MISSION-CRITICAL
INTERCONNECT SOLUTIONS

Glenair®

CIRCULAR

Connector Backshells and Accessories

Adapters, Strain Reliefs, Protective Covers, and More

2022

ALSO AVAILABLE FROM GLENAIR

- MADE IN USA
- MASSIVE SAME-DAY INVENTORY

Band-Master ATS®

EMI/RFI Shield Termination System

Quick, easy, cost-effective and highly reliable termination of braided metallic shielding or fabric braid to connectors and backshells

Band-Master ATS® is the advanced termination system for interconnect cable shielding. The unique low profile and smooth inside diameter of the one-piece type 304 austenitic stainless steel clamping band virtually eliminates RFI/EMI/EMP leakage paths. The lock maintains constant tension under extreme environmental conditions. Band-Master ATS® bands have passed severe shock, vibration and thermal cycle testing with negligible deterioration of shell conductivity and have been approved and added to the specifications for the world's largest aircraft manufacturers.

- **Precision hand-held tools and termination bands—both from a single supplier**
- **Innovative Slim Standard and Nano bands reduce weight and improve safety (no buckle cuts)**
- **Clamp both small and large diameters easily and reliably**

BAND-MASTER ATS® ADVANCED TERMINATION SYSTEM

Easy-to-use manual tools with built-in calibration counter

High-volume pneumatic tool for bench use

Save time and tool maintenance costs with the Glenair band tool calibration system

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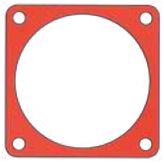

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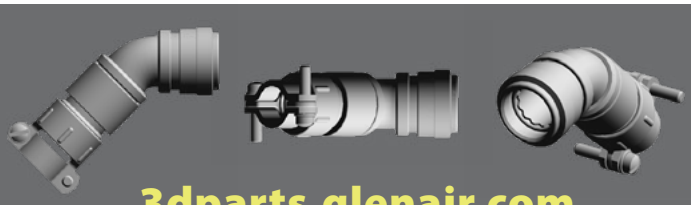

3dparts.glenair.com

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Material and Finish Codes

Glenair Accessory Material and Finish Code Performance

Code	Material	Finish	Specification	Salt Spray Hours	Temperature Range (°C)	Conductive Yes/No	RoHS Yes/No
AB	Marine Bronze	Unplated	AMS4640	1000	-65° to +200	Yes	Yes
C	Aluminum	Anodize, Black	AMS-A-8625	500	-65 to +200	No	Yes
G2	Aluminum	Anodize, Hardcoat, Undyed	AMS-A-8625	500	-65 to +200	No	Yes
M	Aluminum	Electroless Nickel	AMS-C-26074	96	-65 to +200	Yes	Yes
MA	Aluminum	Electroless Nickel, Matte Finish	AMS-C-26074	96	-65 to +200	Yes	Yes
ME	Aluminum	Electroless Nickel, Heavy	AMS-C-26074	96	-65 to +200	Yes	Yes
MT	Aluminum	Nickel-PTFE	AMS2524	500	-65 to +175	Yes	Yes
NF	Aluminum	Cadmium, Olive Drab Chromate	AMS-QQ-P-416	1000	-65 to +175	Yes	No
TZ	Aluminum	Tin-Zinc	AMS2434	1000	-65 to +175	Yes	Yes
XB	Composite	Unplated, Black Color	N/A	2000	-65 to +200	No	Yes
XM	Composite	Electroless Nickel	AMS-C-26074	2000	-65 to +200	Yes	Yes
XMT	Composite	Nickel-PTFE	AMS2524	2000	-65 to +175	Yes	Yes
XO	Composite	Unplated, Amber Color	N/A	2000	-65 to +200	No	Yes
XW	Composite	Cadmium, Olive Drab Chromate	AMS-QQ-P-416	1000	-65 to +175	Yes	No
Z1	Stainless Steel	Passivated	AMS-QQ-P-35	1000	-65 to +200	Yes	Yes
ZL	Stainless Steel	Electrodeposited Nickel	AMS-QQ-N-290	500	-65 to +200	Yes	Yes
ZM	Stainless Steel	Electroless Nickel	AMS-C-26074	1000	-65 to +200	Yes	Yes
ZMT	Stainless Steel	Nickel-PTFE	AMS2524	1000	-65 to +175	Yes	Yes
ZR	Aluminum	Zinc-Nickel, Black Chromate	AMS2417	1000	-65 to +175	Yes	Yes
ZU	Stainless Steel	Cadmium, Black Chromate	AMS-QQ-P-416	1000	-65 to +175	Yes	No

AS85049-to-Glenair Material and Finish Code Cross Reference

AS85049 Code	Glenair Code	Material	Finish
A	C (G)	Aluminum	Anodize, Black (Anodize, Hardcoat for M85049/3, /4, /5)
B	ZU	Stainless Steel	Cadmium, Black Chromate
G	MA	Aluminum	Electroless Nickel, Space Grade
J	XW	Composite	Cadmium, Olive Drab Chromate
L	XX	Composite	Cadmium, Olive Drab Chromate, Selectively Plated
M	XM	Composite	Electroless Nickel
N	M	Aluminum	Electroless Nickel
P	NFP	Aluminum	Cadmium, Olive Drab Chromate, Selectively Plated
S	Z1	Stainless Steel	Passivated
T	XO	Composite	No Plating
V	TZ	Aluminum	Tin-Zinc
VC	XTZ	Composite	Tin-Zinc
VL	XTS	Composite	Tin-Zinc, Selective
VP	TS	Aluminum	Tin-Zinc, Selective
VS	ZTZ	Stainless Steel	Tin-Zinc
W	NF	Aluminum	Cadmium, Olive Drab Chromate
X	MT	Aluminum	Nickel-PTFE
XC	XMT	Composite	Nickel-PTFE
XS	ZMT	Stainless Steel	Nickel-PTFE
Y	AL	Aluminum	Alumiplate
YC	XAL	Composite	Alumiplate
YL	XAP	Composite	Alumiplate, Selectively Plated
YP	ALP	Aluminum	Alumiplate, Selectively Plated
YS	ZAL	Stainless Steel	Alumiplate
Z	ZR	Aluminum	Zinc-Nickel, Black Chromate
ZC	XZR	Composite	Zinc-Nickel, Black Chromate
ZL	XZS	Composite	Zinc-Nickel, Black Chromate, Selectively Plated
ZP	ZS	Aluminum	Zinc-Nickel, Black Chromate, Selectively Plated
ZS	ZZR	Stainless Steel	Zinc-Nickel, Black Chromate

Connector Material and Finish Reference Tables

AS50151

Class	Material	Finish
A	Alum.	Cadmium, Olive Drab
B	Alum.	Cadmium, Olive Drab
C	Alum.	Cadmium, Olive Drab
D	Alum.	Cadmium, Olive Drab
DJ	Alum.	Cadmium, Olive Drab
DJ	SST	Cadmium, Black
DJS	SST	Cadmium, Black
DSN	SST	Electrodeposited Nickel
DT	Alum.	Nickel-PTFE
DV	Alum.	Tin-Zinc
DY	Alum.	Alumiplate
DZ	Alum.	Zinc-Nickel, Black
E	Alum.	Cadmium, Olive Drab
F	Alum.	Cadmium, Olive Drab
H	Steel	Electroless Nickel
HT	Steel	Fused Tin
K (Solder)	Steel	Cadmium, Olive Drab
K (Crimp)	Steel	Electroless Nickel
KT	Steel	Cadmium, Olive Drab
L	Alum.	Electroless Nickel
P	Alum.	Cadmium, Olive Drab
R	Alum.	Cadmium, Olive Drab
U	Alum.	Electroless Nickel
W	Alum.	Cadmium, Olive Drab
WT	Alum.	Nickel-PTFE
WY	Alum.	Alumiplate
WZ	Alum.	Zinc-Nickel, Black
X	Alum.	Cadmium, Olive Drab

MIL-DTL-26482

Class/ Finish	Material	Finish
A	Alum.	Hardcoat Anodize
H	Steel	Fused Tin
K	Alum.	Zinc-Nickel, Black
L	Alum.	Electroless Nickel
N	Steel	Fused Tin
T	Alum.	Nickel-PTFE
W	Alum.	Cadmium, Olive Drab

MIL-DTL-28840

Class	Material	Finish
A	Alum.	Cadmium, Olive Drab
B	316 SST	Cadmium, Black
C	Alum.	Cadmium, Olive Drab
E	316 SST	Cadmium, Black
F	Alum.	Alumiplate
G	Alum.	Alumiplate
L	Alum.	Tin-Zinc
M	Alum.	Tin-Zinc
S	Alum.	Zinc-Nickel, Black
U	Alum.	Zinc-Nickel, Black

MIL-DTL-38999

Class	Material	Finish
A	Alum.	Cadmium, Clear Chromate
B	Alum.	Cadmium, Olive Drab
C	Alum.	Hardcoat Anodize
D	Steel	Fused Tin
E	SST	Passivated
F	Alum.	Electroless Nickel
G	Alum.	Electroless Nickel
H	SST	Passivated
J	Composite	Cadmium, Olive Drab
K	SST	Passivated
L	SST	Electrodeposited Nickel
M	Composite	Nickel
N	SST	Electrodeposited Nickel
R	Alum.	Electroless Nickel
S	SST	Electrodeposited Nickel
T	Alum.	Nickel-PTFE
U	Alum.	Cadmium, Clear Chromate
W	Alum.	Cadmium, Olive Drab
Y	SST	Passivated
Z	Alum.	Zinc-Nickel, Black

MIL-DTL-83723

Class	Material	Finish
A	Alum.	Hardcoat Anodize
G	SST	Passivated
H	Steel	Tin
J	Steel	Tin
K	SST	Passivated
L	SST	Electrodeposited Nickel
M	Alum.	Alumiplate
N	SST	Electrodeposited Nickel
P	SST	Passivated
R	Alum.	Electroless Nickel
S	SST	Passivated
T	Alum.	Nickel-PTFE
W	Alum.	Cadmium, Olive Drab
Y	SST	Passivated
Z	Alum.	Zinc-Nickel, Black

EN 2997

Class	Material	Finish
K	SST	Passivated
KE	SST	Passivated
KV	SST	Passivated
R	Alum.	Electroless Nickel
RS	Alum.	Electroless Nickel
S	SST	Passivated
SE	SST	Passivated
SV	SST	Passivated
W	Alum.	Cadmium, Olive Drab
WS	Alum.	Cadmium, Olive Drab
Y	SST	Passivated
YE	SST	Passivated

AS81703

Class	Material	Finish
E	Alum.	Electroless Nickel
H	Steel	Tin
L	Alum.	Electroless Nickel

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Military Connector Part Number Cross-Reference

Military Connector Part Number Cross-Reference

Military Part Number	Description	Military Specification	Series	Adapter Code	Note
D38999/20	Receptacle, Wall Mount	MIL-DTL-38999	III	H	
D38999/21	Receptacle, Hermetic	MIL-DTL-38999	III	-	Connector does not have adapter threads
D38999/23	Receptacle, Hermetic, Jam Nut	MIL-DTL-38999	III	-	Connector does not have adapter threads
D38999/24	Receptacle, Jam Nut	MIL-DTL-38999	III	H	
D38999/25	Receptacle, Hermetic, Solder Mount	MIL-DTL-38999	III	-	Connector does not have adapter threads
D38999/26	Plug	MIL-DTL-38999	III	H	
D38999/27	Receptacle, Hermetic, Weld Mount	MIL-DTL-38999	III	-	Connector does not have adapter threads
D38999/29	Plug, Lanyard Release	MIL-DTL-38999	III	H	Add Mod Code -701 to adapter part number
D38999/30	Plug, Lanyard Release	MIL-DTL-38999	III	H	Add Mod Code -701 to adapter part number
D38999/31	Plug, Lanyard Release	MIL-DTL-38999	III	H	Add Mod Code -701 to adapter part number
D38999/40	Receptacle, Wall Mount	MIL-DTL-38999	IV	H	
D38999/42	Receptacle, Box Mount	MIL-DTL-38999	IV	H	
D38999/44	Receptacle, Jam Nut	MIL-DTL-38999	IV	H	Add Mod Code -715 to adapter part number
D38999/46	Plug	MIL-DTL-38999	IV	H	
D38999/47	Plug	MIL-DTL-38999	IV	H	
M28840/10	Receptacle, Wall Mount	MIL-DTL-28840		G	
M28840/11	Receptacle, Cable Connecting	MIL-DTL-28840		G	
M28840/12	Receptacle, Box Mount	MIL-DTL-28840		-	Connector does not have adapter threads
M28840/14	Receptacle, Jam Nut	MIL-DTL-28840		G	
M28840/16	Plug	MIL-DTL-28840		G	
M81511		AS81511		J	Contact Glenair
M83723/1	Superseded by MS3470	MIL-DTL-83723	I	A	
M83723/10	Superseded by MS3442	MIL-DTL-83723	I	-	Connector does not have adapter threads
M83723/11	Superseded by MS3443	MIL-DTL-83723	I	-	Connector does not have adapter threads
M83723/12	Superseded by MS3443	MIL-DTL-83723	I	-	Connector does not have adapter threads
M83723/13	Superseded by MS3476	MIL-DTL-83723	I	A	
M83723/14	Superseded by MS3476	MIL-DTL-83723	I	A	
M83723/17	Superseded by MS3451	MIL-DTL-83723	II	K	Contact Glenair
M83723/18	Superseded by MS3451	MIL-DTL-83723	II	K	Contact Glenair
M83723/19	Superseded by MS3450	MIL-DTL-83723	II	K	Contact Glenair
M83723/2	Superseded by MS3470	MIL-DTL-83723	I	A	
M83723/20	Superseded by MS3450	MIL-DTL-83723	II	K	Contact Glenair
M83723/21	Superseded by MS3452	MIL-DTL-83723	II	-	Connector does not have adapter threads
M83723/22	Superseded by MS3452	MIL-DTL-83723	II	-	Connector does not have adapter threads
M83723/23	Superseded by MS3456	MIL-DTL-83723	II	K	Contact Glenair
M83723/24	Superseded by MS3456	MIL-DTL-83723	II	K	Contact Glenair
M83723/25	Superseded by MS3142	MIL-DTL-83723	II	-	Connector does not have adapter threads
M83723/26	Superseded by MS3143	MIL-DTL-83723	II	-	Connector does not have adapter threads
M83723/3	Superseded by MS3472	MIL-DTL-83723	I	A	
M83723/36	Cancelled, no replacement	MIL-DTL-83723	I	A	
M83723/37	Plug, Pre-Wired	MIL-DTL-83723	I	A	
M83723/38	Cancelled, no replacement	MIL-DTL-83723	I	A	
M83723/39	Cancelled, no replacement	MIL-DTL-83723	I	A	
M83723/4	Superseded by MS3472	MIL-DTL-83723	I	A	
M83723/40	Cancelled, no replacement	MIL-DTL-83723	I	A	
M83723/41	Cancelled, no replacement	MIL-DTL-83723	I	A	
M83723/42	Superseded by MS3475	MIL-DTL-83723	I	A	
M83723/43	Superseded by MS3475	MIL-DTL-83723	I	A	

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Military Connector Part Number Cross-Reference

Military Connector Part Number Cross-Reference (Continued)

Military Part Number	Description	Military Specification	Series	Adapter Code	Note
M83723/45	Superseded by MS3115	MIL-DTL-83723	I	-	Connector does not have adapter threads
M83723/48	Cancelled, no replacement	MIL-DTL-83723	I	A	
M83723/49	Cancelled, no replacement	MIL-DTL-83723	I	A	
M83723/5	Superseded by MS3474	MIL-DTL-83723	I	A	
M83723/52	Superseded by MS3459	MIL-DTL-83723	II	K	Contact Glenair
M83723/53	Superseded by MS3459	MIL-DTL-83723	II	K	Contact Glenair
M83723/6	Superseded by MS3474	MIL-DTL-83723	I	A	
M83723/66	Plug, Push Pull (Pin Contacts)	MIL-DTL-83723	III	A	
M83723/67	Plug, Push Pull (Socket Contacts)	MIL-DTL-83723	III	A	
M83723/68	Plug, Push Pull Lanyard	MIL-DTL-83723	III	A	
M83723/69	Plug, Push Pull, Lanyard	MIL-DTL-83723	III	A	
M83723/7	Superseded by MS3471	MIL-DTL-83723	I	A	
M83723/71	Receptacle, Bayonet, Flange Mount	MIL-DTL-83723	III	A	
M83723/72	Receptacle, Bayonet, Flange Mount	MIL-DTL-83723	III	A	
M83723/73	Receptacle, Bayonet, Jam Nut	MIL-DTL-83723	III	A	
M83723/74	Receptacle, Bayonet, Jam Nut	MIL-DTL-83723	III	A	
M83723/75	Plug, Bayonet (Socket Contact)	MIL-DTL-83723	III	A	
M83723/76	Plug, Bayonet (Pin Contact)	MIL-DTL-83723	III	A	
M83723/77	Plug, Bayonet, RFI (Socket Contact)	MIL-DTL-83723	III	A	
M83723/78	Plug, Bayonet, RFI (Pin Contact)	MIL-DTL-83723	III	A	
M83723/79	Recep., Bayonet Flange Mt., Hermetic	MIL-DTL-83723	III	-	Connector does not have adapter threads
M83723/8	Superseded by MS3471	MIL-DTL-83723	I	A	
M83723/80	Recep., Bayonet Solder Mt., Hermetic	MIL-DTL-83723	III	-	Connector does not have adapter threads
M83723/81	Receptacle, Bayonet, J/N, Hermetic	MIL-DTL-83723	III	-	Connector does not have adapter threads
M83723/82	Receptacle, Flange Mount	MIL-DTL-83723	III	A	
M83723/83	Receptacle, Flange Mount	MIL-DTL-83723	III	A	
M83723/84	Receptacle, Jam Nut	MIL-DTL-83723	III	A	
M83723/85	Receptacle, Jam Nut	MIL-DTL-83723	III	A	
M83723/86	Plug, Threaded	MIL-DTL-83723	III	A	
M83723/87	Plug, Threaded	MIL-DTL-83723	III	A	
M83723/88	Receptacle, Flange Mount	MIL-DTL-83723	III	-	Connector does not have adapter threads
M83723/89	Receptacle, Jam Nut	MIL-DTL-83723	III	-	Connector does not have adapter threads
M83723/9	Superseded by MS3440	MIL-DTL-83723	I	-	Connector does not have adapter threads
M83723/90	Receptacle, Jam Nut	MIL-DTL-83723	III	-	Connector does not have adapter threads
M83723/91	Plug, Threaded	MIL-DTL-83723	III	A	
M83723/92	Plug, Threaded	MIL-DTL-83723	III	A	
M83723/93	Recept., Bayonet, Solder Mt., Hermetic	MIL-DTL-83723	III	-	Connector does not have adapter threads
M83723/94	Recept., Bayonet, Jam Nut, Hermetic	MIL-DTL-83723	III	-	Connector does not have adapter threads
M83723/95	Plug, Threaded	MIL-DTL-83723	III	A	
M83723/96	Plug, Threaded	MIL-DTL-83723	III	A	
M83723/97	Plug, Threaded	MIL-DTL-83723	III	A	
M83723/98	Plug, Threaded	MIL-DTL-83723	III	A	
MS17343	Receptacle, Wall Mount	MIL-DTL-22992		C	Contact Glenair for MIL-DTL-22992 accessories
MS17344	Plug	MIL-DTL-22992		C	Contact Glenair for MIL-DTL-22992 accessories
MS17345	Plug	MIL-DTL-22992		C	Contact Glenair for MIL-DTL-22992 accessories
MS17346	Receptacle, Box Mount	MIL-DTL-22992		C	Contact Glenair for MIL-DTL-22992 accessories
MS17347	Receptacle, Jam Nut	MIL-DTL-22992		C	Contact Glenair for MIL-DTL-22992 accessories
MS17348	Receptacle, Jam Nut	MIL-DTL-22992		-	Contact Glenair for MIL-DTL-22992 accessories

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Military Connector Part Number Cross-Reference

Military Connector Part Number Cross-Reference (Continued)

Military Part Number	Description	Military Specification	Series	Adapter Code	Note
MS18062	Dummy Receptacle	MIL-DTL-22992		-	Contact Glenair for MIL-DTL-22992 accessories
MS20026	Receptacle, Wall Mount	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS20027	Receptacle, Line	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS20028	Plug	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS20029	Receptacle, Jam Nut	MIL-DTL-27599		-	Connector does not have adapter threads
MS20030	Receptacle, Box Mount, Hermetic	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS20031	Receptacle, Jam Nut, Hermetic	MIL-DTL-27599		-	Connector does not have adapter threads
MS20032	Receptacle, Hermetic, Solder Mount	MIL-DTL-27599		-	Connector does not have adapter threads
MS20034	Receptacle, Wall Mount	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS20035	Receptacle, Box Mount	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS24264	Receptacle, Flange Mount	MIL-DTL-26500		E	
MS24265	Receptacle, Jam Nut	MIL-DTL-26500		E	
MS24266	Plug	MIL-DTL-26500		E	
MS25183	Plug, Potting Seal	AS50151	I	-	Connector does not have adapter threads
MS27034	Receptacle, Hermetic, Solder Mount	MIL-DTL-26500		-	Connector does not have adapter threads
MS27334	Receptacle, Wall Mount	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS27335	Receptacle, Box Mount	MIL-DTL-27599		-	Connector does not have adapter threads
MS27336	Plug	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS27337	Receptacle, Jam Nut	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS27338	Receptacle, Wall Mount	MIL-DTL-27599			Contact Glenair for MIL-DTL-27599 accessories
MS27339	Receptacle, Box Mount, Hermetic	MIL-DTL-27599		-	Connector does not have adapter threads
MS27340	Receptacle, Jam Nut, Hermetic	MIL-DTL-27599		-	Connector does not have adapter threads
MS27341	Receptacle, Hermetic, Solder Mount	MIL-DTL-27599		-	Connector does not have adapter threads
MS27466	Receptacle, Wall Mount	MIL-DTL-38999	I	F	
MS27467	Plug	MIL-DTL-38999	I	F	
MS27468	Receptacle, Jam Nut	MIL-DTL-38999	I	F	
MS27469	Receptacle, Wall Mount	MIL-DTL-38999	I	-	Connector does not have adapter threads
MS27470	Receptacle, Jam Nut, Hermetic	MIL-DTL-38999	I	-	Connector does not have adapter threads
MS27471	Receptacle, Hermetic, Solder Mount	MIL-DTL-38999	I	-	Connector does not have adapter threads
MS27472	Receptacle, Wall Mount	MIL-DTL-38999	II	F	
MS27473	Plug	MIL-DTL-38999	II	F	
MS27474	Receptacle, Jam Nut	MIL-DTL-38999	II	F	
MS27475	Receptacle, Wall Mount	MIL-DTL-38999	II	F	
MS27476	Receptacle, Box Mount, Hermetic	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS27477	Receptacle, Jam Nut, Hermetic	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS27478	Receptacle, Hermetic, Solder Mount	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS27479	Receptacle, Wall Mount	MIL-DTL-38999	II	F	
MS27480	Plug	MIL-DTL-38999	II	F	
MS27481	Cancelled, replaced by MS27481	MIL-DTL-38999	II	F	
MS27482	Cancelled, replaced by MS27475	MIL-DTL-38999	II	F	
MS27483	Cancelled, replaced by MS27477	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS27484	Plug	MIL-DTL-38999	II	F	
MS27496	Receptacle, Box Mount	MIL-DTL-38999	I	-	Connector does not have adapter threads
MS27497	Receptacle, Wall Mount	MIL-DTL-38999	II	F	
MS27498	Plug, 90°	MIL-DTL-38999	I	F	
MS27499	Receptacle, Box Mount	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS27500	Plug, 90°	MIL-DTL-38999	II	F	
MS27503	Cancelled, replaced by MS27478	MIL-DTL-38999	II	-	Connector does not have adapter threads

Military Connector Part Number Cross-Reference

Military Connector Part Number Cross-Reference (Continued)

Military Part Number	Description	Military Specification	Series	Adapter Code	Note
MS27504	Cancelled, replaced by MS27499	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS27505	Receptacle, Box Mount	MIL-DTL-38999	I	-	Connector does not have adapter threads
MS27508	Receptacle, Box Mount	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS27513	Receptacle, Box Mount	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS27515	Receptacle, Wall Mount	MIL-DTL-38999	I	F	
MS27613	Receptacle, Wall Mount	MIL-DTL-26500		E	Add Mod Code -710 to adapter part number
MS27614	Receptacle, Jam Nut	MIL-DTL-26500		E	Add Mod Code -710 to adapter part number
MS27615	Plug	MIL-DTL-26500		E	Add Mod Code -710 to adapter part number
MS27652	Receptacle, Wall Mount	MIL-DTL-38999	I	F	
MS27653	Plug	MIL-DTL-38999	I	F	
MS27654	Receptacle, Wall Mount	MIL-DTL-38999	I	F	
MS27656	Receptacle, Wall Mount	MIL-DTL-38999	I	F	
MS27661	Plug, Lanyard Release	MIL-DTL-38999	I	F	Add Mod Code -729 to adapter part number
MS27662	Receptacle, Thru-Bulkhead	MIL-DTL-38999	I	-	Connector does not have adapter threads
MS27664	Receptacle, Wall Mount	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS27665	Plug, Rack & Panel Mtg	MIL-DTL-38999	I	F	
MS27667	Receptacle, Thru-Bulkhead	MIL-DTL-38999	II	-	Connector does not have adapter threads
MS3100	Receptacle, Wall Mount	AS50151		B	
MS3101	Plug	AS50151		B	
MS3102	Receptacle, Box Mount	AS50151	I	-	Connector does not have adapter threads
MS3103	Receptacle, Potting (Solder)	AS50151	I	-	Connector does not have adapter threads
MS3105	Dummy Receptacle	AS50151	I	-	Connector does not have adapter threads
MS3106	Plug	AS50151		B	
MS3107	Plug, Quick Disconnect (Solder)	AS50151		B	
MS3108	Plug, 90°	AS50151		B	
MS3110	Receptacle, Wall Mount	MIL-DTL-26482	1	D	Add Mod Code -729 to adapter part number
MS3111	Plug	MIL-DTL-26482	1	D	
MS3112	Receptacle, Box Mount	MIL-DTL-26482	1	-	Connector does not have adapter threads
MS3113	Receptacle, Solder Flange	MIL-DTL-26482	1	-	Connector does not have adapter threads
MS3114	Receptacle, Jam Nut	MIL-DTL-26482	1	D	Add Mod Code -717 to adapter part number
MS3115	Dummy Receptacle	MIL-DTL-26482		-	Connector does not have adapter threads
MS3116	Plug	MIL-DTL-26482	1	D	
MS3119	Receptacle, Thru-Bulkhead	MIL-DTL-26482	1	-	Connector does not have adapter threads
MS3120	Receptacle, Wall Mount	MIL-DTL-26482	1	D	
MS3121	Plug	MIL-DTL-26482	1	D	
MS3122	Receptacle, Box Mount	MIL-DTL-26482	1	-	Connector does not have adapter threads
MS3124	Receptacle, Jam Nut	MIL-DTL-26482	1	D	Add Mod Code -717 to adapter part number
MS3126	Plug	MIL-DTL-26482	1	D	
MS3127	Receptacle, Box Mount	MIL-DTL-26482	1	-	Connector does not have adapter threads
MS3128	Receptacle, Wall Mount	MIL-DTL-26482	1	D	
MS3130	Receptacle, Push Pull, Wide Flange	AS81703	1		Contact Glenair
MS3132	Receptacle, Push Pull, Box Mount	AS81703	1	X	Add Mod Code -706 to part number
MS3134	Receptacle, Push Pull, Jam Nut	AS81703	1	X	Add Mod Code -706 to part number
MS3135	Dummy Receptacle	AS81703	1	-	Connector does not have adapter threads
MS3137	Plug, Push Pull	AS81703	1	X	Add Mod Code -706 to part number
MS3138	Plug, Lanyard, Push Pull	AS81703	1	X	Add Mod Code -706 to part number
MS3139	Receptacle, Thru-Bulkhead	AS81703	1	-	Connector does not have adapter threads
MS3140	Receptacle, Push Pull, Wall Mount	AS81703	2	X	Add Mod Code -706B to part number

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Military Connector Part Number Cross-Reference

Military Connector Part Number Cross-Reference (Continued)

Military Part Number	Description	Military Specification	Series	Adapter Code	Note
MS3142	Receptacle, Hermetic, Box Mount	AS50151	I	-	Connector does not have adapter threads
MS3143	Receptacle, Hermetic, Solder Mount	AS50151	I	-	Connector does not have adapter threads
MS3144	Receptacle, Push Pull, Jam Nut	AS81703	2	X	Add Mod Code -706B to part number
MS3145	Recept., Hermetic, Push Pull	AS81703	3	-	Connector does not have adapter threads
MS3146	Receptacle, Push Pull, Hermetic	AS81703	3	-	Connector does not have adapter threads
MS3147	Plug, Push Pull (Crimp)	AS81703	2	X	Add Mod Code -706B to part number
MS3148	Plug, Push Pull, Lanyard (Crimp)	AS81703	2	X	Add Mod Code -706B to part number
MS3149	Receptacle, Push Pull, Hermetic	AS81703	3	-	Connector does not have adapter threads
MS3400	Receptacle, Wall Mount	AS50151	II	A	
MS3401	Receptacle, Cable Connecting	AS50151	II	A	
MS3402	Receptacle, Box Mount	AS50151	II	-	Connector does not have adapter threads
MS3404	Receptacle, Jam Nut	AS50151	II	A	
MS3406	Plug	AS50151	II	A	
MS3408	Plug, 90°	AS50151	II	A	
MS3409	Plug, 45°	AS50151	II	A	
MS3412	Receptacle, Wall Mount	AS50151	II	A	
MS3424	Receptacle, Push Pull, Wall Mount	AS81703	3	A*	
MS3440	Receptacle, Narrow Flange	MIL-DTL-26482	2	-	Connector does not have adapter threads
MS3442	Receptacle, Wide Flange Mount	MIL-DTL-26482	2	-	Connector does not have adapter threads
MS3443	Receptacle, Solder Flange	MIL-DTL-26482	2	-	Connector does not have adapter threads
MS3445	Plug, Push Pull, Rack & Panel Mtg	AS81703	2		Contact Glenair
MS3446	Plug, Rack & Panel	AS81703	3	A*	
MS3449	Receptacle, Jam Nut	MIL-DTL-26482	2	-	Connector does not have adapter threads
MS3450	Receptacle, Wall Mount	AS50151	III	A	
MS3451	Receptacle, Cable Connecting	AS50151	III	A	
MS3452	Receptacle, Box Mount	AS50151	III	-	Connector does not have adapter threads
MS3454	Receptacle, Jam Nut	AS50151	III	A	
MS3456	Plug	AS50151	III	A	
MS3459	Plug, Self Locking	AS50151	III	A	
MS3463	Receptacle, Push Pull	AS81703	3	-	Connector does not have adapter threads
MS3464	Receptacle, Push Pull, Jam Nut	AS81703	3	A*	
MS3466	Receptacle, Push Pull, Hermetic	AS81703	3	-	Connector does not have adapter threads
MS3467	Plug, Push Pull	AS81703	3	A*	
MS3468	Plug, Push Pull, Lanyard	AS81703	3	A*	
MS3469	Recept., Push Pull, Hermetic, Jam Nut	AS81703	3	-	Connector does not have adapter threads
MS3470	Receptacle, Narrow Flange	MIL-DTL-26482	2	A	
MS3471	Receptacle, Cable Connecting	MIL-DTL-26482	2	A	
MS3472	Receptacle, Wide Flange Mount	MIL-DTL-26482	2	A	
MS3473	Receptacle, Hermetic, Solder Mount	MIL-DTL-26482	2	-	Connector does not have adapter threads
MS3474	Receptacle, Jam Nut	MIL-DTL-26482	2	A	
MS3475	Plug, RFI Shielded	MIL-DTL-26482	2	A	
MS3476	Plug	MIL-DTL-26482	2	A	
MS3477	Receptacle Hermetic, Box Mtg	MIL-DTL-26482	2	-	Connector does not have adapter threads
MS3479	Recept., Hermetic, Jam Nut	MIL-DTL-26482	2	-	Connector does not have adapter threads
MS90555	Receptacle, Wall Mount	MIL-DTL-22992			Contact Glenair for MIL-DTL-22992 accessories
MS90556	Plug	MIL-DTL-22992			Contact Glenair for MIL-DTL-22992 accessories
MS90557	Plug	MIL-DTL-22992			Contact Glenair for MIL-DTL-22992 accessories
MS90558	Receptacle, Wall Mount	MIL-DTL-22992			Contact Glenair for MIL-DTL-22992 accessories

*See Adapter Code A Shell Size Table on Page Intro-14."

Connector Specification Cross-Reference

Connector Specification Cross-Reference

Connector Specification	Series	Adapter Code
40M39569		A
AS50151	MS3100	B
AS50151	MS3400	A
AS50151	MS3450	A
AS81511		J
AS81703	Series 3	See Note 1
AS95234		A
BACC45		E
BACC63BN		E
BACC63BP		E
BACC63BR		A
BACC63BT		A
BACC63BV		E
BACC63CB		A
BACC63CC		A
BACC63CD		B
BACC63CE		B
BACC63CM		A
BACC63CN		A
BACC63CT		H
BACC63CU		H
BACC63DB		H
BACC63DC		H
BACC63DU		M
BACC63DV		M
BACC63EK		H
BACC63EP		Contact Glenair
BACC63ER		Contact Glenair
BACC63ET		Contact Glenair
BS9522 F0012	PATT 615	L
BS9522 F0017	PATT 105	S
BS9522 F0020	PATT 608	S
BS9522 F0029	PATT 616	F
BS9522 N0001	PATT 603	S
BS9522 N0003	PATT 614	F
BS9540 F0001	PATT 602	A
CECC75 201-001		A
CECC75 201-002		H
EN2997		A
EN3645		H
EN3646		A
ESC10		A
ESC11		A
JN1003		L
LN 29504		A
LN29729		L
MIL-DTL-22992	Class C, J, R	C
MIL-DTL-26482	Series I	D
MIL-DTL-26482	Series II	A
MIL-DTL-26500		E
MIL-DTL-28840		G
MIL-DTL-38999	Series I, II	F
MIL-DTL-38999	Series III, IV	H
MIL-DTL-5015	Series I	B
MIL-DTL-5015	Series II	A
MIL-DTL-5015	Series III	A
MIL-DTL-83723	Series II	K
MIL-DTL-83723	Series I,III	A
NAS1599		A
NFC93422	HE308	F
NFC93422	HE302	A
NFC93422	HE306	L
NFC93423	HE309	F
PAN6432-1		A
PAN6432-2		A
PAN6433-1		F
PAN6433-2		L
VG95234		R
VG95238		A
VG95328		D
VG95329		J
VG96912		L

1: AS81703 Series 3 connectors accept Adapter Code A accessories. AS81703 shell sizes are non-standard and must be cross-referenced to the correct Adapter Code A size code. See Adapter Code A Shell Size Table on page Intro-14

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Manufacturer's Prefix Cross-Reference

Manufacturer's Prefix Cross-Reference

Manufacturers' Prefix	Adapter Code	Manufacturer	Specification
118	L	Amphenol Ltd.	LN29729
162GB	S	Amphenol Ltd.	PATT 603
21	H	Amphenol Aerospace	MIL-DTL-38999 Series III
22	W	Glenair	GeoMarine
231	F	Glenair	MIL-DTL-38999 Series I
232	F	Glenair	MIL-DTL-38999 Series II
233	H	Glenair	MIL-DTL-38999 Series III
234	H	Glenair	MIL-DTL-38999 Series IV
2M	M	Amphenol Aerospace	
348	J	Amphenol Ltd.	VG95239
418-2	F	Amphenol Ltd.	PATT 614
418-5	L	Amphenol Ltd.	PATT 615
418-1	F	Amphenol Ltd.	PATT 616
451	D	Amphenol-Socapex	MIL-DTL-26482 Series I
48	E	Amphenol Aerospace	MIL-DTL-26500
602GB	A	Amphenol Ltd.	MIL-DTL-26482 Series II
62GB	S	Amphenol Ltd.	PATT 105
800	M	Glenair	
801	M	Glenair	
802	Contact Glenair	Glenair	Aquamouse
803	M	Glenair	
804	M	Glenair	
805	M	Glenair	
806	V	Glenair	
851	D	Souriau	MIL-DTL-26482 Series I
852	A	Souriau	MIL-DTL-26482 Series II
853	A	Souriau	EN2997
8D	H	Souriau	MIL-DTL-38999 Series III
8DA	Contact Glenair	Souriau	
8LT	F	Souriau	MIL-DTL-38999 Series I
8ST	L	Souriau	VG96912
8T	F	Souriau	MIL-DTL-38999 Series II
90	G	Glenair	MIL-DTL-28840
944	A	Amphenol Aerospace	AS50151
951	D	TE Connectivity	MIL-DTL-26482 Series I
97	B	Amphenol Industrial	AS50151
A815	J	TE Connectivity	AS81511
AC	B	Cinch	AS50151
ACA-B	Contact Glenair	Amphenol Industrial	VG95234
ACT	H	TE Connectivity	MIL-DTL-38999 Series III
AE15	F	Aero-Electric	MIL-DTL-38999 Series I
AE16	F	Aero-Electric	MIL-DTL-38999 Series I
AE27	F	Aero-Electric	MIL-DTL-38999 Series II
AE28	F	Aero-Electric	MIL-DTL-38999 Series II
AE29	F	Aero-Electric	MIL-DTL-38999 Series II
AE32	H	Aero-Electric	MIL-DTL-38999 Series III
AE55	A	Aero-Electric	AS50151

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Manufacturer's Prefix Cross-Reference

Manufacturer's Prefix Cross-Reference (Continued)

Manufacturers' Prefix	Adapter Code	Manufacturer	Specification
AE66	E	Aero-Electric	MIL-DTL-26500
AE77	A	Aero-Electric	MIL-DTL-26482 Series II
AE83	A	Aero-Electric Connector, Inc.	MIL-DTL-83723 Series III
AFD	A	TE Connectivity	MIL-DTL-26482 Series II
AS	A	Corsair	AS50151 Series II
B815	J	TE Connectivity	AS81511
BL	H	Cooper Interconnect (G&H)	MIL-DTL-38999 Series IV
BT	A	Amphenol Aerospace	MIL-DTL-83723 Series III
BY	A	Amphenol Aerospace	MIL-DTL-83723 Series III
C48	E	Cinch	MIL-DTL-26500
CA-B	Contact Glenair	ITT Cannon	VG95234
CA-E/ R	B	ITT Cannon	AS50151
CGK	L	ITT Cannon	VG96912
CIR	Contact Glenair	ITT Cannon Veam	VG95234
CJ08	F	Corsair	MIL-DTL-38999 Series I
CJ09	A	Corsair	MIL-DTL-26482 Series II
CJ10	A	Corsair	AS50151 Series III
CJ13	F	Corsair	MIL-DTL-38999 Series II
CJ14	H	Corsair	MIL-DTL-38999 Series III
CTV	H	Amphenol Aerospace	MIL-DTL-38999 Series III
CV	A	ITT Cannon	AS50151
CWLD	C	ITT Cannon	MIL-DTL-22992
DBA	A	TE Connectivity	MIL-DTL-83723 Series III
DBAS	A	TE Connectivity	AS81703 Series 3
DIV	H	TE Connectivity	MIL-DTL-38999 Series IV
DJT	F	TE Connectivity	MIL-DTL-38999 Series I
DL	A	TE Connectivity	MIL-DTL-83723 Series III
DTS	H	TE Connectivity	MIL-DTL-38999 Series III
ETV	H	Amphenol Aerospace	MIL-DTL-38999 Series III
FDBA	A	TE Connectivity	EN3646
G3	H	Eaton	MIL-DTL-38999 Series III
GT	Contact Glenair	Amphenol Industrial	
GT	G	Aptiv	MIL-DTL-28840
HDJ	L	TE Connectivity	JN1003
HV	H	Amphenol Aerospace	MIL-DTL-38999 Series III
JT	F	Amphenol Aerospace	MIL-DTL-38999 Series II
JVS	H	Souriau	CECC 752 002
IPT	D	Glenair	MIL-DTL-26482 Series I
ITS	R	Glenair	VG95234
KJ	F	ITT Cannon	MIL-DTL-38999 Series II
KJA	H	ITT Cannon	MIL-DTL-38999 Series III
KJB	H	ITT Cannon	MIL-DTL-38999 Series III
KJL	F	ITT Cannon	MIL-DTL-38999 Series I
KPSE	D	ITT Cannon	MIL-DTL-26482 Series I
KPT	D	ITT Cannon	MIL-DTL-26482 Series I
KPTC	D	ITT Cannon	MIL-DTL-26482 Series I
LJT	F	Amphenol Aerospace	MIL-DTL-38999 Series I

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Manufacturer's Prefix Cross-Reference

Manufacturer's Prefix Cross-Reference (Continued)

Manufacturers' Prefix	Adapter Code	Manufacturer	Specification
MB1	A	Amphenol Aerospace	MIL-DTL-26482 Series II
MB3	A	Amphenol Aerospace	MIL-DTL-83723 Series III
MD	M	Cinch	
MKJ	M	ITT Cannon	
MT3	A	Amphenol Aerospace	MIL-DTL-83723 Series III
MTV	H	Amphenol Aerospace	MIL-DTL-38999 Series III
PT	D	Amphenol Industrial	MIL-DTL-26482 Series I
PTS	A	Amphenol Aerospace	MIL-DTL-26482 Series II
PV	A	ITT Cannon	MIL-DTL-26482 Series II
PW	D	Cinch	MIL-DTL-26482 Series I
QWLD	C	Amphenol Aerospace	MIL-DTL-22992
RR	A	TE Connectivity	MIL-DTL-26482 Series II
SC	B	Amphenol Aerospace	AS50151 MS3100
SC1	F	Spacecraft Components	MIL-DTL-38999 Series I
SC2	F	Spacecraft Components	MIL-DTL-38999 Series II
SC3	H	Spacecraft Components	MIL-DTL-38999 Series IV
SC5	A	Spacecraft Components	AS50151 Series II, III
SC7	A	Spacecraft Components	MIL-DTL-26482 Series II
SCP	Contact Glenair	Spacecraft Components	
SJT	L	Amphenol Aerospace	VG96912
SM	B	Amphenol Aerospace	AS50151 MS3100
TV	H	Amphenol Aerospace	MIL-DTL-38999 Series III
TVS	H	Amphenol Aerospace	MIL-DTL-38999 Series III
VPT	D	ITT Cannon Veam	MIL-DTL-26482 Series I
ZZW	E	Amphenol Aerospace	MIL-DTL-26500
ZZY	E	Amphenol Aerospace	MIL-DTL-26500

Adapter Code Reference

Adapter Codes

A

Specifications
40M39569
AS50151 MS3400
AS50152 MS3450
AS81703 Series 3
AS95234
BACC63BR
BACC63BT
BACC63CB
BACC63CC
BACC63CM
BACC63CN
BS9540 F0001 PATT 602
CECC75 201-001
EN2997
EN3646
ESC10
ESC11
LN 29504
MIL-DTL-26482 Series II
MIL-DTL-5015 MS3400
MIL-DTL-5015 MS3450
MIL-DTL-83723 Series III
NAS1599
NFC93422 HE302
PAN6432-1
PAN6432-2
VG95234
VG95238

Manufacturer's Prefix	
602GB	Amphenol Ltd.
852	Souriau
853	Souriau
944	Amphenol Aerospace
AE55	Aero-Electric Connector
AE77	Aero-Electric Connector
AE83	Aero-Electric Connector
AFD	TE Connectivity
AS	Corsair
BT	Amphenol Aerospace
BY	Amphenol Aerospace
CJ09	Corsair
CJ10	Corsair
CV	ITT Cannon
DBA	TE Connectivity
DBAS	TE Connectivity
DL	TE Connectivity
FDBA	TE Connectivity
MB1	Amphenol Aerospace
MB3	Amphenol Aerospace
MT3	Amphenol Aerospace
PTS	Amphenol Aerospace
PV	ITT Cannon
RR	TE Connectivity
SC5	Spacecraft Components

Shell Size, Thread Size

Size Code	Shell Size: AS50151 M26482/II M83823/III	Shell Size: AS81703 Series 3	Adapter Thread Size
08	8	—	0.500-20 UNF
03(1)	—	3(1)	0.5625-24 UNEF
10	10, 10S, 10SL	—	0.625-24 UNEF
12	12, 12S	7	0.750-20 UNEF
14	14, 14S	12	0.875-20 UNEF
16	16, 16S	19	1.000-20 UNEF
18	18	27	1.0625-18 UNEF
20	20	37	1.1875-18 UNEF
22	22	—	1.3125-18 UNEF
24	24	—	1.4375-18 UNEF
61(1)	—	61(1)	1.500-18 UNEF
28	28	—	1.750-18 UNS
32	32	—	2.000-18 UNS
36	36	—	2.250-16 UN
40	40	—	2.500-16 UN
44	44	—	2.750-16 UN
48	48	—	3.000-16 UN

(1) Contact Glenair for shell sizes 3 and 61.

B

Specifications
AS50151 MS3100
BACC63CD
BACC63CE
MIL-DTL-5015 Series I (MS3100)

Manufacturer's Prefix	
97	Amphenol Industrial
AC	Cinch
CA-E/ R	ITT Cannon
SC	Amphenol Aerospace
SM	Amphenol Aerospace

Shell Size, Thread Size

Size Code	Shell Size	Thread Size: Main Backshell	Thread Size: Front Adapter(s)
01	8S	.4375-28 UNEF	0.3750-32 UNEF 0.4375-27 UNS
05	10S	0.5000-28 UNEF	0.5625-24 UNEF
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF
14	14, 14S	0.7500-20 UNEF	N/A
15	16, 16S	0.8750-20 UNEF	N/A
16	18	1.0000-20 UNEF	N/A
17	20	1.1250-18 UNEF	1.1250-24 UNS
20	22	1.2500-18 UNEF	N/A
21	24	1.3750-18 UNEF	N/A
22	28	1.6250-18 UNEF	N/A
23	32	1.8750-16 UN	1.90625-18 UNS
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS
31	40	2.3750-16 UN	2.3125-16 UNS
34	44	2.6250-16 UN	N/A
35	48	2.7500-16 UN	.8125-18 UNS

(1) Connector rear threads vary by manufacturer. Extra front adapters are included as required for compatibility with all manufacturers.

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Adapter Code Reference

Adapter Codes (Continued)

Adapter Code	Specifications	Manufacturer's Prefix		Shell Size and Thread Size
C	*Contact Glenair for accessory ordering information*			
	MIL-DTL-22992 Class C, J, R	CWLD QWLD	ITT Cannon Amphenol Aerospace	

Shell Size	Adapter Thread Size
12	0.750-20 UNEF
14	0.875-20 UNEF
16	1.000-20 UNEF
18	1.125-18 UNEF
20	1.250-18 UNEF
22	1.375-18 UNEF
24	1.625-18 UNEF
28	1.875-16 UN
32	2.0625-16 UNS
36	2.3125-16 UNS
40	2.625-16 UN
44	2.875-16 UN
48	3.0625-16 UN

Adapter Code	Specifications	Manufacturer's Prefix	
D	MIL-DTL-26482 Series I VG95328	451 851 951 IPT KPSE KPT KPTC PT PW VPT	Amphenol-Socapex Souriau TE Connectivity Glenair ITT Cannon ITT Cannon ITT Cannon Amphenol Industrial Cinch ITT Cannon Veam

Shell Size	Adapter Thread Size UNEF
08	0.4375-28
10	0.5625-24
12	0.6875-24
14	0.8125-20
16	0.9375-20
18	1.0625-18
20	1.1875-18
22	1.3125-18
24	1.4375-18

Adapter Code	Specifications	Manufacturer's Prefix	
E	BACC45 BACC63BN BACC63BP BACC63BV MIL-DTL-26500	48 AE66 C48 ZZW ZZY	Amphenol Aerospace Aero-Electric Connector Cinch Amphenol Aerospace Amphenol Aerospace

Shell Size	Adapter Thread Size
08	0.4375-28
10	0.5625-24
12	0.7500-24
14	0.8125-20
16	0.9375-20
18	1.0625-18
20	1.1875-18
22	1.3125-18
24	1.4375-18

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Adapter Code Reference

Adapter Codes (Continued)

F

Adapter Code	Specifications	Manufacturer's Prefix
F	BS9522 F0029 PATT 616 BS9522 N0003 PATT 614 MIL-DTL-38999 Series I and II NFC93422 HE308 NFC93423 HE309 PAN6433-1	231 Glenair 232 Glenair 418-2 Amphenol Ltd. 418-1 Amphenol Ltd. 8LT Souriau 8T Souriau AE15 Aero-Electric Connector AE16 Aero-Electric Connector AE27 Aero-Electric Connector AE28 Aero-Electric Connector AE29 Aero-Electric Connector CJ08 Corsair CJ13 Corsair DJT TE Connectivity JT Amphenol Aerospace KJ ITT Cannon KJL ITT Cannon LJT Amphenol Aerospace SC1 Spacecraft Components SC2 Spacecraft Components

Shell Size and Thread Size

Size Code	Shell Size	Adapter Thread Size UNEF
08	8/9	0.4375-28
10	10/11	0.5625-24
12	12/13	0.6875-24
14	14/15	0.8125-20
16	16/17	0.9375-20
18	18/19	1.0625-18
20	20/21	1.1875-18
22	22/23	1.3125-18
24	24/25	1.4375-18

G

Adapter Code	Specifications	Manufacturer's Prefix
G	MIL-DTL-28840	90 Glenair GT Aptiv

Shell Size and Thread Size

Size Code	Shell Size	Adapter Thread Size
11	A (11)	.750-20 UNEF
13	B (13)	.875-20 UNEF
15	C (15)	1.000-20 UNEF
17	D (17)	1.125-18 UNEF
19	E (19)	1.250-18 UNEF
23	F (23)	1.438-18 UNEF
25	G (25)	1.562-18 UNEF
29	H (29)	1.875-16 UN
33	J (33)	2.062-16 UNS

H

Adapter Code	Specifications	Manufacturer's Prefix
H	BACC63CT BACC63CU BACC63DB BACC63DC BACC63EK CECC75 201-002 EN3645 MIL-DTL-38999 Series III, IV	21 Amphenol Aerospace 233 Glenair 234 Glenair 8D Souriau ACT TE Connectivity AE32 Aero-Electric Connector, Inc. BL Cooper Interconnect (G&H) CJ14 Corsair CTV Amphenol Aerospace DIV TE Connectivity DTS TE Connectivity ETV Amphenol Aerospace G3 Eaton HV Amphenol Aerospace JVS Souriau KJA ITT Cannon KJB ITT Cannon MTV Amphenol Aerospace SC3 Spacecraft Components TV Amphenol Aerospace TVS Amphenol Aerospace

Shell Size and Thread Size

Size Code	Shell Size	Adapter Thread Size
09	9 (A)	M12X1.0-6H
11	11 (B)	M15X1.0-6H
13	13 (C)	M18X1.0-6H
15	15 (D)	M22X1.0-6H
17	17 (E)	M25X1.0-6H
19	19 (F)	M28X1.0-6H
21	21 (G)	M31X1.0-6H
23	23 (H)	M34X1.0-6H
25	25 (J)	M37X1.0-6H

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Adapter Code Reference

Adapter Codes (Continued)

J

Specifications	Manufacturer's Prefix	
AS81511 VG95329	348 A815 B815	Amphenol Ltd. TE Connectivity TE Connectivity

Contact Glenair for accessory ordering information

Shell Size	Adapter Thread Size
08	0.500-28 UNEF
10	0.625-28 UN
14	0.875-28 UN
16	1.000-28 UN
18	1.125-28 UN
20	1.250-28 UN
22	1.375-28 UN
24	1.500-28 UN

K

Specifications	Manufacturer's Prefix	
MIL-DTL-83723 Series II	CVA	Cannon

Contact Glenair for accessory ordering information

Shell Size	Adapter Thread Size	Shell Size	Adapter Thread Size
08	0.4375-28 UNEF	20	1.125-18 UNEF
10	0.500-28 UNEF	22	1.250-18 UNEF
11	0.5625-24 UNEF	24	1.375-18 UNEF
12, 13	0.625-24 UNEF	28	1.625-18 UNEF
14, 15	0.750-20 UNEF	32	1.875-16 UNEF
16, 17	0.875-20 UNEF	36	2.125-16 UNEF
18	1.000-20 UNEF	40	2.375-16 UNEF

L

Specifications	Manufacturer's Prefix	
BS9522 F0012 PATT 615	118	Amphenol Ltd.
JN1003	418-5	Amphenol Ltd.
LN29729	8ST	Souriau
NFC93422 HE306	CGK	ITT Cannon
PAN6433-2	HDJ	TE Connectivity
VG96912	SJT	Amphenol Aerospace

Contact Glenair for accessory ordering information

Shell Size	Adapter Thread Size
08	0.4375-28 UNEF
10	0.5625-24 UNEF
12	0.6875-24 UNEF
14	0.8125-20 UNEF
16	0.9375-20 UNEF
18	1.0625-18 UNEF
20	1.1875-18 UNEF
22	1.3125-18 UNEF
24	1.4375-18 UNEF

M

Specifications	Manufacturer's Prefix	
BACC63DU BACC63DV	2M 800 801 803 804 805 MD MKJ	Amphenol Aerospace Glenair Glenair Glenair Glenair Glenair Cinch ITT Cannon

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	Adapter Thread Size
05	5	N/A	0.250-32
06	6	N/A	0.3125-32
11	N/A	8	0.3750-32
07	7	9	0.4375-28
08	8	10	0.500-28
09	9	11	0.5625-24
10	10	12	0.625-24
12	11, 12, 13	13	0.6875-24
13	N/A	15	0.750-20
14	14, 15, 16, 17	18, 19	0.9375-20
16	19	21	1.0625-18
17	21	23	1.1875-18

Adapter Code Reference

Adapter Codes (Continued)

Adapter Code	Specifications	Manufacturer's Prefix	Shell Size and Thread Size
P	PowerTrip	970 Glenair	

Shell Size	Adapter Thread Size
18	1.125-18 UNEF-2B
20	1.250-18 UNEF-2B
24	1.4375-18 UNEF-2B
28	1.8125-16 UN-2B
32	2.0625-16 UNS-2B
36	2.250-16 UN-2B
40	2.500-16 UN-2B

Adapter Code	Specifications	Manufacturer's Prefix	Shell Size and Thread Size
S	BS9522 F0017 PATT 105 BS9522 F0020 PATT 608 BS9522 N0001 PATT 603	162GB Amphenol Ltd. 62GB Amphenol Ltd.	

Contact Glenair for accessory ordering information

Shell Size	Adapter Thread Size UNEF
08	0.4375-28
10	0.5625-24
12	0.6875-24
14	0.8125-20
16	0.9375-20
18	1.0625-18
20	1.1875-18
22	1.3125-18
24	1.4375-18

Adapter Code	Specifications	Manufacturer's Prefix	Shell Size and Thread Size
V	Mighty Mouse Mil-Aero	806 Glenair	

Shell Size	Adapter Thread Size ISO Metric
08	M10 x 1.0-6H
09	M12 x 1.0-6H
10	M14 x 1.0-6H
11	M15 x 1.0-6H
12	M17 x 1.0-6H
14	M19 x 1.0-6H
16	M22 x 1.0-6H
18	M25 x 1.0-6H
20	M28 x 1.0-6H
22	M31 x 1.0-6H
24	M34 x 1.0-6H

Adapter Code	Specifications	Manufacturer's Prefix	Shell Size and Thread Size
W	GeoMarine	22 Glenair	

See GeoMarine Series 22 Catalog for accessory ordering information

Shell Size	Adapter Thread Size
10	0.625-24 UNEF
12	0.750-20 UNEF
14	0.875-20 UNEF
16	1.000-20 UNEF
18	1.125-16 UN
20	1.250-16 UN
22	1.3755-16 UN
24	1.500-16 UN

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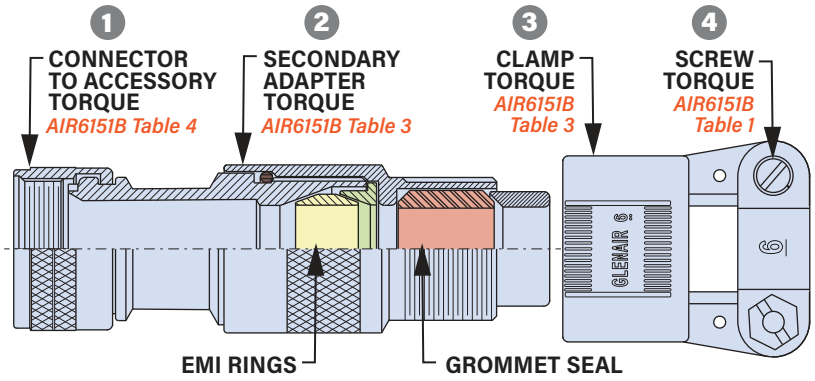
Connector Accessory Recommended Torque

Recommended torque values per SAE AIR6151B.



1 AIR6151B Table 4 Connector Accessory Assembly Torque

TYPE 1 LIGHT & MEDIUM DUTY

AS50151 Series I (AS31001)
MIL-DTL-26482 Series I
MIL-DTL-26500
MIL-DTL-38999 Series I and II
AS81511

TYPE 2 HEAVY DUTY

AS50151 Series II, III (AS34001)
MIL-DTL-22992
MIL-DTL-26482 Series II
MIL-DTL-28840
MIL-DTL-38999 Series III and IV
AS81703 Series 3
MIL-DTL-83733 Series I, II, III

Connector Shell Size	MIN/MAX IN-LB Type 1 Aluminum Light and Medium Duty	Type 2 Aluminum Heavy Duty	Type 3 Composite Accessories	Type 4 Aluminum, High Vibration (Engine) Applications	Type 5 Stainless Steel, High Vibration (Engine) Applications
8, 9, A	30/40	51/61	20/25	66/77	91/101
3, 10, 10SL, 11, B	30/40	71/81	20/30	103/113	115/125
7, 12, 13, C	35/45	103/113	25/35	115/125	115/125
14, 15, D	35/45	111/121	25/35	139/149	139/149
16, 17, E	35/45	111/121	30/40	139/149	139/149
18, 19, F	35/45	111/121	30/40	139/149	175/185
20, 21, 37, G	75/85	131/141	35/45	175/185	199/209
22, 23, H	75/85	131/141	35/45	175/185	223/233
24, 25, 61, J	75/85	131/141	35/45	175/185	259/269
28, 29	115/125	143/153	115/125	187/197	307/317
32, 33	115/125	143/153			
36	115/125	143/153			
40	155/165	159/169			
44	155/165	159/169			
48	155/165	159/169			

2 3 AIR6151B Table 3 Secondary Adapter Torque and Clamp Torque

Clamp Size	Grommet Seal MIN/MAX IN-LB	EMI Rings MIN/MAX IN-LB
3	8/12	30/40
4	10/15	30/40
6	10/15	35/55
8	12/20	35/55
10	12/20	35/55
12	16/30	40/60
16	20/40	40/60
20	20/40	40/60
24	25/45	80/100
28	30/50	80/100
32	30/50	80/100
40	40/60	80/100

4 AIR6151B Table 1 Screw Torque

Screw Size	MIN/MAX IN-LB **Standard Installation** *into Aluminum and SST*	**Composite Accessories** *or Aluminum with less than 3 threads of engagement*	**High Vibration Areas Engines Clinch Nuts Ground Straps**
2-56	1.5/2.5	1.2/2.0	2.0/2.5
4-40	3.5/4.5	2.8/3.6	3.5/4.5
6-32	5.0/7.0	4.0/5.6	5.5/6.5
8-32	7.0/9.0	5.6/7.2	7.5/8.5
10-32	9.0/11.0	7.2/8.8	8.5/10.5
.250-20	11.0/13.0	8.8/10.4	10.5/15.5

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Assembly Tools

Assembly Tools

Series 60 Tools provide fast and accurate installation of adapters onto circular connectors. Install connector holding fixture onto torque wrench and insert mating face of wired connector onto fixture. Next, hand-tighten adapter coupling nut, making sure to fully seat adapter teeth into connector teeth. Then, use strap wrench, soft jaw pliers or coupling nut wrench to tighten nut to desired torque.

For more information: https://www.glenair.com/tools/

600-162BV
Bench Mount Torque Wrench

600*005
Connector Holding Fixture

600-006
Coupling Nut Wrench

TG70
Strap Wrench

TG69
Soft Jaw Pliers

600-157
Composite Coupling Nut Wrench

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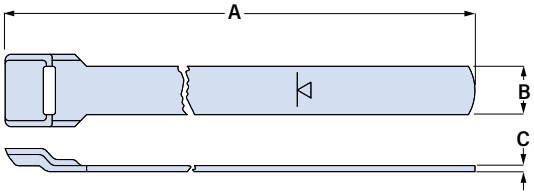
Band Straps and Tools for Shield Termination

Band-Master ATS®

Terminate cable braid shield to adapter with stainless steel ***Band-Master ATS®*** bands. Install band with hand tool or bench-mounted pneumatic tool. Bands are available in three widths: ***Standard*** (.24 inch), ***Micro*** (.12 inch) and ***Nano*** (.075 inch). ***Slim Standard*** and ***Micro Slim*** bands have reduced thickness for weight reduction. Available flat or pre-coiled, bands are 304 series stainless steel, passivated.



For more information on the Band-Master ATS EMI shield termination system, including instruction manuals and calibration details:

https://www.glenair.com/bandmaster/

Band Part Numbers

Size	A Length in	A Length mm	Fits up to Dia. in	Fits up to Dia. mm	B Width in	B Width mm	C Thickness in	C Thickness mm	Part Number Flat	Part Number Pre-coiled	Hand Tool Part Number
Standard	9	228	1.00	25.4	.24	6.1	.02	0.5	601-005	601-006	601-100
	14	355	1.80	45.7	.24	6.1	.02	0.5	601-040	601-041	
	18	457.	2.50	63.5	.24	6.1	.02	0.5	601-049	601-050	
Slim Standard	9	228	.94	23.9	.24	6.1	.01	0.3	601-570	601-571	601-109
	14	355	1.80	45.7	.24	6.1	.01	0.3	604-572	601-573	
Micro	5	127	.50	12.7	.12	3.0	.015	0.4	601-024	601-025	601-101
	8	203	.88	22.4	.12	3.0	.015	0.4	601-060	601-061	
	14	356	1.88	47.7	.12	3.0	.015	0.4	601-064	601-065	
Micro Slim	8	203	.88	22.4	.12	3.0	.01	0.3	601-600	601-601	601-122
	14	356	1.88	47.7	.12	3.0	.01	0.3	601-602	601-603	
Nano	6	152	.60	15.2	.075	1.9	.009	0.9	601-500	601-501	601-108
	9	229	.94	23.9	.075	1.9	.009	0.9	601-504	601-505	
	14	356	1.80	45.7	.075	1.9	.009	0.9	601-508	601-509	

Hand Tool for Band Installation

High Volume Pneumatic Tool

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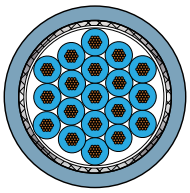
Wire Bundle Diameter Calculator



Calculating Wire Bundle Diameter

Use this calculator to find the approximate diameter of a wire bundle. The wire bundle diameter is used to select the proper accessory cable entry size. Add .025 inches to the diameter if the bundle has an overall braid shield, plus 2X the jacket thickness. If the bundle diameter almost exceeds the maximum allowable diameter for an entry size, then it is a good idea to move up to the next larger entry size. Undersize bundles can be enlarged with bushings or silicone tape to fit the cable clamp.

Wire Diameter Bundle Calculator

	Steps	Example
All wires in bundle are the same diameter	Multiply wire diameter by the appropriate multiplication factor shown in table below	20 wires @ .058 inch diameter Multiplication Factor from Table = 5.6 (.058) x (5.6) = .33 bundle diameter
Wires in bundle are different diameters	1 Multiply each diameter by the number of wires of that diameter	20 wires @ .058 inch diameter 20 x .058 = 1.160 4 wires @ .111 inch diameter 4 x .111 = .444
	2 Add the results of Step 1	1.160 + .444= 1.604
	3 Divide the sum by the total number of wires	1.604 ÷ 24 = .067 average diameter
	4 Multiply average diameter by the factor in table	(.067) x 6.0 = .40 bundle diameter

Wire Bundle Diameter Factors

Number of Wires	Multiplication Factor	Number of Wires	Multiplication Factor
1	1.0	36	7.4
2	2.0	40	7.7
3	2.2	45	8.1
4	2.4	50	8.5
5	2.7	55	8.9
6	2.9	60	9.3
7	3.0	65	9.7
8	3.3	70	10.1
9	3.8	75	10.5
10	4.0	80	10.9
12	4.3	90	11.6
14	4.6	100	12.2
16	5.0	125	13.7
18	5.3	150	15.0
20	5.6	175	16.1
24	6.0	200	17.2
28	6.5	250	19.3
32	6.9	300	21.0

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Preventing Contact Splay with Expanded Clearance Accessories

Prevent Contact Splay with Expanded Clearance Backshells

This reference guide provides information on extra clearance backshells. Standard clamps and adapters are too small for size 8 coax, twinax, quadrax and octaxial contacts with sealing boots. This interference causes axial displacement of the boot, leading to contact splay. Standard 45° and 90° elbows can also cause axial stress on contacts along with overbending of wires.

Expanded clearance accessories can eliminate these problems. These accessories have larger inside dimensions to avoid interference with sealing boots. Expanded clearance extenders and banding adapters have full radius "swept" 45 and 90 degree elbows prevent overbending of wires. Expanded clearance saddle clamps (*P/N 620-090*) have lengthened frames for improved management of coax and shielded twisted pair cables.

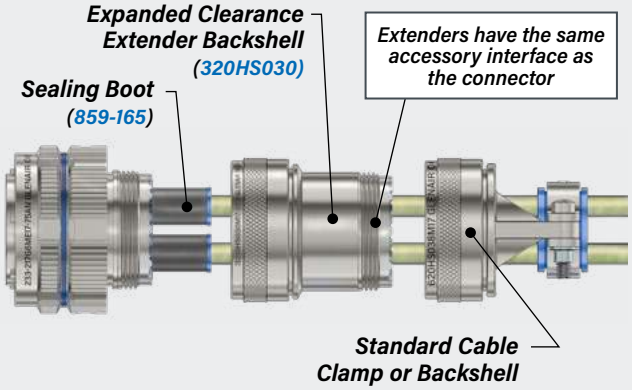
Expanded Clearance Extender Backshell

Expanded clearance extender backshells have larger inside dimensions to avoid interference with sealing boots. Attach a standard backshell to the extender. Swept 45° and 90° extenders prevent overbending of large diameter cables used with coax, twinax, quadrax and octaxial contacts.

Expanded Clearance Extender
320-030

Expanded Clearance Composite Extender
320H*031

Connector	Extender Part Number	Composite Extender Part Number
MIL-DTL-38999 Series III, IV	320H*030	320H*031
Series 80 Mighty Mouse	320M*030	-
Series 806 Mil-Aero	320V*030	-



Expanded Clearance Banding Backshell

Expanded clearance banding backshells are available in two styles: *440-233* with optional shrink boot, or *443-042* shrouded "band-in-a-can" version with saddle clamp strain relief. Terminate cable braid shield to adapter with stainless steel *Band-Master ATS®* bands. 45 and 90 degree profiles have swept elbows to maintain minimum wire bend radius requirements.

Expanded Clearance Banding Backshell
440-233

Expanded Clearance Shrouded Banding Backshell
443-042

Connector	Banding Backshell Part Number	Shrouded Banding Backshell Part Number
MIL-DTL-38999 Series III, IV	440H*233	443H*042
Series 80 Mighty Mouse	440M*233	443M*042
Series 806 Mil-Aero	440V*233	443V*042

Expanded Clearance Saddle Clamp

Expanded clearance saddle clamp has increased inside dimensions to eliminate interference with size 8 contacts and sealing boots. Increased frame length reduces axial stress on wires.

Expanded Clearance Saddle Clamp
620-090

Connector	Saddle Clamp Part Number
MIL-DTL-38999 Series III, IV	620HS090
Series 80 Mighty Mouse	620MS090
Series 806 Mil-Aero	620VS090

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AUTOSHRINK™

Fast and easy cold-action shrink boot and tubing solutions

Designed for rugged weathering, UV and ozone-resistant performance, Glenair Autoshrink is the one-piece easy-action shrink boot and tubing solution. Quickly attach shrink boots, splice insulation, or repair Glenair Duralectric formula jacketing. Straight, 45° and 90° angle lipped shrink boots lock into boot groove on adapters to keep out environmental debris. Universal design Autoshrink tubing delivers reliable and durable sealing as well as mechanical protection for cable-end terminations in harsh military and industrial applications. Built from Glenair Duralectric formula material, Autoshrink is fully hydrophobic and resistant to caustic chemicals and solvents. Easy-action spiral hold-out and large cold shrink ratio makes for fast installation and durable, split-resistant performance.

Mil-Aero / industrial fluid-resistant lipped shrink boots

Fast and easy repair of Duralectric-jacketed cables

Utilize for termination of lugs on new installations

- **Straight, 45° and 90° angle-lipped shrink boots and shrink tubing**
- **Fast and easy installation**
- **Four high-performance material types**
- **Fire-resistance in all material types**
- **Reliable IP68 sealing**
- **3000 VAC rated**
- **Multiple color options**
- **Service temperature range: -65°C to 300°C**
- **Ideal for repair of cables and conduit with Duralectric jacketing**
- **Extreme UV / sunlight resistance**
- **integrated ground strap versions available**

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Dimensions in inches (millimeters) are subject to change without notice.

Series 31 Shrink Boot Adapters

Selection Guide

- Lightweight, low profile
- EMI Braid Trap with tapered candelabra thread
- Available with self-locking coupling nuts for high vibration environments
- Eleven styles to choose from

Shrink Boot Adapter

Braid Trap Adapter for Shielded Cables

Braid Sock Adapter

Series 31 Shrink Boot Adapters

Lightweight ***Series 31 Shrink Boot Adapters*** fit standard mil spec circular electrical connectors. Adapter has groove for lipped style heatshrink boots.

Braid Trap Adapters have an EMI nut for terminating cable braid to connector.

Labor-saving ***Piggyback Boot Adapters*** have pre-installed boots for fast, easy installation. For shielded cables, a drop-in adapter attaches to cable braid with Band-Master banding strap.

Braid Sock Adapters have a length of shield braid attached to adapter.

Styles

Shrink Boot Adapter, Spin Coupling

Shrink Boot Adapter, Direct Coupling

Shrink Boot Adapter, Composite

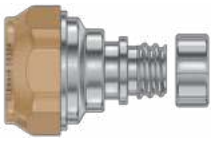
Shrink Boot Adapter, Pre-installed Boot

Shrink Boot Adapter, Composite, Pre-installed Boot

Shrink Boot Adapter, Pre-installed Boot, Banding Adapter

Shrink Boot Adapter, Composite, Pre-installed Boot, Banding Adapter

Shrink Boot Adapter, EMI Braid Trap



Shrink Boot Adapter, EMI Braid Trap, Composite

Shrink Boot Adapter, Braid Sock

Shrink Boot Adapter, Braid Sock, Composite

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Series 31 Shrink Boot Adapters

Selection Guide

Adapter Code A
AS50151 Crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

Shrink Boot Adapter, Spin Coupling
310A*001
Page 31-4

Shrink Boot Adapter, Direct Coupling
310AS034
Page 31-5

Shrink Boot Adapter, Composite, Self-Locking
310A*045
Page 31-6

Shrink Boot Adapter, Pre-installed Boot
310AS055
Page 31-7

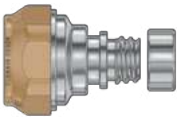
Composite Shrink Boot Adapter, Pre-installed Boot
310AS048
Page 31-8

Shrink Boot Adapter, Pre-installed Boot, EMI
310A*058
Page 31-9

Composite Shrink Boot Adapter, Pre-installed Boot, EMI
310A*057
Page 31-11

Shrink Boot Adapter, Braid Trap EMI, Spin Coupling
311A*001
Page 31-13

Shrink Boot Adapter, Braid Trap EMI, Self-Locking
311A*039
Page 31-15


Shrink Boot Adapter, Braid Trap, Composite
311A*019
Page 31-17

Shrink Boot Adapter, Braid Sock, Spin Coupling
319A*001
Page 31-18

Shrink Boot Adapter, Braid Sock, Self-Locking
319A*044
Page 31-20

Shrink Boot Adapter, Braid Sock, Composite
319AS155
Page 31-22

Adapter Code B
AS50151 Solder

Shrink Boot Adapter, Direct Coupling
310BS034
Page 31-23

Adapter Code D
MIL-DTL-26482 Series I

Shrink Boot Adapter, Direct Coupling
310DS034
Page 31-24

Adapter Code F
MIL-DTL-38999 Series I and II

Shrink Boot Adapter, Spin Coupling
310F*001
Page 31-25

Shrink Boot Adapter, Direct Coupling
310FS034
Page 31-26

Shrink Boot Adapter, Composite, Self-Locking
310F*045
Page 31-27

Shrink Boot Adapter, Pre-installed Boot
310FS055
Page 31-28

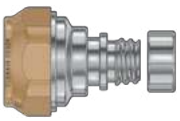
Composite Shrink Boot Adapter, Pre-installed Boot
310FS048
Page 31-29

Shrink Boot Adapter, Pre-installed Boot, EMI
310F*058
Page 31-30

Composite Shrink Boot Adapter, Pre-installed Boot, EMI
310F*057
Page 31-32

Shrink Boot Adapter, Braid Trap EMI, Spin Coupling
311F*001
Page 31-34

Shrink Boot Adapter, Braid Trap EMI, Self-Locking
311F*039
Page 31-36


Shrink Boot Adapter, Braid Trap, Composite
311F*019
Page 31-38

Shrink Boot Adapter, Braid Sock, Spin Coupling
319F*001
Page 31-39

Shrink Boot Adapter, Braid Sock, Self-Locking
319F*044
Page 31-41

Shrink Boot Adapter, Braid Sock, Composite
319FS155
Page 31-43

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Series 31 Shrink Boot Adapters

Selection Guide

Adapter Code H
MIL-DTL-38999 Series III and IV

Shrink Boot Adapter, Spin Coupling
310H*001
Page 31-44

Shrink Boot Adapter, Direct Coupling
310HS034
Page 31-45

Shrink Boot Adapter, Composite, Self-Locking
310H*045
Page 31-46

Shrink Boot Adapter, Pre-installed Boot
310HS055
Page 31-47

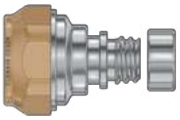
Composite Shrink Boot Adapter, Pre-installed Boot
310HS048
Page 31-48

Shrink Boot Adapter, Pre-installed Boot, EMI
310H*058
Page 31-49

Composite Shrink Boot Adapter, Pre-installed Boot, EMI
310H*057
Page 31-51

Shrink Boot Adapter, Braid Trap EMI, Spin Coupling
311H*001
Page 31-53

Shrink Boot Adapter, Braid Trap EMI, Self-Locking
311H*039
Page 31-55



Shrink Boot Adapter, Braid Trap, Composite
311H*019
Page 31-57

Shrink Boot Adapter, Braid Sock, Spin Coupling
319H*001
Page 31-58

Shrink Boot Adapter, Braid Sock, Self-Locking
319H*044
Page 31-60

Shrink Boot Adapter, Braid Sock, Composite
319HS155
Page 31-62

Adapter Code M
Series 80 Mighty Mouse

Shrink Boot Adapter, Direct Coupling
310MS034
Page 31-63

Shrink Boot Adapter, Braid Sock
319MS001
Page 31-64

Adapter Code P
Series 970 PowerTrip

Shrink Boot Adapter, Spin Coupling
310P*001
Page 31-65

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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

310A*001 Shrink Boot Adapter, Spin Coupling

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Spin coupling. Boot groove. 310A*001 shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has groove for lipped shrink boot. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Shell Size	Shrink Boot P/N
08	770-003S102
10	770-001S103
12	770-001S103
14	770-001S103
16	770-001S104
18	770-001S104
20	770-001S106
22	770-001S107
24	770-001S107
28	770-001S108
32	770-001S108
36	770-001S108
40	770-001S109

PART NUMBER

	310AS001	M	16	T

Base P/N

Base Part No.		Profile
310AS001	S	Straight
310AH001	H	45°
310AJ001	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

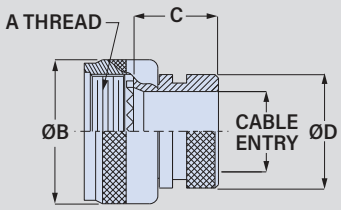
Shell Size: 08 10 12 14 16 18 20 22 24 28 32 36 40

Shrink Boot

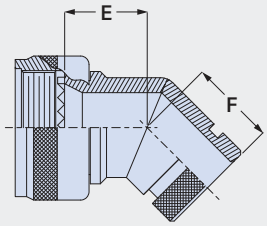
Omit if not required

T Shrink Boot included

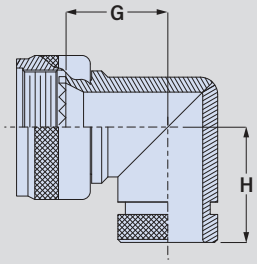
Profile S Straight



Profile H 45°



Profile J 90°



Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	C Max in	C Max mm	ø D Max in	ø D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	Cable Entry Min in	Cable Entry Min mm
08	0.500-20 UNF	.65	16.5	.940	23.9	.533	13.5	.639	16.2	.810	20.6	.750	19.1	.920	23.4	.250	6.4
10	0.625-24 UNEF	.77	19.6	.940	23.9	.605	15.4	.664	16.9	.840	21.3	.810	20.6	.980	24.9	.355	9.0
12	0.750-20 UNEF	.94	23.9	.940	23.9	.774	19.7	.688	17.5	.860	21.8	.870	22.1	1.040	26.4	.491	12.5
14	0.875-20 UNEF	1.07	27.2	.940	23.9	.838	21.3	.705	17.9	.890	22.6	.920	23.4	1.110	28.2	.565	14.4
16	1.000-20 UNEF	1.21	30.7	.940	23.9	.963	24.5	.732	18.6	.910	23.1	.980	24.9	1.170	29.7	.690	17.5
18	1.0625-18 UNEF	1.23	31.2	.940	23.9	1.042	26.5	.748	19.0	.920	23.4	1.020	25.9	1.190	30.2	.769	19.5
20	1.1875-18 UNEF	1.36	34.5	.940	23.9	1.217	30.9	.773	19.6	.940	23.9	1.080	27.4	1.250	31.8	.894	22.7
22	1.3125-18 UNEF	1.48	37.6	.940	23.9	1.355	34.4	.800	20.3	.980	24.9	1.140	29.0	1.330	33.8	1.019	25.9
24	1.4375-18 UNEF	1.73	43.9	.940	23.9	1.443	36.7	.823	20.9	1.010	25.7	1.200	30.5	1.400	35.6	1.134	28.8
28	1.750-18 UNS	1.97	50.0	.940	23.9	1.709	43.4	1.041	26.4	1.180	30.0	1.480	37.6	1.640	41.7	1.369	34.8
32	2.000-18 UNS	2.22	56.4	1.005	25.5	1.919	48.7	1.092	27.7	1.370	34.8	1.610	40.9	1.880	47.8	1.615	41.0
36	2.250-16 UN	2.47	62.7	1.005	25.5	2.169	55.1	1.137	28.9	1.416	36.0	1.720	43.7	1.990	50.6	1.830	46.5
40	2.500-16 UN	2.72	69.1	1.005	25.5	2.402	61.0	1.183	30.1	1.462	37.2	1.830	46.5	2.100	53.3	2.045	51.9

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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

310AS034 Shrink Boot Adapter, Direct Coupling

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

SHRINK BOOT

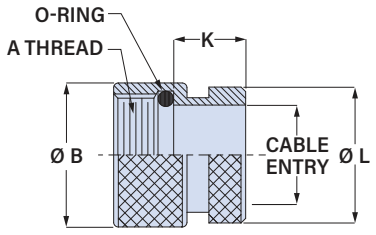
Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Shell Size	Shrink Boot P/N
08	770-001S103
10	770-001S103
12	770-001S104
14	770-001S106
16	770-001S106
18	770-001S107
20	770-001S107
22	770-001S108
24	770-001S108
28	770-001S109
32	770-001S109
36	770-003S110
40	770-003S110

Direct coupling. Low profile. 310AS034 shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has groove for lipped shrink boot. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel.

PART NUMBER

	310AS034	NF	22	T
Base P/N	310AS034			
Material/Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc Z1 SST/ Passivated			
Shell Size	08 10 12 14 16 18 20 22 24 28 32 36 40			
Shrink Boot	*Omit if not required* T Shrink Boot included			



Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	K Max in	K Max mm	ø L Max in	ø L Max mm	Cable Entry Min in	Cable Entry Min mm
08	0.500-20 UNF	.65	16.5	.500	12.7	.688	17.5	.250	6.4
10	0.625-24 UNEF	.77	19.6	.500	12.7	.803	20.4	.355	9.0
12	0.750-20 UNEF	.97	24.6	.500	12.7	.938	23.8	.491	12.5
14	0.875-20 UNEF	1.09	27.7	.500	12.7	1.063	27.0	.565	14.4
16	1.000-20 UNEF	1.22	31.0	.500	12.7	1.238	31.4	.690	17.5
18	1.0625-18 UNEF	1.22	31.0	.500	12.7	1.310	33.3	.769	19.5
20	1.1875-18 UNEF	1.34	34.0	.500	12.7	1.436	36.5	.844	21.4
22	1.3125-18 UNEF	1.47	37.3	.500	12.7	1.560	39.6	1.019	25.9
24	1.4375-18 UNEF	1.59	40.4	.500	12.7	1.686	42.8	1.134	28.8
28	1.750-18 UNS	1.97	50.0	.687	17.4	2.062	52.4	1.369	34.8
32	2.000-18 UNS	2.28	57.9	.687	17.4	2.312	58.7	1.615	41.0
36	2.250-16 UN	2.53	64.3	.687	17.4	2.562	65.1	1.830	46.5
40	2.500-16 UN	2.78	70.6	.687	17.4	2.812	71.4	2.045	51.9

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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

310A*045 Shrink Boot Adapter, Composite

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Corrosion-proof composite material. 310A*045 composite shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has groove for lipped shrink boot. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Supplied as adapter only or as kit with shrink boot. Glass-filled high performance thermoplastic.

PART NUMBER

310AS045	XB	16	D	T

Base P/N

Base Part No.		Profile
310AS045	S	Straight
310AT045	T	45°
310AW045	W	90°

Finish

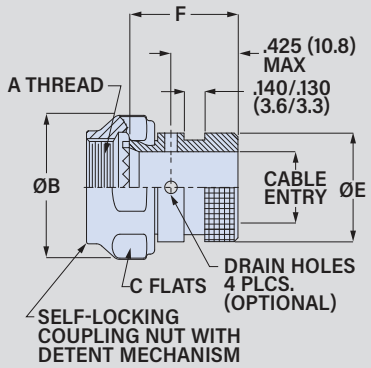
XB	No Plating (Black Color)
XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XZR	Black Zinc-Nickel

Shell Size: 08 10 12 14 16 18 20 22 24

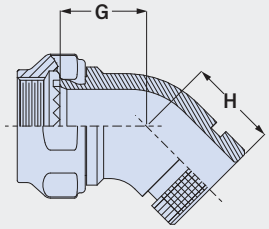
Drain Holes: *Omit if not required*
D Drain Holes

Shrink Boot: *Omit if not required*
T Shrink Boot included

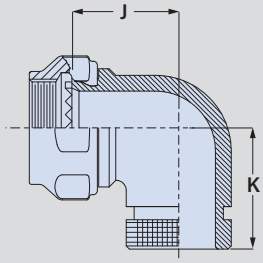
Profile S
Straight



Profile T
45°



Profile W
90°



Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø E Max in	ø E Max mm	F Max in	F Max mm	G Max in	G Max mm	H ±.06(1.5) in	H ±.06(1.5) mm	J Max in	J Max mm	K ±.06(1.5) in	K ±.06(1.5) mm	Cable Entry Min in	Cable Entry Min mm	Shrink Boot P/N
08	0.500-20 UNF	.86	21.8	.750	19.1	.533	13.5	.940	23.9	.78	19.8	1.049	26.6	.74	18.8	1.159	29.4	.250	6.4	770-003S102
10	0.625-24 UNEF	.98	24.9	.875	22.2	.605	15.4	.940	23.9	.81	20.6	1.075	27.4	.80	20.3	1.221	31.0	.355	9.0	770-001S103
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.774	19.7	.940	23.9	.81	20.6	1.100	27.9	.86	21.8	1.283	32.6	.491	12.5	770-001S103
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.838	21.3	.940	23.9	.82	20.8	1.126	28.6	.93	23.6	1.346	34.2	.565	14.4	770-001S103
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.963	24.5	.940	23.9	.84	21.3	1.146	29.1	.99	25.1	1.409	35.8	.690	17.5	770-001S104
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	1.042	26.5	.940	23.9	.85	21.6	1.165	29.6	1.05	26.7	1.471	37.4	.769	19.5	770-001S104
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.217	30.9	.940	23.9	.88	22.4	1.189	30.2	1.12	28.4	1.533	38.9	.894	22.7	770-001S106
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.355	34.4	.940	23.9	.92	23.4	1.230	31.2	1.18	30.0	1.596	40.5	1.019	25.9	770-001S107
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.443	36.7	.940	23.9	.97	24.6	1.256	31.9	1.24	31.5	1.659	42.1	1.134	28.8	770-001S107

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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

310AS055 Shrink Boot Adapter, Pre-installed Boot

Self-Locking

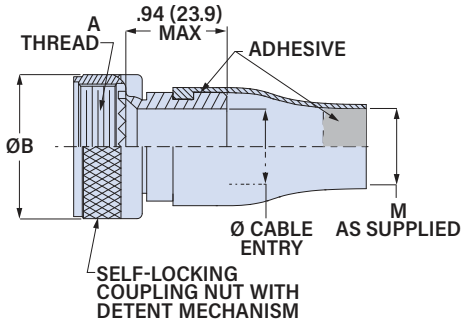
- Pre-installed boot for 50% faster boot installation
- Environmental
- Adhesive lined
- 3 boot material options
- Aluminum or SST adapter

Adapter Code A

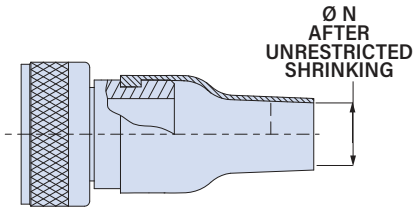
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Fast installation, environmental, self-locking. 310AS055 "piggyback" shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Use with jacketed, unshielded cable. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 U.S. Army approved flexible polyolefin Adapter is aluminum or stainless steel, available in standard mil spec finishes. Polyamide adhesive.

As Supplied



After Shrinking



PART NUMBER

	310AS055	NF	16	-2
Base P/N	310AS055			
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated			
Shell Size	**08 10 12 14 16 18 20 22 24**			
Boot Material	**-1** Type 1 High Performance Semi-Rigid Elastomer **-2** Type 2 Zero Halogen Semi-Rigid Polyolefin **-3** Type 3 Flexible Polyolefin			

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	ø M Min in	ø M Min mm	ø N Max in	ø N Max mm	Min Cable Entry in	Min Cable Entry mm
08	0.500-20 UNF	.69	17.5	.250	6.4	.197	5.0	.250	6.4
10	0.625-24 UNEF	.82	20.8	.355	9.0	.197	5.0	.355	9.0
12	0.750-20 UNEF	.94	23.9	.491	12.5	.236	6.0	.491	12.5
14	0.875-20 UNEF	1.06	26.9	.565	14.4	.236	6.0	.565	14.4
16	1.000-20 UNEF	1.17	29.7	.690	17.5	.276	7.0	.690	17.5
18	1.0625-18 UNEF	1.46	37.1	.769	19.5	.335	8.5	.769	19.5
20	1.1875-18 UNEF	1.60	40.6	.894	22.7	.394	10.0	.894	22.7
22	1.3125-18 UNEF	1.70	43.2	1.019	25.9	.394	10.0	1.019	25.9
24	1.4375-18 UNEF	1.84	46.7	1.134	28.8	.591	15.0	1.134	28.8

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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

310AS048 Shrink Boot Adapter, Pre-installed Boot, Composite

Self-Locking

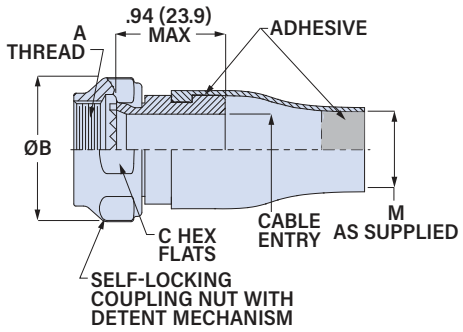
- Pre-installed boot for 50% faster boot installation
- Environmental
- Adhesive lined
- 3 boot material options
- Corrosion-proof composite

Adapter Code A

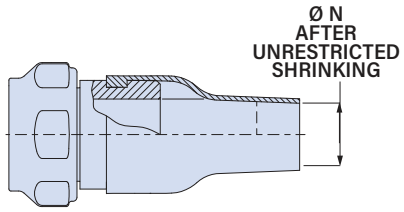
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Fast installation, environmental, self-locking, corrosion-proof composite. 310AS048 "piggyback" shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Use with jacketed, unshielded cable. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Shrink boot is factory-installed onto adapter with adhesive and is shrunk onto a mandrel with a diameter equal to the cable entry size. After shrinking, cable end is pre-coated with additional adhesive. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Adapter is glass-filled high performance thermoplastic.

As Supplied



After Shrinking



PART NUMBER

	310AS048	XB	22	-1
Base P/N	310AS048			
Finish	XB No Plating, Black			
Shell Size	08 10 12 14 16 18 20 22 24			
Boot Material	-1 Type 1 High Performance Semi-Rigid Elastomer -2 Type 2 Zero Halogen Semi-Rigid Polyolefin -3 Type 3 Flexible Polyolefin			

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø M Min in	ø M Min mm	ø N Max in	ø N Max mm	Min Cable Entry in	Min Cable Entry mm
08	0.500-20 UNF	.86	21.8	.750	19.1	.250	6.4	.197	5.0	.250	6.4
10	0.625-24 UNEF	.98	24.9	.875	22.2	.355	9.0	.197	5.0	.355	9.0
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.491	12.5	.236	6.0	.491	12.5
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.565	14.4	.236	6.0	.565	14.4
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.690	17.5	.276	7.0	.690	17.5
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.769	19.5	.335	8.5	.769	19.5
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	.894	22.7	.394	10.0	.894	22.7
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.019	25.9	.394	10.0	1.019	25.9
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.134	28.8	.591	15.0	1.134	28.8

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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

310A*058 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter

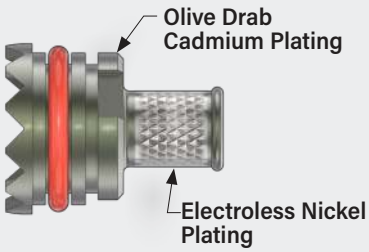
Self-Locking

- Pre-installed boot
- 50% faster installation
- Environmental
- Adhesive lined boot
- 3 material options
- "Drop-in" EMI banding adapter

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

FIG. 1: NFS PLATING



Banding Adapter with selective NFS plating finish

BAND

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

Fast installation, shielded, environmental, self-locking. 310A*058 "piggyback" shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Use with jacketed, shielded cable. Terminate cable overbraid to EMI banding adapter with optional stainless steel microband. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Shrink boot is factory-installed onto adapter with adhesive and is shrunk onto a mandrel with a diameter equal to the cable entry size. After shrinking, cable end is pre-coated with additional adhesive. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Backshell, coupling nut and drop-in banding adapter are aluminum. Silicone O-ring, polyamide hot melt adhesive.

PART NUMBER

	310AS058	NF	16	-2	K

Base P/N

Base Part No.		Profile
310AS058	S	Straight
310AA058	A	90° Boot
310AB058	B	45° Boot

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
NFS	Alum/ Olive Drab Cadmium, Selective *(fig. 1)*
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

08 10 12 14 16 18 20 22 24

Boot Material

-1	Type 1 High Performance Semi-Rigid Elastomer
-2	Type 2 Zero Halogen Semi-Rigid Polyolefin
-3	Type 3 Flexible Polyolefin

Band

Omit if not required

K Pre-Coiled MicroBand included With Backshell

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

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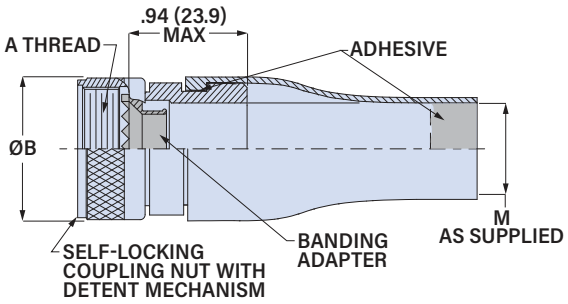
Series 31 Shrink Boot Adapters

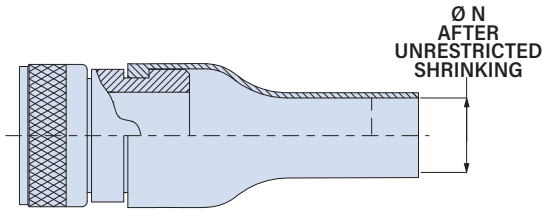
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

310A*058 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter

As Supplied

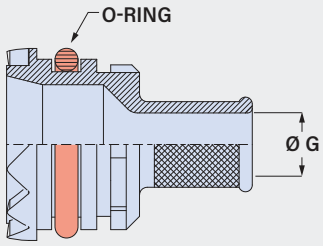


After Shrinking



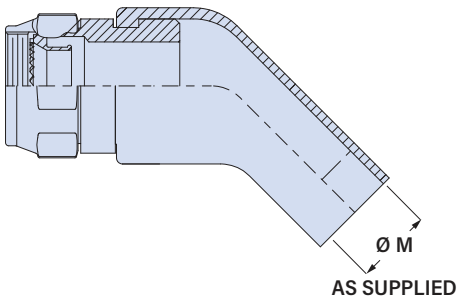
Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	ø M Min in	ø M Min mm	ø N Max in	ø N Max mm
08	0.500-20 UNF	.69	17.5	.250	6.4	.197	5.0
10	0.625-24 UNEF	.82	20.8	.355	9.0	.197	5.0
12	0.750-20 UNEF	.94	23.8	.491	12.5	.236	6.0
14	0.875-20 UNEF	1.06	26.9	.565	14.4	.236	6.0
16	1.000-20 UNEF	1.17	29.7	.690	17.5	.276	7.0
18	1.0625-18 UNEF	1.46	37.1	.769	19.5	.335	8.5
20	1.1875-18 UNEF	1.60	40.6	.894	22.7	.394	10.0
22	1.3125-18 UNEF	1.70	43.2	1.019	25.9	.394	10.0
24	1.4375-18 UNEF	1.84	46.7	1.134	28.8	.591	15.0

BANDING ADAPTER

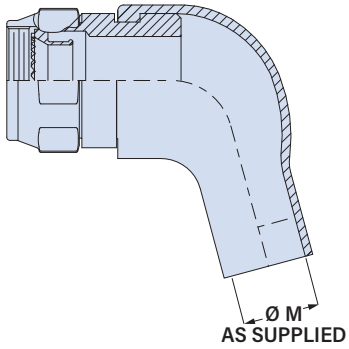


Shell Size	G Dia. ± .015 (0.4) in	G Dia. ± .015 (0.4) mm
08	.160	4.1
10	.270	6.9
12	.390	9.9
14	.512	13.0
16	.610	15.5
18	.672	17.1
20	.797	20.2
22	.922	23.4
24	1.047	26.6

45°



90°



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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

310A*057 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter, Composite

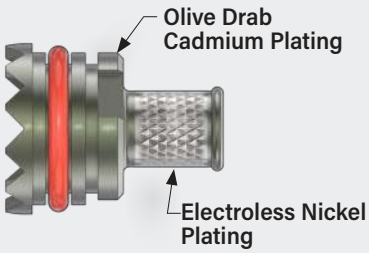
Self-Locking

- Pre-installed boot
- 50% faster installation
- Environmental
- Adhesive lined boot
- Corrosion-proof composite material
- EMI banding adapter

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

FIG. 1: BNS PLATING



Banding Adapter with selective BNS plating finish

BAND

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

Fast installation, shielded, environmental, self-locking. 310A*057 "piggyback" shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Use with jacketed, shielded cable. Terminate cable overbraid to EMI banding adapter with optional stainless steel microband. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Shrink boot is factory-installed onto adapter with adhesive and is shrunk onto a mandrel with a diameter equal to the cable entry size. After shrinking, cable end is pre-coated with additional adhesive. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Coupling nut and adapter body are PEI thermoplastic. EMI adapter is brass. Silicone O-ring, polyamide hot melt adhesive.

PART NUMBER

310AS057	BM	18	-1	K

Base P/N

Base Part No.		Profile
310AS057	S	Straight
310AA057	A	90° Boot
310AB057	B	45° Boot

EMI Adapter Finish

- **BM** Electroless Nickel
- **BMT** Nickel-PTFE
- **BNS** Olive Drab Cadmium, Selective *(fig. 1)*

Shell Size

08 10 12 14 16 18 20 22 24

Boot Material

- **-1** Type 1 High Performance Semi-Rigid Elastomer
- **-2** Type 2 Zero Halogen Semi-Rigid Polyolefin
- **-3** Type 3 Flexible Polyolefin

Band

Omit if not required

- **K** Pre-Coiled MicroBand included With Backshell

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

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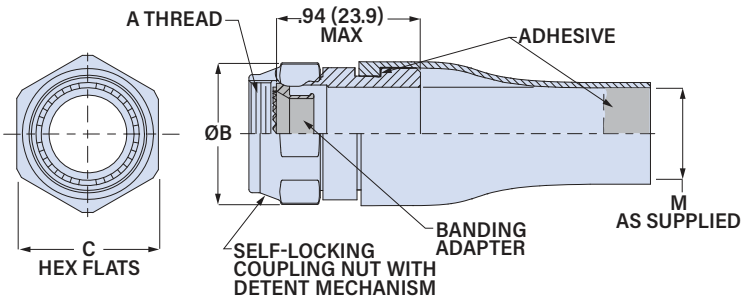
Series 31 Shrink Boot Adapters

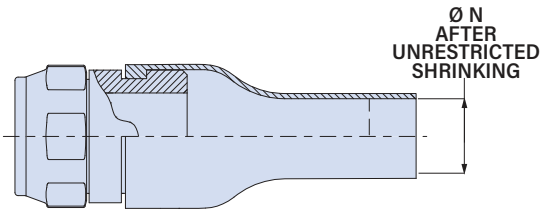
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

310A*057 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter, Composite

As Supplied

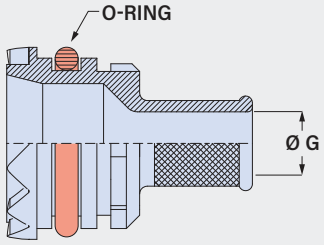


After Shrinking



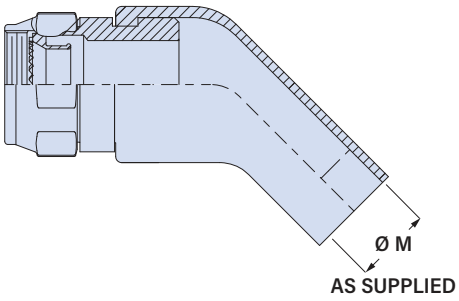
Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø M Min in	ø M Min mm	ø N Max in	ø N Max mm
08	0.500-20 UNF	.86	21.8	.750	19.1	.250	6.4	.197	5.0
10	0.625-24 UNEF	.98	24.9	.875	22.2	.355	9.0	.197	5.0
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.491	12.5	.236	6.0
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.565	14.4	.236	6.0
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.690	17.5	.276	7.0
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.769	19.5	.335	8.5
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	.894	22.7	.394	10.0
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.019	25.9	.394	10.0
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.134	28.8	.591	15.0

BANDING ADAPTER

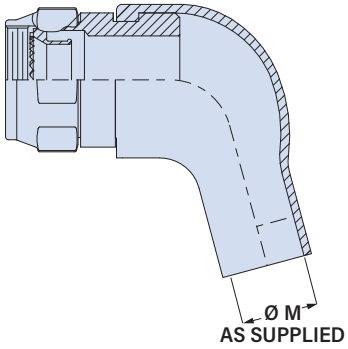


Shell Size	G Dia. ± .015 (0.4) in	G Dia. ± .015 (0.4) mm
08	.140	3.6
10	.270	6.9
12	.390	9.9
14	.512	13.0
16	.637	16.2
18	.757	19.2
20	.881	22.4
22	1.006	25.6
24	1.131	28.7

45°



90°



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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

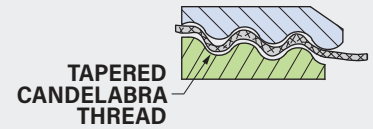
311A*001 Shrink Boot Adapter, Braid Trap

Shielded. Variable entry size. 311A*001 shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has candelabra-style tapered thread to captivate shield braid under nut. install optional lipped shrink boot over nut for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

BRAID TRAP



PART NUMBER

	311AS001	M	16	05	T

Base P/N

Base Part No.		Profile
311AS001	S	Straight
311AH001	H	45°
311AJ001	J	90°

Material/ Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size 08 10 12 14 16 18 20 22 24 28 32 36

Entry Size *See Table 1*

Shrink Boot *Omit if not required*
T Shrink Boot included

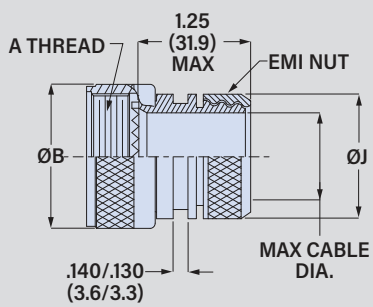
TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	Max Cable Dia. in	Max Cable Dia. mm	J Max in	J Max mm
02	08-36	.250	6.4	.515	13.1
03	10-36	.375	9.5	.640	16.3
04	12-36	.500	12.7	.765	19.4
05	16-36	.625	15.9	.920	23.4
06	18-36	.750	19.1	1.015	25.8
07	20-36	.875	22.2	1.140	29.0
08	22-36	1.000	25.4	1.265	32.1
09	24-36	1.125	28.6	1.432	36.4
10	24-36	1.250	31.8	1.515	38.5
11	28-36	1.375	34.9	1.640	41.7
12	32-36	1.500	38.1	1.765	44.8
13	36	1.750	44.5	2.015	51.2

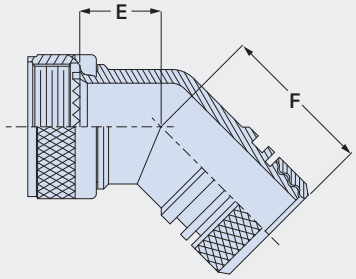
** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	Max Entry Size*
08	0.500-20 UNF	.65	16.5	.830	21.1	1.045	26.5	.940	23.9	1.155	29.3	02
10	0.625-24 UNEF	.77	19.6	.860	21.8	1.075	27.3	1.010	25.7	1.225	31.1	03
12	0.750-20 UNEF	.94	23.9	.882	22.4	1.097	27.9	1.070	27.2	1.285	32.6	04
14	0.875-20 UNEF	1.07	27.2	.900	22.9	1.125	28.6	1.130	28.7	1.345	34.2	04
16	1.000-20 UNEF	1.21	30.7	.930	23.6	1.145	29.1	1.190	30.2	1.405	35.7	05
18	1.0625-18 UNEF	1.23	31.2	.950	24.1	1.165	29.6	1.240	31.5	1.455	37.0	06
20	1.1875-18 UNEF	1.36	34.5	.980	24.9	1.195	30.4	1.310	33.3	1.525	38.7	07
22	1.3125-18 UNEF	1.48	37.6	1.000	25.4	1.215	30.9	1.360	34.5	1.575	40.0	08
24	1.4375-18 UNEF	1.73	43.9	1.030	26.2	1.245	31.6	1.430	36.3	1.645	41.8	09
28	1.750-18 UNS	1.97	50.0	1.240	31.5	1.620	41.1	1.481	37.6	1.766	44.9	11
32	2.000-18 UNS	2.22	56.4	1.292	32.8	1.750	44.5	1.798	45.7	1.886	47.9	12
36	2.250-16 UN	2.47	62.7	1.338	34.0	1.796	45.6	1.908	48.5	1.996	50.7	13

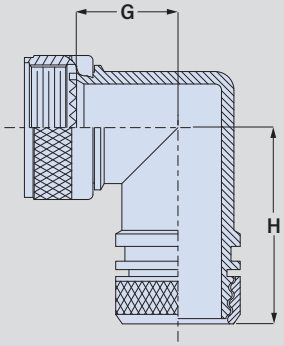
Profile S Straight



Profile H 45°



Profile J 90°



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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

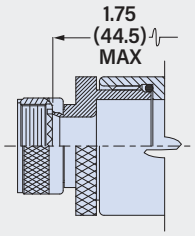
311A*001 Shrink Boot Adapter, Braid Trap

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

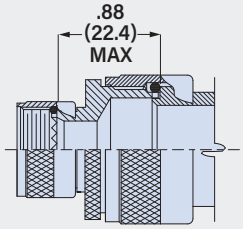
Shell Size	Max Entry Size	Shell Size	Max Entry Size
08	02	20	07
10	03	22	08
12	04	24	09
14	04	28	11
16	05	32	12
18	06	36	13

Style 2 Straight Backshell



For Style 2 straight backshells, the front adapter adds ½ inch to the length.

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Entry Size	Shrink Boot P/N
02	770-001S103
03	770-001S103
04	770-001S104
05	770-001S104
06	770-001S105
07	770-001S106
08	770-001S106
09	770-001S107
10	770-001S107
11	770-001S108
12	770-001S108
13	770-001S108

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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

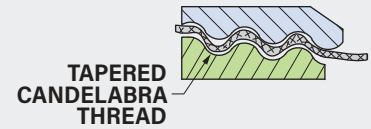
311A*039 Shrink Boot Adapter, Braid Trap, Self-Locking

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

BRAID TRAP



Shielded. Variable entry size. 311A*039 shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has candelabra-style tapered thread to captivate shield braid under nut. install optional lipped shrink boot over nut for environmental protection. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel.

PART NUMBER

	311AS039	M	16	05	T

Base P/N

Base Part No.		Profile
311AS039	S	Straight
311AH039	H	45°
311AJ039	J	90°

Material/ Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size: 08 10 12 14 16 18 20 22 24

Entry Size: *See Table 1*

Shrink Boot: *Omit if not required*
T Shrink Boot included

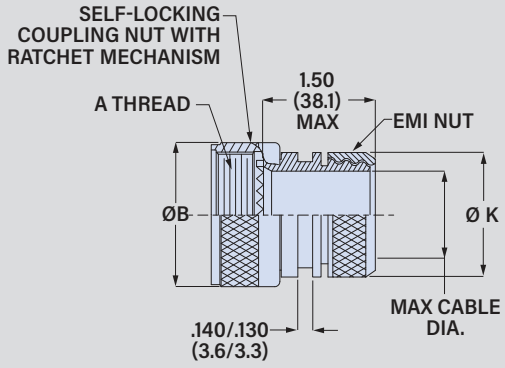
TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	Max Cable Dia. in	Max Cable Dia. mm	K Max in	K Max mm
02	08-24	.250	6.4	.515	13.1
03	10-24	.375	9.5	.640	16.3
04	12-24	.500	12.7	.765	19.4
05	16-24	.625	15.9	.920	23.4
06	18-24	.750	19.1	1.015	25.8
07	20-24	.875	22.2	1.140	29.0
08	22-24	1.000	25.4	1.265	32.1
09	24	1.125	28.6	1.432	36.4

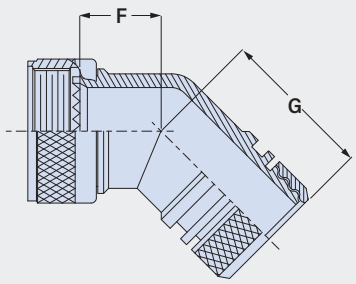
** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	Max Entry Size*
08	0.500-20 UNF	.69	17.5	.795	20.2	1.045	26.5	.906	23.0	1.155	29.3	02
10	0.625-24 UNEF	.82	20.8	.820	20.8	1.075	27.3	.966	24.5	1.225	31.1	03
12	0.750-20 UNEF	.94	23.8	.844	21.4	1.097	27.9	1.026	26.1	1.285	32.6	04
14	0.875-20 UNEF	1.06	26.9	.861	21.9	1.125	28.6	1.076	27.3	1.345	34.2	04
16	1.000-20 UNEF	1.17	29.7	.888	22.6	1.145	29.1	1.136	28.9	1.405	35.7	05
18	1.0625-18 UNEF	1.46	37.1	.904	23.0	1.165	29.6	1.176	29.9	1.455	37.0	06
20	1.1875-18 UNEF	1.60	40.6	.929	23.6	1.195	30.4	1.236	31.4	1.525	38.7	07
22	1.3125-18 UNEF	1.70	43.2	.956	24.3	1.215	30.9	1.296	32.9	1.575	40.0	08
24	1.4375-18 UNEF	1.84	46.7	.979	24.9	1.245	31.6	1.356	34.4	1.645	41.8	09

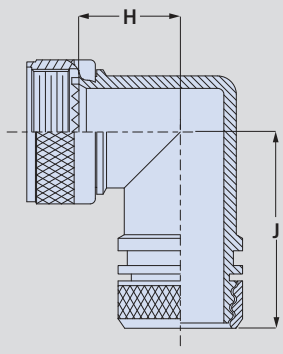
Profile S Straight



Profile H 45°



Profile J 90°



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REV 04.05.23

Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

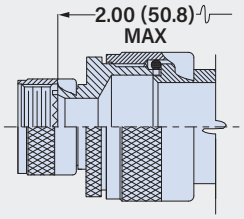
311A*039 Shrink Boot Adapter, Braid Trap, Self-Locking

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

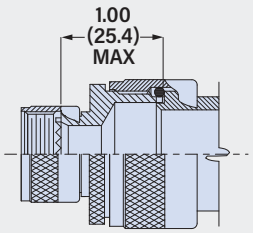
Shell Size	Max Entry Size	Shell Size	Max Entry Size
08	02	18	06
10	03	20	07
12	04	22	08
14	04	24	09
16	05		

Style 2 Straight Backshell



For Style 2 straight backshells, the front adapter adds ½ inch to the length.

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.00 inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Entry Size	Shrink Boot P/N
02	770-003S112
03	770-003S103
04	770-003S103
05	770-003S104
06	770-003S104
07	770-003S105
08	770-003S106
09	770-003S107

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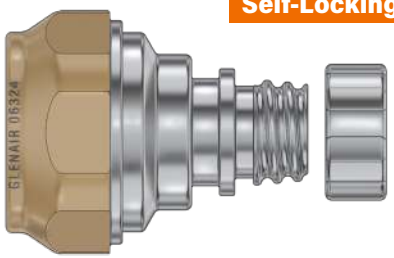
Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

311A*019 Shrink Boot Adapter, Braid Trap, Composite



Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Corrosion-proof composite material. 311A*019 composite shrink boot adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has candelabra-style tapered thread to captivate shield braid under nut. install optional lipped shrink boot over nut for environmental protection. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Supplied as adapter only or as kit with shrink boot. Glass-filled high performance thermoplastic.

BRAID TRAP

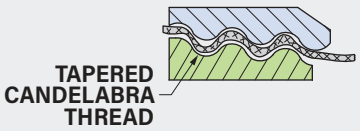


TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes	K Entry Dia. ± .030 (0.8) in	K Entry Dia. ± .030 (0.8) mm	L ± .06 (1.5) in	L ± .06 (1.5) mm
02	08-24	.250	6.4	.52	13.2
03	10-24	.375	9.5	.64	16.3
04	12-24	.500	12.7	.77	19.6
05	14-24	.625	15.9	.92	23.4
06	16-24	.750	19.1	1.02	25.9
07	18-24	.810	20.6	1.14	29.0
08	20-24	.940	23.9	1.27	32.3
09	22-24	1.060	26.9	1.43	36.3
10	24	1.190	30.2	1.52	38.6

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Entry Size	Shrink Boot P/N
02	770-003S112
03	770-001S103
04	770-001S103
05	770-001S104
06	770-001S104
07	770-001S105
08	770-001S106
09	770-001S107
10	770-001S107

PART NUMBER

	311AS019	XM	20	06	T

Base P/N

Base Part No.		Profile
311AS019	S	Straight
311AT019	T	45°
311AW019	W	90°

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XZR	Black Zinc-Nickel

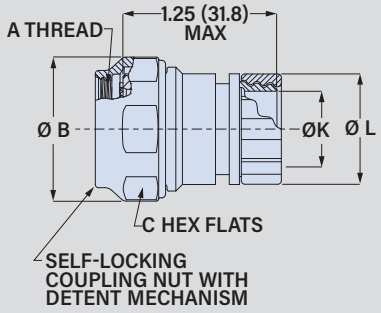
Coupling nut is natural amber color, unplated

Shell Size: 08 10 12 14 16 18 20 22 24

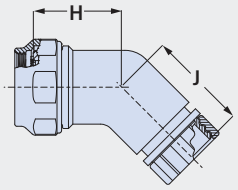
Entry Size: *See Table 1*

Shrink Boot: *Omit if not required*
T Shrink Boot included

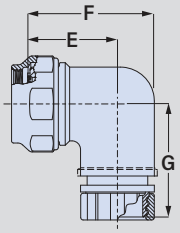
Profile S
Straight



Profile T
45°



Profile W
90°



Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø E ± .06(1.5) in	ø E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	H ± .06(1.5) in	H ± .06(1.5) mm	J ± .09(2.3) in	J ± .09(2.3) mm	Max Entry Size
08	0.500-20 UNF	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.19	30.2	.72	18.3	1.00	25.4	02
10	0.625-24 UNEF	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.25	31.8	.75	19.1	1.06	26.9	03
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.31	33.3	.75	19.1	1.13	28.7	04
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	.76	19.3	1.16	29.5	05
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	.78	19.8	1.18	30.0	06
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	.79	20.1	1.19	30.2	07
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.82	20.8	1.22	31.0	08
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	.86	21.8	1.26	32.0	09
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.89	22.6	1.29	32.8	10

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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

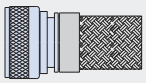
319A*001 Shrink Boot Adapter, Braid Sock

Adapter Code A

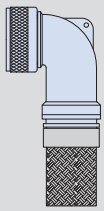
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

PROFILE SELECTION GUIDE

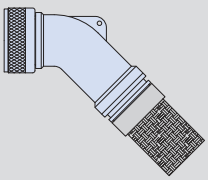
S Straight



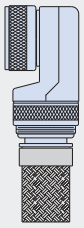
A 90°



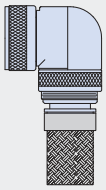
B 45°



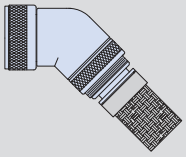
C 90°



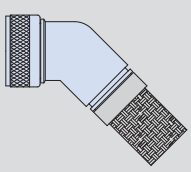
D 90°



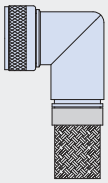
F 45°



H 45°



J 90°



Braid Sock. 319A*001 shrink boot adapter with braid sock fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has braid attached with crimp ring. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel. Tin-plated copper crimp ring. Braid is 36 AWG tinned copper per A-A-59569.

PART NUMBER

	319AS001	NF	10	04	-6	T

Base P/N

Base Part No.		Profile	Shell Size
319AS001	S	Straight	08-36
319AA001	A	90° Elbow	08-36
319AB001	B	45° Elbow	08-36
319AC001	C	90° Low Prof.	08-24
319AD001	D	90° Split	08-28
319AF001	F	45° Split	08-28
319AH001	H	45° Cut/Weld	08-24
319AJ001	J	90° Cut/Weld	08-24

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, S only)*

Shell Size

08 10 12 14 16 18 20 22 24 28 32 36

Entry Size

Size	Cable Entry ± .015 (0.4)	Shell Sizes*	Size	Cable Entry ± .015 (0.4)	Shell Sizes*
01	.188 (4.8)	08-36	13	.938 (23.8)	20-36
02	.250 (6.4)	08-36	14	1.000 (25.4)	22-36
03	.312 (7.9)	10-36	22	1.062 (27.0)	22-36
04	.375 (9.5)	10-36	19	1.125 (28.6)	24-36
05	.438 (11.1)	12-36	23	1.188 (30.2)	28-36
06	.500 (12.7)	12-36	15	1.250 (31.8)	28-36
07	.562 (14.3)	14-36	20	1.375 (34.9)	28-36
08	.625 (15.9)	16-36	16	1.500 (38.1)	32-36
09	.688 (17.5)	16-36	21	1.625 (41.3)	32-36
10	.750 (19.1)	18-36	17	1.750 (44.5)	36
11	.812 (20.6)	18-36	24	1.875 (47.6)	36
12	.875 (22.2)	20-36	18	2.000 (50.8)	36

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details. ⚠ Profile C entry size cannot exceed shell size range listed in table.*

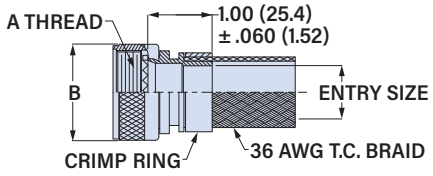
Braid Length

Braid length in inches, 4 inch minimum.

Shrink Boot

Omit if not required

T Shrink Boot included



Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.94	23.9
14	0.875-20 UNEF	1.07	27.2
16	1.000-20 UNEF	1.21	30.7
18	1.0625-18 UNEF	1.23	31.2
20	1.1875-18 UNEF	1.36	34.5
22	1.3125-18 UNEF	1.48	37.6
24	1.4375-18 UNEF	1.73	43.9
28	1.750-18 UNS	1.97	50.0
32	2.000-18 UNS	2.22	56.4
36	2.250-16 UN	2.47	62.7

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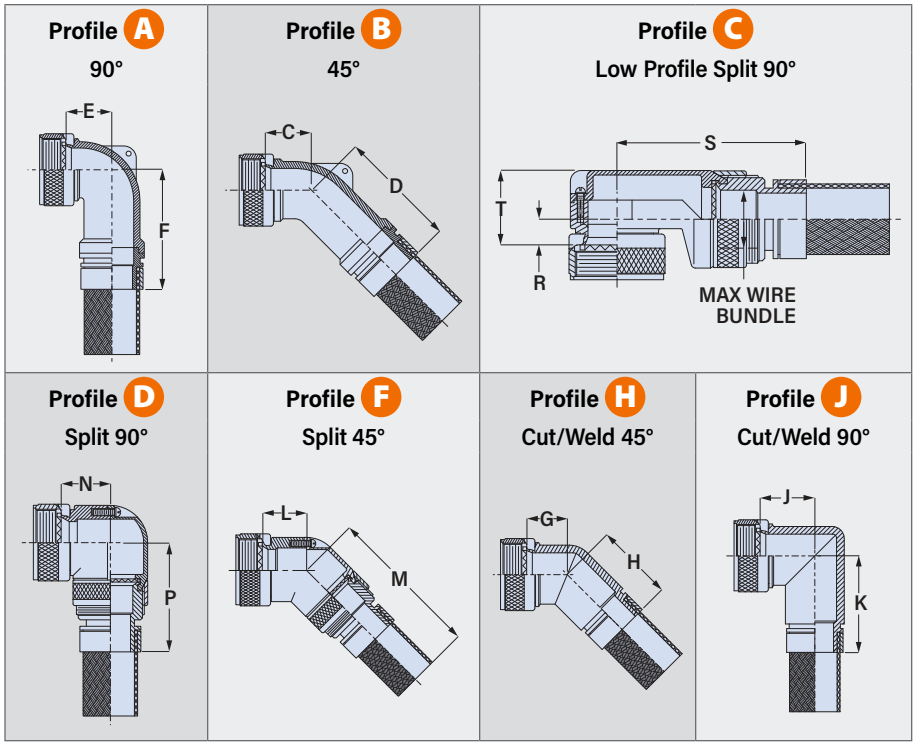
Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

319A*001 Shrink Boot Adapter, Braid Sock



Shell Size	C Max in	C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm
08	.457	11.6	1.71	43.4	.500	12.7	1.730	43.9	.830	21.1	1.045	26.5	.940	23.9	1.155	29.3
10	.520	13.2	1.77	45.0	.595	15.1	1.850	47.0	.860	21.8	1.075	27.3	1.010	25.7	1.225	31.1
12	.582	14.8	1.83	46.5	.610	15.5	1.870	47.5	.882	22.4	1.097	27.9	1.070	27.2	1.285	32.6
14	.645	16.4	1.92	48.8	.700	17.8	1.940	49.3	.900	22.9	1.125	28.6	1.130	28.7	1.345	34.2
16	.738	18.7	2.03	51.6	.885	22.5	2.030	51.6	.930	23.6	1.145	29.1	1.190	30.2	1.405	35.7
18	.926	23.5	2.22	56.4	.975	24.8	2.200	55.9	.950	24.1	1.165	29.6	1.240	31.5	1.455	37.0
20	.926	23.5	2.22	56.4	.975	24.8	2.200	55.9	.980	24.9	1.195	30.4	1.310	33.3	1.525	38.7
22	1.020	25.9	2.37	60.2	1.125	28.6	2.310	58.7	1.000	25.4	1.215	30.9	1.360	34.5	1.575	40.0
24	1.020	25.9	2.37	60.2	1.125	28.6	2.310	58.7	1.030	26.2	1.245	31.6	1.430	36.3	1.645	41.8
28	1.145	29.1	2.42	61.5	1.225	31.1	2.480	63.0								
32	1.207	30.7	2.52	64.0	1.575	40.0	2.730	69.3								
36	1.238	31.4	2.61	66.3	1.775	45.1	2.730	69.3								

Shell Size	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Ref in	R Ref mm	S Max in	S Max mm	T Max in	T Max mm	Max Wire Bundle in	Max Wire Bundle mm
08	.440	11.2	1.500	38.1	.680	17.3	1.440	36.6	.340	8.6	1.780	45.2	.681	17.3	.250	6.4
10	.500	12.7	1.560	39.6	.750	19.1	1.500	38.1	.270	6.9	1.940	49.3	.731	18.6	.375	9.5
12	.560	14.2	1.630	41.4	.810	20.6	1.570	39.9	.270	6.9	1.940	49.3	.731	18.6	.375	9.5
14	.620	15.7	1.660	42.2	.870	22.1	1.600	40.6	.280	7.1	2.010	51.1	.831	21.1	.500	12.7
16	.680	17.3	1.760	44.7	.930	23.6	1.700	43.2	.420	10.7	2.060	52.3	.981	24.9	.625	15.9
18	.750	19.1	1.820	46.2	1.000	25.4	1.760	44.7	.640	16.3	2.090	53.1	1.181	30.0	.625	15.9
20	.820	20.8	1.880	47.8	1.060	26.9	1.820	46.2	.640	16.3	2.090	53.1	1.181	30.0	.625	15.9
22	.880	22.4	1.940	49.3	1.120	28.4	1.880	47.8	.540	13.7	2.240	56.9	1.181	30.0	.750	19.1
24	.940	23.9	2.000	50.8	1.180	30.3	1.940	49.3	.540	13.7	2.240	56.9	1.181	30.0	.750	19.1
28	1.090	27.7	2.000	50.8	1.330	33.8	2.000	50.8								

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

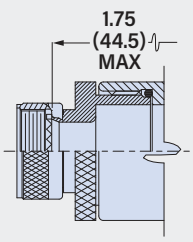
Entry Size	Shrink Boot P/N
01-02	770-003S111
03-05	770-001S103
06-08	770-001S104
09-11	770-001S105
12-14	770-001S106
15	770-001S107
16-17	770-001S108
18	770-001S109
19-20	770-001S107
21	770-001S108
22	770-001S106
23	770-001S107
24	770-001S109

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

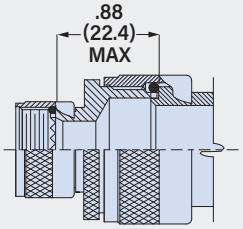
Shell Size	Max Entry Size	Shell Size	Max Entry Size
08	02	20	13
10	04	22	22
12	06	24	19
14	07	28	20
16	09	32	21
18	11	36	24

Style 2 Straight Backshell



For Style 2 straight backshells, the front adapter adds ½ inch to the length.

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inch.

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Series 31 Shrink Boot Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

319A*044 Shrink Boot Adapter, Braid Sock, Self-Locking

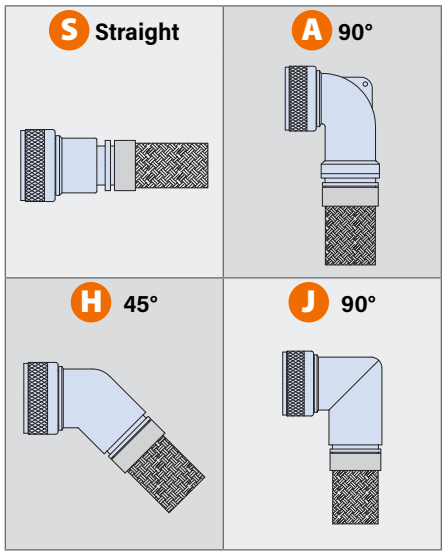
Self-Locking

Braid Sock. 319A*044 shrink boot adapter with braid sock fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has braid attached with crimp ring. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel. Tin-plated copper crimp ring. Braid is 36 AWG tinned copper per A-A-59569.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

PROFILE SELECTION GUIDE



PART NUMBER

319AS044	M	16	08	-6	-4	T

Base P/N

Base Part No.	Profile
319AS044	S Straight
319AA044	A 90° Elbow
319AH044	H 45° Cut/Weld
319AJ044	J 90° Cut/Weld

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, S only)*

Shell Size

08 10 12 14 16 18 20 22 24

Entry Size

Size	Cable Entry ± .015 (0.4)	Shell Sizes*	Size	Cable Entry ± .015 (0.4)	Shell Sizes*
01	.188 (4.8)	08-24	09	.688 (17.5)	16-24
02	.250 (6.4)	08-24	10	.750 (19.1)	18-24
03	.312 (7.9)	10-24	11	.812 (20.6)	20-24
04	.375 (9.5)	10-24	12	.875 (22.2)	20-24
05	.438 (11.1)	12-24	13	.938 (23.8)	22-24
06	.500 (12.7)	12-24	14	1.000 (25.4)	22-24
07	.562 (14.3)	14-24	15	1.250 (31.8)	-
08	.625 (15.9)	16-24	16	1.500 (38.1)	-

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size**.*

Braid Length

Braid length in one inch increments, 6 inch min

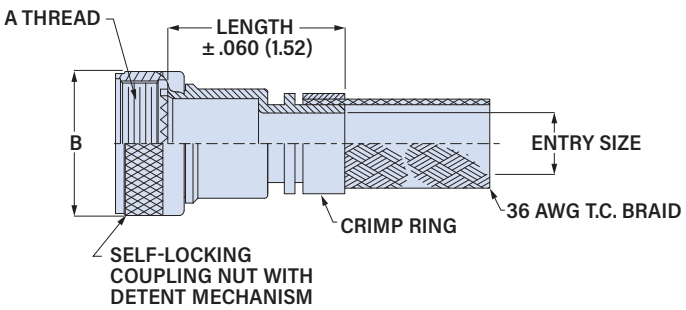
Length

3	1.5 inches	*Applies to Profile S only.*
4	2.0 inches	*If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.*
5	2.5 inches	

Shrink Boot

Omit if not required

T Shrink Boot included



Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	Max Entry Size*
08	0.500-20 UNF	.69	17.5	02
10	0.625-24 UNEF	.82	20.8	04
12	0.750-20 UNEF	.94	23.8	06
14	0.875-20 UNEF	1.06	26.9	07
16	1.000-20 UNEF	1.17	29.7	09
18	1.0625-18 UNEF	1.46	37.1	10
20	1.1875-18 UNEF	1.60	40.6	12
22	1.3125-18 UNEF	1.70	43.2	14
24	1.4375-18 UNEF	1.84	46.7	14

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** on next page.*

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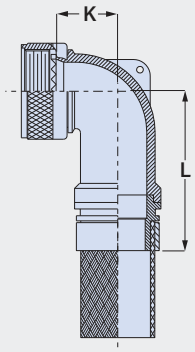
Series 31 Shrink Boot Adapters

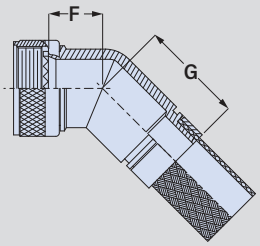
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

319A*044 Shrink Boot Adapter, Braid Sock, Self-Locking

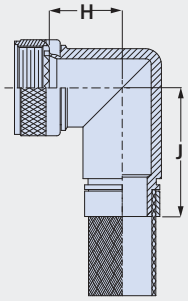
Profile A
90°



Profile H
Cut/Weld 45°



Profile J
Cut/Weld 90°



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm
08	.986	25.0	1.045	26.5	1.096	27.8	1.155	29.3	.655	16.6	1.88	47.8
10	1.016	25.8	1.075	27.3	1.166	29.6	1.225	31.1	.750	19.1	2.00	50.8
12	1.038	26.4	1.097	27.9	1.226	31.1	1.285	32.6	.765	19.4	2.02	51.3
14	1.056	26.8	1.125	28.6	1.286	32.7	1.345	34.2	.855	21.7	2.09	53.1
16	1.066	27.1	1.145	29.1	1.346	34.2	1.405	35.7	1.040	26.4	2.18	55.4
18	1.106	28.1	1.165	29.6	1.396	35.5	1.455	37.0	1.130	28.7	2.35	59.7
20	1.136	28.9	1.195	30.4	1.466	37.2	1.525	38.7	1.130	28.7	2.35	59.7
22	1.156	29.4	1.215	30.9	1.516	38.5	1.575	40.0	1.280	32.5	2.46	62.5
24	1.186	30.1	1.245	31.6	1.586	40.3	1.645	41.8	1.280	32.5	2.46	62.5

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

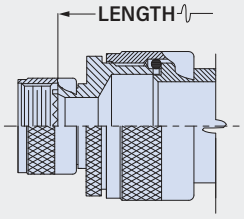
Entry Size	Shrink Boot P/N
01-02	770-003S111
03-05	770-003S103
06-08	770-001S104
09-11	770-001S105
12-14	770-001S106
15	770-001S107
16	770-001S108

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

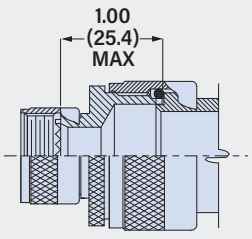
Shell Size	Max Entry Size
08	02
10	04
12	06
14	07
16	09
18	10
20	12
22	14
24	14

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.00 inch.

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REV 04.05.23

Series 31 Shrink Boot Adapters

for AS50151 Crimp Connectors

319AS155 Shrink Boot Adapter, Braid Sock, Composite

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Low profile, corrosion-proof, shielded. 319A*155 shrink boot adapter with braid sock fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has nickel-plated brass follower with braid attached with crimp ring. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot.Glass-filled high performance thermoplastic. Tin-plated copper crimp ring, nickel-plated brass follower.

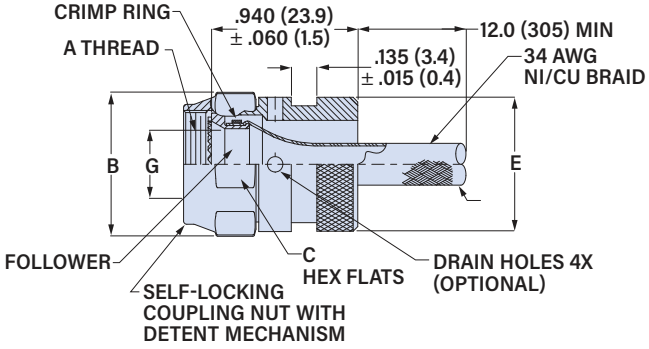
PART NUMBER

	319AS155	XB	16	L-	D	T	R	14

Base P/N	**319AS155**
Finish	**XB** No Finish, Black Color
Shell Size	**08 10 12 14 16 18 20 22 24**
Braid Type	*Omit for 34 AWG nickel-coated copper* **T-** 34 AWG Tin/Copper **A-** AmberStrand® Nickel/Composite **L-** ArmorLite® Nickel/SST
Drain Holes	*Omit if not required* **D** Drain Holes
Shrink Boot	*Omit if not required* **T** Shrink Boot included
Split Ring and Band	*Omit if not required* **R** Split Ring and Band included With Backshell
Braid Length	*Omit for standard 12 inch length* **14** Braid Length in inches

MATERIALS AND FINISHES

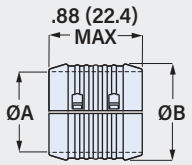
Coupling nut, adapter, split ring: high performance thermoplastic
EMI adapter: brass, electroless nickel plating
Anti-decoupling spring: high performance thermoplastic
Crimp ring: copper alloy, tin plated
Braid:
34 AWG nickel-coated copper (standard)
Code T: 34 AWG tin-coated copper,
Code A: AmberStrand® ultralightweight nickel-coated polymer
Code L: ArmorLite® lightweight microfilament nickel-coated 316L SST



Shell Size	A Thread Class 2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	E Max in	E Max mm	ø G ± .015 (0.4) in	ø G ± .015 (0.4) mm
08	0.500-20 UNF	.86	21.8	.750	19.1	.533	13.5	.265	6.7
10	0.625-24 UNEF	.98	24.9	.875	22.2	.605	15.4	.370	9.4
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.774	19.7	.506	12.9
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.838	21.3	.580	14.7
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.963	24.5	.705	17.9
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	1.042	26.5	.784	19.9
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.217	30.9	.909	23.1
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.355	34.4	1.034	26.3
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.443	36.7	1.140	28.9

SUPPORT RING AND PRE-COILED BAND (R OPTION)

Optional split support ring provides a reliable, low resistance method of splicing braid. Snap split ring over wire bundle, then overlap adapter braid and cable braid. install band around split ring and braid using Band-Master ATS standard banding tool.



687-749 SPLIT RING

Banding Tool

Shell Size	Support Ring Part Number	øA ± .030 (0.8) in	øA ± .030 (0.8) mm	øB ± .030 (0.8) in	øB ± .030 (0.8) mm
08	687-749XB04	.25	6.4	.40	10.2
10	687-749XB06	.38	9.7	.53	13.5
12	687-749XB08	.50	12.7	.65	16.5
14	687-749XB10	.63	16.0	.78	19.8
16	687-749XB12	.75	19.1	.90	22.9
18	687-749XB14	.88	22.4	1.03	26.2
20	687-749XB16	1.00	25.4	1.15	29.2
22	687-749XB18	1.13	28.7	1.28	32.5
24	687-749XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
8-24	601-041	601-100

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Series 31 Shrink Boot Adapters

for AS50151 Solder Connectors

310BS034 Shrink Boot Adapter, Direct Coupling

Adapter Code B

Fits AS50151 Series 1 AN type solder Connectors . AS310*1, MS3100.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Shell Size	Boot Part No.
10S	770-003S103
10SL	770-003S103
12, 12S	770-001S103
14, 14S	770-001S103
16, 16S	770-001S104
18	770-001S104
20	770-001S106
22	770-001S107
24	770-001S107
28	770-001S108
32	770-001S108
36	770-001S108
40	770-001S109

Direct coupling. 310BS034 shrink boot adapter fits AS50151 (MS3100) solder connectors. includes universal thread adapters as required to assure compatibility with all connector manufacturers. Direct coupling, environmental (requires optional shrink boot). Aluminum, silicone O-ring.

PART NUMBER

	310BS034	NF	22	T

Base P/N — 310BS034

Material/Finish

- M Alum/ Electroless Nickel
- MT Alum/ Nickel-PTFE
- NF Alum/ Olive Drab Cadmium
- ZR Alum/ Black Zinc-Nickel
- TZ Alum/ Tin-Zinc
- Z1 SST/ Passivated

Shell Size

Code	Shell Size	Code	Shell Size
05	10S	20	22
08	10SL	21	24
11	12, 12S	22	28
14	14, 14S	23	32
15	16, 16S	26	36
16	18	31	40
17	20		

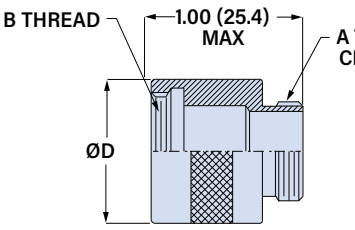
Shrink Boot

Omit if not required

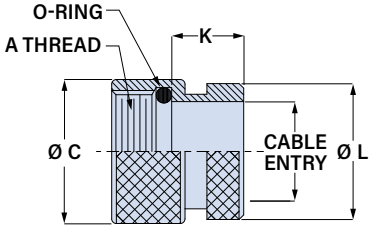
T Shrink Boot included

Connector Manufacturer Code

A Universal — *Compatible with all manufacturers. includes additional thread adapter(s) as necessary to fit multiple manufacturers.*



THREAD ADAPTER
AS REQUIRED- SEE TABLE



MAIN ADAPTER

Shell Size Code	Shell Size	A THD. Main Adapter Class 2B	B THD. Thread Adapter Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm	K Max in	K Max mm	ø L Max in	ø L Max mm	Cable Entry Min in	Cable Entry Min mm
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4	.500	12.7	.803	20.4	.355	9.0
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4	.500	12.7	.803	20.4	.355	9.0
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6	.500	12.7	.938	23.8	.491	12.5
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A	.500	12.7	1.063	27.0	.565	14.4
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A	.500	12.7	1.238	31.4	.690	17.5
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A	.500	12.7	1.310	33.3	.769	19.5
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3	.500	12.7	1.436	36.5	.844	21.4
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A	.500	12.7	1.560	39.6	1.019	25.9
21	24	1.3750-18 UNEF	N/A	1.468	37.3	N/A	N/A	.500	12.7	1.686	42.8	1.134	28.8
22	28	1.6250-18 UNEF	N/A	1.593	40.5	N/A	N/A	.687	17.4	2.062	52.4	1.369	34.8
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4	.687	17.4	2.312	58.7	1.615	41.0
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7	.687	17.4	2.562	65.1	1.830	46.5
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1	.687	17.4	2.812	71.4	2.045	51.9

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Series 31 Shrink Boot Adapters

for MIL-DTL-26482 Series I Connectors

310DS034 Shrink Boot Adapter, Direct Coupling

Adapter Code D

This accessory fits MIL-DTL-26482 Series I connectors

Direct coupling. Low profile. 310DS034 shrink boot adapter fits M26482 Series I connectors. Adapter has groove for lipped shrink boot. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel.

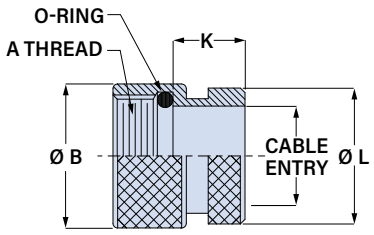
PART NUMBER

	310DS034	NF	14	T
Base P/N	**310DS034**			
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated			
Shell Size	**08 10 12 14 16 18 20 22 24**			
Shrink Boot	*Omit if not required* **T** Shrink Boot included			

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Shell Size	Shrink Boot P/N
08	770-003S102
10	770-003S103
12	770-001S103
14	770-001S103
16	770-001S104
18	770-001S104
20	770-001S106
22	770-001S107
24	770-001S107



Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	K Max in	K Max mm	ø L Max in	ø L Max mm	Cable Entry Min in	Cable Entry Min mm
08	0.4375-28	.59	15.0	.500	12.7	.688	17.5	.250	6.4
10	0.5625-24	.72	18.3	.500	12.7	.803	20.4	.355	9.0
12	0.6875-24	.84	21.3	.500	12.7	.938	23.8	.491	12.5
14	0.8125-20	.97	24.6	.500	12.7	1.063	27.0	.565	14.4
16	0.9375-20	1.09	27.7	.500	12.7	1.238	31.4	.690	17.5
18	1.0625-18	1.22	31.0	.500	12.7	1.310	33.3	.769	19.5
20	1.1875-18	1.34	34.0	.500	12.7	1.436	36.5	.844	21.4
22	1.3125-18	1.47	37.3	.500	12.7	1.560	39.6	1.019	25.9
24	1.4375-18	1.59	40.4	.500	12.7	1.686	42.8	1.134	28.8

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

310F*001 Shrink Boot Adapter, Spin Coupling

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Shell Size	Shrink Boot P/N
08	770-003S102
10	770-003S103
12	770-001S103
14	770-001S103
16	770-001S104
18	770-001S104
20	770-001S106
22	770-001S107
24	770-001S107

Spin coupling. Boot groove. 310F*001 shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Adapter has groove for lipped shrink boot. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

PART NUMBER

	310FS001	M	16	T

Base P/N

Base Part No.		Profile
310FS001	S	Straight
310FH001	H	45°
310FJ001	J	90°

Material/Finish

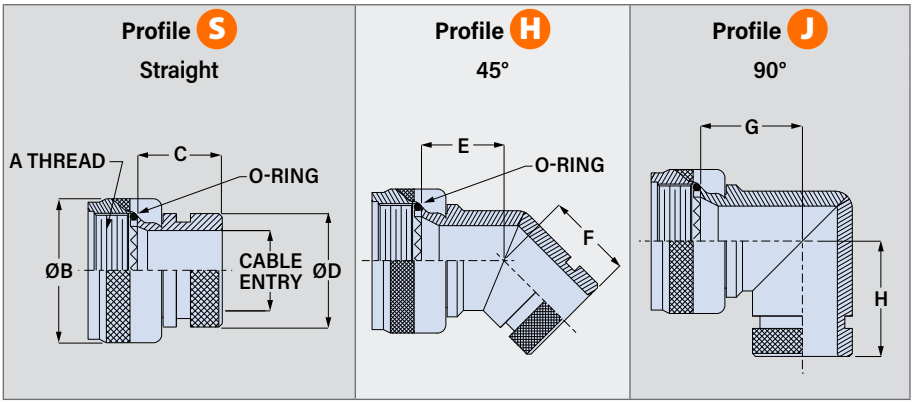
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Shrink Boot

Omit if not required
T Shrink Boot included



Shell Size	A Thread UNEF-2B	øB Max		C Max		ø D Max		E Max		F Max		G Max		H Max		Cable Entry Min	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
8/9	0.4375-28	.650	16.5	.940	23.9	.533	13.5	.639	16.2	.810	20.6	.750	19.1	.920	23.4	.250	6.4
10/11	0.5625-24	.770	19.6	.940	23.9	.605	15.4	.664	16.9	.840	21.3	.810	20.6	.980	24.9	.355	9.0
12/13	0.6875-24	.890	22.6	.940	23.9	.774	19.7	.688	17.5	.860	21.8	.870	22.1	1.040	26.4	.491	12.5
14/15	0.8125-20	1.020	25.9	.940	23.9	.838	21.3	.705	17.9	.890	22.6	.920	23.4	1.110	28.2	.565	14.4
16/17	0.9375-20	1.150	29.2	.940	23.9	.963	24.5	.732	18.6	.910	23.1	.980	24.9	1.170	29.7	.690	17.5
18/19	1.0625-18	1.230	31.2	.940	23.9	1.042	26.5	.748	19.0	.920	23.4	1.020	25.9	1.190	30.2	.769	19.5
20/21	1.1875-18	1.360	34.5	.940	23.9	1.217	30.9	.773	19.6	.940	23.9	1.080	27.4	1.250	31.8	.894	22.7
22/23	1.3125-18	1.480	37.6	.940	23.9	1.355	34.4	.800	20.3	.980	24.9	1.140	29.0	1.330	33.8	1.019	25.9
24/25	1.4375-18	1.730	43.9	.940	23.9	1.443	36.7	.823	20.9	1.010	25.7	1.200	30.5	1.400	35.6	1.134	28.8

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

310FS034 Shrink Boot Adapter, Direct Coupling

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

SHRINK BOOT

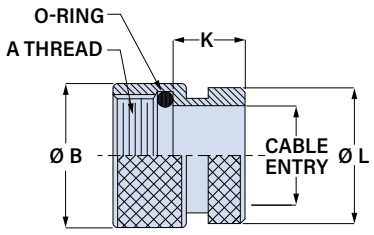
Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Shell Size	Shrink Boot P/N
08	770-001S103
10	770-001S103
12	770-001S104
14	770-001S106
16	770-001S106
18	770-001S107
20	770-001S107
22	770-001S108
24	770-001S108

Direct coupling. Low profile. 310FS034 shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Adapter has groove for lipped shrink boot. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

PART NUMBER 310FS034 | NF | 14 | T

Base P/N	**310FS034**
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated
Shell Size	Shell Size 38999 Series I: 9 11 13 15 17 19 21 23 25 38999 Series II: 8 10 12 14 16 18 20 22 24 Size Code: **08 10 12 14 16 18 20 22 24**
Shrink Boot	*Omit if not required* **T** Shrink Boot included



Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	K Max in	K Max mm	ø L Max in	ø L Max mm	Cable Entry Min in	Cable Entry Min mm
8/9	0.4375-28	.59	15.0	.500	12.7	.688	17.5	.250	6.4
10/11	0.5625-24	.72	18.3	.500	12.7	.803	20.4	.355	9.0
12/13	0.6875-24	.84	21.3	.500	12.7	.938	23.8	.491	12.5
14/15	0.8125-20	.97	24.6	.500	12.7	1.063	27.0	.565	14.4
16/17	0.9375-20	1.09	27.7	.500	12.7	1.238	31.4	.690	17.5
18/19	1.0625-18	1.22	31.0	.500	12.7	1.310	33.3	.769	19.5
20/21	1.1875-18	1.34	34.0	.500	12.7	1.436	36.5	.844	21.4
22/23	1.3125-18	1.47	37.3	.500	12.7	1.560	39.6	1.019	25.9
24/25	1.4375-18	1.59	40.4	.500	12.7	1.686	42.8	1.134	28.8

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

310F*045 Shrink Boot Adapter, Composite

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Corrosion-proof composite material. 310F*045 composite shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Adapter has groove for lipped shrink boot. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Supplied as adapter only or as kit with shrink boot. Glass-filled high performance thermoplastic, silicone O-ring.

PART NUMBER

310FS045	XB	16	D	T

Base P/N

Base Part No.		Profile
310FS045	S	Straight
310FT045	H	45°
310FW045	J	90°

Finish

XB	No Plating (Black Color)
XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XZR	Black Zinc-Nickel

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

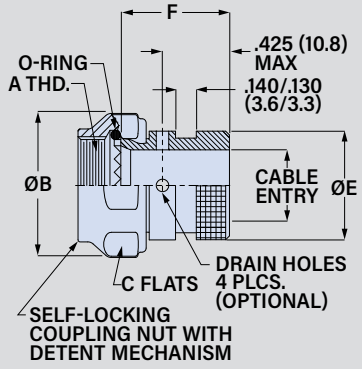
Drain Holes

Omit if not required
D Drain Holes — *O-ring not supplied with drain hole option*

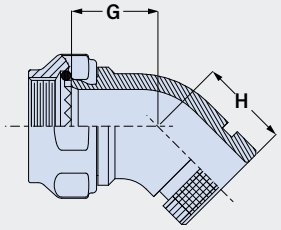
Shrink Boot

Omit if not required
T Shrink Boot included

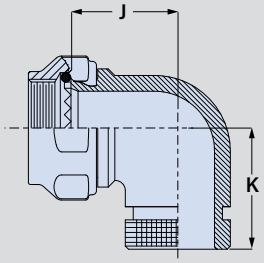
Profile S
Straight



Profile H
45°



Profile J
90°



Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø E Max in	ø E Max mm	F Max in	F Max mm	G Max in	G Max mm	H ± .06(1.5) in	H ± .06(1.5) mm	J Max in	J Max mm	K ± .06(1.5) in	K ± .06(1.5) mm	Cable Entry Min in	Cable Entry Min mm	Shrink Boot P/N
8/9	0.4375-28	.86	21.8	.750	19.1	.533	13.5	.940	23.9	.78	19.8	1.049	26.6	.74	18.8	1.159	29.4	.250	6.4	770-003S102
10/11	0.5625-24	.98	24.9	.875	22.2	.605	15.4	.940	23.9	.81	20.6	1.075	27.4	.80	20.3	1.221	31.0	.355	9.0	770-001S103
12/13	0.6875-24	1.16	29.5	1.000	25.4	.774	19.7	.940	23.9	.81	20.6	1.100	27.9	.86	21.8	1.283	32.6	.491	12.5	770-001S103
14/15	0.8125-20	1.28	32.5	1.125	28.6	.838	21.3	.940	23.9	.82	20.8	1.126	28.6	.93	23.6	1.346	34.2	.565	14.4	770-001S103
16/17	0.9375-20	1.41	35.8	1.250	31.8	.963	24.5	.940	23.9	.84	21.3	1.146	29.1	.99	25.1	1.409	35.8	.690	17.5	770-001S104
18/19	1.0625-18	1.52	38.6	1.375	34.9	1.042	26.5	.940	23.9	.85	21.6	1.165	29.6	1.05	26.7	1.471	37.4	.769	19.5	770-001S104
20/21	1.1875-18	1.64	41.7	1.500	38.1	1.217	30.9	.940	23.9	.88	22.4	1.189	30.2	1.12	28.4	1.533	38.9	.894	22.7	770-001S106
22/23	1.3125-18	1.77	45.0	1.625	41.3	1.355	34.4	.940	23.9	.92	23.4	1.230	31.2	1.18	30.0	1.596	40.5	1.019	25.9	770-001S107
24/25	1.4375-18	1.89	48.0	1.750	44.5	1.443	36.7	.940	23.9	.97	24.6	1.256	31.9	1.24	31.5	1.659	42.1	1.134	28.8	770-001S107

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

310FS055 Shrink Boot Adapter, Pre-installed Boot

Self-Locking

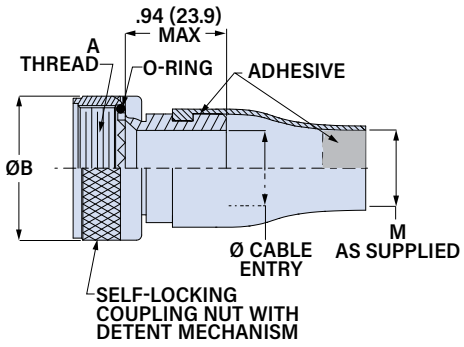
- Pre-installed boot for 50% faster boot installation
- Environmental
- Adhesive lined
- 3 boot material options
- Aluminum or SST adapter

Adapter Code F

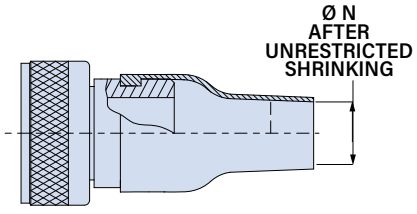
This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Fast installation, environmental, self-locking. 310FS055 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Use with jacketed, unshielded cable. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 U.S. Army approved flexible polyolefin Adapter is aluminum or stainless steel, available in standard mil spec finishes. Silicone O-ring, polyamide adhesive.

As Supplied



After Shrinking



PART NUMBER

	310FS055	NF	16	-2

Base P/N: 310FS055

Material/Finish:

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size:

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Boot Material:

-1	Type 1 High Performance Semi-Rigid Elastomer
-2	Type 2 Zero Halogen Semi-Rigid Polyolefin
-3	Type 3 Flexible Polyolefin

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

Shell Size	A Thread UNEF-2B	ø B Max		ø M Min		ø N Max		Min Cable Entry	
		in	mm	in	mm	in	mm	in	mm
8/9	0.4375-28	.86	21.8	.250	6.4	.197	5.0	.250	6.4
10/11	0.5625-24	.97	24.6	.355	9.0	.197	5.0	.355	9.0
12/13	0.6875-24	1.11	28.2	.491	12.5	.236	6.0	.491	12.5
14/15	0.8125-20	1.21	30.7	.565	14.4	.236	6.0	.565	14.4
16/17	0.9375-20	1.35	34.3	.690	17.5	.276	7.0	.690	17.5
18/19	1.0625-18	1.46	37.1	.769	19.5	.335	8.5	.769	19.5
20/21	1.1875-18	1.60	40.6	.894	22.7	.394	10.0	.894	22.7
22/23	1.3125-18	1.70	43.2	1.019	25.9	.394	10.0	1.019	25.9
24/25	1.4375-18	1.84	46.7	1.134	28.8	.591	15.0	1.134	28.8

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

310FS048 Shrink Boot Adapter, Pre-installed Boot, Composite

Self-Locking

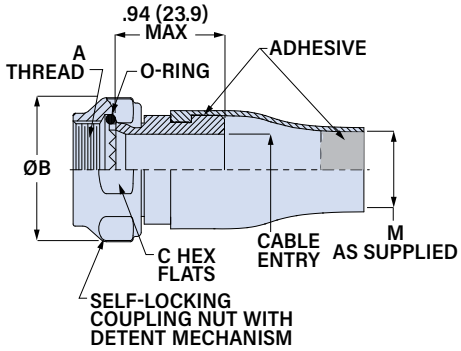
- Pre-installed boot for 50% faster boot installation
- Environmental
- Adhesive lined
- 3 boot material options
- Corrosion-proof composite

Adapter Code F

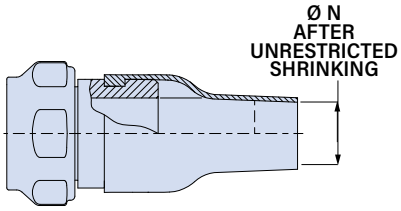
This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Fast installation, environmental, self-locking, corrosion-proof composite. 310FS048 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Use with jacketed, unshielded cable. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Adapter is glass-filled high performance thermoplastic, silicone O-ring.

As Supplied



After Shrinking



PART NUMBER

	310FS048	XB	22	-1

Base P/N	310FS048									
Finish	XB No Plating, Black									
Shell Size	Shell Size									
	38999 Series I	9	11	13	15	17	19	21	23	25
	38999 Series II	8	10	12	14	16	18	20	22	24
	Size Code	08	10	12	14	16	18	20	22	24
Boot Material	-1 Type 1 High Performance Semi-Rigid Elastomer									
	-2 Type 2 Zero Halogen Semi-Rigid Polyolefin									
	-3 Type 3 Flexible Polyolefin									

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

Shell Size	A Thread UNEF-2B	ø B Max		C Hex Flats		ø M Min		ø N Max		Min Cable Entry	
		in	mm	in	mm	in	mm	in	mm	in	mm
8/9	0.4375-28	.86	21.8	.750	19.1	.250	6.4	.197	5.0	.250	6.4
10/11	0.5625-24	.98	24.9	.875	22.2	.355	9.0	.197	5.0	.355	9.0
12/13	0.6875-24	1.16	29.5	1.000	25.4	.491	12.5	.236	6.0	.491	12.5
14/15	0.8125-20	1.28	32.5	1.125	28.6	.565	14.4	.236	6.0	.565	14.4
16/17	0.9375-20	1.41	35.8	1.250	31.8	.690	17.5	.276	7.0	.690	17.5
18/19	1.0625-18	1.52	38.6	1.375	34.9	.769	19.5	.335	8.5	.769	19.5
20/21	1.1875-18	1.64	41.7	1.500	38.1	.894	22.7	.394	10.0	.894	22.7
22/23	1.3125-18	1.77	45.0	1.625	41.3	1.019	25.9	.394	10.0	1.019	25.9
24/25	1.4375-18	1.89	48.0	1.750	44.5	1.134	28.8	.591	15.0	1.134	28.8

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

310F*058 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter

Self-Locking

- Pre-installed boot
- 50% faster installation
- Environmental
- Adhesive lined boot
- 3 material options
- "Drop-in" EMI banding adapter

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Fast installation, shielded, environmental, self-locking. 310F*058 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Use with jacketed, shielded cable. Terminate cable overbraid to EMI banding adapter with optional stainless steel microband. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin. Backshell, coupling nut and drop-in banding adapter are aluminum. Silicone O-ring, polyamide hot melt adhesive.

FIG. 1: NFS PLATING

Banding Adapter with selective NFS plating finish

BAND

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

PART NUMBER

	310FS058	**NF**	**16**	**-2**	**K**

Base P/N

Base Part No.		Profile
310FS058	S	Straight
310FA058	A	90° Boot
310FB058	B	45° Boot

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
NFS	Alum/ Olive Drab Cadmium, Selective *(fig. 1)*
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Boot Material

-1	Type 1 High Performance Semi-Rigid Elastomer
-2	Type 2 Zero Halogen Semi-Rigid Polyolefin
-3	Type 3 Flexible Polyolefin

Band

Omit if not required

K	Pre-Coiled MicroBand included With Backshell

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

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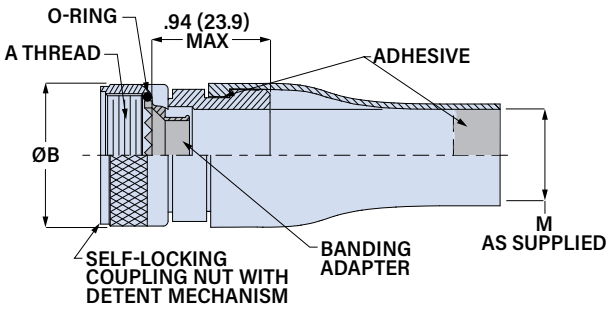
Series 31 Shrink Boot Adapters

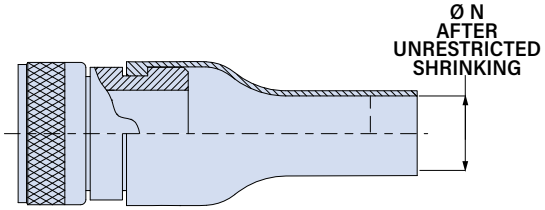
for MIL-DTL-38999 Series I and II Connectors

310F*058 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter

As Supplied

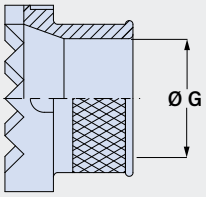


After Shrinking



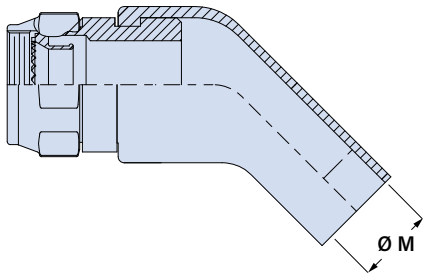
Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	ø M Min in	ø M Min mm	ø N Max in	ø N Max mm
8/9	0.4375-28	.86	21.8	.250	6.4	.197	5.0
10/11	0.5625-24	.97	24.6	.355	9.0	.197	5.0
12/13	0.6875-24	1.11	28.2	.491	12.5	.236	6.0
14/15	0.8125-20	1.21	30.7	.565	14.4	.236	6.0
16/17	0.9375-20	1.35	34.3	.690	17.5	.276	7.0
18/19	1.0625-18	1.46	37.1	.769	19.5	.335	8.5
20/21	1.1875-18	1.60	40.6	.894	22.7	.394	10.0
22/23	1.3125-18	1.70	43.2	1.019	25.9	.394	10.0
24/25	1.4375-18	1.84	46.7	1.134	28.8	.591	15.0

BANDING ADAPTER

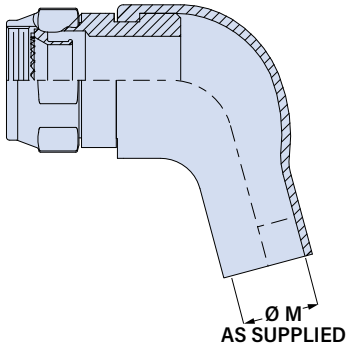


Shell Size	G Dia. ± .015 (0.4) in	G Dia. ± .015 (0.4) mm
08	.138	3.5
10	.248	6.3
12	.374	9.5
14	.455	11.6
16	.577	14.7
18	.672	17.1
20	.797	20.2
22	.922	23.4
24	1.047	26.6

45°



90°



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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

310F*057 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter, Composite

Self-Locking

- Pre-installed boot
- 50% faster installation
- Environmental
- Adhesive lined boot
- Corrosion-proof composite material
- EMI banding adapter

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

FIG. 1: NFS PLATING

Banding Adapter with selective NFS plating finish

BAND

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

Fast installation, shielded, environmental, self-locking. 310F*057 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Use with jacketed, shielded cable. Terminate cable overbraid to EMI banding adapter with optional stainless steel microband. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Coupling nut and adapter body are PEI thermoplastic. EMI adapter is brass. Silicone O-ring, polyamide hot melt adhesive.

PART NUMBER

310FS057	BM	18	-1	K

Base P/N

Base Part No.		Profile
310FS057	S	Straight
310FA057	A	90° Boot
310FB057	B	45° Boot

EMI Adapter Finish

- **BM** Electroless Nickel
- **BMT** Nickel-PTFE
- **BNS** Olive Drab Cadmium, Selective *(fig. 1)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Boot Material

- **-1** Type 1 High Performance Semi-Rigid Elastomer
- **-2** Type 2 Zero Halogen Semi-Rigid Polyolefin
- **-3** Type 3 Flexible Polyolefin

Band

Omit if not required

- **K** Pre-Coiled MicroBand included With Backshell

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

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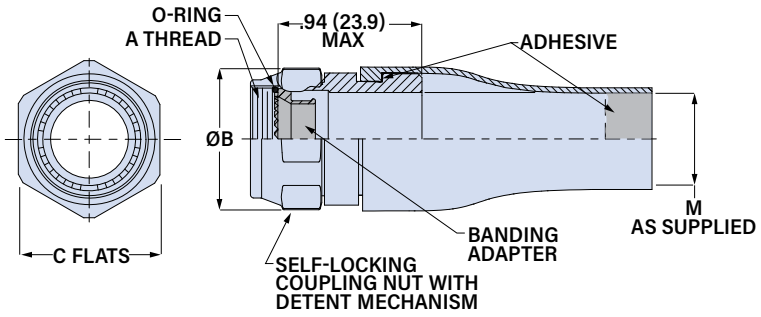
Series 31 Shrink Boot Adapters

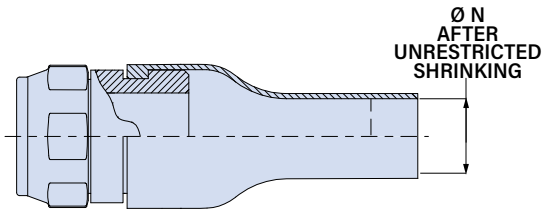
for MIL-DTL-38999 Series I and II Connectors

310F*057 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter, Composite

As Supplied

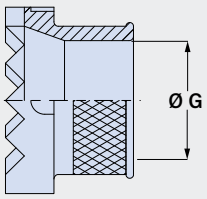


After Shrinking



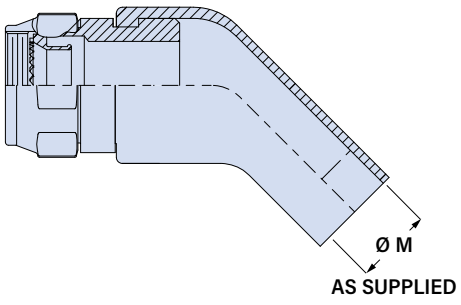
Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø M Min in	ø M Min mm	ø N Max in	ø N Max mm
08	0.4375-28	.86	21.8	.750	19.1	.250	6.4	.197	5.0
10	0.5625-24	.98	24.9	.875	22.2	.355	9.0	.197	5.0
12	0.6875-24	1.16	29.5	1.000	25.4	.491	12.5	.236	6.0
14	0.8125-20	1.28	32.5	1.125	28.6	.565	14.4	.236	6.0
16	0.9375-20	1.41	35.8	1.250	31.8	.690	17.5	.276	7.0
18	1.0625-18	1.52	38.6	1.375	34.9	.769	19.5	.335	8.5
20	1.1875-18	1.64	41.7	1.500	38.1	.894	22.7	.394	10.0
22	1.3125-18	1.77	45.0	1.625	41.3	1.019	25.9	.394	10.0
24	1.4375-18	1.89	48.0	1.750	44.5	1.134	28.8	.591	15.0

BANDING ADAPTER

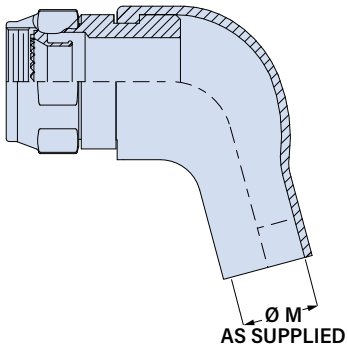


Shell Size	G Dia. ±.015 (0.4) in	G Dia. ±.015 (0.4) mm
08	.140	3.6
10	.270	6.9
12	.390	9.9
14	.512	13.0
16	.637	16.2
18	.757	19.2
20	.881	22.4
22	1.006	25.6
24	1.131	28.7

45°



90°



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Series 31 Shrink Boot Adapters

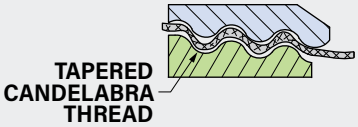
for MIL-DTL-38999 Series I and II Connectors

311F*001 Shrink Boot Adapter, Braid Trap

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

BRAID TRAP



Shielded. Variable entry size. 311F*001 shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Adapter has candelabra-style tapered thread to captivate shield braid under nut. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

PART NUMBER

	311FS001	M	16	05	T

Base P/N

Base Part No.		Profile
311FS001	S	Straight
311FH001	H	45°
311FJ001	J	90°

Material/ Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

Shrink Boot — *Omit if not required*

T Shrink Boot included

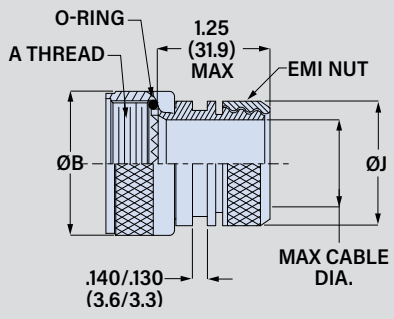
TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	Max Cable Dia. in	Max Cable Dia. mm	J Max in	J Max mm
02	08-24	.250	6.4	.515	13.1
03	10-24	.375	9.5	.640	16.3
04	12-24	.500	12.7	.765	19.4
05	14-24	.625	15.9	.920	23.4
06	16-24	.750	19.1	1.015	25.8
07	18-24	.875	22.2	1.140	29.0
08	20-24	1.000	25.4	1.265	32.1
09	22-24	1.125	28.6	1.432	36.4
10	24	1.250	31.8	1.515	38.5

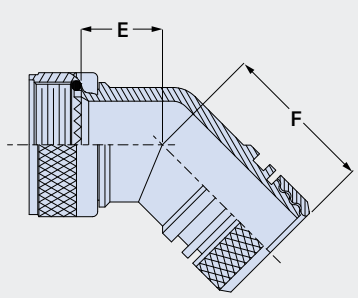
** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	Max Entry Size*
8/9	0.4375-28	.650	16.5	.830	21.1	1.045	26.5	.940	23.9	1.155	29.3	02
10/11	0.5625-24	.770	19.6	.860	21.8	1.075	27.3	1.010	25.7	1.225	31.1	03
12/13	0.6875-24	.890	22.6	.882	22.4	1.097	27.9	1.070	27.2	1.285	32.6	04
14/15	0.8125-20	1.020	25.9	.900	22.9	1.125	28.6	1.130	28.7	1.345	34.2	05
16/17	0.9375-20	1.150	29.2	.930	23.6	1.145	29.1	1.190	30.2	1.405	35.7	06
18/19	1.0625-18	1.230	31.2	.950	24.1	1.165	29.6	1.240	31.5	1.455	37.0	07
20/21	1.1875-18	1.360	34.5	.980	24.9	1.195	30.4	1.310	33.3	1.525	38.7	08
22/23	1.3125-18	1.480	37.6	1.000	25.4	1.215	30.9	1.360	34.5	1.575	40.0	09
24/25	1.4375-18	1.730	43.9	1.030	26.2	1.245	31.6	1.430	36.3	1.645	41.8	10

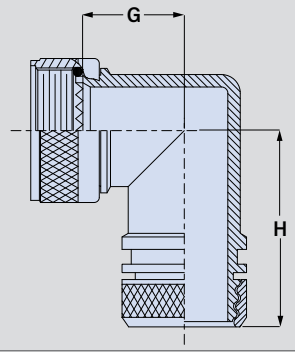
Profile S Straight



Profile H 45°



Profile J 90°



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Dimensions in Inches (millimeters) are subject to change without notice.

Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

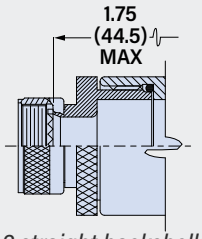
311F*001 Shrink Boot Adapter, Braid Trap

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

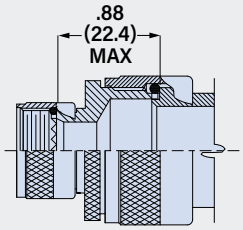
Shell Size	Max Entry Size
08	02
10	03
12	04
14	05
16	06
18	07
20	08
22	09
24	10

Style 2 Straight Backshell



For Style 2 straight backshells, the front adapter adds ½ inch to the length.

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Entry Size	Shrink Boot P/N
02	770-001S103
03	770-001S103
04	770-001S104
05	770-001S104
06	770-001S105
07	770-001S106
08	770-001S106
09	770-001S107
10	770-001S107

Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

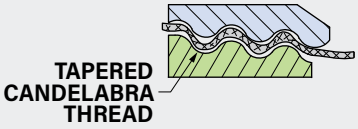
311F*039 Shrink Boot Adapter, Braid Trap, Self-Locking

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

BRAID TRAP



Shielded. Variable entry size. 311F*039 shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Adapter has candelabra-style tapered thread to captivate shield braid under nut. install optional lipped shrink boot over nut for environmental protection. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

PART NUMBER

	311FS039	M	16	05	T

Base P/N

Base Part No.		Profile
311FS039	S	Straight
311FH039	H	45°
311FJ039	J	90°

Material/ Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

Shrink Boot — *Omit if not required*

T	Shrink Boot included

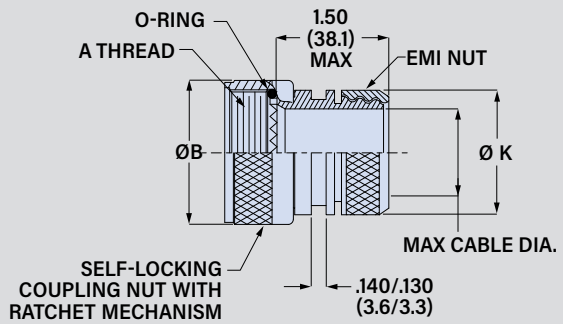
TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	Max Cable Dia. in	Max Cable Dia. mm	K Max in	K Max mm
02	08-24	.250	6.4	.515	13.1
03	10-24	.375	9.5	.640	16.3
04	12-24	.500	12.7	.765	19.4
05	14-24	.625	15.9	.920	23.4
06	16-24	.750	19.1	1.015	25.8
07	20-24	.875	22.2	1.140	29.0
08	22-24	1.000	25.4	1.265	32.1
09	24	1.125	28.6	1.432	36.4

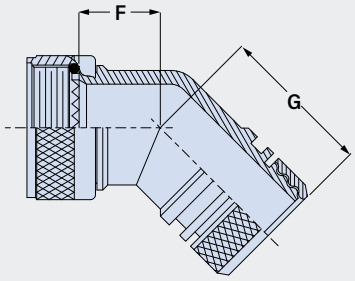
** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	Max Entry Size*
8/9	0.4375-28	.86	21.8	.795	20.2	1.045	26.5	.906	23.0	1.155	29.3	02
10/11	0.5625-24	.97	24.6	.820	20.8	1.075	27.3	.966	24.5	1.225	31.1	03
12/13	0.6875-24	1.11	28.2	.844	21.4	1.097	27.9	1.026	26.1	1.285	32.6	04
14/15	0.8125-20	1.21	30.7	.861	21.9	1.125	28.6	1.076	27.3	1.345	34.2	05
16/17	0.9375-20	1.35	34.3	.888	22.6	1.145	29.1	1.136	28.9	1.405	35.7	06
18/19	1.0625-18	1.46	37.1	.904	23.0	1.165	29.6	1.176	29.9	1.455	37.0	06
20/21	1.1875-18	1.60	40.6	.929	23.6	1.195	30.4	1.236	31.4	1.525	38.7	07
22/23	1.3125-18	1.70	43.2	.956	24.3	1.215	30.9	1.296	32.9	1.575	40.0	08
24/25	1.4375-18	1.84	46.7	.979	24.9	1.245	31.6	1.356	34.4	1.645	41.8	09

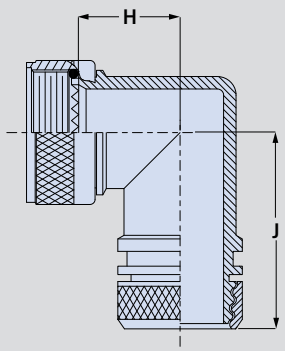
Profile S Straight



Profile H 45°



Profile J 90°



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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

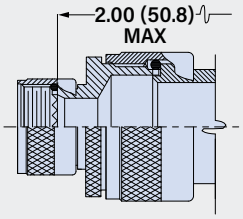
311F*039 Shrink Boot Adapter, Braid Trap, Self-Locking

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

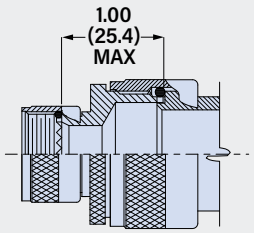
Shell Size	Max Entry Size	Shell Size	Max Entry Size
08	02	18	06
10	03	20	07
12	04	22	08
14	05	24	09
16	06		

Style 2 Straight Backshell



For Style 2 straight backshells, the front adapter adds ½ inch to the length.

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.00 inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Entry Size	Shrink Boot P/N
02	770-003S112
03	770-003S103
04	770-003S103
05	770-003S104
06	770-003S104
07	770-003S105
08	770-003S106
09	770-003S107

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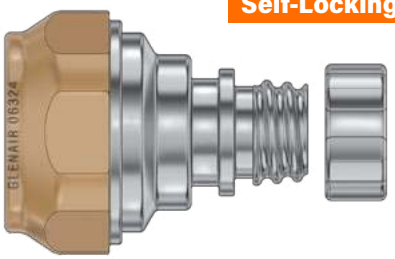
Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

311F*019 Shrink Boot Adapter, Braid Trap, Composite



Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

BRAID TRAP

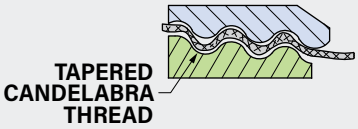


TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes	K Entry Dia. ± .030 (0.8) in	K Entry Dia. ± .030 (0.8) mm	L ± .06 (1.5) in	L ± .06 (1.5) mm
02	08-24	.250	6.4	.52	13.2
03	10-24	.375	9.5	.64	16.3
04	12-24	.500	12.7	.77	19.6
05	14-24	.625	15.9	.92	23.4
06	16-24	.750	19.1	1.02	25.9
07	18-24	.810	20.6	1.14	29.0
08	20-24	.940	23.9	1.27	32.3
09	22-24	1.060	26.9	1.43	36.3
10	24	1.190	30.2	1.52	38.6

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Entry Size	Shrink Boot P/N
02	770-003S112
03	770-003S103
04	770-003S103
05	770-003S104
06	770-003S104
07	770-003S105
08	770-003S106
09	770-003S107
10	770-003S107

Corrosion-proof composite material. 311F*019 composite shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Adapter has candelabra-style tapered thread to captivate shield braid under nut. install optional lipped shrink boot over nut for environmental protection. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Supplied as adapter only or as kit with shrink boot. Glass-filled high performance thermoplastic, silicone O-ring.

PART NUMBER

	311FS019	XM	20	06	T

Base P/N

Base Part No.		Profile
311FS019	S	Straight
311FT019	T	45°
311FW019	W	90°

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XZR	Black Zinc-Nickel

Coupling nut is natural amber color, unplated

Shell Size

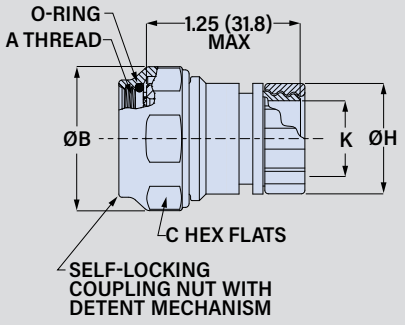
	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

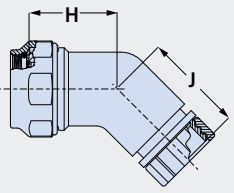
Shrink Boot

Omit if not required
T Shrink Boot included

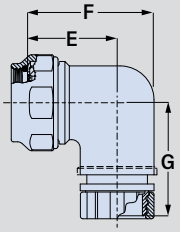
Profile S Straight



Profile T 45°



Profile W 90°



Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø E ± .06(1.5) in	ø E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	H ± .06(1.5) in	H ± .06(1.5) mm	J ± .09(2.3) in	J ± .09(2.3) mm	Max Entry Size
8/9	0.4375-28	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.19	30.2	.72	18.3	1.00	25.4	02
10/11	0.5625-24	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.25	31.8	.75	19.1	1.06	26.9	03
12/13	0.6875-24	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.31	33.3	.75	19.1	1.13	28.7	04
14/15	0.8125-20	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	.76	19.3	1.16	29.5	05
16/17	0.9375-20	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	.78	19.8	1.18	30.0	06
18/19	1.0625-18	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	.79	20.1	1.19	30.2	07
20/21	1.1875-18	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.82	20.8	1.22	31.0	08
22/23	1.3125-18	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	.86	21.8	1.26	32.0	09
24/25	1.4375-18	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.89	22.6	1.29	32.8	10

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

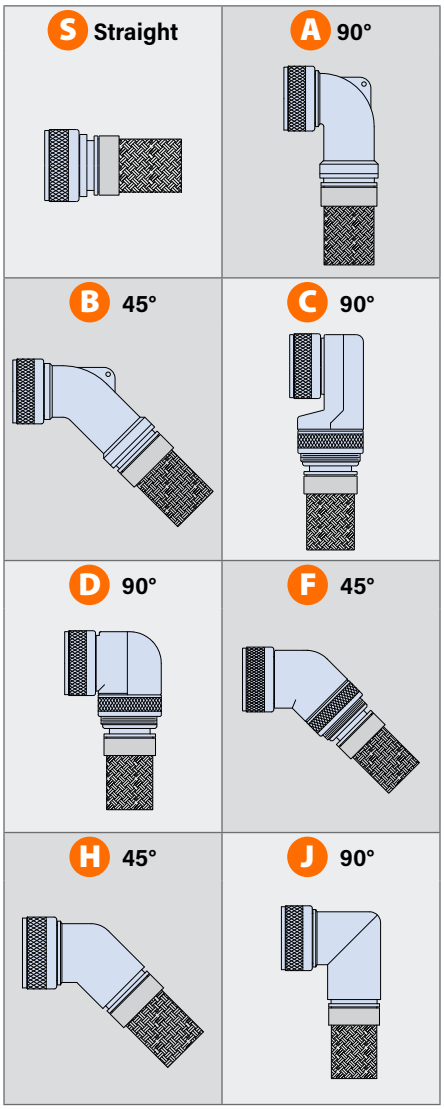
319F*001 Shrink Boot Adapter, Braid Sock

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Braid Sock. 319F*001 shrink boot adapter with braid sock fits MIL-DTL-38999 Series I and II connectors. Adapter has braid attached with crimp ring. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel. Tin-plated copper crimp ring. Braid is 36 AWG tinned copper per A-A-59569.

PROFILE SELECTION GUIDE



PART NUMBER

	319FS001	NF	10	04	-6	T

Base P/N

Base Part No.	Profile
319FS001	S Straight
319FA001	A 90° Elbow
319FB001	B 45° Elbow
319FC001	C 90° Low Prof.
319FD001	D 90° Split
319FF001	F 45° Split
319FH001	H 45° Cut/Weld
319FJ001	J 90° Cut/Weld

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

Size	Cable Entry ± .015 (0.4)	Shell Sizes*	Size	Cable Entry ± .015 (0.4)	Shell Sizes*
01	.188 (4.8)	08-24	10	.750 (19.1)	16-24
02	.250 (6.4)	08-24	11	.812 (20.6)	18-24
03	.312 (7.9)	10-24	12	.875 (22.2)	20-24
04	.375 (9.5)	10-24	13	.938 (23.8)	20-24
05	.438 (11.1)	12-24	14	1.000 (25.4)	22-24
06	.500 (12.7)	12-24	22	1.062 (27.0)	22-24
07	.562 (14.3)	14-24	19	1.125 (28.6)	22-24
08	.625 (15.9)	14-24	23	1.188 (30.2)	24
09	.688 (17.5)	16-24	15	1.250 (31.8)	*

** If selected entry size exceeds shell size range, a **Style 2** transition a)dapter will be included.See **Maximum Entry Size** for details. ⚠ Profile C entry size cannot exceed shell size range listed in table.*

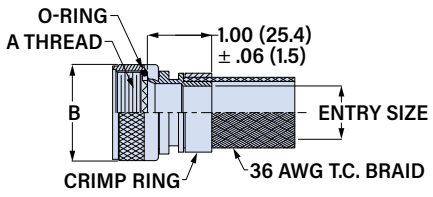
Braid Length

Braid length in inches, 4 inch minimum.

Shrink Boot

Omit if not required

T	Shrink Boot included



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.650	16.5
10/11	0.5625-24	.770	19.6
12/13	0.6875-24	.890	22.6
14/15	0.8125-20	1.020	25.9
16/17	0.9375-20	1.150	29.2
18/19	1.0625-18	1.230	31.2
20/21	1.1875-18	1.360	34.5
22/23	1.3125-18	1.480	37.6
24/25	1.4375-18	1.730	43.9

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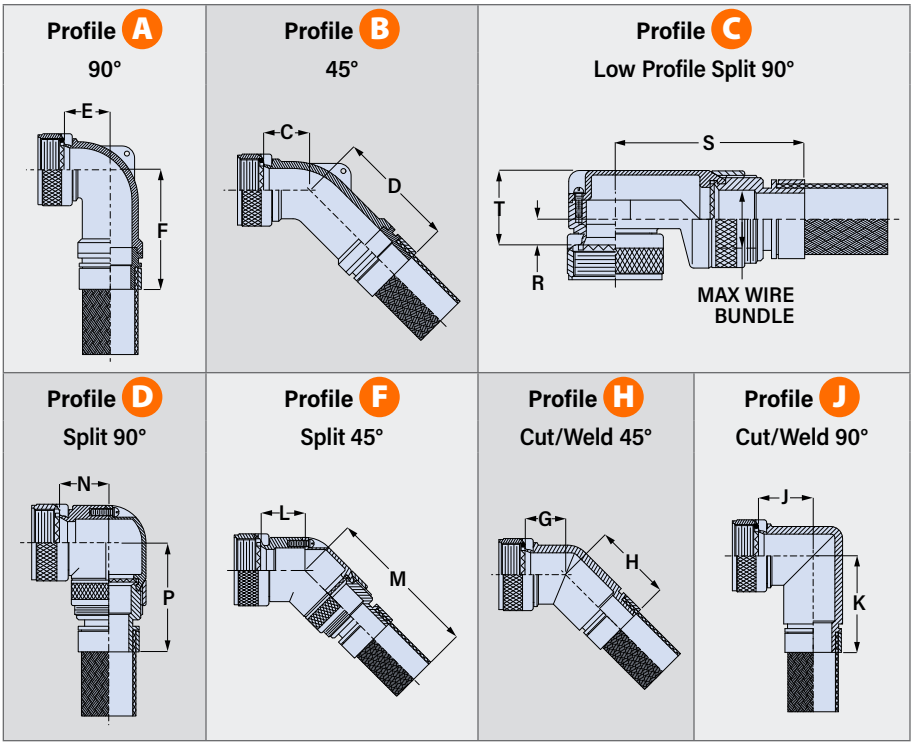
Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

319F*001 Shrink Boot Adapter, Braid Sock



Shell Size	C Max in	C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm
08	.457	11.6	1.71	43.4	.500	12.7	1.730	43.9	.830	21.1	1.045	26.5	.940	23.9	1.155	29.3
10	.520	13.2	1.77	45.0	.595	15.1	1.850	47.0	.860	21.8	1.075	27.3	1.010	25.7	1.225	31.1
12	.582	14.8	1.83	46.5	.610	15.5	1.870	47.5	.882	22.4	1.097	27.9	1.070	27.2	1.285	32.6
14	.645	16.4	1.92	48.8	.700	17.8	1.940	49.3	.900	22.9	1.125	28.6	1.130	28.7	1.345	34.2
16	.738	18.7	2.03	51.6	.885	22.5	2.030	51.6	.930	23.6	1.145	29.1	1.190	30.2	1.405	35.7
18	.926	23.5	2.22	56.4	.975	24.8	2.200	55.9	.950	24.1	1.165	29.6	1.240	31.5	1.455	37.0
20	.926	23.5	2.22	56.4	.975	24.8	2.200	55.9	.980	24.9	1.195	30.4	1.310	33.3	1.525	38.7
22	1.020	25.9	2.37	60.2	1.125	28.6	2.310	58.7	1.000	25.4	1.215	30.9	1.360	34.5	1.575	40.0
24	1.020	25.9	2.37	60.2	1.125	28.6	2.310	58.7	1.030	26.2	1.245	31.6	1.430	36.3	1.645	41.8

Shell Size	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Ref in	R Ref mm	S Max in	S Max mm	T Max in	T Max mm	Max Wire Bundle in	Max Wire Bundle mm
08	.440	11.2	1.500	38.1	.680	17.3	1.440	36.6	.340	8.6	1.780	45.2	.681	17.3	.250	6.4
10	.500	12.7	1.560	39.6	.750	19.1	1.500	38.1	.270	6.9	1.940	49.3	.731	18.6	.375	9.5
12	.560	14.2	1.630	41.4	.810	20.6	1.570	39.9	.270	6.9	1.940	49.3	.731	18.6	.375	9.5
14	.620	15.7	1.660	42.2	.870	22.1	1.600	40.6	.280	7.1	2.010	51.1	.831	21.1	.500	12.7
16	.680	17.3	1.760	44.7	.930	23.6	1.700	43.2	.420	10.7	2.060	52.3	.981	24.9	.625	15.9
18	.750	19.1	1.820	46.2	1.000	25.4	1.760	44.7	.640	16.3	2.090	53.1	1.181	30.0	.625	15.9
20	.820	20.8	1.880	47.8	1.060	26.9	1.820	46.2	.640	16.3	2.090	53.1	1.181	30.0	.625	15.9
22	.880	22.4	1.940	49.3	1.120	28.4	1.880	47.8	.540	13.7	2.240	56.9	1.181	30.0	.750	19.1
24	.940	23.9	2.000	50.8	1.180	30.3	1.940	49.3	.540	13.7	2.240	56.9	1.181	30.0	.750	19.1

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

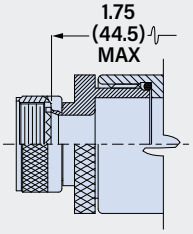
Entry Size	Shrink Boot P/N
01-02	770-003S111
03-05	770-001S103
06-08	770-001S104
09-11	770-001S105
12-14	770-001S106
15	770-001S107
16-17	770-001S108
18	770-001S109
19-20	770-001S107
21	770-001S108
22	770-001S106
23	770-001S107

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

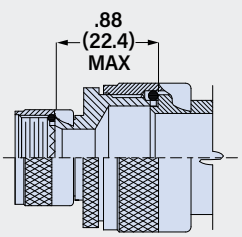
Shell Size	Max Entry Size	Shell Size	Max Entry Size
08	02	18	11
10	04	20	13
12	06	22	19
14	08	24	23
16	10		

Style 2 Straight Backshell



For Style 2 straight backshells, the front adapter adds ½ inch to the length.

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inch.

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

319F*044 Shrink Boot Adapter, Braid Sock, Self-Locking

Self-Locking

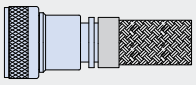
Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

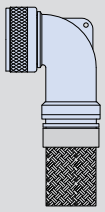
Braid Sock. 319F*044 shrink boot adapter with braid sock fits MIL-DTL-38999 Series I and II connectors. Adapter has braid attached with crimp ring. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring. Tin-plated copper crimp ring. Braid is 36 AWG tinned copper per A-A-59569.

PROFILE SELECTION GUIDE

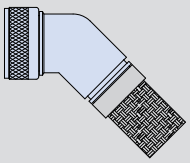
S Straight



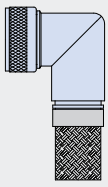
A 90°



H 45°



J 90°



Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	Max Entry Size*
8/9	0.4375-28	.86	21.8	02
10/11	0.5625-24	.97	24.6	04
12/13	0.6875-24	1.11	28.2	06
14/15	0.8125-20	1.21	30.7	08
16/17	0.9375-20	1.35	34.3	10
18/19	1.0625-18	1.46	37.1	11
20/21	1.1875-18	1.60	40.6	13
22/23	1.3125-18	1.70	43.2	14
24/25	1.4375-18	1.84	46.7	14

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** on next page.*

PART NUMBER

	319FS044	M	16	08	-6	-4	T

Base P/N

Base Part No.	Profile
319FS044	S Straight
319FA044	A 90° Elbow
319FH044	H 45° Cut/Weld
319FJ044	J 90° Cut/Weld

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

Size	Cable Entry ± .015 (0.4)	Shell Sizes*	Size	Cable Entry ± .015 (0.4)	Shell Sizes*
01	.188 (4.8)	08-24	09	.688 (17.5)	16-24
02	.250 (6.4)	08-24	10	.750 (19.1)	16-24
03	.312 (7.9)	10-24	11	.812 (20.6)	18-24
04	.375 (9.5)	10-24	12	.875 (22.2)	20-24
05	.438 (11.1)	12-24	13	.938 (23.8)	20-24
06	.500 (12.7)	12-24	14	1.000 (25.4)	22-24
07	.562 (14.3)	14-24	15	1.250 (31.8)	-
08	.625 (15.9)	14-24	16	1.500 (38.1)	-

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size**.*

Braid Length

Braid length in one inch increments, 6 inch minimum.

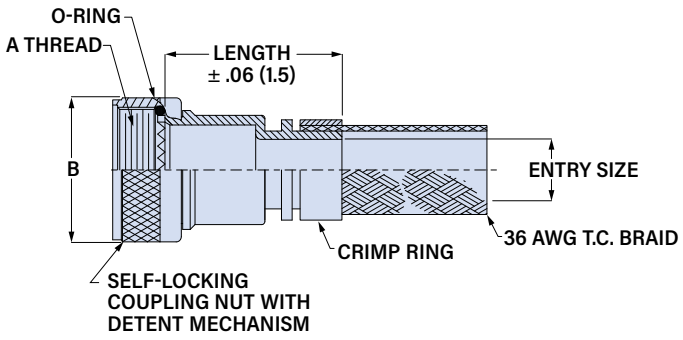
Length

3	1.5 inches	*Applies to Profile S only.*
4	2.0 inches	*If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.*
5	2.5 inches	

Shrink Boot

Omit if not required

T	Shrink Boot included



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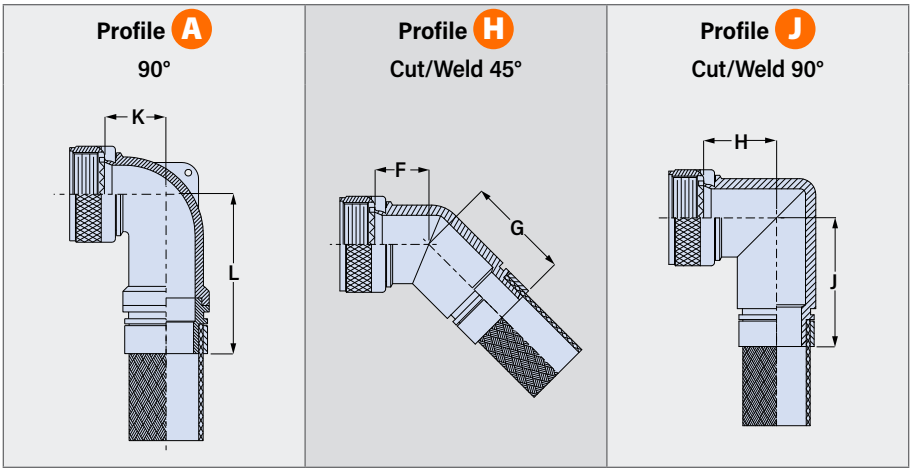
Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

319F*044 Shrink Boot Adapter, Braid Sock, Self-Locking



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm
8/9	.986	25.0	1.045	26.5	1.096	27.8	1.155	29.3	.655	16.6	1.88	47.8
10/11	1.016	25.8	1.075	27.3	1.166	29.6	1.225	31.1	.750	19.1	2.00	50.8
12/13	1.038	26.4	1.097	27.9	1.226	31.1	1.285	32.6	.765	19.4	2.02	51.3
14/15	1.056	26.8	1.125	28.6	1.286	32.7	1.345	34.2	.855	21.7	2.09	53.1
16/17	1.066	27.1	1.145	29.1	1.346	34.2	1.405	35.7	1.040	26.4	2.18	55.4
18/19	1.106	28.1	1.165	29.6	1.396	35.5	1.455	37.0	1.130	28.7	2.35	59.7
20/21	1.136	28.9	1.195	30.4	1.466	37.2	1.525	38.7	1.130	28.7	2.35	59.7
22/23	1.156	29.4	1.215	30.9	1.516	38.5	1.575	40.0	1.280	32.5	2.46	62.5
24/25	1.186	30.1	1.245	31.6	1.586	40.3	1.645	41.8	1.280	32.5	2.46	62.5

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

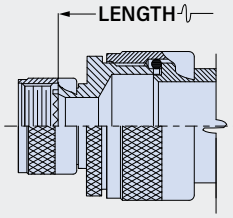
Entry Size	Shrink Boot P/N
01-02	770-003S111
03-05	770-001S103
06-08	770-001S104
09-11	770-001S105
12-14	770-001S106
15	770-001S107
16	770-001S108

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

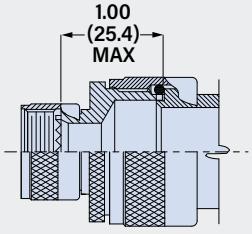
Shell Size	Max Entry Size
08	02
10	04
12	06
14	08
16	10
18	11
20	13
22	14
24	14

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.00 inch.

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series I and II Connectors

319FS155 Shrink Boot Adapter, Braid Sock, Composite

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Low profile, corrosion-proof, shielded. 319F*155 shrink boot adapter with braid sock fits MIL-DTL-38999 Series I and II connectors. Adapter has 12 inches of shield braid attached to nickel-plated brass follower. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit. Glass-filled high performance thermoplastic. Tin-plated copper crimp ring, nickel-plated brass follower, silicone O-ring.

MATERIAL AND FINISH

Coupling nut, adapter, split ring: high performance thermoplastic
EMI adapter: brass, electroless nickel plating
Anti-decoupling spring: high performance thermoplastic
O-ring: silicone
Crimp ring: copper alloy, tin plated
Braid:
34 AWG nickel-coated copper (standard)
Code T: 34 AWG tin-coated copper,
Code A: AmberStrand® ultralightweight nickel-coated polymer
Code L: ArmorLite® lightweight microfilament nickel-coated 316L SST

PART NUMBER

	319FS155	XB	16	L-	D	T	R	14

Base P/N — **319FS155**

Finish — **XB** No Finish, Black Color

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

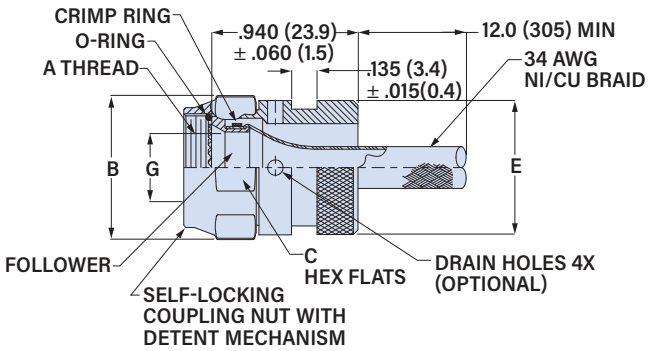
Braid Type
Omit for 34 AWG nickel-coated copper
T- 34 AWG Tin/Copper
A- AmberStrand® Nickel/Composite
L- ArmorLite® Nickel/SST

Drain Holes
Omit if not required
D Drain Holes

Shrink Boot
Omit if not required
T Shrink Boot included

Split Ring and Band
Omit if not required
R Split Ring and Band included With Backshell

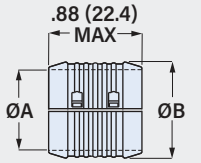
Braid Length
Omit for standard 12 inch length
14 Braid Length in one inch increments, 4 inch minimum



Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	E Max in	E Max mm	ø G ± .015 (0.4) in	ø G ± .015 (0.4) mm
8/9	0.4375-28	.86	21.8	.750	19.1	.533	13.5	.265	6.7
10/11	0.5625-24	.98	24.9	.875	22.2	.605	15.4	.370	9.4
12/13	0.6875-24	1.16	29.5	1.000	25.4	.774	19.7	.506	12.9
14/15	0.8125-20	1.28	32.5	1.125	28.6	.838	21.3	.580	14.7
16/17	0.9375-20	1.41	35.8	1.250	31.8	.963	24.5	.705	17.9
18/19	1.0625-18	1.52	38.6	1.375	34.9	1.042	26.5	.784	19.9
20/21	1.1875-18	1.64	41.7	1.500	38.1	1.217	30.9	.907	23.0
22/23	1.3125-18	1.77	45.0	1.625	41.3	1.355	34.4	1.034	26.3
24/25	1.4375-18	1.89	48.0	1.750	44.5	1.443	36.7	1.140	28.9

SUPPORT RING AND PRE-COILED BAND (R OPTION)

Optional split support ring provides a reliable, low resistance method of splicing braid. Snap split ring over wire bundle, then overlap adapter braid and cable braid. install band around split ring and braid using Band-Master ATS standard banding tool.



687-749 SPLIT RING

Banding Tool

Shell Size	Support Ring Part Number	øA ± .030 (0.8) in	øA ± .030 (0.8) mm	øB ± .030 (0.8) in	øB ± .030 (0.8) mm
08	687-749XB04	.25	6.4	.40	10.2
10	687-749XB06	.38	9.7	.53	13.5
12	687-749XB08	.50	12.7	.65	16.5
14	687-749XB10	.63	16.0	.78	19.8
16	687-749XB12	.75	19.1	.90	22.9
18	687-749XB14	.88	22.4	1.03	26.2
20	687-749XB16	1.00	25.4	1.15	29.2
22	687-749XB18	1.13	28.7	1.28	32.5
24	687-749XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
8-24	601-041	601-100

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

310H*001 Shrink Boot Adapter, Spin Coupling

Spin coupling. Boot groove. 310H*001 shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Adapter has groove for lipped shrink boot. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Shell Size	Shrink Boot P/N
9 (A)	770-003S102
11 (B)	770-003S103
13 (C)	770-001S103
15 (D)	770-001S103
17 (E)	770-001S104
19 (F)	770-001S104
21 (G)	770-001S106
23 (H)	770-001S107
25 (J)	770-001S107

PART NUMBER

310HS001	M	17	T

Base P/N

Base Part No.		Profile
310HS001	S	Straight
310HH001	H	45°
310HJ001	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

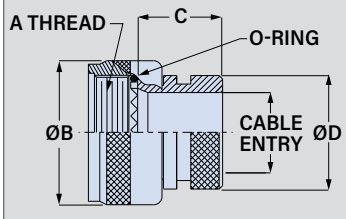
Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Shrink Boot

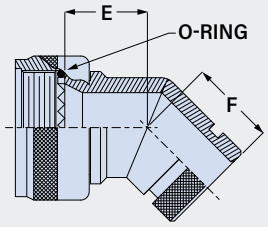
Omit if not required

T Shrink Boot included

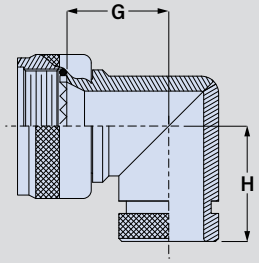
Profile S Straight



Profile H 45°



Profile J 90°



Shell Size	A Thread	øB Max in	øB Max mm	C Max in	C Max mm	ø D Max in	ø D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	Cable Entry Min in	Cable Entry Min mm
9 (A)	M12X1.0-6H	.770	19.6	.940	23.9	.533	13.5	.639	16.2	.810	20.6	.750	19.1	.920	23.4	.250	6.4
11 (B)	M15X1.0-6H	.840	21.3	.940	23.9	.605	15.4	.664	16.9	.840	21.3	.810	20.6	.980	24.9	.355	9.0
13 (C)	M18X1.0-6H	.960	24.4	.940	23.9	.774	19.7	.688	17.5	.860	21.8	.870	22.1	1.040	26.4	.491	12.5
15 (D)	M22X1.0-6H	1.090	27.7	.940	23.9	.838	21.3	.705	17.9	.890	22.6	.920	23.4	1.110	28.2	.565	14.4
17 (E)	M25X1.0-6H	1.230	31.2	.940	23.9	.963	24.5	.732	18.6	.910	23.1	.980	24.9	1.170	29.7	.690	17.5
19 (F)	M28X1.0-6H	1.360	34.5	.940	23.9	1.042	26.5	.748	19.0	.920	23.4	1.020	25.9	1.190	30.2	.769	19.5
21 (G)	M31X1.0-6H	1.480	37.6	.940	23.9	1.217	30.9	.773	19.6	.940	23.9	1.080	27.4	1.250	31.8	.894	22.7
23 (H)	M34X1.0-6H	1.600	40.6	.940	23.9	1.355	34.4	.800	20.3	.980	24.9	1.140	29.0	1.330	33.8	1.019	25.9
25 (J)	M37X1.0-6H	1.720	43.7	.940	23.9	1.443	36.7	.823	20.9	1.010	25.7	1.200	30.5	1.400	35.6	1.134	28.8

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

310HS034 Shrink Boot Adapter, Direct Coupling

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Shell Size	Shrink Boot P/N
9 (A)	770-001S103
11 (B)	770-001S103
13 (C)	770-001S104
15 (D)	770-001S106
17 (E)	770-001S106
19 (F)	770-001S107
21 (G)	770-001S107
23 (H)	770-001S108
25 (J)	770-001S108

Direct coupling. Low profile. 310HS034 shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Adapter has groove for lipped shrink boot. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

PART NUMBER

	310HS034	NF	17	T

Base P/N — 310HS034

Material/Finish

- **M** Alum/ Electroless Nickel
- **MT** Alum/ Nickel-PTFE
- **NF** Alum/ Olive Drab Cadmium
- **ZR** Alum/ Black Zinc-Nickel
- **TZ** Alum/ Tin-Zinc
- **Z1** SST/ Passivated

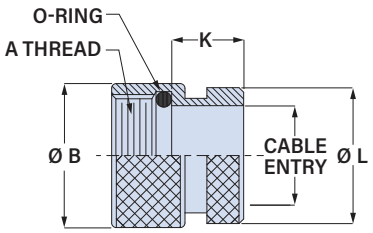
Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Shrink Boot

Omit if not required

- **T** Shrink Boot included



Shell Size	A Thread	ø B Max in	ø B Max mm	K Max in	K Max mm	ø L Max in	ø L Max mm	Cable Entry Min in	Cable Entry Min mm
9 (A)	M12X1.0-6H	.65	16.5	.500	12.7	.688	17.5	.250	6.4
11 (B)	M15X1.0-6H	.77	19.6	.500	12.7	.803	20.4	.355	9.0
13 (C)	M18X1.0-6H	.89	22.6	.500	12.7	.938	23.8	.491	12.5
15 (D)	M22X1.0-6H	1.03	26.2	.500	12.7	1.063	27.0	.565	14.4
17 (E)	M25X1.0-6H	1.15	29.2	.500	12.7	1.238	31.4	.690	17.5
19 (F)	M28X1.0-6H	1.28	32.5	.500	12.7	1.310	33.3	.769	19.5
21 (G)	M31X1.0-6H	1.41	35.8	.500	12.7	1.436	36.5	.844	21.4
23 (H)	M34X1.0-6H	1.53	38.9	.500	12.7	1.560	39.6	1.019	25.9
25 (J)	M37X1.0-6H	1.66	42.2	.500	12.7	1.686	42.8	1.134	28.8

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Rev. 03.13.24

Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

310H*045 Shrink Boot Adapter, Composite

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Corrosion-proof composite material. 310H*045 composite shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Adapter has groove for lipped shrink boot. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Supplied as adapter only or as kit with shrink boot. Glass-filled high performance thermoplastic, silicone O-ring.

PART NUMBER

310HS045	XB	17	D	T

Base P/N

Base Part No.		Profile
310HS045	S	Straight
310HT045	H	45°
310HW045	J	90°

Finish

XB	No Plating (Black Color)
XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XZR	Black Zinc-Nickel

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

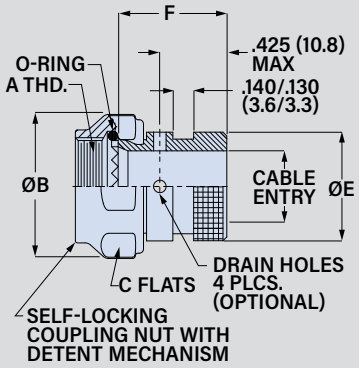
Drain Holes

Omit if not required
D Drain Holes — *O-ring not supplied with drain hole option*

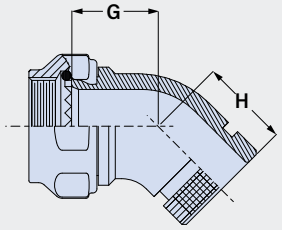
Shrink Boot

Omit if not required
T Shrink Boot included

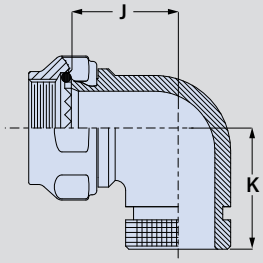
Profile S
Straight



Profile H
45°



Profile J
90°



Shell Size	A Thread	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø E Max in	ø E Max mm	F Max in	F Max mm	G Max in	G Max mm	H ±.06(1.5) in	H ±.06(1.5) mm	J Max in	J Max mm	K ±.06(1.5) in	K ±.06(1.5) mm	Cable Entry Min in	Cable Entry Min mm	Shrink Boot P/N
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	.533	13.5	.940	23.9	.78	19.8	1.049	26.6	.74	18.8	1.159	29.4	.250	6.4	770-003S102
11 (B)	M15X1.0-6H	.98	24.9	.875	22.2	.605	15.4	.940	23.9	.81	20.6	1.075	27.4	.80	20.3	1.221	31.0	.355	9.0	770-001S103
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	.774	19.7	.940	23.9	.81	20.6	1.100	27.9	.86	21.8	1.283	32.6	.491	12.5	770-001S103
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	.838	21.3	.940	23.9	.82	20.8	1.126	28.6	.93	23.6	1.346	34.2	.565	14.4	770-001S103
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	.963	24.5	.940	23.9	.84	21.3	1.146	29.1	.99	25.1	1.409	35.8	.690	17.5	770-001S104
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	1.042	26.5	.940	23.9	.85	21.6	1.165	29.6	1.05	26.7	1.471	37.4	.769	19.5	770-001S104
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.217	30.9	.940	23.9	.88	22.4	1.189	30.2	1.12	28.4	1.533	38.9	.894	22.7	770-001S106
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.355	34.4	.940	23.9	.92	23.4	1.230	31.2	1.18	30.0	1.596	40.5	1.019	25.9	770-001S107
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.443	36.7	.940	23.9	.97	24.6	1.256	31.9	1.24	31.5	1.659	42.1	1.134	28.8	770-001S107

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

310HS055 Shrink Boot Adapter, Pre-installed Boot

Self-Locking

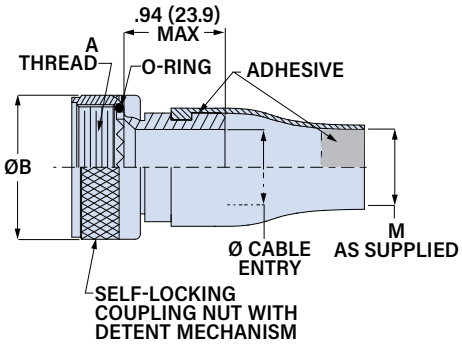
- Pre-installed boot for 50% faster boot installation
- Environmental
- Adhesive lined
- 3 boot material options
- Aluminum or SST adapter

Adapter Code H

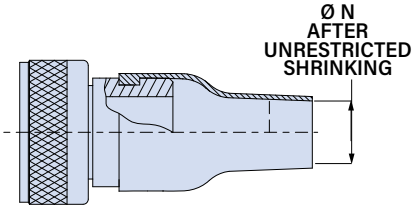
This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Fast installation, environmental, self-locking. 310HS055 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Use with jacketed, unshielded cable. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 U.S. Army approved flexible polyolefin Adapter is aluminum or stainless steel, available in standard mil spec finishes. Silicone O-ring, polyamide adhesive.

As Supplied



After Shrinking



PART NUMBER

	310HS055	NF	17	-2

Base P/N — 310HS055

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Boot Material

-1	Type 1 High Performance Semi-Rigid Elastomer
-2	Type 2 Zero Halogen Semi-Rigid Polyolefin
-3	Type 3 Flexible Polyolefin

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

Shell Size	A Thread	øB Max in	øB Max mm	ø M Min in	ø M Min mm	ø N Max in	ø N Max mm	Min Cable Entry in	Min Cable Entry mm
9 (A)	M12X1.0-6H	.94	24.8	.250	6.4	.197	5.0	.250	6.4
11 (B)	M15X1.0-6H	1.06	26.9	.355	9.0	.197	5.0	.355	9.0
13 (C)	M18X1.0-6H	1.17	29.7	.491	12.5	.236	6.0	.491	12.5
15 (D)	M22X1.0-6H	1.29	32.7	.565	14.4	.236	6.0	.565	14.4
17 (E)	M25X1.0-6H	1.42	36.1	.690	17.5	.276	7.0	.690	17.5
19 (F)	M28X1.0-6H	1.54	39.1	.769	19.5	.335	8.5	.769	19.5
21 (G)	M31X1.0-6H	1.67	42.4	.894	22.7	.394	10.0	.894	22.7
23 (H)	M34X1.0-6H	2.01	51.1	1.019	25.9	.394	10.0	1.019	25.9
25 (J)	M37X1.0-6H	2.12	53.8	1.134	28.8	.591	15.0	1.134	28.8

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

310HS048 Shrink Boot Adapter, Pre-installed Boot, Composite

Self-Locking

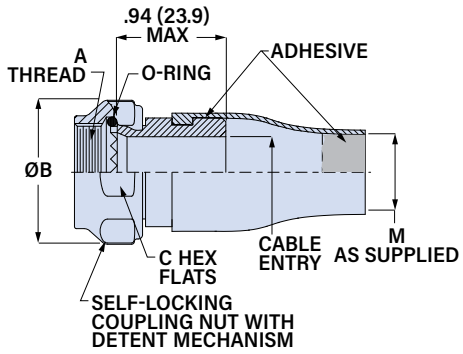
- Pre-installed boot for 50% faster boot installation
- Environmental
- Adhesive lined
- 3 boot material options
- Corrosion-proof composite

Adapter Code H

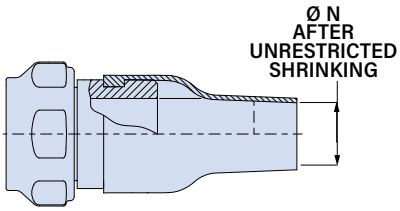
This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Fast installation, environmental, self-locking, corrosion-proof composite. 310HS048 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Use with jacketed, unshielded cable. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Adapter is glass-filled high performance thermoplastic, silicone O-ring.

As Supplied



After Shrinking



PART NUMBER

	310HS048	XB	23	-1

Base P/N	310HS048									
Finish	XB No Plating, Black									
Shell Size	Shell Size	9	11	13	15	17	19	21	23	25
		A	B	C	D	E	F	G	H	J
	Size Code	09	11	13	15	17	19	21	23	25
Boot Material	-1 Type 1 High Performance Semi-Rigid Elastomer									
	-2 Type 2 Zero Halogen Semi-Rigid Polyolefin									
	-3 Type 3 Flexible Polyolefin									

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

Shell Size	A Thread	ø B Max		C Hex Flats		ø M Min		ø N Max		Min Cable Entry	
		in	mm	in	mm	in	mm	in	mm	in	mm
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	.250	6.4	.197	5.0	.250	6.4
11 (B)	M15X1.0-6H	.98	24.9	.875	22.2	.355	9.0	.197	5.0	.355	9.0
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	.491	12.5	.236	6.0	.491	12.5
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	.565	14.4	.236	6.0	.565	14.4
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	.690	17.5	.276	7.0	.690	17.5
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	.769	19.5	.335	8.5	.769	19.5
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	.894	22.7	.394	10.0	.894	22.7
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.019	25.9	.394	10.0	1.019	25.9
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.134	28.8	.591	15.0	1.134	28.8

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

310H*058 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter

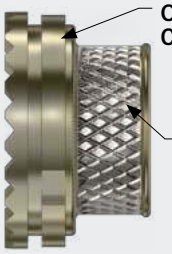
Self-Locking

- Pre-installed boot
- 50% faster installation
- Environmental
- Adhesive lined boot
- 3 material options
- "Drop-in" EMI banding adapter

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

FIG. 1: NFS PLATING



Banding Adapter with selective NFS plating finish

BAND

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

Fast installation, shielded, environmental, self-locking. 310H*058 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Use with jacketed, shielded cable. Terminate cable overbraid to EMI banding adapter with optional stainless steel microband. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Backshell, coupling nut and drop-in banding adapter are aluminum. Silicone O-ring, polyamide hot melt adhesive.

PART NUMBER

	310HS058	NF	17	-2	K

Base P/N

Base Part No.		Profile
310HS058	S	Straight
310HA058	A	90° Boot
310HB058	B	45° Boot

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
NFS	Alum/ Olive Drab Cadmium, Selective *(fig. 1)*
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Boot Material

-1	Type 1 High Performance Semi-Rigid Elastomer
-2	Type 2 Zero Halogen Semi-Rigid Polyolefin
-3	Type 3 Flexible Polyolefin

Band

Omit if not required

K	Pre-Coiled MicroBand included With Backshell

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

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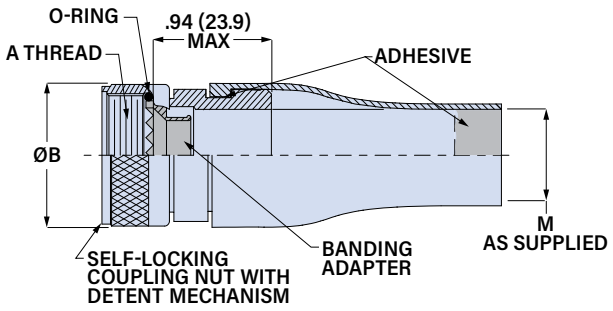
Series 31 Shrink Boot Adapters

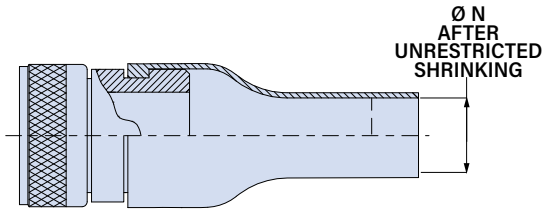
for MIL-DTL-38999 Series III and IV Connectors

310H*058 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter

As Supplied

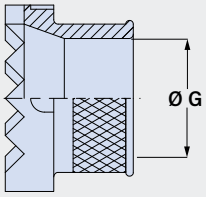


After Shrinking



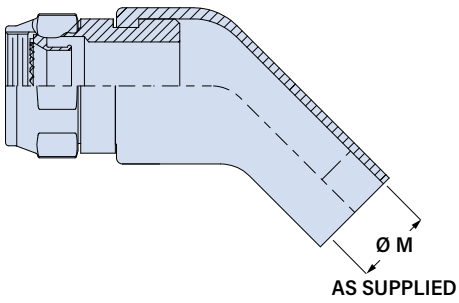
Shell Size	A Thread	øB Max in	øB Max mm	ø M Min in	ø M Min mm	ø N Max in	ø N Max mm
9 (A)	M12X1.0-6H	.94	24.8	.250	6.4	.197	5.0
11 (B)	M15X1.0-6H	1.06	26.9	.355	9.0	.197	5.0
13 (C)	M18X1.0-6H	1.17	29.7	.491	12.5	.236	6.0
15 (D)	M22X1.0-6H	1.29	32.7	.565	14.4	.236	6.0
17 (E)	M25X1.0-6H	1.42	36.1	.690	17.5	.276	7.0
19 (F)	M28X1.0-6H	1.54	39.1	.769	19.5	.335	8.5
21 (G)	M31X1.0-6H	1.67	42.4	.894	22.7	.394	10.0
23 (H)	M34X1.0-6H	2.01	51.1	1.019	25.9	.394	10.0
25 (J)	M37X1.0-6H	2.12	53.8	1.134	28.8	.591	15.0

BANDING ADAPTER

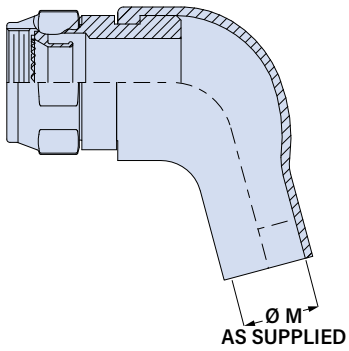


Shell Size	G Dia. ± .015 (0.4) in	G Dia. ± .015 (0.4) mm
9 (A)	.160	4.1
11 (B)	.270	6.9
13 (C)	.390	9.9
15 (D)	.512	13.0
17 (E)	.627	15.9
19 (F)	.747	19.0
21 (G)	.891	22.6
23 (H)	.996	25.3
25 (J)	1.121	28.5

45°



90°



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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

310H*057 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter, Composite

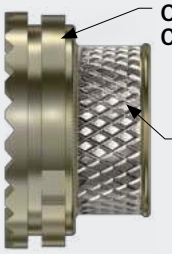
Self-Locking

- Pre-installed boot
- 50% faster installation
- Environmental
- Adhesive lined boot
- Corrosion-proof composite material
- EMI banding adapter

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

FIG. 1: NFS PLATING



Banding Adapter with selective NFS plating finish

BAND

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

Fast installation, shielded, environmental, self-locking. 310H*057 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Use with jacketed, shielded cable. Terminate cable overbraid to EMI banding adapter with optional stainless steel microband. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Coupling nut and adapter body are PEI thermoplastic. EMI adapter is brass. Silicone O-ring, polyamide hot melt adhesive.

PART NUMBER

310HS057 | BM | 19 | -1 | K

Base P/N

Base Part No.		Profile
310HS057	S	Straight
310HA057	A	90° Boot
310HB057	B	45° Boot

EMI Adapter Finish

- **BM** Electroless Nickel
- **BMT** Nickel-PTFE
- **BNS** Olive Drab Cadmium, Selective *(fig. 1)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Boot Material

- **-1** Type 1 High Performance Semi-Rigid Elastomer
- **-2** Type 2 Zero Halogen Semi-Rigid Polyolefin
- **-3** Type 3 Flexible Polyolefin

Band

Omit if not required
- **K** Pre-Coiled MicroBand included With Backshell

SHRINK BOOT MATERIAL SELECTION GUIDE

	Type 1 High Performance	Type 2 Zero Halogen	Type 3 General Purpose
Material	Semi-Rigid Elastomer	Semi-Rigid Polyolefin	Flexible Polyolefin
Resistance to Fuels, Oils	Excellent	Very Good	Good
Adhesive Type	W1 Hot Melt	W1 Hot Melt	W2 Hot Melt
Continuous Operating Temp.	-55 to +125 °C	-55 to +125 °C	-55 to +70 °C
Low Smoke/Zero Halogen	No	Yes	No
SAE Material Type	AS5258 Type H	AS5258 Type G	AS81765/1 Type 1

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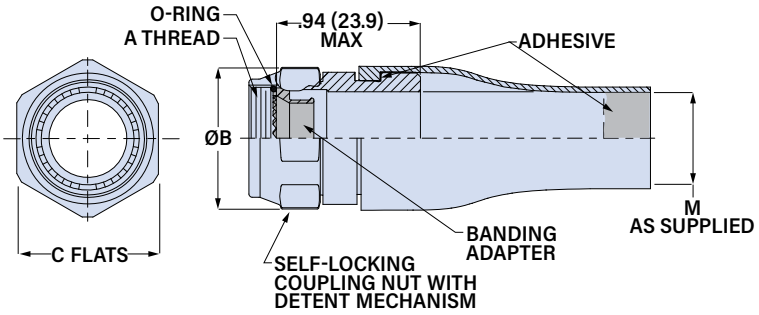
Series 31 Shrink Boot Adapters

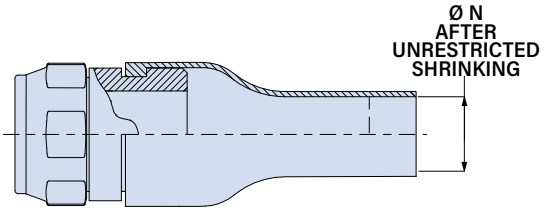
for MIL-DTL-38999 Series III and IV Connectors

310H*057 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter, Composite

As Supplied

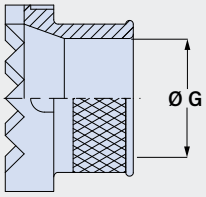


After Shrinking



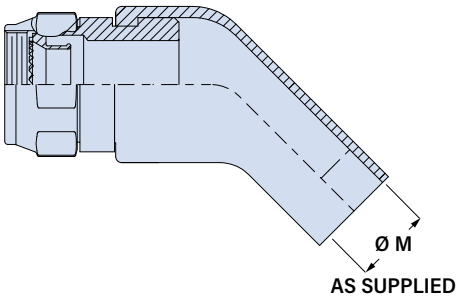
Shell Size	A Thread	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø M Min in	ø M Min mm	ø N Max in	ø N Max mm
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	.250	6.4	.197	5.0
11 (B)	M15X1.0-6H	.98	24.9	.875	22.2	.355	9.0	.197	5.0
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	.491	12.5	.236	6.0
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	.565	14.4	.236	6.0
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	.690	17.5	.276	7.0
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	.769	19.5	.335	8.5
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	.894	22.7	.394	10.0
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.019	25.9	.394	10.0
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.134	28.8	.591	15.0

BANDING ADAPTER

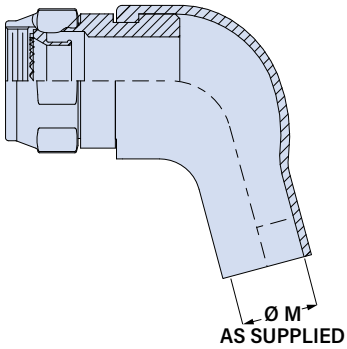


Shell Size	G Dia. ± .015 (0.4) in	G Dia. ± .015 (0.4) mm
9 (A)	.140	3.6
11 (B)	.270	6.9
13 (C)	.390	9.9
15 (D)	.512	13.0
17 (E)	.637	16.2
19 (F)	.757	19.2
21 (G)	.881	22.4
23 (H)	1.006	25.6
25 (J)	1.131	28.7

45°



90°



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Series 31 Shrink Boot Adapters

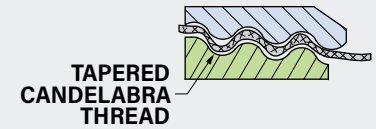
for MIL-DTL-38999 Series III and IV Connectors

311H*001 Shrink Boot Adapter, Braid Trap

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

BRAID TRAP



Shielded. Variable entry size. 311H*001 shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Adapter has candelabra-style tapered thread to captivate shield braid under nut. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

PART NUMBER

	311HS001	M	17	05	T

Base P/N

Base Part No.		Profile
311HS001	S	Straight
311HH001	H	45°
311HJ001	J	90°

Material/ Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size — *See Table 1*

Shrink Boot — *Omit if not required*
T Shrink Boot included

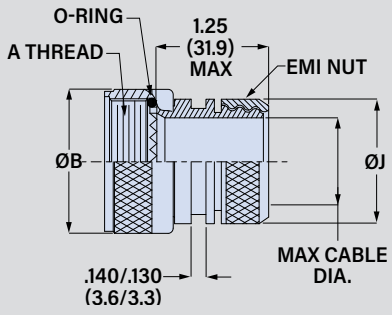
TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	Max Cable Dia. in	Max Cable Dia. mm	J Max in	J Max mm
02	09-25	.250	6.4	.515	13.1
03	11-25	.375	9.5	.640	16.3
04	13-25	.500	12.7	.765	19.4
05	15-25	.625	15.9	.920	23.4
06	17-25	.750	19.1	1.015	25.8
07	19-25	.875	22.2	1.140	29.0
08	21-25	1.000	25.4	1.265	32.1
09	23-25	1.125	28.6	1.432	36.4
10	25	1.250	31.8	1.515	38.5

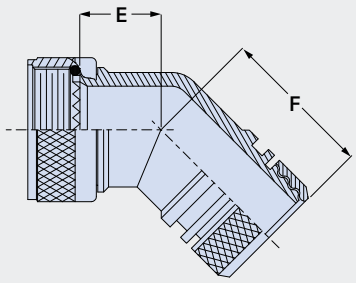
** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Shell Size	A Thread	øB Max in	øB Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	Max Entry Size*
9 (A)	M12X1.0-6H	.770	19.6	.830	21.1	1.045	26.5	.940	23.9	1.155	29.3	02
11 (B)	M15X1.0-6H	.840	21.3	.860	21.8	1.075	27.3	1.010	25.7	1.225	31.1	03
13 (C)	M18X1.0-6H	.960	24.4	.882	22.4	1.097	27.9	1.070	27.2	1.285	32.6	04
15 (D)	M22X1.0-6H	1.090	27.7	.900	22.9	1.125	28.6	1.130	28.7	1.345	34.2	05
17 (E)	M25X1.0-6H	1.230	31.2	.930	23.6	1.145	29.1	1.190	30.2	1.405	35.7	06
19 (F)	M28X1.0-6H	1.360	34.5	.950	24.1	1.165	29.6	1.240	31.5	1.455	37.0	07
21 (G)	M31X1.0-6H	1.480	37.6	.980	24.9	1.195	30.4	1.310	33.3	1.525	38.7	08
23 (H)	M34X1.0-6H	1.600	40.6	1.000	25.4	1.215	30.9	1.360	34.5	1.575	40.0	09
25 (J)	M37X1.0-6H	1.720	43.7	1.030	26.2	1.245	31.6	1.430	36.3	1.645	41.8	10

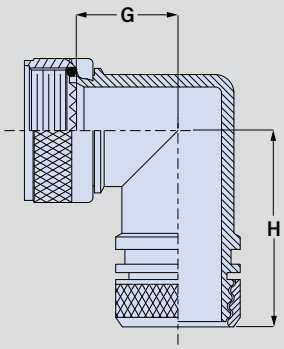
Profile S Straight



Profile H 45°



Profile J 90°



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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

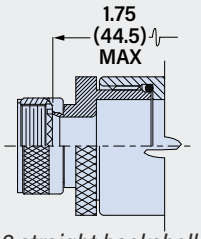
311H*001 Shrink Boot Adapter, Braid Trap

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

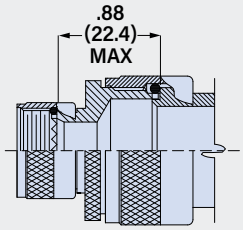
Shell Size	Max Entry Size
09	02
11	03
13	04
15	05
17	06
19	07
21	08
23	09
25	10

Style 2 Straight Backshell



For Style 2 straight backshells, the front adapter adds ½ inch to the length.

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Entry Size	Shrink Boot P/N
02	770-001S103
03	770-001S103
04	770-001S104
05	770-001S104
06	770-001S105
07	770-001S106
08	770-001S106
09	770-001S107
10	770-001S107

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

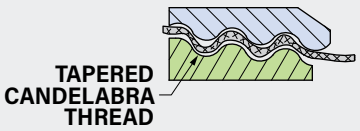
311H*039 Shrink Boot Adapter, Braid Trap, Self-Locking

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

BRAID TRAP



Shielded. Variable entry size. 311H*039 shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Adapter has candelabra-style tapered thread to captivate shield braid under nut. install optional lipped shrink boot over nut for environmental protection. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

PART NUMBER

	311HS039	M	17	05	T

Base P/N

Base Part No.		Profile
311HS039	S	Straight
311HH039	H	45°
311HJ039	J	90°

Material/ Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size — *See Table 1*

Shrink Boot — *Omit if not required*

T Shrink Boot included

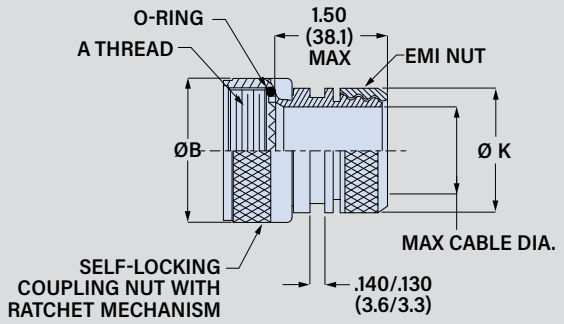
TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	Max Cable Dia. in	Max Cable Dia. mm	K Max in	K Max mm
02	09-25	.250	6.4	.515	13.1
03	11-25	.375	9.5	.640	16.3
04	13-25	.500	12.7	.765	19.4
05	15-25	.625	15.9	.920	23.4
06	17-25	.750	19.1	1.015	25.8
07	21-25	.875	22.2	1.140	29.0
08	23-25	1.000	25.4	1.265	32.1
09	25	1.125	28.6	1.432	36.4

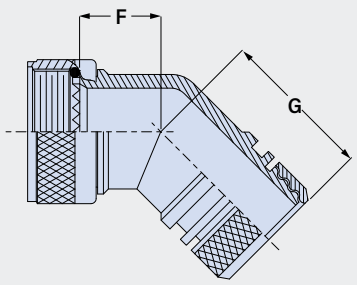
** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Shell Size	A Thread	ø B Max in	ø B Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	Max Entry Size*
9 (A)	M12X1.0-6H	.94	24.8	.795	20.2	1.045	26.5	.906	23.0	1.155	29.3	02
11 (B)	M15X1.0-6H	1.06	26.9	.820	20.8	1.075	27.3	.966	24.5	1.225	31.1	03
13 (C)	M18X1.0-6H	1.17	29.7	.844	21.4	1.097	27.9	1.026	26.1	1.285	32.6	04
15 (D)	M22X1.0-6H	1.29	32.7	.861	21.9	1.125	28.6	1.076	27.3	1.345	34.2	05
17 (E)	M25X1.0-6H	1.42	36.1	.888	22.6	1.145	29.1	1.136	28.9	1.405	35.7	06
19 (F)	M28X1.0-6H	1.54	39.1	.904	23.0	1.165	29.6	1.176	29.9	1.455	37.0	06
21 (G)	M31X1.0-6H	1.67	42.4	.929	23.6	1.195	30.4	1.236	31.4	1.525	38.7	07
23 (H)	M34X1.0-6H	2.01	51.1	.956	24.3	1.215	30.9	1.296	32.9	1.575	40.0	08
25 (J)	M37X1.0-6H	2.12	53.8	.979	24.9	1.245	31.6	1.356	34.4	1.645	41.8	09

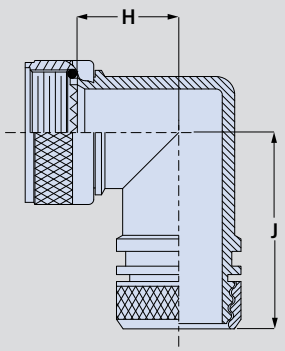
Profile S Straight



Profile H 45°



Profile J 90°



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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

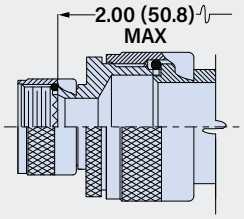
311H*039 Shrink Boot Adapter, Braid Trap, Self-Locking

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

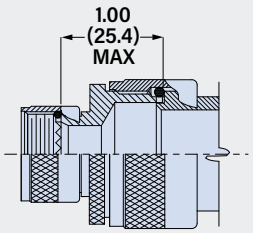
Shell Size	Max Entry Size	Shell Size	Max Entry Size
09	02	19	06
11	03	21	07
13	04	23	08
15	05	25	09
17	06		

Style 2 Straight Backshell



For Style 2 straight backshells, the front adapter adds ½ inch to the length.

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.00 inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Entry Size	Shrink Boot P/N
02	770-003S112
03	770-003S103
04	770-003S103
05	770-003S104
06	770-003S104
07	770-003S105
08	770-003S106
09	770-003S107

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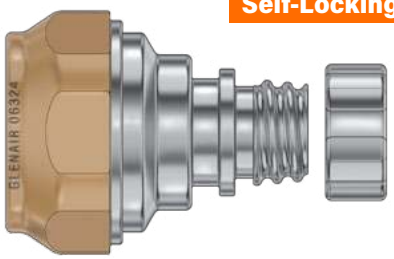
Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

311H*019 Shrink Boot Adapter, Braid Trap, Composite



Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Corrosion-proof composite material. 311H*019 composite shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Adapter has candelabra-style tapered thread to captivate shield braid under nut. install optional lipped shrink boot over nut for environmental protection. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Supplied as adapter only or as kit with shrink boot. Glass-filled high performance thermoplastic, silicone O-ring.

PART NUMBER

	311HS019	XM	21	06	T

Base P/N

Base Part No.		Profile
311HS019	S	Straight
311HT019	T	45°
311HW019	W	90°

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XZR	Black Zinc-Nickel

Coupling nut is natural amber color, unplated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size *See Table 1*

Shrink Boot *Omit if not required*
T Shrink Boot included

BRAID TRAP

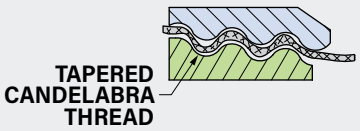


TABLE 1: ENTRY SIZE

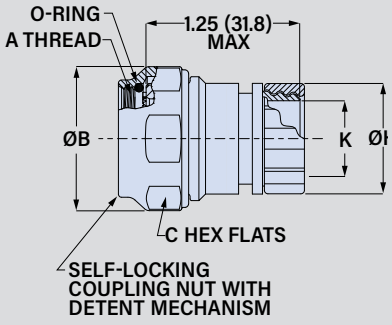
Entry Size	Shell Sizes	K Entry Dia. ±.030 (0.8) in	K Entry Dia. ±.030 (0.8) mm	L ±.06 (1.5) in	L ±.06 (1.5) mm
02	09-25	.250	6.4	.52	13.2
03	11-25	.375	9.5	.64	16.3
04	13-25	.500	12.7	.77	19.6
05	15-25	.625	15.9	.92	23.4
06	17-25	.750	19.1	1.02	25.9
07	19-25	.875	22.2	1.14	29.0
08	21-25	1.000	25.4	1.27	32.3
09	23-25	1.125	28.6	1.43	36.3
10	25	1.250	31.8	1.52	38.6

SHRINK BOOT

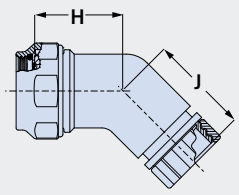
Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Entry Size	Shrink Boot P/N
02	770-003S112
03	770-003S103
04	770-003S103
05	770-003S104
06	770-003S104
07	770-003S105
08	770-003S106
09	770-003S107
10	770-003S107

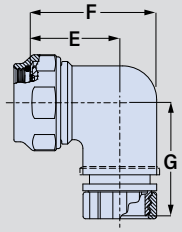
Profile S Straight



Profile T 45°



Profile W 90°



Shell Size	A Thread	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø E ±.06(1.5) in	ø E ±.06(1.5) mm	F ±.09(2.3) in	F ±.09(2.3) mm	G ±.09(2.3) in	G ±.09(2.3) mm	H ±.06(1.5) in	H ±.06(1.5) mm	J ±.09(2.3) in	J ±.09(2.3) mm	Max Entry Size
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.19	30.2	.72	18.3	1.00	25.4	02
11 (B)	M15X1.0-6H	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.25	31.8	.75	19.1	1.06	26.9	03
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.31	33.3	.75	19.1	1.13	28.7	04
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	.76	19.3	1.16	29.5	05
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	.78	19.8	1.18	30.0	06
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	.79	20.1	1.19	30.2	07
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.82	20.8	1.22	31.0	08
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	.86	21.8	1.26	32.0	09
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.89	22.6	1.29	32.8	10

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

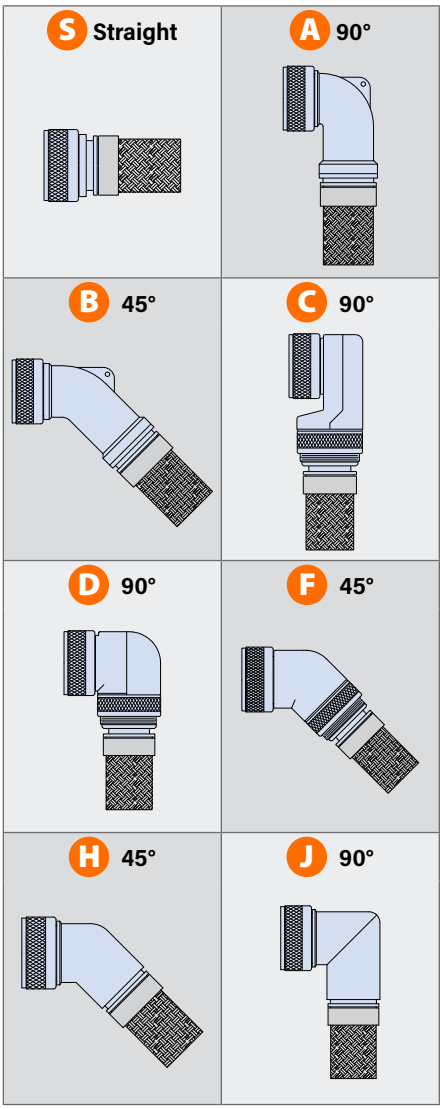
319H*001 Shrink Boot Adapter, Braid Sock

Braid Sock. 319H*001 shrink boot adapter with braid sock fits MIL-DTL-38999 Series III and IV connectors. Adapter has braid attached with crimp ring. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel. Tin-plated copper crimp ring. Braid is 36 AWG tinned copper per A-A-59569.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

PROFILE SELECTION GUIDE



PART NUMBER

	319HS001	NF	11	04	-6	T

Base P/N

Base Part No.	Profile
319HS001	S Straight
319HA001	A 90° Elbow
319HB001	B 45° Elbow
319HC001	C 90° Low Prof.
319HD001	D 90° Split
319HF001	F 45° Split
319HH001	H 45° Cut/Weld
319HJ001	J 90° Cut/Weld

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Size	Cable Entry ± .015 (0.4)	Shell Sizes*	Size	Cable Entry ± .015 (0.4)	Shell Sizes*
01	.188 (4.8)	09-25	10	.750 (19.1)	17-25
02	.250 (6.4)	09-25	11	.812 (20.6)	19-25
03	.312 (7.9)	11-25	12	.875 (22.2)	19-25
04	.375 (9.5)	11-25	13	.938 (23.8)	21-25
05	.438 (11.1)	13-25	14	1.000 (25.4)	21-25
06	.500 (12.7)	13-25	22	1.062 (27.0)	23-25
07	.562 (14.3)	15-25	19	1.125 (28.6)	23-25
08	.625 (15.9)	15-25	23	1.188 (30.2)	25
09	.688 (17.5)	17-25	15	1.250 (31.8)	25

** If selected entry size exceeds shell size range, a **Style 2** transition a)dapter will be included.See **Maximum Entry Size** for details. ⚠ **Profile C entry size cannot exceed shell size range listed in table.***

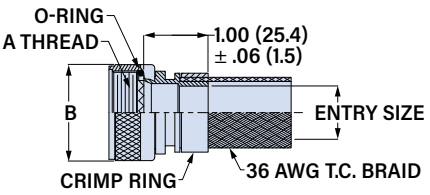
Braid Length

Braid length in 1 inch increments, 4 inch minimum

Shrink Boot

Omit if not required

T	Shrink Boot included



Shell Size	A Thread	øB Max in	øB Max mm	Max Entry Size
9 (A)	M12X1.0-6H	.770	19.6	02
11 (B)	M15X1.0-6H	.840	21.3	04
13 (C)	M18X1.0-6H	.960	24.4	06
15 (D)	M22X1.0-6H	1.090	27.7	08
17 (E)	M25X1.0-6H	1.230	31.2	10
19 (F)	M28X1.0-6H	1.360	34.5	12
21 (G)	M31X1.0-6H	1.480	37.6	14
23 (H)	M34X1.0-6H	1.600	40.6	19
25 (J)	M37X1.0-6H	1.720	43.7	15

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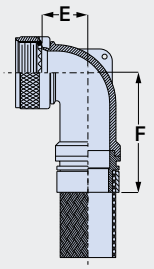
Series 31 Shrink Boot Adapters

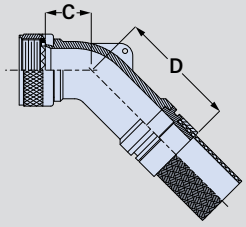
for MIL-DTL-38999 Series III and IV Connectors

319H*001 Shrink Boot Adapter, Braid Sock

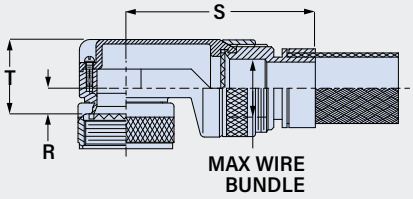
Profile A 90°



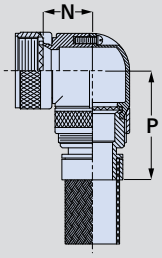
Profile B 45°



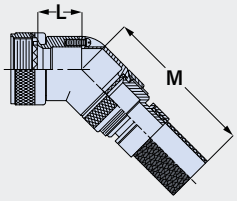
Profile C Low Profile Split 90°



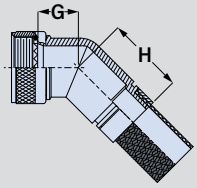
Profile D Split 90°



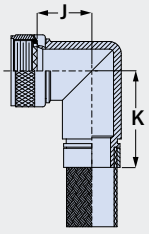
Profile F Split 45°



Profile H Cut/Weld 45°



Profile J Cut/Weld 90°



Shell Size	C Max in	C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm
9 (A)	.457	11.6	1.71	43.4	.500	12.7	1.730	43.9	.830	21.1	1.045	26.5	.940	23.9	1.188	29.3
11 (B)	.520	13.2	1.77	45.0	.595	15.1	1.850	47.0	.860	21.8	1.075	27.3	1.010	25.7	1.225	31.1
13 (C)	.582	14.8	1.83	46.5	.610	15.5	1.870	47.5	.882	22.4	1.097	27.9	1.070	27.2	1.285	32.6
15 (D)	.645	16.4	1.92	48.8	.700	17.8	1.940	49.3	.900	22.9	1.125	28.6	1.130	28.7	1.345	34.2
17 (E)	.738	18.7	2.03	51.6	.885	22.5	2.030	51.6	.930	23.6	1.145	29.1	1.190	30.2	1.405	35.7
19 (F)	.926	23.5	2.22	56.4	.975	24.8	2.200	55.9	.950	24.1	1.165	29.6	1.240	31.5	1.455	37.0
21 (G)	.926	23.5	2.22	56.4	.975	24.8	2.200	55.9	.980	24.9	1.195	30.4	1.310	33.3	1.525	38.7
23 (H)	1.020	25.9	2.37	60.2	1.125	28.6	2.310	58.7	1.000	25.4	1.215	30.9	1.360	34.5	1.575	40.0
25 (J)	1.020	25.9	2.37	60.2	1.125	28.6	2.310	58.7	1.030	26.2	1.245	31.6	1.430	36.3	1.645	41.8

Shell Size	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Ref in	R Ref mm	S Max in	S Max mm	T Max in	T Max mm	Max Wire Bundle in	Max Wire Bundle mm
9 (A)	.440	11.2	1.500	38.1	.680	17.3	1.440	36.6	.340	8.6	1.780	45.2	.681	17.3	.250	6.4
11 (B)	.500	12.7	1.560	39.6	.750	19.1	1.500	38.1	.270	6.9	1.940	49.3	.731	18.6	.375	9.5
13 (C)	.560	14.2	1.630	41.4	.810	20.6	1.570	39.9	.270	6.9	1.940	49.3	.731	18.6	.375	9.5
15 (D)	.620	15.7	1.660	42.2	.870	22.1	1.600	40.6	.280	7.1	2.010	51.1	.831	21.1	.500	12.7
17 (E)	.680	17.3	1.760	44.7	.930	23.6	1.700	43.2	.420	10.7	2.060	52.3	.981	24.9	.625	15.9
19 (F)	.750	19.1	1.820	46.2	1.000	25.4	1.760	44.7	.640	16.3	2.090	53.1	1.181	30.0	.625	15.9
21 (G)	.820	20.8	1.880	47.8	1.060	26.9	1.820	46.2	.640	16.3	2.090	53.1	1.181	30.0	.625	15.9
23 (H)	.880	22.4	1.940	49.3	1.120	28.4	1.880	47.8	.540	13.7	2.240	56.9	1.181	30.0	.750	19.1
25 (J)	.940	23.9	2.000	50.8	1.180	30.3	1.940	49.3	.540	13.7	2.240	56.9	1.181	30.0	.750	19.1

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

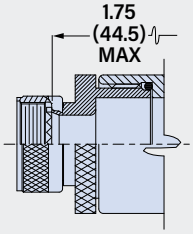
Entry Size	Shrink Boot P/N
01-02	770-003S111
03-05	770-001S103
06-08	770-001S104
09-11	770-001S105
12-14	770-001S106
15	770-001S107
16-17	770-001S108
18	770-001S109
19-20	770-001S107
21	770-001S108
22	770-001S106
23	770-001S107

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

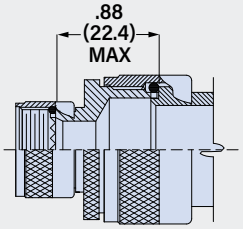
Shell Size	Max Entry Size	Shell Size	Max Entry Size
09	02	19	12
11	04	21	14
13	06	23	19
15	08	25	15
17	10		

Style 2 Straight Backshell



For Style 2 straight backshells, the front adapter adds ½ inch to the length.

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inch.

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Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

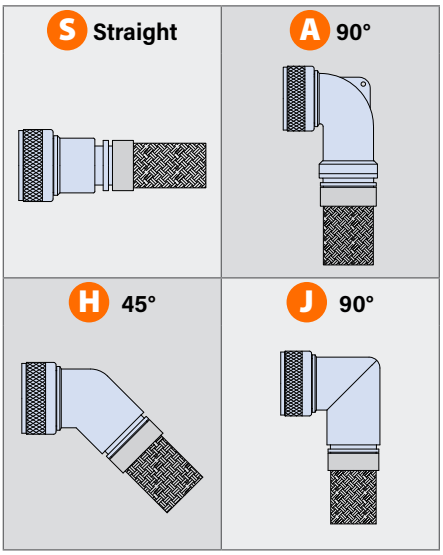
319H*044 Shrink Boot Adapter, Braid Sock, Self-Locking

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

PROFILE SELECTION GUIDE



Shell Size	A Thread	ø B Max in	ø B Max mm	Max Entry Size*
9 (A)	M12X1.0-6H	.94	24.8	02
11 (B)	M15X1.0-6H	1.06	26.9	04
13 (C)	M18X1.0-6H	1.17	29.7	06
15 (D)	M22X1.0-6H	1.29	32.7	08
17 (E)	M25X1.0-6H	1.42	36.1	10
19 (F)	M28X1.0-6H	1.54	39.1	11
21 (G)	M31X1.0-6H	1.67	42.4	13
23 (H)	M34X1.0-6H	2.01	51.1	14
25 (J)	M37X1.0-6H	2.12	53.8	14

* *If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** on next page.*

Braid Sock. 319H*044 shrink boot adapter with braid sock fits MIL-DTL-38999 Series III and IV connectors. Adapter has braid attached with crimp ring. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring. Tin-plated copper crimp ring. Braid is 36 AWG tinned copper per A-A-59569.

PART NUMBER

	319HS044	M	17	08	-6	-4	T

Base P/N

Base Part No.	Profile
319HS044	S Straight
319HA044	A 90° Elbow
319HH044	H 45° Cut/Weld
319HJ044	J 90° Cut/Weld

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Size	Cable Entry ± .015 (0.4)	Shell Sizes*	Size	Cable Entry ± .015 (0.4)	Shell Sizes*
01	.188 (4.8)	09-25	09	.688 (17.5)	17-25
02	.250 (6.4)	09-25	10	.750 (19.1)	17-25
03	.312 (7.9)	11-25	11	.812 (20.6)	19-25
04	.375 (9.5)	11-25	12	.875 (22.2)	21-25
05	.438 (11.1)	13-25	13	.938 (23.8)	21-25
06	.500 (12.7)	13-25	14	1.000 (25.4)	23-25
07	.562 (14.3)	15-25	15	1.250 (31.8)	-
08	.625 (15.9)	15-25	16	1.500 (38.1)	-

* *If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size**.*

Braid Length

Braid length in one inch increments, 6 inch minimum.

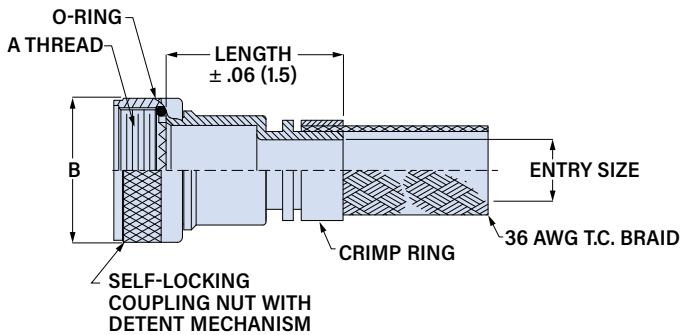
Length

3	1.5 inches	*Applies to Profile S only.*
4	2.0 inches	*If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.*
5	2.5 inches	

Shrink Boot

Omit if not required

T	Shrink Boot included



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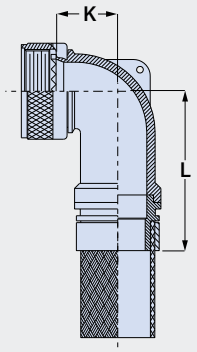
Series 31 Shrink Boot Adapters

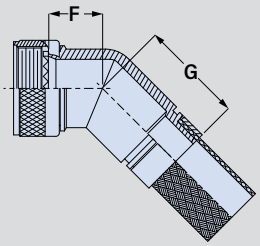
for MIL-DTL-38999 Series III and IV Connectors

319H*044 Shrink Boot Adapter, Braid Sock, Self-Locking

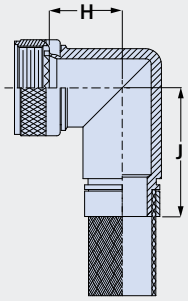
Profile A
90°



Profile H
Cut/Weld 45°



Profile J
Cut/Weld 90°



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm
9 (A)	.986	25.0	1.045	26.5	1.096	27.8	1.155	29.3	.655	16.6	1.88	47.8
11 (B)	1.016	25.8	1.075	27.3	1.166	29.6	1.225	31.1	.750	19.1	2.00	50.8
13 (C)	1.038	26.4	1.097	27.9	1.226	31.1	1.285	32.6	.765	19.4	2.02	51.3
15 (D)	1.056	26.8	1.125	28.6	1.286	32.7	1.345	34.2	.855	21.7	2.09	53.1
17 (E)	1.066	27.1	1.145	29.1	1.346	34.2	1.405	35.7	1.040	26.4	2.18	55.4
19 (F)	1.106	28.1	1.165	29.6	1.396	35.5	1.455	37.0	1.130	28.7	2.35	59.7
21 (G)	1.136	28.9	1.195	30.4	1.466	37.2	1.525	38.7	1.130	28.7	2.35	59.7
23 (H)	1.156	29.4	1.215	30.9	1.516	38.5	1.575	40.0	1.280	32.5	2.46	62.5
25 (J)	1.186	30.1	1.245	31.6	1.586	40.3	1.645	41.8	1.280	32.5	2.46	62.5

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

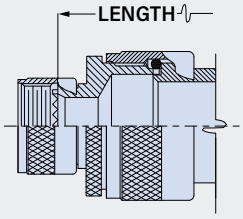
Entry Size	Shrink Boot P/N
01-02	770-003S111
03-05	770-001S103
06-08	770-001S104
09-11	770-001S105
12-14	770-001S106
15	770-001S107
16	770-001S108

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

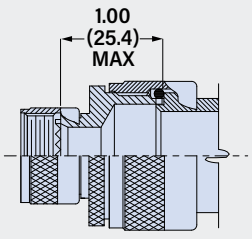
Shell Size	Max Entry Size
9 (A)	02
11 (B)	04
13 (C)	06
15 (D)	08
17 (E)	10
19 (F)	11
21 (G)	13
23 (H)	14
25 (J)	14

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.00 inch.

Series 31 Shrink Boot Adapters

for MIL-DTL-38999 Series III and IV Connectors

319HS155 Shrink Boot Adapter, Braid Sock, Composite

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Low profile, corrosion-proof, shielded. 319H*155 shrink boot adapter with braid sock fits MIL-DTL-38999 Series III and IV connectors. Adapter has 12 inches of shield braid attached to nickel-plated brass follower. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Glass-filled high performance thermoplastic. Tin-plated copper crimp ring, nickel-plated brass follower, silicone O-ring. .

MATERIAL AND FINISH

Coupling nut, adapter, split ring: high performance thermoplastic
EMI adapter: brass, electroless nickel plating
Anti-decoupling spring: high performance thermoplastic
O-ring: silicone
Crimp ring: copper alloy, tin plated
Braid:
34 AWG nickel-coated copper (standard)
Code T: 34 AWG tin-coated copper,
Code A: AmberStrand® ultralightweight nickel-coated polymer
Code L: ArmorLite® lightweight microfilament nickel-coated 316L SST

PART NUMBER

	319HS155	XB	17	L-	D	T	R	14

Base P/N — 319HS155

Finish — XB No Finish, Black Color

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

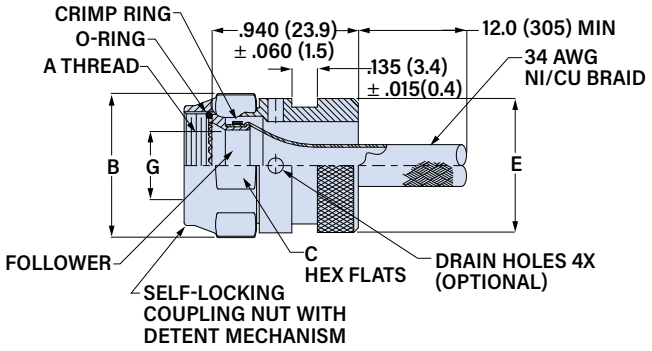
Braid Type
Omit for 34 AWG nickel-coated copper
T- 34 AWG Tin/Copper
A- AmberStrand® Nickel/Composite
L- ArmorLite® Nickel/SST

Drain Holes
Omit if not required
D Drain Holes

Shrink Boot
Omit if not required
T Shrink Boot included

Split Ring and Band
Omit if not required
R Split Ring and Band included With Backshell

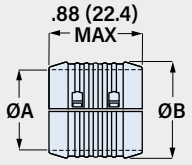
Braid Length
Omit for standard 12 inch length
14 Braid Length in inches, 4 inch minimum



Shell Size	A Thread	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	E Max in	E Max mm	ø G ± .015 (0.4) in	ø G ± .015 (0.4) mm
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	.533	13.5	.265	6.7
11 (B)	M15X1.0-6H	.98	24.9	.875	22.2	.605	15.4	.370	9.4
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	.774	19.7	.506	12.9
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	.838	21.3	.580	14.7
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	.963	24.5	.705	17.9
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	1.042	26.5	.784	19.9
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.217	30.9	.907	23.0
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.355	34.4	1.034	26.3
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.443	36.7	1.140	28.9

SUPPORT RING AND PRE-COILED BAND (R OPTION)

Optional split support ring provides a reliable, low resistance method of splicing braid. Snap split ring over wire bundle, then overlap adapter braid and cable braid. install band around split ring and braid using Band-Master ATS standard banding tool.



687-749 SPLIT RING

Banding Tool

Shell Size	Support Ring Part Number	øA ± .030 (0.8) in	øA ± .030 (0.8) mm	øB ± .030 (0.8) in	øB ± .030 (0.8) mm
08	687-749XB04	.25	6.4	.40	10.2
10	687-749XB06	.38	9.7	.53	13.5
12	687-749XB08	.50	12.7	.65	16.5
14	687-749XB10	.63	16.0	.78	19.8
16	687-749XB12	.75	19.1	.90	22.9
18	687-749XB14	.88	22.4	1.03	26.2
20	687-749XB16	1.00	25.4	1.15	29.2
22	687-749XB18	1.13	28.7	1.28	32.5
24	687-749XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
8-24	601-041	601-100

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Series 31 Shrink Boot Adapters

for Series 80 Mighty Mouse Connectors

310MS034 Shrink Boot Adapter, Direct Coupling

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

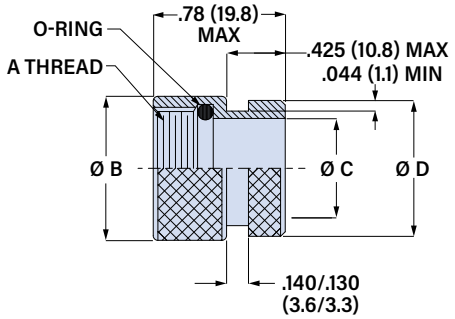
SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes.

Direct coupling. Low profile. 310MS034 shrink boot adapter fits Glenair Series 80 Mighty Mouse connectors. Adapter has groove for lipped shrink boot. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

PART NUMBER

	310MS034	NF	14	T
Base P/N	**310MS034**			
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated			
Shell Size	**05 06 07 08 09 10 11 12 13 14** *See table*			
Shrink Boot	*Omit if not required* **T** Shrink Boot included			



Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	ø B ±.015 (0.4) in	ø B mm	ø C ±.015 (0.4) in	ø C mm	ø D ±.015 (0.4) in	ø D mm	Shrink Boot Part No.
05	5	N/A	0.250-32	.320	8.1	.188	4.8	.375	9.5	770-003S111
06	6	N/A	0.3125-32	.440	11.2	.250	6.4	.437	11.2	770-003S112
11	N/A	8	0.3750-32	.500	12.7	.280	7.1	.437	11.2	770-003S112
07	7	9	0.4375-28	.570	14.5	.312	7.9	.500	12.7	770-003S112
08	8	10	0.500-28	.625	15.9	.375	9.5	.562	14.3	770-003S112
09	9	11	0.5625-24	.690	17.5	.438	11.2	.625	15.9	770-001S104
10	10	12	0.625-24	.750	19.1	.500	12.7	.687	17.4	770-001S104
12	12, 13	N/A	0.6875-24	.820	20.8	.562	14.3	.750	19.1	770-001S104
13	N/A	15	0.750-20	.880	22.4	.625	15.9	.812	20.6	770-001S104
14	14, 15, 16, 17	18, 19	0.9375-20	1.070	27.2	.812	20.6	1.000	25.4	770-001S105

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Series 31 Shrink Boot Adapters

for Series 80 Mighty Mouse Connectors

319MS001 Shrink Boot Adapter, Braid Sock

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Braid Sock. 319M*001 shrink boot adapter with braid sock fits Glenair Series 80 Mighty Mouse connectors. Adapter has braid attached with crimp ring. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel. Tin-plated copper crimp ring. Braid is 36 AWG tinned copper per A-A-59569.

PART NUMBER

	319MS001	M	11	03	-6

Base P/N

Base Part No.	Profile
319MS001	S Straight
319MH001	H 45°
319MJ001	J 90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, S only)*

Shell Size

05 06 07 08 09 10 11 12 13 14 16 17

See table

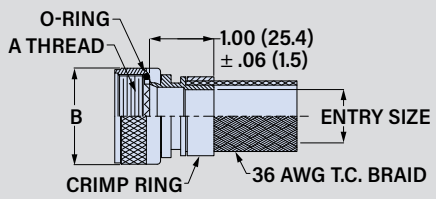
Entry Size

Size	Cable Entry ± .015 (0.4)	Shell Sizes	Size	Cable Entry ± .015 (0.4)	Shell Sizes
01	.188 (4.8)	05-17	08	.625 (15.9)	12-17
02	.250 (6.4)	06-17	09	.688 (17.5)	14-17
03	.312 (7.9)	07-17	10	.750 (19.1)	14-17
04	.375 (9.5)	07-17	11	.812 (20.6)	14-17
05	.438 (11.1)	08-17	12	.875 (22.2)	14-17
06	.500 (12.7)	09-17	13	.938 (23.8)	16-17
07	.562 (14.3)	10-17	14	1.000 (25.4)	17

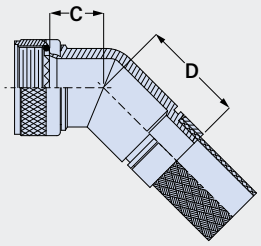
Braid Length

Braid length in 1 inch increments, 6 inch minimum

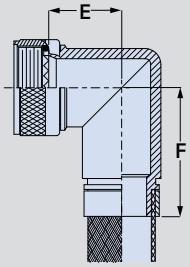
Profile S Straight



Profile H 45°



Profile J 90°



Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max in	øB Max mm	C Max in	C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	Max Entry Size
05	5	N/A	0.250-32	.470	11.9	.640	16.3	.870	22.1	.820	20.8	1.000	25.4	01
06	6	N/A	0.3125-32	.530	13.5	.650	16.5	.880	22.4	.840	21.3	1.000	25.4	02
11	N/A	8	0.3750-32	.570	14.5	.660	16.8	.890	22.6	.860	21.8	1.020	25.9	02
07	7	9	0.4375-28	.637	16.2	.670	17.0	.900	22.9	.870	22.1	1.040	26.4	04
08	8	10	0.500-28	.700	17.8	.680	17.3	.910	23.1	.900	22.9	1.060	26.9	05
09	9	11	0.5625-24	.758	19.3	.690	17.5	.920	23.4	.930	23.6	1.080	27.4	06
10	10	12	0.625-24	.819	20.8	.710	18.0	.940	23.9	.980	24.9	1.120	28.4	07
12	11, 12, 13	13	0.6875-24	.896	22.8	.740	18.8	.960	24.4	1.030	26.2	1.180	30.0	08
13	N/A	15	0.750-20	.930	23.6	.760	19.3	.980	24.9	1.090	27.7	1.240	31.5	08
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9	.790	20.1	1.010	25.7	1.160	29.5	1.300	33.0	12
16	19	21	1.0625-18	1.250	31.8	.820	20.8	1.030	26.2	1.250	31.8	1.360	34.5	13
17	21	23	1.1875-18	1.387	35.2	.850	21.6	1.070	27.2	1.320	33.5	1.410	35.8	14

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Series 31 Shrink Boot Adapters

for Series 970 PowerTrip® Connectors

310P*001 Shrink Boot Adapter, Spin Coupling

Adapter Code P

This accessory fits Glenair Series 970 PowerTrip Connectors

Spin coupling. Boot groove. 310F*001 shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Adapter has groove for lipped shrink boot. Supplied as adapter only or as kit with shrink boot. Aluminum or stainless steel, silicone O-ring.

PART NUMBER

	310PS001	M	17	T

Base P/N

Base Part No.		Profile
310PS001	S	Straight
310PM001	M	45°
310PN001	N	90°

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

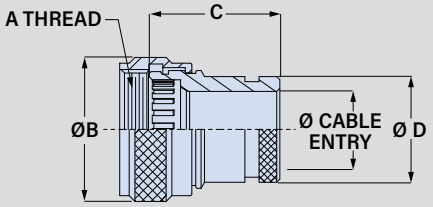
18 20 24 28 32 36 40

Shrink Boot

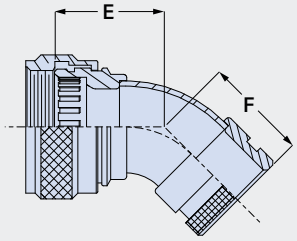
Omit if not required

T	Shrink Boot
S	Zero Halogen Shrink Boot

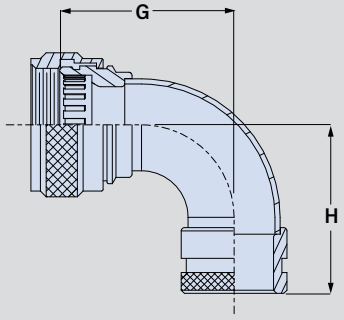
Profile S Straight



Profile M 45°



Profile N 90°



Shell Size	A Thread	ø B Max in	ø B Max mm	C Max in	C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	R Max in	R Max mm	Cable Entry Min in	Cable Entry Min mm
18	1.125-18 UNEF-2B	1.39	35.3	1.250	31.8	1.005	25.5	1.250	31.8	1.00	25.4	1.906	48.4	1.63	41.4	.880	22.4	.724	18.4
20	1.250-18 UNEF-2B	1.53	38.9	1.250	31.8	1.139	28.9	1.312	33.3	1.06	26.9	2.031	51.6	1.75	445	1.00	25.4	.858	21.8
24	1.4375-18 UNEF-2B	1.72	43.7	1.250	31.8	1.324	33.6	1.406	35.7	1.19	30.2	2.281	57.9	2.00	50.8	1.25	31.8	1.043	26.5
28	1.8125-16 UN-2B	2.13	54.1	1.250	31.8	1.625	41.2	1.500	38.1	1.25	31.8	2.531	64.3	2.44	62.0	1.50	38.1	1.353	34.4
32	2.0625-16 UNS-2B	2.35	59.7	1.315	33.4	1.901	48.3	1.675	42.5	1.38	35.1	2.625	66.7	2.75	69.9	1.75	44.5	1.620	41.4
36	2.250-16 UN-2B	2.59	65.8	1.315	33.4	2.104	53.4	1.799	45.7	1.75	44.5	2.875	73.0	2.88	73.2	2.25	57.2	1.823	46.3
40	2.500-16 UN-2B	2.87	70.6	1.315	33.4	2.331	59.2	1.861	47.3	1.75	44.5	3.025	76.8	2.88	73.2	2.25	57.2	2.050	52.1

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection.

Standard Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Operating temperature range -75 to +150 °C.

Zero Halogen Type 2 high-performance semi-flexible polyolefin meets low smoke and toxicity requirements. Operating temperature range -40 to +130 °C.

Shell Size	Shrink Boot Part Number Standard	Shrink Boot Part Number Zero Halogen
18	770-001S105	770-001S205
20	770-001S105	770-001S205
24	770-001S106	770-001S206
28	770-001S107	770-001S207
32	770-001S108	770-001S208
36	770-001S109	770-001S209
40	770-001S109	770-001S209

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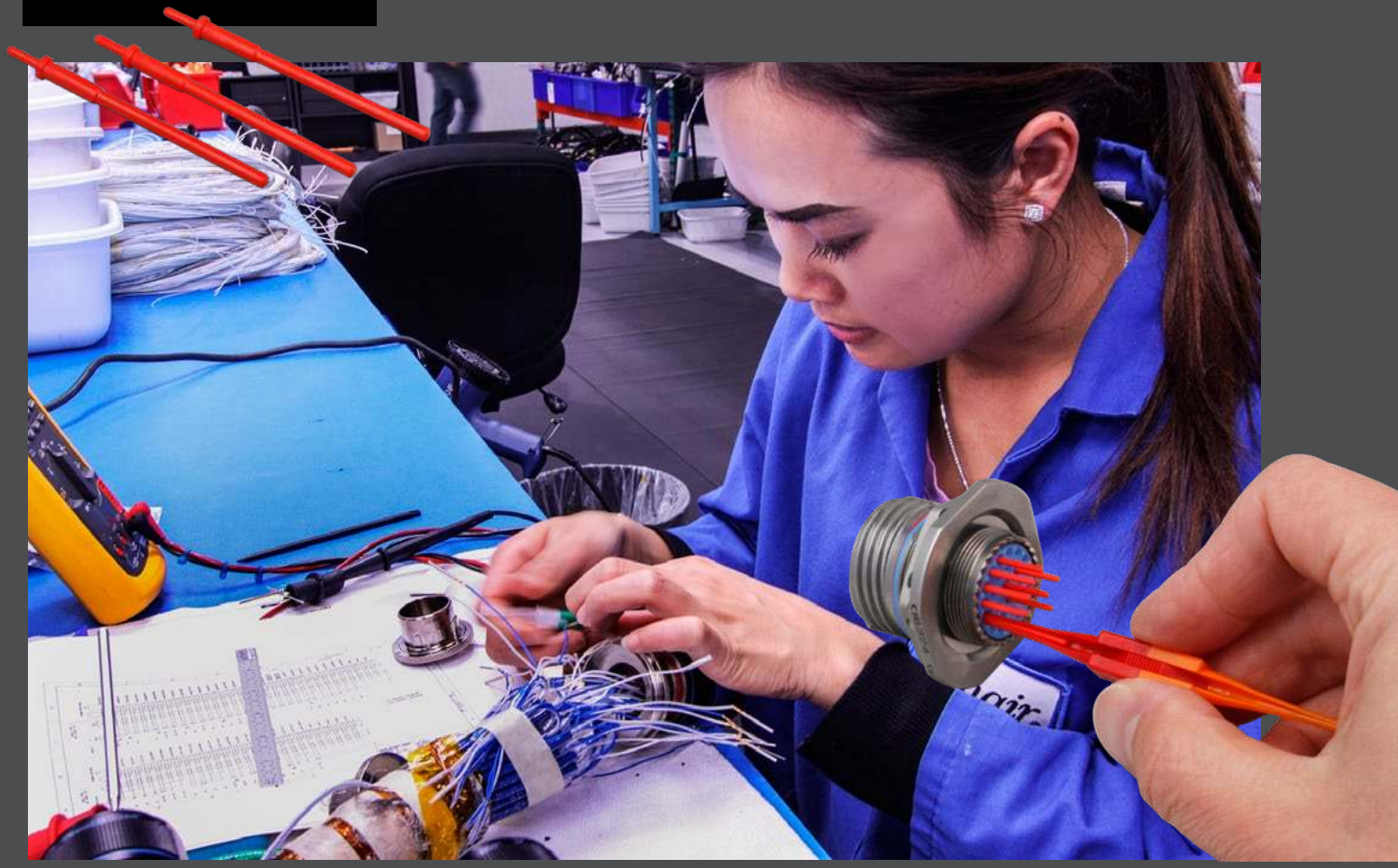
ALSO AVAILABLE FROM GLENAIR

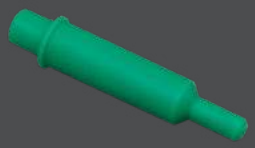
- MADE IN USA
- MASSIVE SAME-DAY INVENTORY

Weight / Cost-Saving Dummy Contact Sealing Plugs (DCSP)



For reliable sealing of unused contact cavities—without the use of electrical contacts

The use of color-coded M27488 type plastic sealing plugs in unused contact cavities is a requirement in all environmental interconnect applications. Conventional sealing plugs, combined with the connector grommet seal, provide reliable dust and moisture ingress protection. But common contact sealing plugs still require that a properly-sized electrical contact be first inserted into the cavity, followed by the plastic plug. Glenair innovative Dummy Contact Sealing Plugs (DCSP) eliminate the need to use expensive electrical contacts as part of the sealing regimen. Fast and easy-to-install, longer form-factor DCSPs are a one-piece solution to contact cavity sealing that results in significant weight reduction, material cost reduction, and assembly labor. Available in Size #22 to Size #8, for connector series D38999, EN4165, Series 800 Mighty Mouse, EN4644 and ARINC 600, Glenair Dummy Contact Sealing Plugs reduce weight as much as 90% compared to conventional contact/sealing plug configurations.



- **Powerful tool in Electrical Wire Interconnect System weight reduction**
- **Eliminates use of expensive electrical contacts for sealing-only applications**
- **Leverages connector contact clip for secure retention of the sealing plug—no FOD**
- **Easy-to-install single piece design**
- **Visible quality control / confirmation of cavity fill from back of connector**
- **EWIS compliant test report GT 15-106 available**

Series 32 Extender Backshells

Selection Guide

Series 32 Extender Backshells

Series 32 Extender Backshells fit standard mil spec circular electrical connectors. Extenders provide extra room for wiring. The back end of the extender is identical to the back end of the connector. Attach cable clamp or backshell to extender.

1 ***Extender Backshells with Expanded Clearance*** have larger inside dimensions for connectors with #8 twinax, quadrax and octaxial contacts with sealing boots.

Adapter Code A
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

Extender Backshell, Spin Coupling
320A*001
Page 32-2

Extender Backshell, Direct Coupling
320AS002
Page 32-3

Extender Backshell, Self-Locking
320A*006
Page 32-4

Extender Backshell, Composite
327A*060
Page 32-5

Adapter Code B
AS50151 Solder

Extender Backshell, Direct Coupling
320BS002
Page 32-6

Adapter Code D
MIL-DTL-26482 Series I

Extender Backshell, Direct Coupling
320DS002
Page 32-7

Adapter Code F
MIL-DTL-38999 Series I and II

Extender Backshell, Spin Coupling
320F*001
Page 32-8

Extender Backshell, Direct Coupling
320FS002
Page 32-9

Extender Backshell, Self-Locking
320F*006
Page 32-10

Extender Backshell, Composite
327F*060
Page 32-11

Adapter Code G
MIL-DTL-28840

Extender Backshell, Spin Coupling
320G*001
Page 32-18

Adapter Code H
MIL-DTL-38999 Series III and IV

Extender Backshell, Spin Coupling
320H*001
Page 32-8

Extender Backshell, Direct Coupling
320HS002
Page 32-9

Extender Backshell, Self-Locking
320H*006
Page 32-10

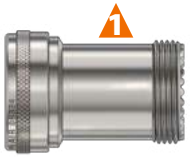
Extender Backshell, Composite
327H*060
Page 32-11

Extender Backshell, Expanded Clearance
320H*030
Page 32-16

Extender Backshell, Composite, Expanded Clearance
320HS031
Page 32-17

Adapter Code M
Series 80 Mighty Mouse

Extender Backshell, Spin Coupling
320M*001
Page 32-19



Extender Backshell, Self-Locking, Expanded Clearance
320M*030
Page 32-20

Adapter Code V
Series 806 Mil-Aero

Extender Backshell, Self-Locking, Expanded Clearance
320V*030
Page 32-21

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Series 32 Extender Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

320A*001 Extender Backshell, Spin Coupling

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Spin coupling. 320A*001 extender backshell fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Aluminum or stainless steel.

PART NUMBER

	320AS001	M	16	-3

Base P/N

Base Part No.		Profile
320AS001	S	Straight
320AH001	H	45°
320AJ001	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

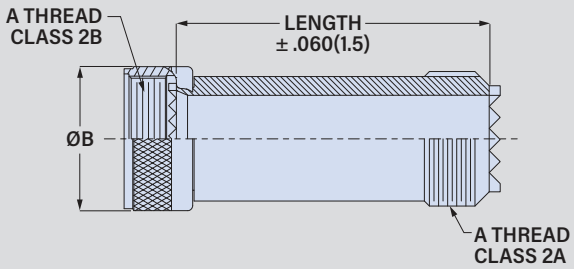
08 10 12 14 16 18 20 22 24 28 32 36 40

Length

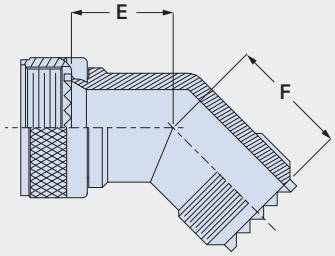
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments, 1.5 inch minimum.

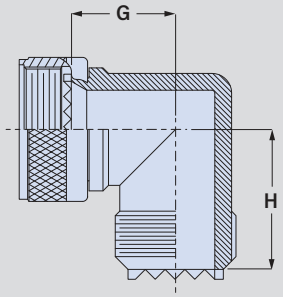
Profile S
Straight



Profile H
45°



Profile J
90°



Shell Size	A Thread	ø B Max. in	ø B Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm
08	0.500-20 UNF	.65	16.5	.830	21.1	.890	22.6	.940	23.9	1.000	25.4
10	0.625-24 UNEF	.77	19.6	.860	21.8	.920	23.4	1.010	25.7	1.070	27.2
12	0.750-20 UNEF	.94	23.9	.882	22.4	.942	23.9	1.070	27.2	1.130	28.7
14	0.875-20 UNEF	1.07	27.2	.900	22.9	.970	24.6	1.130	28.7	1.190	30.2
16	1.000-20 UNEF	1.21	30.7	.930	23.6	.990	25.1	1.190	30.2	1.250	31.8
18	1.0625-18 UNEF	1.23	31.2	.950	24.1	1.010	25.7	1.240	31.5	1.300	33.0
20	1.1875-18 UNEF	1.36	34.5	.980	24.9	1.040	26.4	1.310	33.3	1.370	34.8
22	1.3125-18 UNEF	1.48	37.6	1.000	25.4	1.060	26.9	1.360	34.5	1.420	36.1
24	1.4375-18 UNEF	1.73	43.9	1.030	26.2	1.090	27.7	1.540	39.1	1.490	37.8
28	1.750-18 UNS	1.97	50.0	1.480	37.6	1.140	29.0	1.670	42.4	1.600	40.6
32	2.000-18 UNS	2.22	56.4	1.610	40.9	1.180	30.0	1.780	45.2	1.690	42.9
36	2.250-16 UN	2.47	62.7	1.720	43.7	1.230	31.2	1.890	48.0	1.800	45.7
40	2.500-16 UN	2.72	69.1	1.830	46.5	1.270	32.3	2.010	51.1	1.910	48.5

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REV 01.28.25

Series 32 Extender Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

320AS002 Extender Backshell, Direct Coupling

Adapter Code A

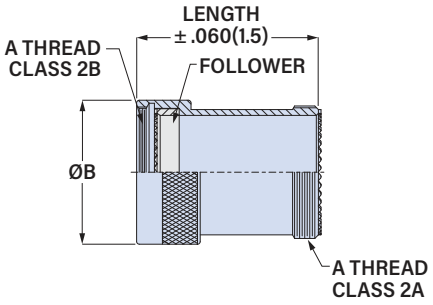
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Direct coupling. Low profile. 320AS002 extender backshell fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Aluminum or stainless steel.

PART NUMBER

	320AS002	NF	16	-3

Base P/N	**320AS002**	
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated	
Shell Size	**08 10 12 14 16 18 20 22 24 28 32 36 40**	
Length	**-3** 1.5 inches **-4** 2.0 inches **-5** 2.5 inches **-6** 3.0 inches	*Length in ½ inch increments, 1.5 inch minimum.*



Shell Size	A Thread	ø B Max. in	ø B Max. mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.97	24.6
14	0.875-20 UNEF	1.09	27.7
16	1.000-20 UNEF	1.22	31.0
18	1.0625-18 UNEF	1.22	31.0
20	1.1875-18 UNEF	1.34	34.0
22	1.3125-18 UNEF	1.47	37.3
24	1.4375-18 UNEF	1.59	40.4
28	1.750-18 UNS	1.97	50.0
32	2.000-18 UNS	2.28	57.9
36	2.250-16 UN	2.53	64.3
40	2.500-16 UN	2.78	70.6

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Series 32 Extender Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

320A*006 Extender Backshell, Self-Locking

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Self-locking. 320A*006 extender backshell fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or stainless steel.

PART NUMBER

	320AS006	M	16	-3

Base P/N

Base Part No.		Profile
320AS006	S	Straight
320AH006	H	45°
320AJ006	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

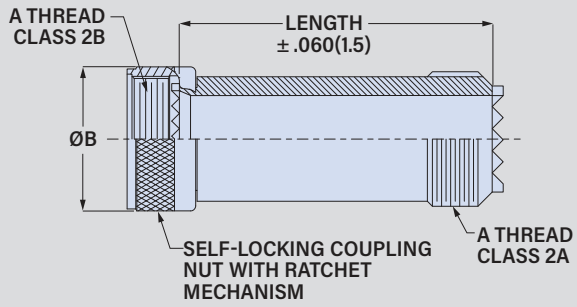
08 10 12 14 16 18 20 22 24 28 32 36 40

Length

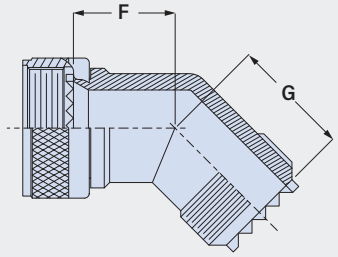
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments, 1.5 inch minimum.

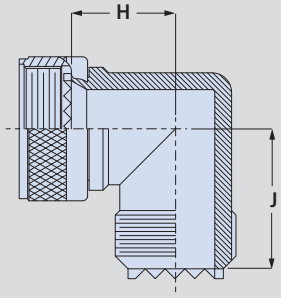
Profile S
Straight



Profile H
45°



Profile J
90°



Shell Size	A Thread	ø B Max. in	ø B Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm
08	0.500-20 UNF	.69	17.5	.986	25.0	.890	22.6	1.096	27.8	1.000	25.4
10	0.625-24 UNEF	.82	20.8	1.016	25.8	.920	23.4	1.166	29.6	1.070	27.2
12	0.750-20 UNEF	.94	23.9	1.038	26.4	.942	23.9	1.226	31.1	1.130	28.7
14	0.875-20 UNEF	1.06	26.9	1.056	26.8	.970	24.6	1.286	32.7	1.190	30.2
16	1.000-20 UNEF	1.17	29.7	1.086	27.6	.990	25.1	1.346	34.2	1.250	31.8
18	1.0625-18 UNEF	1.46	37.1	1.106	28.1	1.010	25.7	1.396	35.5	1.300	33.0
20	1.1875-18 UNEF	1.60	40.6	1.136	28.9	1.040	26.4	1.466	37.2	1.370	34.8
22	1.3125-18 UNEF	1.70	43.2	1.156	29.4	1.060	26.9	1.516	38.5	1.420	36.1
24	1.4375-18 UNEF	1.84	46.7	1.186	30.1	1.090	27.7	1.696	43.1	1.490	37.8
28	1.750-18 UNS	2.01	51.1	1.636	41.6	1.140	29.0	1.826	46.4	1.600	40.6
32	2.000-18 UNS	2.26	57.4	1.766	44.9	1.180	30.0	1.936	49.2	1.690	42.9
36	2.250-16 UN	2.53	64.3	1.876	47.7	1.230	31.2	2.046	52.0	1.800	45.7
40	2.500-16 UN	3.04	77.2	1.986	50.4	1.270	32.3	2.166	55.0	1.910	48.5

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Series 32 Extender Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

327A*060 Extender Backshell, Composite

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Corrosion-free composite. 327A*060 extender backshell fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. High performance thermoplastic.

PART NUMBER

	327AS060	XM	16	-6

Base P/N

Base Part No.		Profile
327AS060	S	Straight
327AH060	T	45°
327AJ060	W	90°

Adapter Finish

XB	No Plating, Black Color
XM	Electroless Nickel
XO	No Plating, Amber Color
XW	Olive Drab Cadmium

Coupling nut is unplated

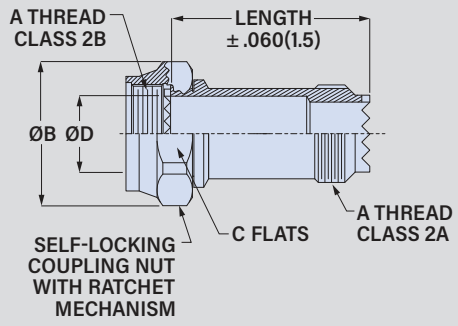
Shell Size: 08 10 12 14 16 18 20 22 24

Length

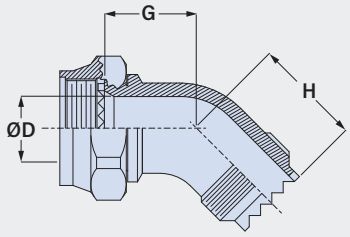
-6	.75 inch
-8	1.0 inch

Applies to Profile S only.

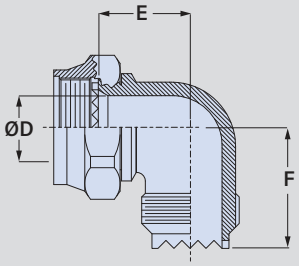
Profile S
Straight



Profile T
45°



Profile W
90°



Shell Size	A Thread	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø D Ref in	ø D Ref mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
08	0.500-20 UNF	.86	21.8	.750	19.1	.250	6.4	.740	18.8	1.000	25.4	.780	19.8	.890	22.6
10	0.625-24 UNEF	.98	24.9	.875	22.2	.375	9.5	.800	20.3	1.060	26.9	.810	20.6	.920	23.4
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.500	12.7	.860	21.8	1.120	28.4	.810	20.6	.940	23.9
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.625	15.9	.930	23.6	1.190	30.2	.820	20.8	.970	24.6
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.750	19.1	.990	25.1	1.250	31.8	.840	21.3	.990	25.1
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.844	21.4	1.050	26.7	1.310	33.3	.850	21.6	1.000	25.4
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	.968	24.6	1.120	28.4	1.380	35.1	.880	22.4	1.030	26.2
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.094	27.8	1.180	30.0	1.440	36.6	.920	23.4	1.070	27.2
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.219	31.0	1.240	31.5	1.500	38.1	.970	24.6	1.080	27.4

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Series 32 Extender Backshells

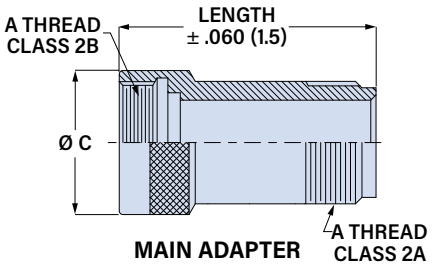
for AS50151 Solder Connectors

320BS002 Extender Backshell, Direct Coupling

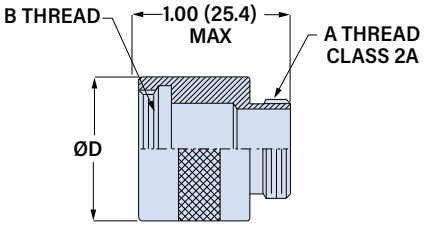
Direct coupling. 320BS002 extender fits AS50151 (MS3100) solder connectors. Includes universal thread adapters as required to assure compatibility with all connector manufacturers. Direct coupling, Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end.

Adapter Code B

Fits AS50151 Series 1 AN type solder Connectors . AS310*1, MS3100.



MAIN ADAPTER



THREAD ADAPTER
AS REQUIRED- SEE TABLE

PART NUMBER — 320BS002 | NF | 16 | -3 | A

Base P/N	**320BS002**	
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated	
Shell Size	**05** 10S, **08** 10SL, **11** 12, 12S, **14** 14, 14S, **15** 16, 16S, **16** 18, **17** 20, **20** 22, **21** 24, **22** 28, **23** 32, **26** 36, **31** 40	
Length	**-3** 1.5 inches **-4** 2.0 inches **-5** 2.5 inches **-6** 3.0 inches	*Length in ½ inch increments. 1.5 inch minimum.*
Connector Manufacturer Code	**A** Universal	*Compatible with all manufacturers. Includes additional thread adapter(s) as necessary to fit multiple manufacturers.*

Shell Size Code	Shell Size	A THD. Main Adapter Class 2B	B THD. Thread Adapter Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A
21	24	1.3750-18 UNEF	N/A	1.468	37.3	N/A	N/A
22	28	1.6250-18 UNEF	N/A	1.593	40.5	N/A	N/A
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1

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Series 32 Extender Backshells

for MIL-DTL-26482 Series I Connectors

320DS002 Extender Backshell, Direct Coupling

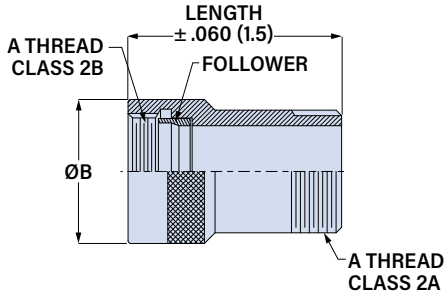
Adapter Code D

This accessory fits MIL-DTL-26482 Series I connectors

Direct coupling. 320DS002 extender backshell fits MIL-DTL-26482 Series I connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Aluminum or stainless steel.

PART NUMBER 320DS002 | NF | 16 | -3

Base P/N	**320DS002**
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated
Shell Size	**08 10 12 14 16 18 20 22 24**
Length	**-3** 1.5 inches **-4** 2.0 inches **-5** 2.5 inches **-6** 3.0 inches *Length in ½ inch increments, 1.5 inch minimum.*



Shell Size	A Thread UNEF	øB Max. in	mm
08	0.4375-28	.59	15.0
10	0.5625-24	.72	18.3
12	0.6875-24	.84	21.3
14	0.8125-20	.97	24.6
16	0.9375-20	1.09	27.7
18	1.0625-18	1.22	31.0
20	1.1875-18	1.34	34.0
22	1.3125-18	1.47	37.3
24	1.4375-18	1.59	40.4

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Series 32 Extender Backshells

for MIL-DTL-38999 Series I and II Connectors

320F*001 Extender Backshell, Spin Coupling

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Spin coupling. 320F*001 extender backshell fits MIL-DTL-38999 Series I and II connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Aluminum or stainless steel.

PART NUMBER 320FS001 | M | 16 | -3

Base P/N

Base Part No.		Profile
320FS001	S	Straight
320FH001	H	45°
320FJ001	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

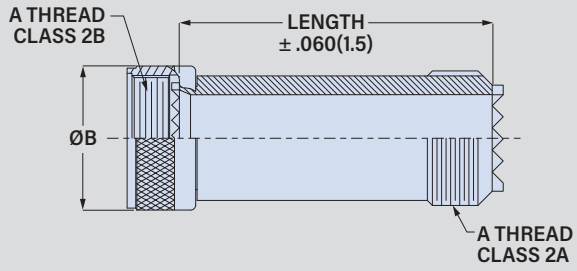
	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Length

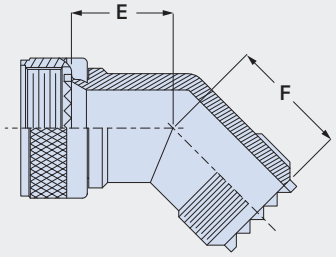
-2	1.0 inch
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments, 1.5 inch minimum.

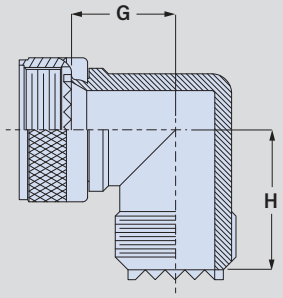
Profile S
Straight



Profile H
45°



Profile J
90°



Shell Size	A Thread UNEF	øB Max in	øB Max mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm
8/9	0.4375-28	.650	16.5	.830	21.1	.890	22.6	.940	23.9	1.000	25.4
10/11	0.5625-24	.770	19.6	.860	21.8	.920	23.4	1.010	25.7	1.070	27.2
12/13	0.6875-24	.890	22.6	.882	22.4	.942	23.9	1.070	27.2	1.130	28.7
14/15	0.8125-20	1.020	25.9	.900	22.9	.970	24.6	1.130	28.7	1.190	30.2
16/17	0.9375-20	1.150	29.2	.930	23.6	.990	25.1	1.190	30.2	1.250	31.8
18/19	1.0625-18	1.230	31.2	.950	24.1	1.010	25.7	1.240	31.5	1.300	33.0
20/21	1.1875-18	1.360	34.5	.980	24.9	1.040	26.4	1.310	33.3	1.370	34.8
22/23	1.3125-18	1.480	37.6	1.000	25.4	1.060	26.9	1.360	34.5	1.420	36.1
24/25	1.4375-18	1.730	43.9	1.030	26.2	1.090	27.7	1.540	39.1	1.490	37.8

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REV 01.28.25

Series 32 Extender Backshells

for MIL-DTL-38999 Series I and II Connectors

320FS002 Extender Backshell, Direct Coupling

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Direct coupling. Low profile. 320FS002 extender backshell fits MIL-DTL-38999 Series I and II connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Aluminum or stainless steel.

PART NUMBER

	320FS002	NF	16	-3

Base P/N — 320FS002

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

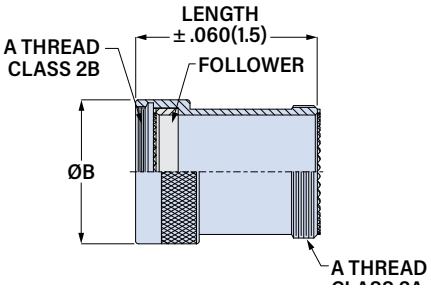
Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Length

-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Length in ½ inch increments, 1.5 inch minimum.



Shell Size	A Thread UNEF-2B	ø B Max. in	ø B Max. mm
8/9	0.4375-28	.59	15.0
10/11	0.5625-24	.72	18.3
12/13	0.6875-24	.84	21.3
14/15	0.8125-20	.97	24.6
16/17	0.9375-20	1.09	27.7
18/19	1.0625-18	1.22	31.0
20/21	1.1875-18	1.34	34.0
22/23	1.3125-18	1.47	37.3
24/25	1.4375-18	1.59	40.4

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Series 32 Extender Backshells

for MIL-DTL-38999 Series I and II Connectors

320F*006 Extender Backshell, Self-Locking

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Self-locking. 320F*006 extender backshell fits MIL-DTL-38999 Series I and II connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or stainless steel.

PART NUMBER

	320FS006	M	16	-3

Base P/N

Base Part No.		Profile
320FS006	S	Straight
320FH006	H	45°
320FJ006	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

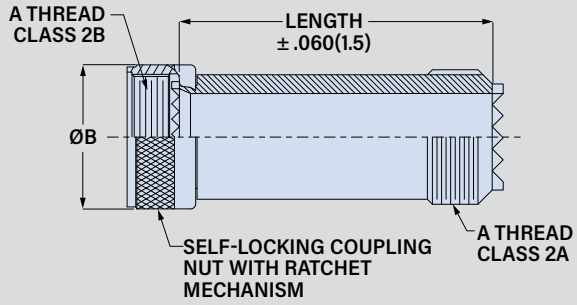
	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Length

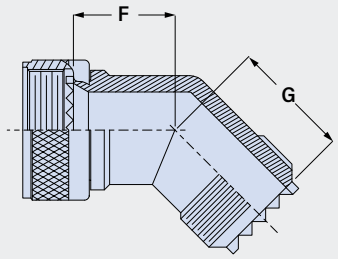
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments, 1.5 inch minimum.

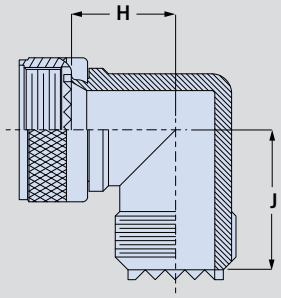
Profile S
Straight



Profile H
45°



Profile J
90°



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm
8/9	0.4375-28	.860	21.8	.986	25.0	.890	22.6	1.096	27.8	1.000	25.4
10/11	0.5625-24	.970	24.6	1.016	25.8	.920	23.4	1.166	29.6	1.070	27.2
12/13	0.6875-24	1.110	28.2	1.038	26.4	.942	23.9	1.226	31.1	1.130	28.7
14/15	0.8125-20	1.210	30.7	1.056	26.8	.970	24.6	1.286	32.7	1.190	30.2
16/17	0.9375-20	1.350	34.3	1.086	27.6	.990	25.1	1.346	34.2	1.250	31.8
18/19	1.0625-18	1.460	37.1	1.106	28.1	1.010	25.7	1.396	35.5	1.300	33.0
20/21	1.1875-18	1.600	40.6	1.136	28.9	1.040	26.4	1.466	37.2	1.370	34.8
22/23	1.3125-18	1.700	43.2	1.156	29.4	1.060	26.9	1.516	38.5	1.420	36.1
24/25	1.4375-18	1.840	46.7	1.186	30.1	1.090	27.7	1.696	43.1	1.490	37.8

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Series 32 Extender Backshells

for MIL-DTL-38999 Series I and II Connectors

327F*060 Extender Backshell, Composite

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Corrosion-free composite. 327F*060 extender backshell fits MIL-DTL-38999 Series I and II connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. High performance thermoplastic.

PART NUMBER

	327FS060	XM	16	-6

Base P/N

Base Part No.		Profile
327FS060	S	Straight
327FT060	T	45°
327FW060	W	90°

Adapter Finish

XB	No Plating, Black Color	*Coupling nut is unplated*
XM	Electroless Nickel	
XO	No Plating, Amber Color	
XW	Olive Drab Cadmium	

Shell Size

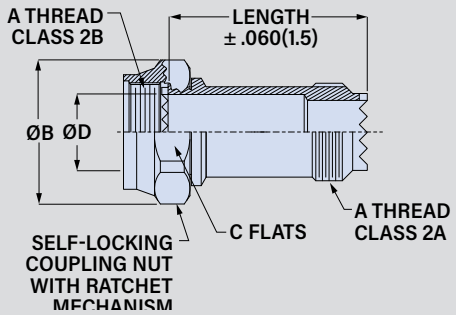
Shell Size									
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Length

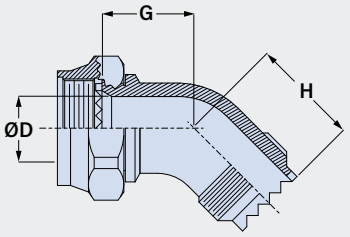
-6	.75 inch
-8	1.0 inch

Applies to Profile S only.

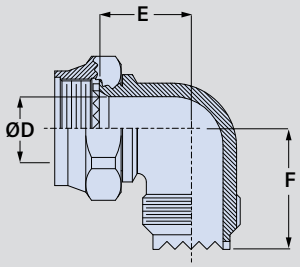
Profile S
Straight



Profile T
45°



Profile W
90°



Shell Size	A Thread UNEF-2B	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø D Ref in	ø D Ref mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
8/9	0.4375-28	.86	21.8	.750	19.1	.250	6.4	.740	18.8	1.000	25.4	.780	19.8	.890	22.6
10/11	0.5625-24	.98	24.9	.875	22.2	.375	9.5	.800	20.3	1.060	26.9	.810	20.6	.920	23.4
12/13	0.6875-24	1.16	29.5	1.000	25.4	.500	12.7	.860	21.8	1.120	28.4	.810	20.6	.940	23.9
14/15	0.8125-20	1.28	32.5	1.125	28.6	.625	15.9	.930	23.6	1.190	30.2	.820	20.8	.970	24.6
16/17	0.9375-20	1.41	35.8	1.250	31.8	.750	19.1	.990	25.1	1.250	31.8	.840	21.3	.990	25.1
18/19	1.0625-18	1.52	38.6	1.375	34.9	.844	21.4	1.050	26.7	1.310	33.3	.850	21.6	1.000	25.4
20/21	1.1875-18	1.64	41.7	1.500	38.1	.968	24.6	1.120	28.4	1.380	35.1	.880	22.4	1.030	26.2
22/23	1.3125-18	1.77	45.0	1.625	41.3	1.094	27.8	1.180	30.0	1.440	36.6	.920	23.4	1.070	27.2
24/25	1.4375-18	1.89	48.0	1.750	44.5	1.219	31.0	1.240	31.5	1.500	38.1	.970	24.6	1.080	27.4

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Series 32 Extender Backshells

for MIL-DTL-38999 Series III and IV Connectors

320H*001 Extender Backshell, Spin Coupling

Spin coupling. 320H*001 extender backshell fits MIL-DTL-38999 Series III and IV connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Aluminum or stainless steel.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

PART NUMBER

	320HS001	MT	17	-3

Base P/N

Base Part No.	Profile
320HS001	S Straight
320HH001	H 45°
320HJ001	J 90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

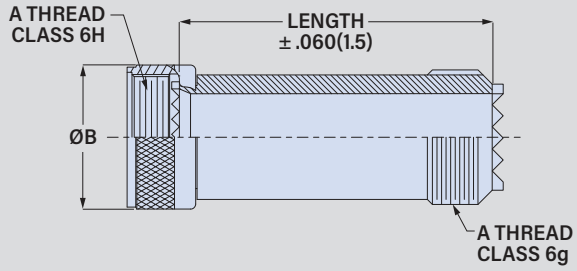
Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Length

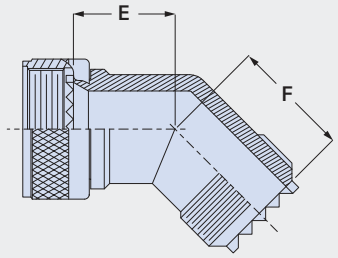
-2	1.0 inch
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Applies to Profile S only.
Length in ½ inch increments.

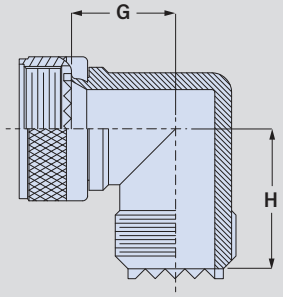
Profile S
Straight



Profile H
45°



Profile J
90°



Shell Size	A Thread	øB Max in	øB Max mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm
9 (A)	M12X1.0	.770	19.6	.830	21.1	.890	22.6	.940	23.9	1.000	25.4
11 (B)	M15X1.0	.840	21.3	.860	21.8	.920	23.4	1.010	25.7	1.070	27.2
13 (C)	M18X1.0	.960	24.4	.882	22.4	.942	23.9	1.070	27.2	1.130	28.7
15 (D)	M22X1.0	1.090	27.7	.900	22.9	.970	24.6	1.130	28.7	1.190	30.2
17 (E)	M25X1.0	1.230	31.2	.930	23.6	.990	25.1	1.190	30.2	1.250	31.8
19 (F)	M28X1.0	1.360	34.5	.950	24.1	1.010	25.7	1.240	31.5	1.300	33.0
21 (G)	M31X1.0	1.480	37.6	.980	24.9	1.040	26.4	1.310	33.3	1.370	34.8
23 (H)	M34X1.0	1.600	40.6	1.000	25.4	1.060	26.9	1.360	34.5	1.420	36.1
25 (J)	M37X1.0	1.720	43.7	1.030	26.2	1.090	27.7	1.540	39.1	1.490	37.8

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Rev. 01.28.25

Series 32 Extender Backshells

for MIL-DTL-38999 Series III and IV Connectors

320HS002 Extender Backshell, Direct Coupling

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Direct coupling. Low profile. 320FS002 extender backshell fits MIL-DTL-38999 Series III and IV connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Aluminum or stainless steel.

PART NUMBER

	320HS002	NF	17	-3

Base P/N — 320HS002

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

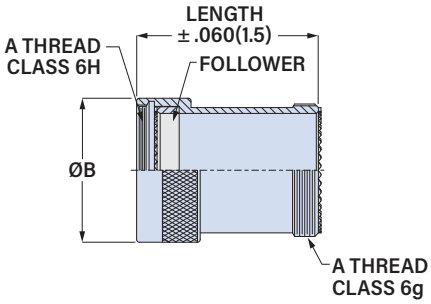
Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Length

-2	1.0 inch
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Length in ½ inch increments



Shell Size	A Thread	ø B Max. in	ø B Max. mm
9 (A)	M12X1.0	.65	16.5
11 (B)	M15X1.0	.77	19.6
13 (C)	M18X1.0	.89	22.6
15 (D)	M22X1.0	1.03	26.2
17 (E)	M25X1.0	1.15	29.2
19 (F)	M28X1.0	1.28	32.5
21 (G)	M31X1.0	1.41	35.8
23 (H)	M34X1.0	1.53	38.9
25 (J)	M37X1.0	1.66	42.2

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320H*006 Extender Backshell, Self-Locking

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Self-locking. 320H*006 extender backshell fits MIL-DTL-38999 Series III and IV connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or stainless steel.

PART NUMBER

			320HS006	ZR	19	-3

Base P/N

Base Part No.		Profile
320HS006	S	Straight
320HH006	H	45°
320HJ006	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

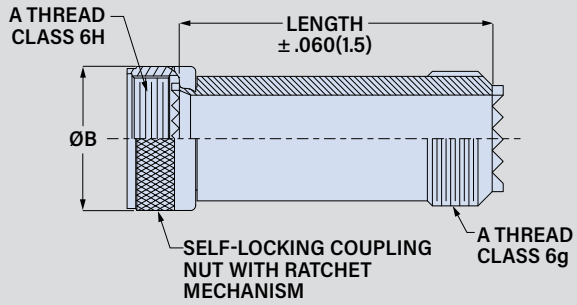
Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Length

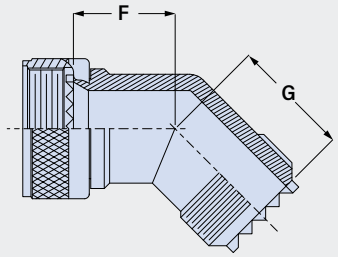
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments, 1.5 inch minimum.

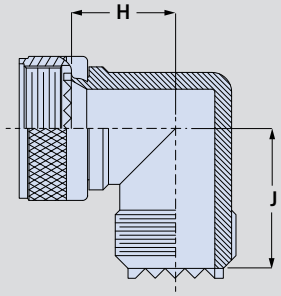
Profile S
Straight



Profile H
45°



Profile J
90°



Shell Size	A Thread	øB Max in	øB Max mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm
9 (A)	M12X1.0	.94	24.8	.986	25.0	.890	22.6	1.096	27.8	1.000	25.4
11 (B)	M15X1.0	1.06	26.9	1.016	25.8	.920	23.4	1.166	29.6	1.070	27.2
13 (C)	M18X1.0	1.17	29.7	1.038	26.4	.942	23.9	1.226	31.1	1.130	28.7
15 (D)	M22X1.0	1.29	32.7	1.056	26.8	.970	24.6	1.286	32.7	1.190	30.2
17 (E)	M25X1.0	1.42	36.1	1.086	27.6	.990	25.1	1.346	34.2	1.250	31.8
19 (F)	M28X1.0	1.54	39.1	1.106	28.1	1.010	25.7	1.396	35.5	1.300	33.0
21 (G)	M31X1.0	1.67	42.4	1.136	28.9	1.040	26.4	1.466	37.2	1.370	34.8
23 (H)	M34X1.0	2.01	51.1	1.156	29.4	1.060	26.9	1.516	38.5	1.420	36.1
25 (J)	M37X1.0	2.12	53.8	1.186	30.1	1.090	27.7	1.696	43.1	1.490	37.8

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Series 32 Extender Backshells

for MIL-DTL-38999 Series III and IV Connectors

327H*060 Extender Backshell, Composite

Self-Locking

Adapter Code H

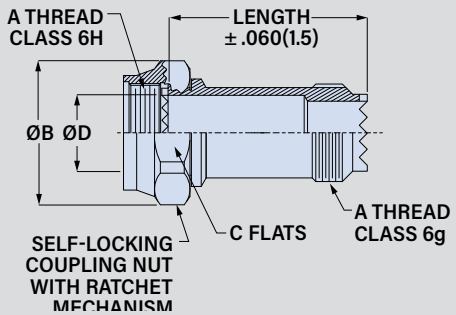
This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Corrosion-free composite. 327H*060 extender backshell fits MIL-DTL-38999 Series III and IV connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. High performance thermoplastic.

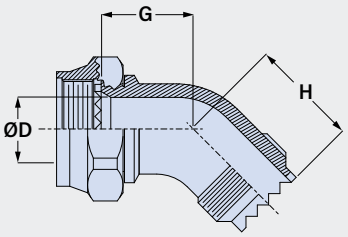
PART NUMBER 327HS060 | XM | 15 | -6

Base P/N	Base Part No.	Profile
	327HS060	S Straight
	327HT060	T 45°
	327HW060	W 90°
Adapter Finish	XB No Plating, Black Color XM Electroless Nickel XO No Plating, Amber Color XW Olive Drab Cadmium	*Coupling nut is unplated*
Shell Size	Shell Size: 9 11 13 15 17 19 21 23 25 A B C D E F G H J Size Code: 09 11 13 15 17 19 21 23 25	
Length	-6 .75 inch -8 1.0 inch	*Applies to Profile S only.*

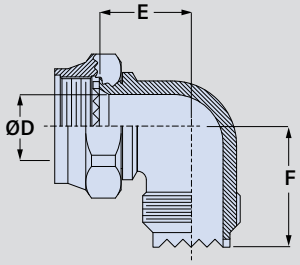
Profile S
Straight



Profile T
45°



Profile W
90°



Shell Size	A Thread	ø B Max in	ø B Max mm	C Hex Flats in	C Hex Flats mm	ø D Ref in	ø D Ref mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
9 (A)	M12X1.0	.86	21.8	.750	19.1	.250	6.4	.740	18.8	1.000	25.4	.780	19.8	.890	22.6
11 (B)	M15X1.0	.98	24.9	.875	22.2	.375	9.5	.800	20.3	1.060	26.9	.810	20.6	.920	23.4
13 (C)	M18X1.0	1.16	29.5	1.000	25.4	.500	12.7	.860	21.8	1.120	28.4	.810	20.6	.940	23.9
15 (D)	M22X1.0	1.28	32.5	1.125	28.6	.625	15.9	.930	23.6	1.190	30.2	.820	20.8	.970	24.6
17 (E)	M25X1.0	1.41	35.8	1.250	31.8	.750	19.1	.990	25.1	1.250	31.8	.840	21.3	.990	25.1
19 (F)	M28X1.0	1.52	38.6	1.375	34.9	.844	21.4	1.050	26.7	1.310	33.3	.850	21.6	1.000	25.4
21 (G)	M31X1.0	1.64	41.7	1.500	38.1	.968	24.6	1.120	28.4	1.380	35.1	.880	22.4	1.030	26.2
23 (H)	M34X1.0	1.77	45.0	1.625	41.3	1.094	27.8	1.180	30.0	1.440	36.6	.920	23.4	1.070	27.2
25 (J)	M37X1.0	1.89	48.0	1.750	44.5	1.219	31.0	1.240	31.5	1.500	38.1	.970	24.6	1.080	27.4

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Series 32 Extender Backshells

for MIL-DTL-38999 Series III and IV Connectors

320H*030 Extender Backshell, Self-Locking, Expanded Clearance

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Self-locking. Extra clearance for #8 contacts. 320H*030 extender backshell fits MIL-DTL-38999 Series III and IV connectors. Extender provides extra clearance for #8 coaxial, twinax, quadrax and octaxial contacts with sealing boots. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or stainless steel with silicone O-ring.

PART NUMBER

	320HS030	ME	13	-4

Base P/N

Base Part No.		Profile
320HS030	S	Straight
320HM030	M	45°
320HN030	N	90°

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

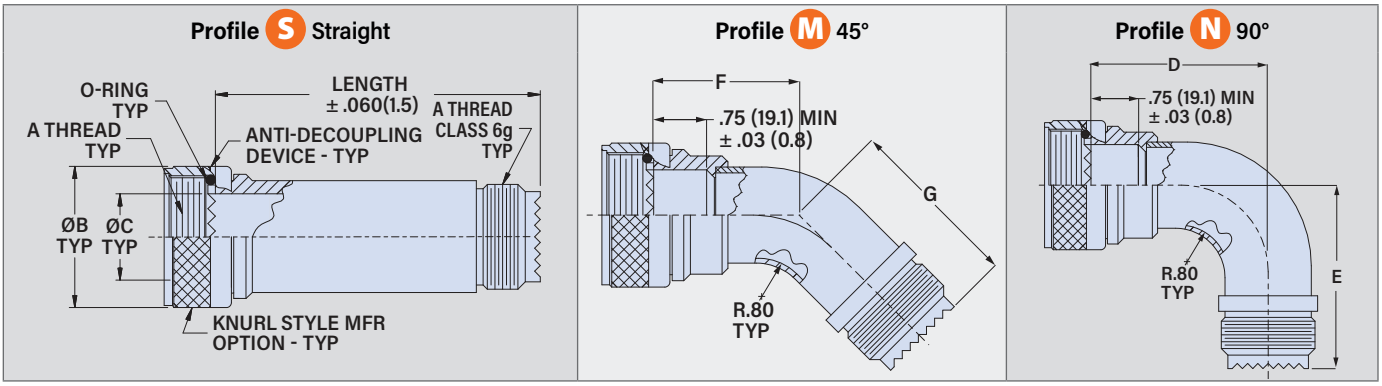
Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Length

-2	1.0 inches	-4	2.0 inches
-3	1.5 inches	-5	2.5 inches

Shell Size	A Thread	øB Max in	øB Max mm	øC Min. in	øC Min. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm
9 (A)	M12X1.0	.94	24.8	.372	9.45	1.893	48.1	1.483	37.7	1.433	36.4	1.023	26.0
11 (B)	M15X1.0	1.06	26.9	.470	11.94	1.955	49.7	1.545	39.2	1.460	37.1	1.050	26.7
13 (C)	M18X1.0	1.17	29.7	.584	14.83	2.107	53.5	1.697	43.1	1.485	37.7	1.075	27.3
15 (D)	M22X1.0	1.29	32.7	.709	18.01	2.170	55.1	1.760	44.7	1.541	39.1	1.131	28.7
17 (E)	M25X1.0	1.42	36.1	.834	21.18	2.275	57.8	1.865	47.4	1.580	40.1	1.170	29.7
19 (F)	M28X1.0	1.54	39.1	.940	23.88	2.338	59.4	1.928	49.0	1.606	40.8	1.196	30.4
21 (G)	M31X1.0	1.67	42.4	1.065	27.05	2.399	60.9	1.989	50.5	1.588	40.3	1.178	29.9
23 (H)	M34X1.0	2.01	51.1	1.190	30.23	2.420	61.5	2.010	51.1	1.610	40.9	1.200	30.5
25 (J)	M37X1.0	2.12	53.8	1.315	33.40	2.525	64.1	2.115	53.7	1.641	41.7	1.231	31.3



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Series 32 Extender Backshells

for MIL-DTL-38999 Series III and IV Connectors

320HS031 Extender Backshell, Composite, Expanded Clearance

Self-Locking

Adapter Code H

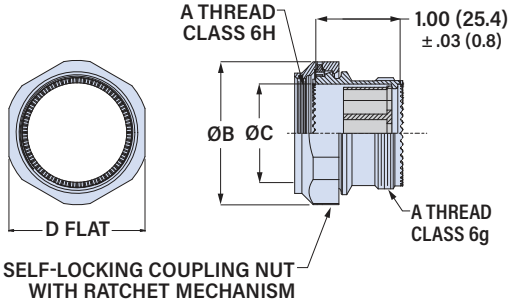
This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Self-locking. Extra clearance for #8 contacts. 320HS031 extender backshell fits MIL-DTL-38999 Series III and IV connectors. Extender provides extra clearance for #8 coax, twinax, quadrax and octaxial contacts with sealing boots. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. High performance thermoplastic.

PART NUMBER

	320HS031	XM	25
Base P/N	**320HS031**		
Finish	**XM** Electroless Nickel **XW** Cadmium Olive Drab Over Electroless Nickel **XB** No Plating, Black **XO** No Plating, Natural **XMT** 2000 Hour Corrosion Resistant Ni-Ptfe, Nickel-Flourocarbon Polymer, 1000 Hr Grey **XTD** 2000 Hour Corrosion Resistant Ni-Ptfe, Nickel-Flourocarbon Polymer, 1000 Hr Grey - Enhanced **XMD** 2000 Hour Corrosion Resistant Electroless Nickel - Enhanced	*Coupling nut is unplated*	

Shell Size										
	Shell Size	9	11	13	15	17	19	21	23	25
		A	B	C	D	E	F	G	H	J
	Size Code	**09**	**11**	**13**	**15**	**17**	**19**	**21**	**23**	**25**



Shell Size	A Thread	øB Max		øC Min		D Hex Flats Max		D Hex Flats Min	
		in	mm	in	mm	in	mm	in	mm
9 (A)	M12X1.0	.812	20.6	.304	7.7	.750	19.1	736	18.69
11 (B)	M15X1.0	.938	23.8	.432	11.0	.875	22.2	.860	21.84
13 (C)	M18X1.0	1.125	28.6	.546	13.9	1.000	25.4	.980	24.89
15 (D)	M22X1.0	1.250	31.8	.671	17.0	1.125	28.6	1.100	27.94
17 (E)	M25X1.0	1.375	34.9	.796	20.2	1.250	31.8	1.224	31.09
19 (F)	M28X1.0	1.500	38.1	.902	22.9	1.375	34.9	1.348	34.24
21 (G)	M31X1.0	1.625	41.3	1.027	26.1	1.500	38.1	1.469	37.31
23 (H)	M34X1.0	1.750	44.5	1.152	29.3	1.625	41.3	1.581	40.16
25 (J)	M37X1.0	1.875	47.6	1.287	32.7	1.750	44.5	1.690	42.93

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Series 32 Extender Backshells

for MIL-DTL-28840 Connectors

320G*001 Extender Backshell, Spin Coupling

Adapter Code G

This accessory fits MIL-DTL-28840 and Glenair Series 901 Connectors

Spin coupling. 320G*001 extender backshell fits MIL-DTL-28840 connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Aluminum or stainless steel.

PART NUMBER 320GS001 | TZ | 17 | -3

Base P/N

Base Part No.		Profile
320GS001	S	Straight
320GH001	H	45°
320GJ001	J	90°

Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Cadmium, Olive Drab
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated
ZU	SST/Cadmium, Black
ZTZ	SST/Tin-Zinc

Shell Size

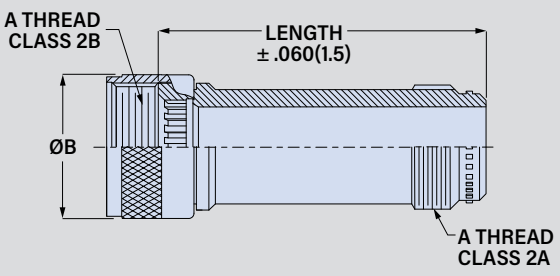
Shell Size	11	13	15	17	19	23	25	29	33
Size Code	A	B	C	D	E	F	G	H	J

Length

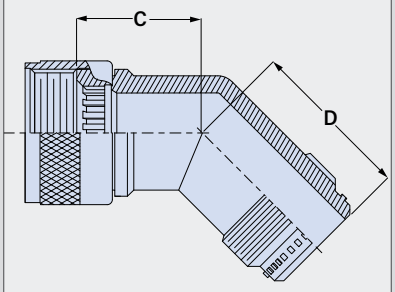
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Applies to Profile S only.
Length in ½ inch increments.

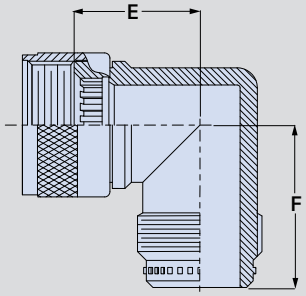
Profile S Straight



Profile H 45°



Profile J 90°



Size Code	Shell Size	A Thread	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm
11	A (11)	.750-20 UNEF	.94	23.9	1.240	31.5	1.080	27.4	1.380	35.1	1.210	30.7
13	B (13)	.875-20 UNEF	1.07	27.7	1.260	32.0	1.100	27.9	1.440	36.6	1.260	32.0
15	C (15)	1.000-20 UNEF	1.21	30.7	1.290	32.8	1.120	28.4	1.500	38.1	1.350	34.3
17	D (17)	1.125-18 UNEF	1.41	35.7	1.310	33.3	1.150	29.2	1.570	39.9	1.420	36.1
19	E (19)	1.250-18 UNEF	1.53	38.9	1.340	34.0	1.180	30.0	1.630	41.4	1.490	37.8
23	F (23)	1.438-18 UNEF	1.73	43.9	1.380	35.1	1.220	31.0	1.730	43.9	1.570	39.9
25	G (25)	1.562-18 UNEF	1.82	46.3	1.410	35.8	1.250	31.8	1.800	45.7	1.640	41.7
29	H (29)	1.875-16 UN	2.14	54.4	1.580	40.1	1.430	36.3	2.040	51.8	1.900	48.3
33	J (33)	2.062-16 UNS	2.33	59.1	1.620	41.1	1.470	37.3	2.130	54.1	1.980	50.3

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Series 32 Extender Backshells

for Series 80 Mighty Mouse Connectors

320M*001 Extender Backshell, Spin Coupling

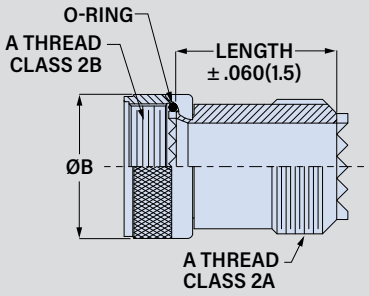
Spin coupling. 320M*001 extender backshell fits Glenair's Series 80 Mighty Mouse connectors. Extender provides extra room for wiring. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Aluminum or stainless steel with silicone O-ring.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

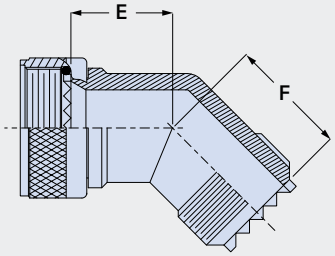
Profile S

Straight



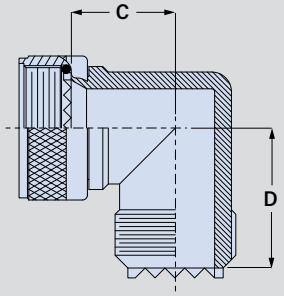
Profile K

45°



Profile L

90°



PART NUMBER

320MS001 | M | 16 | -3

Base P/N

Base Part No.		Profile
320MS001	S	Straight
320MK001	K	45°
320ML001	L	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Size Code

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	Coupling Nut Thread UNEF-2B
05	5	N/A	0.250-32
06	6	N/A	0.3125-32
11	N/A	8	0.3750-32
07	7	9	0.4375-28
08	8	10	0.500-28
09	9	11	0.5625-24
10	10	12	0.625-24
12	11, 12, 13	13	0.6875-24
13	N/A	15	0.750-20
14	14, 15, 16, 17	18, 19	0.9375-20
16	19	21	1.0625-18
17	21	23	1.1875-18

Length

-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments, 1.5 inch minimum.

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm
05	5	N/A	0.250-32	.470	11.9	.640	16.3	.770	19.6	.550	14.0	.600	15.2
06	6	N/A	0.3125-32	.530	13.5	.670	17.0	.810	20.6	.570	14.5	.610	15.5
11	N/A	8	0.3750-32	.570	14.5	.690	17.5	.830	21.1	.580	14.7	.620	15.7
07	7	9	0.4375-28	.637	16.2	.730	18.5	.860	21.8	.600	15.2	.630	16.0
08	8	10	0.500-28	.700	17.8	.760	19.3	.890	22.6	.610	15.5	.640	16.3
09	9	11	0.5625-24	.758	19.3	.790	20.1	.920	23.4	.620	15.7	.650	16.5
10	10	12	0.625-24	.819	20.8	.820	20.8	.950	24.1	.630	16.0	.670	17.0
12	11, 12, 13	13	0.6875-24	.896	22.8	.860	21.8	.990	25.1	.650	16.5	.680	17.3
13	N/A	15	0.750-20	.930	23.6	.900	22.9	1.040	26.4	.670	17.0	.700	17.8
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9	.980	24.9	1.110	28.2	.700	17.8	.730	18.5
16	19	21	1.0625-18	1.230	31.2	1.010	25.7	1.140	29.0	.720	18.3	.750	19.1
17	21	23	1.1875-18	1.387	35.2	1.070	27.2	1.200	30.5	.740	18.8	.770	19.6

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Series 32 Extender Backshells

for Series 80 Mighty Mouse Connectors

320M*030 Extender Backshell, Self-Locking, Expanded Clearance

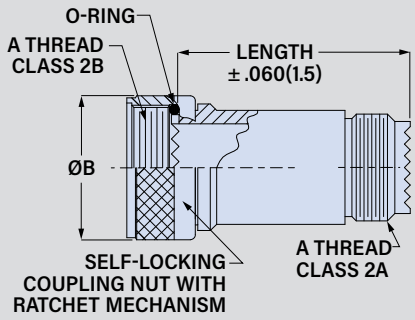
Self-Locking

Adapter Code M

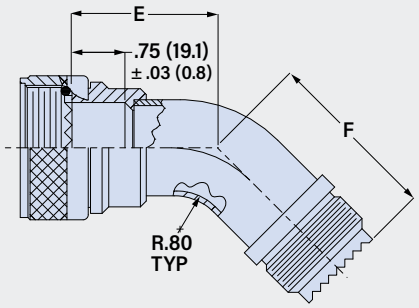
This accessory fits Series 80 Mighty Mouse Connectors

Self-locking. Extra clearance for #8 contacts. 320M*030 extender backshell fits Glenair's Series 80 Mighty Mouse connectors. Extender provides extra clearance for #8 coax, twinax, quadrax and octaxial contacts with sealing boots. Back end of extender is identical to connector back end. Attach cable clamp or backshell to extender. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or stainless steel with silicone O-ring.

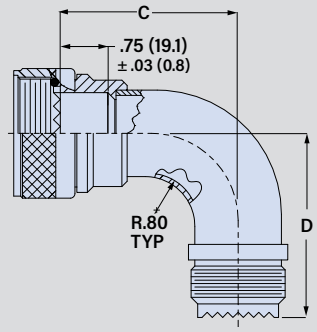
Profile S Straight



Profile M 45°



Profile N 90°



PART NUMBER

320MS030	ME	16	-8

Base P/N

Base Part No.		Profile
320MS030	S	Straight
320MM030	M	45°
320MN030	N	90°

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Size Code

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	Coupling Nut Thread UNEF-2B
11	N/A	8	0.3750-32
07	7	9	0.4375-28
08	8	10	0.500-28
09	9	11	0.5625-24
10	10	12	0.625-24
12	11, 12, 13	13	0.6875-24
13	N/A	15	0.750-20
14	14, 15, 16, 17	18, 19	0.9375-20
16	19	21	1.0625-18
17	21	23	1.1875-18

Length

-8	2.0 inches
-10	2.5 inches
-12	3.0 inches
-14	3.5 inches

Applies to Profile S only. Length in ¼ inch increments, 2 inch minimum.

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm
11	N/A	8	0.3750-32	.763	19.4	1.893	48.1	1.393	35.4	1.433	36.4	.933	23.7
07	7	9	0.4375-28	.782	19.9	1.893	48.1	1.393	35.4	1.433	36.4	.933	23.7
08	8	10	0.500-28	.803	20.4	1.955	49.7	1.455	37.0	1.460	37.1	.960	24.4
09	9	11	0.5625-24	.950	24.1	1.955	49.7	1.455	37.0	1.460	37.1	.960	24.4
10	10	12	0.625-24	1.034	26.3	2.107	53.5	1.607	40.8	1.485	37.7	.985	25.0
12	11, 12, 13	13	0.6875-24	1.076	27.3	2.107	53.5	1.607	40.8	1.485	37.7	.985	25.0
13	N/A	15	0.750-20	1.170	29.7	2.170	55.1	1.670	42.4	1.541	39.1	1.041	26.4
14	14, 15, 16, 17	18, 19	0.9375-20	1.320	33.5	2.275	57.8	1.775	45.1	1.580	40.1	1.080	27.4
16	19	21	1.0625-18	1.470	37.3	2.338	59.4	1.838	46.7	1.606	40.8	1.106	28.1
17	21	23	1.1875-18	1.582	40.2	2.399	60.9	1.899	48.2	1.588	40.3	1.088	27.6

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Series 32 Extender Backshells

for Series 806 Mil-Aero Connectors

320V*030 Extender Backshell, Self-Locking, Expanded Clearance

Self-Locking

Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

Self-locking. Extra clearance for #8 contacts. 320V*030 extender backshell fits Glenair's Series 806 Mil-Aero connectors. Extender provides extra clearance for #8 coax, twinax, quadrax and octaxial contacts with sealing boots. Back end of extender is identical to connector back end. Attach cable clamp or backshell to back end. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or stainless steel with silicone O-ring.

PART NUMBER

	320VS030	ME	20	-8

Base P/N

Base Part No.		Profile
320VS030	S	Straight
320VM030	M	45°
320VN030	N	90°

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

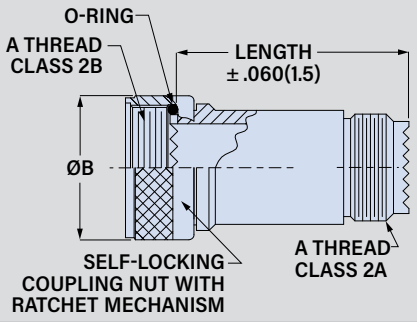
08 09 10 11 12 14 16 18 20 22 24

Length

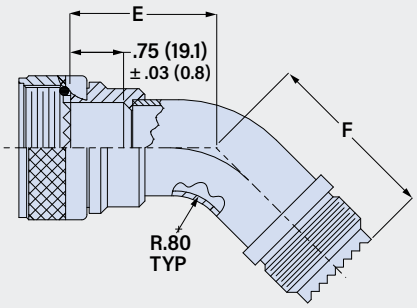
-8	2.0 inches
-10	2.5 inches
-12	3.0 inches
-14	3.5 inches

Applies to Profile S only. Length in ¼ inch increments, 2 inch minimum.

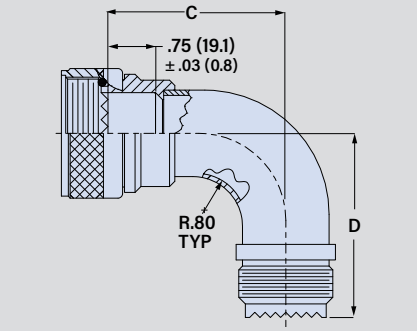
Profile S Straight



Profile M 45°



Profile N 90°



Shell Size	A Thread	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm
08	M10X1.0-6H	.710	18.0	1.893	48.1	1.393	35.4	1.433	36.4	.933	23.7
09	M12X1.0-6H	.790	20.1	1.893	48.1	1.393	35.4	1.433	36.4	.933	23.7
10	M14X1.0-6H	.890	22.6	1.955	49.7	1.455	37.0	1.460	37.1	.960	24.4
11	M15X1.0-6H	.930	23.6	1.955	49.7	1.455	37.0	1.460	37.1	.960	24.4
12	M17X1.0-6H	1.010	25.7	2.107	53.5	1.607	40.8	1.485	37.7	.985	25.0
14	M19X1.0-6H	1.090	27.7	2.107	53.5	1.607	40.8	1.485	37.7	.985	25.0
16	M22X1.0-6H	1.210	30.7	2.170	55.1	1.670	42.4	1.541	39.1	1.041	26.4
18	M25X1.0-6H	1.330	33.8	2.275	57.8	1.775	45.1	1.580	40.1	1.080	27.4
20	M28X1.0-6H	1.450	36.8	2.338	59.4	1.838	46.7	1.606	40.8	1.106	28.1
22	M31X1.0-6H	1.570	39.9	2.399	60.9	1.899	48.2	1.588	40.3	1.088	27.6
24	M34X1.0-6H	1.710	43.4	2.420	61.5	1.920	48.8	1.610	40.9	1.110	28.2

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- **Fast turnaround on requests for unusual and build-to-print requirements**

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Series 33 NPT Adapters

Selection Guide

Series 33 NPT Adapters

Series 33 NPT Adapters feature tapered pipe threads for attaching conduit or hose fittings to connectors. These adapters are compatible with AS50151 and MIL-DTL-38999 connectors.

Styles

1

NPT Adapter,
Spin Coupling, External Threads

2

NPT Adapter,
Spin Coupling, Internal Threads

3

NPT Adapter,
Direct Coupling, External Threads

4

NPT Adapter,
Direct Coupling, Internal Threads

Adapter Code **A** AS50151 crimp AS95234 MIL-DTL-26482 Ser. II MIL-DTL-83723 Ser. III	 NPT Adapter, Spin Coupling, External Threads 330AS001 Page 33-2	 NPT Adapter, Spin Coupling, Internal Threads 330AS002 Page 33-2
Adapter Code **B** AS50151 Solder	 NPT Adapter, Direct Coupling, External Threads 330BS003 Page 33-3	 NPT Adapter, Direct Coupling, Internal Threads 330BS004 Page 33-3
Adapter Code **F** MIL-DTL-38999 Series I and II	 NPT Adapter, Spin Coupling, External Threads 330FS001 Page 33-4	 NPT Adapter, Spin Coupling, Internal Threads 330FS002 Page 33-4
Adapter Code **H** MIL-DTL-38999 Series III and IV	 NPT Adapter, Spin Coupling, External Threads 330HS001 Page 33-5	 NPT Adapter, Spin Coupling, Internal Threads 330HS002 Page 33-5

Series 33 NPT Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

330AS001, 330AS002 NPT Adapter, Spin Coupling

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Spin coupling. NPT adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Adapter has tapered ANSI/ASME B1.20.1 National Pipe Threads. Aluminum or stainless steel.

PART NUMBER

	330AS001	M	16	04	-4

Base P/N

330AS001	External NPT
330AS002	Internal NPT

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

08 10 12 14 16 18 20 22 24 28 32 36 40

NPT Size

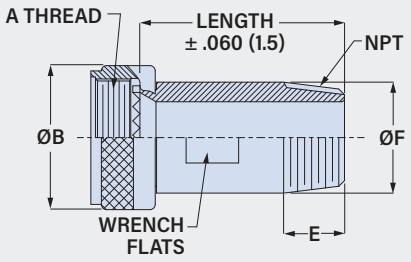
Code	NPT Size
03	⅜
04	½
05	¾
06	1
07	1 ¼
08	1 ½
09	2

Length

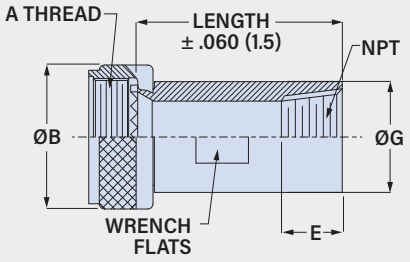
-3	1.5 inches *(NPT size ⅜ only)*
-4	2.0 inches *(NPT size ⅜ to 1)*
-5	2.5 inches
-6	3.0 inches

Length in ½ inch increments.

330AS001 WITH EXTERNAL NPT



330AS002 WITH INTERNAL NPT



Shell Size	A Thread	ø B Max. in	ø B Max. mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.94	23.9
14	0.875-20 UNEF	1.07	27.2
16	1.000-20 UNEF	1.21	30.7
18	1.0625-18 UNEF	1.23	31.2
20	1.1875-18 UNEF	1.36	34.5
22	1.3125-18 UNEF	1.48	37.6
24	1.4375-18 UNEF	1.73	43.9
28	1.750-18 UNS	1.97	50.0
32	2.000-18 UNS	2.22	56.4
36	2.250-16 UN	2.47	62.7
40	2.500-16 UN	2.72	69.1

Size Code	NPT Size	E ± .015 (0.4) in	E ± .015 (0.4) mm	ø F ± .015 (0.4) in	ø F ± .015 (0.4) mm	ø G ± .015 (0.4) in	ø G ± .015 (0.4) mm
03	⅜	.593	15.1	.675	17.1	.875	22.2
04	½	.781	19.8	.840	21.3	1.000	25.4
05	¾	.812	20.6	1.050	26.7	1.250	31.8
06	1	1.000	25.4	1.315	33.4	1.500	38.1
07	1 ¼	1.031	26.2	1.660	42.2	1.750	44.5
08	1 ½	1.031	26.2	1.900	48.3	2.125	54.0
09	2	1.062	27.0	2.375	60.3	2.500	63.5

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Series 33 NPT Adapters

for AS50151 Solder Connectors

330BS003, 330BS004 NPT Adapter, Direct Coupling

Direct coupling. NPT adapter fits AS50151 (MS3100) solder connectors. Adapter has tapered ANSI/ASME B1.20.1 National Pipe Threads. Supplied with extra front adapters as necessary for compatibility with all connector brands. Aluminum or stainless steel, silicone O-ring.

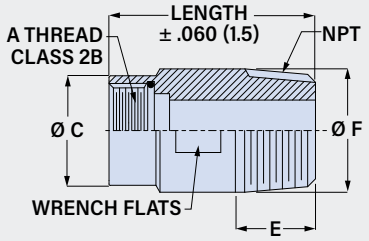
Adapter Code B

Fits AS50151 Series 1 AN Type solder Connectors . AS310*1, MS3100.

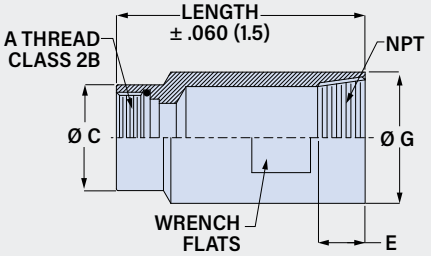
TABLE 1: NPT SIZE

Size Code	NPT Size	E ± .015 (0.4) in	E mm	ø F ± .015 (0.4) in	ø F mm	ø G ± .015 (0.4) in	ø G mm
03	⅜	.593	15.1	.675	17.1	.875	22.2
04	½	.781	19.8	.840	21.3	1.000	25.4
05	¾	.812	20.6	1.050	26.7	1.250	31.8
06	1	1.000	25.4	1.315	33.4	1.500	38.1
07	1 ¼	1.031	26.2	1.660	42.2	1.750	44.5
08	1 ½	1.031	26.2	1.900	48.3	2.125	54.0
09	2	1.062	27.0	2.375	60.3	2.500	63.5

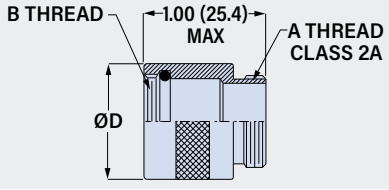
330BS003 WITH EXTERNAL NPT



330BS004 WITH INTERNAL NPT



FRONT ADAPTER (AS REQUIRED)



PART NUMBER

	330BS003	M	16	04	-4	A

Base P/N

330BS003	External NPT
330BS004	Internal NPT

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Code	Shell Size	Code	Shell Size
05	10S	**20**	22
08	10SL	**21**	24
11	12, 12S	**22**	28
14	14, 14S	**23**	32
15	16, 16S	**26**	36
16	18	**31**	40
17	20		

NPT Size — *See Table 1*

Length

-3	1.5 inches *(NPT size ⅜ only)*
-4	2.0 inches *(NPT size ⅜ to 1)*
-5	2.5 inches
-6	3.0 inches

Length in ½ inch increments.

Connector Manufacturer Code

A	Universal

Compatible with all manufacturers. Includes additional front adapter(s) as necessary to fit multiple manufacturers.

Shell Size Code	Shell Size	A Main Backshell Class 2B	B Front Adapter Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A
21	24	1.3750-18 UNEF	N/A	1.468	37.3	N/A	N/A
22	28	1.6250-18 UNEF	N/A	1.593	40.5	N/A	N/A
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1

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Series 33 NPT Adapters

for MIL-DTL-38999 Series I and II Connectors

330FS001, 330FS002 NPT Adapter, Spin Coupling

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Spin coupling. NPT adapter fits MIL-DTL-38999 Series I and II connectors. Adapter has tapered ANSI/ASME B1.20.1 National Pipe Threads. Aluminum or stainless steel.

PART NUMBER

	330FS001	M	12	04	-4

Base P/N

330FS001	External NPT
330FS002	Internal NPT

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

NPT Size

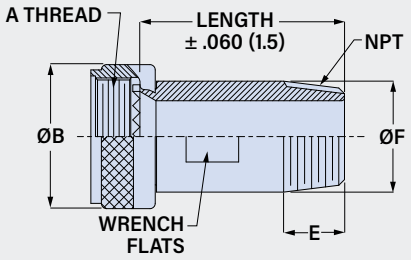
Code	NPT Size
03	⅜
04	½
05	¾
06	1
07	1 ¼
08	1 ½
09	2

Length

-3	1.5 inches *(NPT size ⅜ only)*
-4	2.0 inches *(NPT size ⅜ to 1)*
-5	2.5 inches
-6	3.0 inches

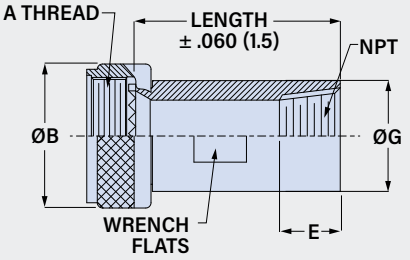
Length in ½ inch increments.

330FS001 WITH EXTERNAL NPT



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.650	16.5
10/11	0.5625-24	.770	19.6
12/13	0.6875-24	.890	22.6
14/15	0.8125-20	1.020	25.9
16/17	0.9375-20	1.150	29.2
18/19	1.0625-18	1.230	31.2
20/21	1.1875-18	1.360	34.5
22/23	1.3125-18	1.480	37.6
24/25	1.4375-18	1.730	43.9

330FS002 WITH INTERNAL NPT



Size Code	NPT Size	E ± .015 (0.4) in	E ± .015 (0.4) mm	ø F ± .015 (0.4) in	ø F ± .015 (0.4) mm	ø G ± .015 (0.4) in	ø G ± .015 (0.4) mm
03	⅜	.593	15.1	.675	17.1	.875	22.2
04	½	.781	19.8	.840	21.3	1.000	25.4
05	¾	.812	20.6	1.050	26.7	1.250	31.8
06	1	1.000	25.4	1.315	33.4	1.500	38.1
07	1 ¼	1.031	26.2	1.660	42.2	1.750	44.5
08	1 ½	1.031	26.2	1.900	48.3	2.125	54.0
09	2	1.062	27.0	2.375	60.3	2.500	63.5

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Series 33 NPT Adapters

for MIL-DTL-38999 Series III and IV Connectors

330HS001, 330HS002 NPT Adapter, Spin Coupling

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Spin coupling. NPT adapter fits MIL-DTL-38999 Series III and IV connectors. Adapter has tapered ANSI/ASME B1.20.1 National Pipe Threads. Aluminum or stainless steel.

PART NUMBER

330HS001	M	17	06	-4

Base P/N

330HS001	External NPT
330HS002	Internal NPT

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

NPT Size

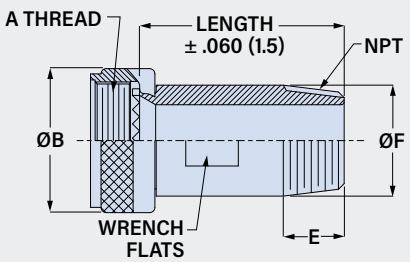
Code	NPT Size
03	⅜
04	½
05	¾
06	1
07	1 ¼
08	1 ½
09	2

Length

-3	1.5 inches *(NPT size ⅜ only)*
-4	2.0 inches *(NPT size ⅜ to 1)*
-5	2.5 inches
-6	3.0 inches

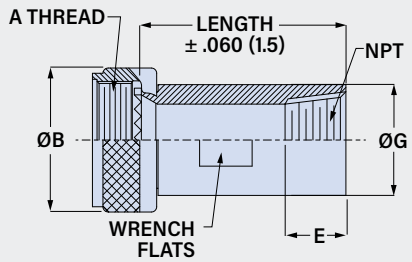
Length in ½ inch increments.

330HS001 WITH EXTERNAL NPT



Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.770	19.6
11 (B)	M15X1.0-6H	.840	21.3
13 (C)	M18X1.0-6H	.960	24.4
15 (D)	M22X1.0-6H	1.090	27.7
17 (E)	M25X1.0-6H	1.230	31.2
19 (F)	M28X1.0-6H	1.360	34.5
21 (G)	M31X1.0-6H	1.480	37.6
23 (H)	M34X1.0-6H	1.600	40.6
25 (J)	M37X1.0-6H	1.720	43.7

330HS002 WITH INTERNAL NPT



Size Code	NPT Size	E ± .015 (0.4) in	E ± .015 (0.4) mm	ø F ± .015 (0.4) in	ø F ± .015 (0.4) mm	ø G ± .015 (0.4) in	ø G ± .015 (0.4) mm
03	⅜	.593	15.1	.675	17.1	.875	22.2
04	½	.781	19.8	.840	21.3	1.000	25.4
05	¾	.812	20.6	1.050	26.7	1.250	31.8
06	1	1.000	25.4	1.315	33.4	1.500	38.1
07	1 ¼	1.031	26.2	1.660	42.2	1.750	44.5
08	1 ½	1.031	26.2	1.900	48.3	2.125	54.0
09	2	1.062	27.0	2.375	60.3	2.500	63.5

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Series 34 Shorting Cap Backshells

Selection Guide

Series 34 Shorting Cap Backshells

Series 34 Shorting Cap Backshells provide fully enclosed protection for shorting plugs and test connectors.

Adapter Code A
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

Shorting Cap Backshell, Spin Coupling
340AS001
Page 34-2

Shorting Cap Backshell, Direct Coupling
340AS002
Page 34-3

Shorting Cap Backshell, Composite
347A129
Page 34-4

Adapter Code B
AS50151 Solder

Shorting Cap Backshell, Direct Coupling
340BS002
Page 34-5

Adapter Code G
MIL-DTL-28840

Shorting Cap Backshell, Spin Coupling
340GS001
Page 34-13

Adapter Code F
MIL-DTL-38999
Series I and II

Shorting Cap Backshell, Spin Coupling
340FS001
Page 34-7

Shorting Cap Backshell, Direct Coupling
340FS002
Page 34-8

Shorting Cap Backshell, Composite
347F129
Page 34-9

Adapter Code H
MIL-DTL-38999
Series III and IV

Shorting Cap Backshell, Spin Coupling
340HS001
Page 34-10

Shorting Cap Backshell, Direct Coupling
340HS002
Page 34-11

Shorting Cap Backshell, Composite
347H129
Page 34-12

Adapter Code M
Series 80
Mighty Mouse

Shorting Cap Backshell, Spin Coupling
340MS001
Page 34-14

Shorting Cap Backshell, Direct Coupling, Low Profile
340MS026
Page 34-15

Adapter Code V
Series 806
Mil-Aero

Shorting Cap Backshell, Spin Coupling
340VS035
Page 34-16

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REV 04.05.23

Series 34 Shorting Cap Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

340AS001 Shorting Cap Backshell, Spin Coupling

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Spin coupling. Shorting cap backshell fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Tether shorting cap backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel.

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

SK — Nylon Rope with Slip Knot
Solid braided nylon cord, black, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter. Length includes .5" (13mm) dia. loop, 55 to +100 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	340AS001	M	16	-2	F	12	-095

Base P/N — 340AS001

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size — 08 10 12 14 16 18 20 22 24 28 32 36 40

Length

-2	1.0 inch	-6	3.0 inches
-3	1.5 inches	-8	4.0 inches
-4	2.0 inches	-10	5.0 inches
-5	2.5 inches		

Length in ½ inch increments.

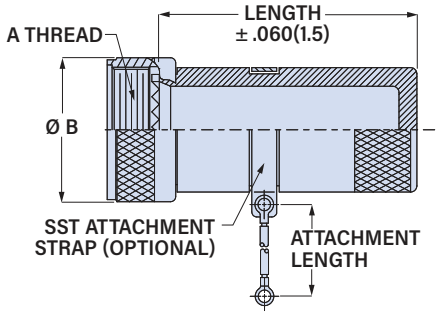
Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
SK	Nylon Rope with Slip Knot
U	Wire Rope, Black Polyurethane Jacket

Attachment Length — *Omit for Attachment Types C and N*
*Attachment Length in ½ inch increments. e.g., "**11**" = 5.5 inches.*

Attachment Ring — *Omit for Attachment Types C, N and SK*

SMALL RING		LARGE RING			
Code	Ring I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
E	.125 (3.2)	-095	.312 (7.9)	-109	1.266 (32.2)
A	.140 (3.6)	-100	.391 (9.9)	-111	1.521 (38.6)
B	.167 (4.2)	-101	.516 (13.1)	-113	1.766 (44.9)
C	.182 (4.6)	-103	.641 (16.3)	-115	2.078 (52.8)
D	.191 (4.9)	-105	.766 (19.5)	-117	2.510 (63.8)
F	.218 (5.5)	-107	1.016 (25.8)		



Shell Size	A Thread Class 2B	øB Max. in	mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.94	23.9
14	0.875-20 UNEF	1.07	27.2
16	1.000-20 UNEF	1.21	30.7
18	1.0625-18 UNEF	1.23	31.2
20	1.1875-18 UNEF	1.36	34.5
22	1.3125-18 UNEF	1.48	37.6
24	1.4375-18 UNEF	1.73	43.9
28	1.750-18 UNS	1.97	50.0
32	2.000-18 UNS	2.22	56.4
36	2.250-16 UN	2.47	62.7
40	2.500-16 UN	2.72	69.1

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Series 34 Shorting Cap Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

340AS002 Shorting Cap Backshell, Direct Coupling

Direct coupling. Shorting cap backshell fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	340AS002	M	16	-2	F	12	A

Base P/N — 340AS002

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size — 08 10 12 14 16 18 20 22 24 28 32 36 40

Length

-2	1.0 inch
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Length in ½ inch increments.

Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
U	Wire Rope, Black Polyurethane Jacket

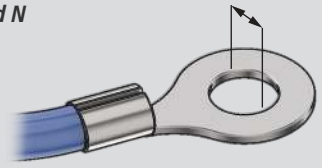
Attachment Length

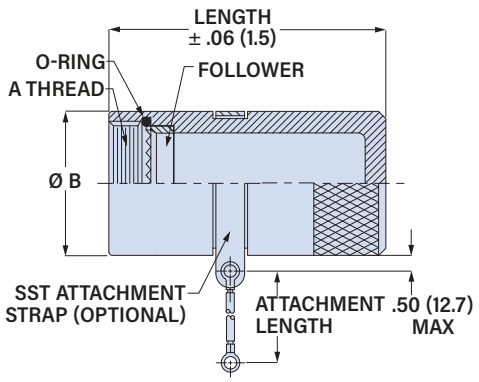
Omit for Attachment Types C and N
Attachment Length in ½ inch increments. "11" = 5.5 inches.

Lanyard Ring I.D.

Omit for Attachment Types C and N

E	.125 (3.2) ± .010 (0.3)
A	.140 (3.6) ± .010 (0.3)
B	.167 (4.2) ± .010 (0.3)
C	.182 (4.6) ± .010 (0.3)
D	.191 (4.9) ± .010 (0.3)
F	.218 (5.5) ± .010 (0.3)





Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.97	24.6
14	0.875-20 UNEF	1.09	27.7
16	1.000-20 UNEF	1.22	31.0
18	1.0625-18 UNEF	1.22	31.0
20	1.1875-18 UNEF	1.34	34.0
22	1.3125-18 UNEF	1.47	37.3
24	1.4375-18 UNEF	1.59	40.4
28	1.750-18 UNS	1.97	50.0
32	2.000-18 UNS	2.28	57.9
36	2.250-16 UN	2.53	64.3
40	2.500-16 UN	2.78	70.6

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Series 34 Shorting Cap Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

347A129 Shorting Cap Backshell, Composite, Self-Locking

Self-Locking

Composite. Self-locking. Shorting cap backshell fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Lightweight composite material resists corrosion. Tether backshell with optional attachment strap and lanyard. High performance thermoplastic. Attachment strap and hardware are passivated stainless steel.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket

6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope

Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket

Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain

#8 sash chain, stainless steel

U — Wire Rope, Black Polyurethane

Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	347A129	XM	18	2	G	6	-05

Base P/N — 347A129

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium

Coupling nut is unplated

Shell Size — 08 10 12 14 16 18 20 22 24

Length

2	1.0 inch
3	1.5 inches
4	2.0 inches
5	2.5 inches
6	3.0 inches

Length in ½ inch increments

Attachment Type

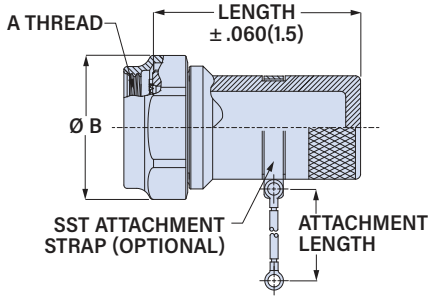
N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
U	Wire Rope, Black Polyurethane Jacket

Attachment Length — *Omit for Attachment Types C and N*

*Attachment Length in ½ inch increments. e.g.,"**11**" = 5.5 inches.*

Attachment Ring — *Omit for Attachment Types C and N*

SMALL RING		LARGE RING			
Code	Ring I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-109	1.266 (32.2)
-01	.140 (3.6)	-100	.391 (9.9)	-111	1.521 (38.6)
-09	.156 (4.0)	-101	.516 (13.1)	-113	1.766 (44.9)
-05	.167 (4.2)	-103	.641 (16.3)	-115	2.078 (52.8)
-02	.182 (4.6)	-105	.766 (19.5)	-117	2.510 (63.8)
-03	.191 (4.9)	-107	1.016 (25.8)		
-07	.218 (5.5)				



Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm
08	0.500-20 UNF	.86	21.8
10	0.625-24 UNEF	.98	24.9
12	0.750-20 UNEF	1.16	29.5
14	0.875-20 UNEF	1.28	32.5
16	1.000-20 UNEF	1.41	35.8
18	1.0625-18 UNEF	1.52	38.6
20	1.1875-18 UNEF	1.64	41.7
22	1.3125-18 UNEF	1.77	45.0
24	1.4375-18 UNEF	1.89	48.0

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Series 34 Shorting Cap Backshells

for AS50151 Solder Connectors

340BS002 Shorting Cap Backshell, Direct Coupling

Direct coupling. Shorting cap backshell fits AS50151 (MS3100) solder connectors. Backshell includes universal thread adapters as required to assure compatibility with all connector manufacturers. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel. Silicone O-ring.

Adapter Code B

Fits AS50151 Series 1 AN Type solder Connectors . AS310*1, MS3100.

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	340BS002	M	15	-2	F	12	A	A

Base P/N — 340BS002

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Code	Shell Size	Code	Shell Size
05	10S	20	22
08	10SL	21	24
11	12, 12S	22	28
14	14, 14S	23	32
15	16, 16S	26	36
16	18	31	40
17	20		

Length

-2	1.0 inch
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Length in ½ inch increments.

Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
U	Wire Rope, Black Polyurethane Jacket

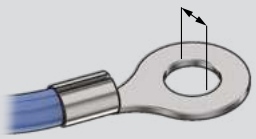
Attachment Length

Omit for Attachment Types C and N
Attachment Length in ½ inch increments."11" = 5.5 inches.

Lanyard Ring I.D.

Omit for Attachment Types C and N

E	.125 (3.2) ± .010 (0.3)
A	.140 (3.6) ± .010 (0.3)
B	.167 (4.2) ± .010 (0.3)
C	.182 (4.6) ± .010 (0.3)
D	.191 (4.9) ± .010 (0.3)
F	.218 (5.5) ± .010 (0.3)



Connector Manufacturer Code

A	Universal

Compatible with all manufacturers. Includes additional thread adapter(s) as necessary to fit multiple manufacturers. See following page for thread adapter details.

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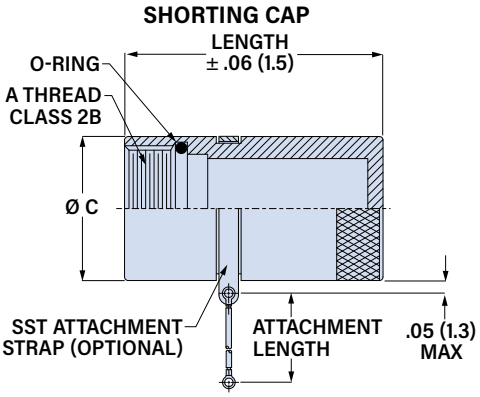
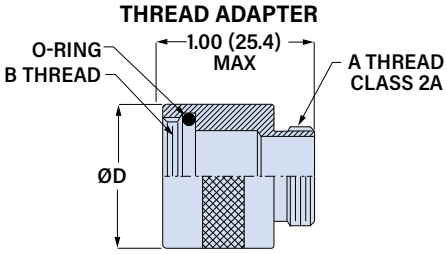
Series 34 Shorting Cap Backshells

for AS50151 Solder Connectors

340BS002 Shorting Cap Backshell, Direct Coupling





Shell Size Code	Shell Size	A Main Backshell Class 2B	B Thread Adapter Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A
21	24	1.3750-18 UNEF	N/A	1.468	37.3	N/A	N/A
22	28	1.6250-18 UNEF	N/A	1.593	40.5	N/A	N/A
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1

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Series 34 Shorting Cap Backshells

for MIL-DTL-38999 Series I and II Connectors

340FS001 Shorting Cap Backshell, Spin Coupling

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Spin coupling. Shorting cap backshell fits MIL-DTL-38999 Series I and II connectors. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel. Silicone O-ring.

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

SK — Nylon Rope with Slip Knot
Solid braided nylon cord, black, very flexible, very good abrasion resistance, good resistance to fuels, .120" (3mm) diameter. Length includes .5" (13mm) dia. loop, 55 to +100 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

340FS001	M	16	-2	F	12	-095

Base P/N — 340FS001

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Length

-2	1.0 inch	-6	3.0 inches	*Length in ½ inch increments.*
-3	1.5 inches	-8	4.0 inches	
-4	2.0 inches	-10	5.0 inches	
-5	2.5 inches			

Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
SK	Nylon Rope with Slip Knot
U	Wire Rope, Black Polyurethane Jacket

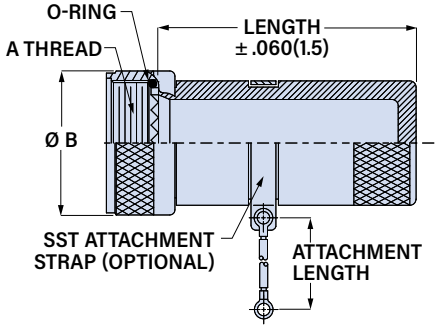
Attachment Length

Omit for Attachment Types C and N
Attachment Length in ½ inch increments. e.g., "11" = 5.5 inches.

Attachment Ring

Omit for Attachment Types C, N and SK

SMALL RING		LARGE RING			
Code	Ring I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
E	.125 (3.2)	-095	.312 (7.9)	-109	1.266 (32.2)
A	.140 (3.6)	-100	.391 (9.9)	-111	1.521 (38.6)
B	.167 (4.2)	-101	.516 (13.1)	-113	1.766 (44.9)
C	.182 (4.6)	-103	.641 (16.3)	-115	2.078 (52.8)
D	.191 (4.9)	-105	.766 (19.5)	-117	2.510 (63.8)
F	.218 (5.5)	-107	1.016 (25.8)		



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.650	16.5
10/11	0.5625-24	.770	19.6
12/13	0.6875-24	.890	22.6
14/15	0.8125-20	1.020	25.9
16/17	0.9375-20	1.150	29.2
18/19	1.0625-18	1.230	31.2
20/21	1.1875-18	1.360	34.5
22/23	1.3125-18	1.480	37.6
24/25	1.4375-18	1.730	43.9

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Series 34 Shorting Cap Backshells

for MIL-DTL-38999 Series I and II Connectors

340FS002 Shorting Cap Backshell, Direct Coupling

Direct coupling. Shorting cap backshell fits MIL-DTL-38999 Series I and II connectors. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

340FS002	M	16	-2	F	12	A

Base P/N — 340FS002

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Length

-2	1.0 inch
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Length in ½ inch increments.

Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
U	Wire Rope, Black Polyurethane Jacket

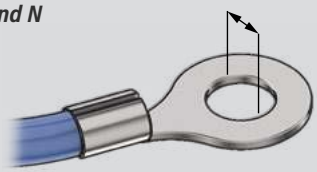
Attachment Length

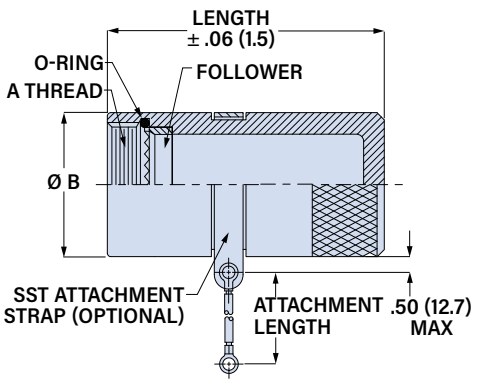
Omit for Attachment Types C and N
Attachment Length in ½ inch increments. "11" = 5.5 inches.

Lanyard Ring I.D.

Omit for Attachment Types C and N

E	.125 (3.2) ± .010 (0.3)
A	.140 (3.6) ± .010 (0.3)
B	.167 (4.2) ± .010 (0.3)
C	.182 (4.6) ± .010 (0.3)
D	.191 (4.9) ± .010 (0.3)
F	.218 (5.5) ± .010 (0.3)





Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.59	15.0
10/11	0.5625-24	.72	18.3
12/13	0.6875-24	.84	21.3
14/15	0.8125-20	.97	24.6
16/17	0.9375-20	1.09	27.7
18/19	1.0625-18	1.22	31.0
20/21	1.1875-18	1.34	34.0
22/23	1.3125-18	1.47	37.3
24/25	1.4375-18	1.59	40.4

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Series 34 Shorting Cap Backshells

for MIL-DTL-38999 Series I and II Connectors

347F129 Shorting Cap Backshell, Composite, Self-Locking

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

ATTACHMENT TYPES

F

Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G

Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H

Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S

Sash Chain
#8 sash chain, stainless steel

U

Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Composite. Self-locking. Shorting cap backshell fits MIL-DTL-38999 Series I and II connectors. Lightweight composite material resists corrosion. Tether backshell with optional attachment strap and lanyard. High performance thermoplastic. Attachment strap and hardware are passivated stainless steel, silicone O-ring.

PART NUMBER

	347F129	XM	12	3	H	7	-06

Base P/N — 347F129

Finish

XM	Electroless Nickel	*Coupling nut is unplated*
XMT	Nickel-PTFE	
XW	Olive Drab Cadmium	

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Length

2	1.0 inch	*Length in ½ inch increments*
3	1.5 inches	
4	2.0 inches	
5	2.5 inches	
6	3.0 inches	

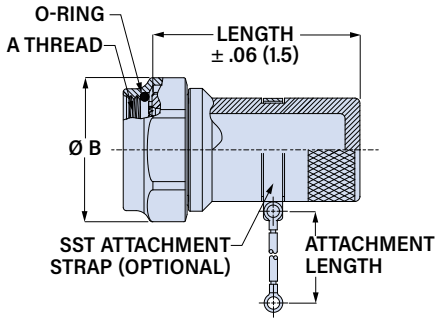
Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
U	Wire Rope, Black Polyurethane Jacket

Attachment Length
Omit for Attachment Types C and N
Attachment Length in ½ inch increments. e.g., "11" = 5.5 inches.

Attachment Ring
Omit for Attachment Types C and N

SMALL RING		LARGE RING			
Code	Ring I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-109	1.266 (32.2)
-01	.140 (3.6)	-100	.391 (9.9)	-111	1.521 (38.6)
-09	.156 (4.0)	-101	.516 (13.1)	-113	1.766 (44.9)
-05	.167 (4.2)	-103	.641 (16.3)	-115	2.078 (52.8)
-02	.182 (4.6)	-105	.766 (19.5)	-117	2.510 (63.8)
-03	.191 (4.9)	-107	1.016 (25.8)		
-07	.218 (5.5)				



Shell Size	A Thread UNEF-2B	øB Max in	mm
8/9	0.4375-28	.86	21.8
10/11	0.5625-24	.98	24.9
12/13	0.6875-24	1.16	29.5
14/15	0.8125-20	1.28	32.5
16/17	0.9375-20	1.41	35.8
18/19	1.0625-18	1.52	38.6
20/21	1.1875-18	1.64	41.7
22/23	1.3125-18	1.77	45.0
24/25	1.4375-18	1.89	48.0

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Series 34 Shorting Cap Backshells

for MIL-DTL-38999 Series III and IV Connectors

340HS001 Shorting Cap Backshell, Spin Coupling

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Spin coupling. Shorting cap backshell fits MIL-DTL-38999 Series III and IV connectors. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel. Silicone O-ring.

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

SK — Nylon Rope with Slip Knot
Solid braided nylon cord, black, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter. Length includes .5" (13mm) dia. loop, 55 to +100 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	340HS001	NF	17	-3	H	10	A

Base P/N — 340HS001

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Length

-2	1.0 inch	-6	3.0 inches	*Length in ½ inch increments.*
-3	1.5 inches	-8	4.0 inches	
-4	2.0 inches	-10	5.0 inches	
-5	2.5 inches			

Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
SK	Nylon Rope with Slip Knot
U	Wire Rope, Black Polyurethane Jacket

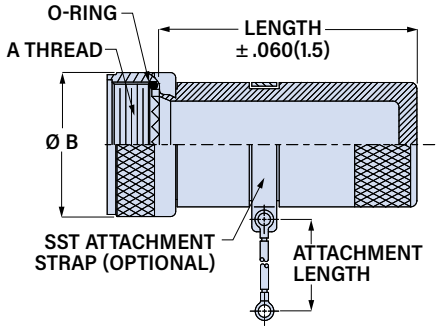
Attachment Length

Omit for Attachment Types C and N
*Attachment Length in ½ inch increments. e.g., "**11**" = 5.5 inches.*

Attachment Ring

Omit for Attachment Types C, N and SK

SMALL RING		LARGE RING			
Code	Ring I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
E	.125 (3.2)	-095	.312 (7.9)	-109	1.266 (32.2)
A	.140 (3.6)	-100	.391 (9.9)	-111	1.521 (38.6)
B	.167 (4.2)	-101	.516 (13.1)	-113	1.766 (44.9)
C	.182 (4.6)	-103	.641 (16.3)	-115	2.078 (52.8)
D	.191 (4.9)	-105	.766 (19.5)	-117	2.510 (63.8)
F	.218 (5.5)	-107	1.016 (25.8)		



Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.770	19.6
11 (B)	M15X1.0-6H	.840	21.3
13 (C)	M18X1.0-6H	.960	24.4
15 (D)	M22X1.0-6H	1.090	27.7
17 (E)	M25X1.0-6H	1.230	31.2
19 (F)	M28X1.0-6H	1.360	34.5
21 (G)	M31X1.0-6H	1.480	37.6
23 (H)	M34X1.0-6H	1.600	40.6
25 (J)	M37X1.0-6H	1.720	43.7

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Series 34 Shorting Cap Backshells

for MIL-DTL-38999 Series III and IV Connectors

340HS002 Shorting Cap Backshell, Direct Coupling

Direct coupling. Shorting cap backshell fits MIL-DTL-38999 Series III and IV connectors. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel. Silicone O-ring.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	340HS002	ZR	17	-4	H	10	C

Base P/N — 340HS002

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Length

-2	1.0 inch
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches

Length in ½ inch increments.

Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
U	Wire Rope, Black Polyurethane Jacket

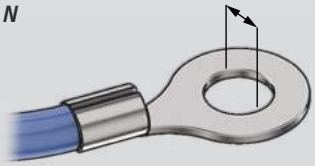
Attachment Length

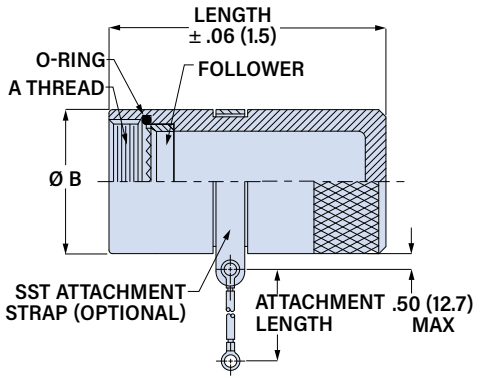
Omit for Attachment Types C and N
Attachment Length in ½ inch increments. "11" = 5.5 inches.

Lanyard Ring I.D.

Omit for Attachment Types C and N

E	.125 (3.2) ± .010 (0.3)
A	.140 (3.6) ± .010 (0.3)
B	.167 (4.2) ± .010 (0.3)
C	.182 (4.6) ± .010 (0.3)
D	.191 (4.9) ± .010 (0.3)
F	.218 (5.5) ± .010 (0.3)





Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.65	16.5
11 (B)	M15X1.0-6H	.77	19.6
13 (C)	M18X1.0-6H	.89	22.6
15 (D)	M22X1.0-6H	1.03	26.2
17 (E)	M25X1.0-6H	1.15	29.2
19 (F)	M28X1.0-6H	1.28	32.5
21 (G)	M31X1.0-6H	1.41	35.8
23 (H)	M34X1.0-6H	1.53	38.9
25 (J)	M37X1.0-6H	1.66	42.2

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Series 34 Shorting Cap Backshells

for MIL-DTL-38999 Series III and IV Connectors

347H129 Shorting Cap Backshell, Composite, Self-Locking

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Composite. Self-locking. Shorting cap backshell fits MIL-DTL-38999 Series III and IV connectors. Lightweight composite material resists corrosion. Tether backshell with optional attachment strap and lanyard. High performance thermoplastic. Attachment strap and hardware are passivated stainless steel, silicone O-ring.

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	347H129	XM	13	3	U	7	-01

Base P/N — 347H129

Finish

XM	Electroless Nickel	*Coupling nut is unplated*
XMT	Nickel-PTFE	
XW	Olive Drab Cadmium	

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Length

2	1.0 inch	*Length in ½ inch increments*
3	1.5 inches	
4	2.0 inches	
5	2.5 inches	
6	3.0 inches	

Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
U	Wire Rope, Black Polyurethane Jacket

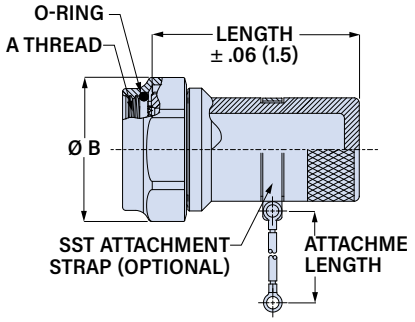
Attachment Length

Omit for Attachment Types C and N
Attachment Length in ½ inch increments. e.g., "11" = 5.5 inches.

Attachment Ring

Omit for Attachment Types C and N

SMALL RING		LARGE RING			
Code	Ring I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-109	1.266 (32.2)
-01	.140 (3.6)	-100	.391 (9.9)	-111	1.521 (38.6)
-09	.156 (4.0)	-101	.516 (13.1)	-113	1.766 (44.9)
-05	.167 (4.2)	-103	.641 (16.3)	-115	2.078 (52.8)
-02	.182 (4.6)	-105	.766 (19.5)	-117	2.510 (63.8)
-03	.191 (4.9)	-107	1.016 (25.8)		
-07	.218 (5.5)				



Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.86	21.8
11 (B)	M15X1.0-6H	.98	24.9
13 (C)	M18X1.0-6H	1.16	29.5
15 (D)	M22X1.0-6H	1.28	32.5
17 (E)	M25X1.0-6H	1.41	35.8
19 (F)	M28X1.0-6H	1.52	38.6
21 (G)	M31X1.0-6H	1.64	41.7
23 (H)	M34X1.0-6H	1.77	45.0
25 (J)	M37X1.0-6H	1.89	48.0

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Series 34 Shorting Cap Backshells

for MIL-DTL-28840 Connectors

340GS001 Shorting Cap Backshell, Spin Coupling

Adapter Code G

This accessory fits MIL-DTL-28840 and Glenair Series 901 Connectors

Spin coupling. Shorting cap backshell fits MIL-DTL-28840 connectors. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel.

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

SK — Nylon Rope with Slip Knot
Solid braided nylon cord, black, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter. Length includes .5" (13mm) dia. loop, 55 to +100 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

340GS001	NF	29	-3	H	10	A

Base P/N — 340GS001

Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Cadmium, Olive Drab
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated
ZU	SST/Cadmium, Black
ZTZ	SST/Tin-Zinc

Shell Size

Shell Size	11	13	15	17	19	23	25	29	33
	A	B	C	D	E	F	G	H	J
Size Code	11	13	15	17	19	23	25	29	33

Length

-2	1.0 inch	-6	3.0 inches	*Length in ½ inch increments.*
-3	1.5 inches	-8	4.0 inches	
-4	2.0 inches	-10	5.0 inches	
-5	2.5 inches			

Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
SK	Nylon Rope with Slip Knot
U	Wire Rope, Black Polyurethane Jacket

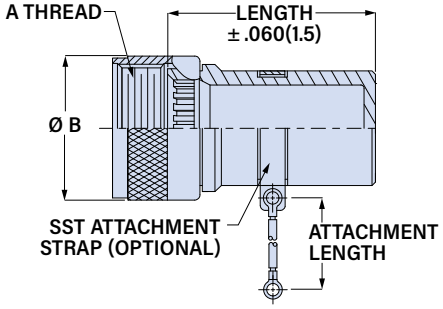
Attachment Length

Omit for Attachment Types C and N
Attachment Length in ½ inch increments. e.g., "11" = 5.5 inches.

Attachment Ring

Omit for Attachment Types C, N and SK

SMALL RING		LARGE RING			
Code	Ring I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
E	.125 (3.2)	-095	.312 (7.9)	-109	1.266 (32.2)
A	.140 (3.6)	-100	.391 (9.9)	-111	1.521 (38.6)
B	.167 (4.2)	-101	.516 (13.1)	-113	1.766 (44.9)
C	.182 (4.6)	-103	.641 (16.3)	-115	2.078 (52.8)
D	.191 (4.9)	-105	.766 (19.5)	-117	2.510 (63.8)
F	.218 (5.5)	-107	1.016 (25.8)		



Size Code	Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm
11	A (11)	.750-20 UNEF	.94	23.9
13	B (13)	.875-20 UNEF	1.07	27.7
15	C (15)	1.000-20 UNEF	1.21	30.7
17	D (17)	1.125-18 UNEF	1.41	35.7
19	E (19)	1.250-18 UNEF	1.53	38.9
23	F (23)	1.438-18 UNEF	1.73	43.9
25	G (25)	1.562-18 UNEF	1.82	46.3
29	H (29)	1.875-16 UN	2.14	54.4
33	J (33)	2.062-16 UNS	2.33	59.1

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Series 34 Shorting Cap Backshells

for Series 80 Mighty Mouse Connectors

340MS001 Shorting Cap Backshell, Spin Coupling

Spin coupling. Shorting cap backshell fits Series 80 Mighty Mouse connectors. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel. Silicone O-ring.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

ATTACHMENT TYPES

F **Wire Rope, Blue Nylon Jacket**
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G **Nylon Rope**
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H **Wire Rope, Clear FEP Jacket**
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S **Sash Chain**
#8 sash chain, stainless steel

U **Wire Rope, Black Polyurethane**
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	340MS001	M	16	-2	F	10	A

Base P/N — 340MS001

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size — 05 06 07 08 09 10 11 12 13 14 15 16 17
See table below

Length

-2	1.0 inch
-3	1.5 inches
-4	2.0 inches
-5	2.5 inches
-6	3.0 inches
-8	4.0 inches

Length in ½ inch increments.

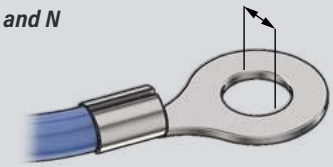
Attachment Type

N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
U	Wire Rope, Black Polyurethane Jacket

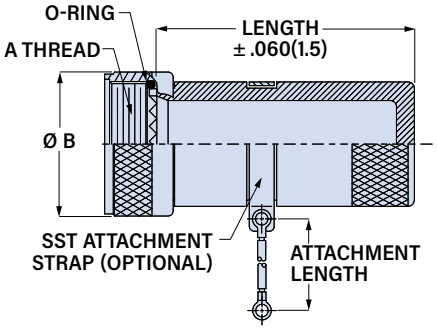
Attachment Length
Omit for Attachment Types C and N
Attachment Length in ½ inch increments. e.g., "11" = 5.5 inches.

Lanyard Ring I.D.
Omit for Attachment Types C and N

E	.125 (3.2) ± .010 (0.3)
A	.140 (3.6) ± .010 (0.3)
B	.167 (4.2) ± .010 (0.3)
C	.182 (4.6) ± .010 (0.3)
D	.191 (4.9) ± .010 (0.3)
F	.218 (5.5) ± .010 (0.3)



Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm
05	5	N/A	0.250-32	.470	11.9
06	6	N/A	0.3125-32	.530	13.5
11	N/A	8	0.3750-32	.570	14.5
07	7	9	0.4375-28	.637	16.2
08	8	10	0.500-28	.700	17.8
09	9	11	0.5625-24	.758	19.3
10	10	12	0.625-24	.819	20.8
12	11, 12, 13	13	0.6875-24	.896	22.8
13	N/A	15	0.750-20	.930	23.6
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9
16	19	21	1.0625-18	1.230	31.2
17	21	23	1.1875-18	1.387	35.2



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Series 34 Shorting Cap Backshells

for Series 80 Mighty Mouse Connectors

340MS026 Shorting Cap Backshell, Low Profile, Direct Coupling

Direct coupling, low profile. Shorting cap backshell fits Series 80 Mighty Mouse connectors. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel. Silicone O-ring.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

ATTACHMENT TYPES

G **Nylon Rope**
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H **Wire Rope, Clear FEP Jacket**
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S **Sash Chain**
#8 sash chain, stainless steel

SK **Nylon Rope with Slip Knot**
Solid braided nylon cord, black, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter. Length includes .5" (13mm) dia. loop, 55 to +100 °C

U **Wire Rope, Black Polyurethane**
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	340MS026	ZR	H	07	-6	02	-6

Base P/N — 340MS026

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Attachment Type

N	No Attachment
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
SK	Nylon Rope with Slip Knot
U	Wire Rope, Black Polyurethane Jacket

Shell Size — 05 06 07 08 09 10 11 12 13 14 15 16 17
See table below

Length

-4	.50 inch	-8	1.50 inch
-5	.75 inch	-10	2.00 inch
-6	1.00 inch	-12	2.50 inch
-7	1.25 inch	-14	3.00 inch

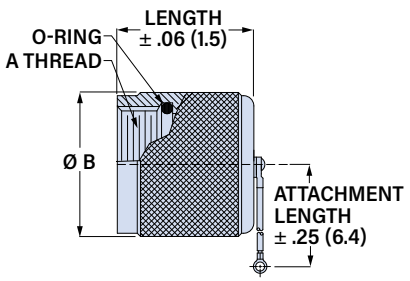
Length in .25 inch increments

Attachment Code
*Omit for Attachment Types **N** and **SK**.*

SMALL SOLID RING		LARGE SOLID RING		LARGE SPLIT RING	
Code	Ring I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
01	.126 (3.2)	14	.385 (9.8)	50	.425 (10.8)
02	.145 (3.7)	15	.445 (11.3)	52	.485 (12.3)
04	.188 (4.8)	16	.570 (14.5)	54	.640 (16.3)
06	.197 (5.0)	17	.635 (16.1)	56	.750 (19.1)
TIEDOWN STRAP		18	.695 (17.7)	58	.890 (22.6)
		19	.885 (22.5)	60	1.015 (25.8)
		20	1.070 (27.2)	62	1.095 (27.8)
		21	1.135 (28.8)	64	1.130 (28.7)
Self-clinching nylon		22	1.210 (30.7)	66	1.250 (31.8)
WS	Strap	33	.510 (13.0)		

Attachment Length
Omit for Attachment Type N
*Attachment Length in inches. e.g., "**-6**" = 6 inches.*

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm
05	5	N/A	0.250-32	.350	8.9
06	6	N/A	0.3125-32	.415	10.5
11	N/A	8	0.3750-32	.465	11.8
07	7	9	0.4375-28	.530	13.5
08	8	10	0.500-28	.595	15.1
09	9	11	0.5625-24	.650	16.5
10	10	12	0.625-24	.715	18.2
12	11, 12, 13	13	0.6875-24	.785	19.9
13	N/A	15	0.750-20	.830	21.1
14	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9
16	19	21	1.0625-18	1.155	29.3
17	21	23	1.1875-18	1.270	32.3



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Dimensions in Inches (millimeters) are subject to change without notice.

Series 34 Shorting Cap Backshells

for Series 806 Mil-Aero Connectors

340VS035 Shorting Cap Backshell, Spin Coupling

Spin coupling. Shorting cap backshell fits Series 806 Mil-Aero connectors. Tether backshell with optional attachment strap and lanyard. Aluminum or stainless steel. Attachment strap and hardware are passivated stainless steel. Silicone O-ring.

Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

ATTACHMENT TYPES

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Nylon Rope
Solid braided nylon cord, black, stainless steel ring terminal, very flexible, good abrasion resistance, good resistance to fuels, .120" (3mm) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, stainless steel ring terminal, fair flexibility, good abrasion resistance, .100" diameter, -55 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel

U — WWire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, stainless steel ring terminal, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	340VS035	ZR	18	-4	H	10	A

Base P/N — 340VS035

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size — 08 09 10 11 12 14 16 18 20 22 24

Length — *Length in .25 inch increments*

-3	.75 inch	-6	1.50 inch
-4	1.00 inch	-8	2.00 inch
-5	1.25 inch	-10	2.50 inch
		-12	3.00 inch

Attachment Type

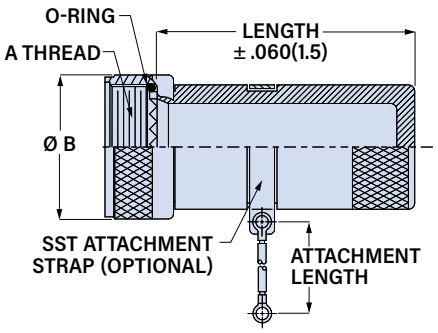
N	No Attachment
C	Attachment Strap Only, No Lanyard
F	Wire Rope, Blue Nylon Jacket
G	Nylon Rope
H	Wire Rope, Clear FEP Jacket
S	Sash Chain
U	Wire Rope, Black Polyurethane Jacket

Attachment Length — *Omit for Attachment Types C and N*
Attachment Length in ½ inch increments. e.g., "11" = 5.5 inches.

Lanyard Ring — *Omit for Attachment Types C and N*

SMALL RING		LARGE RING			
Code	Ring I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-04	.126 (3.2)	-12	.423 (10.7)	-32	.950 (24.1)
-06	.145 (3.7)	-14	.481 (12.2)	-34	1.015 (25.8)
-08	.188 (4.8)	-16	.560 (14.2)	-36	1.070 (27.2)
-10	.197 (5.0)	-18	.600 (15.2)	-38	1.135 (28.8)
		-20	.635 (16.1)	-10	1.210 (30.7)
		-22	.695 (17.7)	-42	1.275 (32.4)
		-24	.715 (18.2)	-44	1.380 (35.1)
		-26	.766 (19.5)	-46	1.470 (37.3)
		-28	.845 (21.5)	-48	1.625(41.3)
		-30	.885 (22.5)		

Shell Size	A Thread ISO Metric	øB Max. in	øB Max. mm
08	M10 x 1.0-6H	.570	14.5
09	M12 x 1.0-6H	.650	16.5
10	M14 x 1.0-6H	.750	19.1
11	M15 x 1.0-6H	.790	20.1
12	M17 x 1.0-6H	.870	22.1
14	M19 x 1.0-6H	.950	24.1
16	M22 x 1.0-6H	1.070	27.2
18	M25 x 1.0-6H	1.180	30.0
20	M28 x 1.0-6H	1.300	33.0
22	M31 x 1.0-6H	1.420	36.1
24	M34 x 1.0-6H	1.540	39.1



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Series 36 Strain Relief Backshells

Selection Guide

Series 36 Strain Relief Backshells

Series 36 Strain Relief Backshells are compatible with mil spec circular electrical connectors. Use with unshielded jacketed cable. Non-environmental. Available in aluminum or SST with Type H heavy duty saddle clamp or screwless Qwik-Clamp® strain relief. Corrosion-proof composite version features heat and chemical resistant glass-reinforced lightweight thermoplastic.

- Non-environmental backshell for use with unshielded jacketed cable
- Heavy-duty saddle clamp or screwless *Qwik-Clamp®*
- Aluminum, stainless steel or corrosion-proof composite
- Aluminum, stainless steel or composite
- Eight profiles in straight, 45° and 90°
- Compatible with standard mil spec circular electrical connectors

Adapter Code **A** AS50151 crimp AS95234 MIL-DTL-26482 Ser. II MIL-DTL-83723 Ser. III	 Strain Relief Backshell, Spin Coupling 360A*001 Page 36-2	 Strain Relief Backshell, Direct Coupling 360AS002 Page 36-4	 Strain Relief Backshell, Composite 360A*014 Page 36-5	 Strain Relief Backshell, Qwik-Clamp 360A*017 Page 36-6
Adapter Code **B** AS50151 Solder	 Strain Relief Backshell, Direct Coupling 360BS002 Page 36-8			
Adapter Code **F** MIL-DTL-38999 Series I and II	 Strain Relief Backshell, Spin Coupling 360F*001 Page 36-10	 Strain Relief Backshell, Composite 360F*014 Page 36-12	 Strain Relief Backshell, Qwik-Clamp 360F*017 Page 36-13	
Adapter Code **G** MIL-DTL-28840	 Strain Relief Backshell, Spin Coupling 360G*003 Page 36-21			
Adapter Code **H** MIL-DTL-38999 Series III and IV	 Strain Relief Backshell, Spin Coupling 360H*001 Page 36-15	 Strain Relief Backshell, Direct Coupling 360HS002 Page 36-17	 Strain Relief Backshell, Composite 360H*014 Page 36-18	 Strain Relief Backshell, Qwik-Clamp 360H*017 Page 36-19

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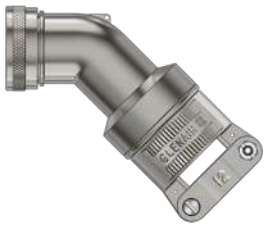
Series 36 Strain Relief Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

360A*001 Backshell, Strain Relief, Spin Coupling



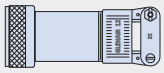
Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

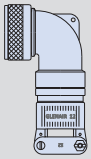
Straight, 45° and 90°. Heavy duty saddle clamp. 360A*001 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Spin coupling, non-environmental. Heavy duty die cast saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PROFILES

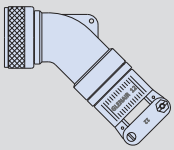
S Straight



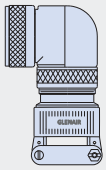
A 90°



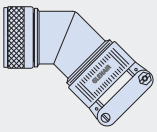
B 45°



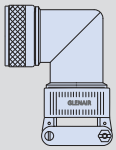
D 90° Split



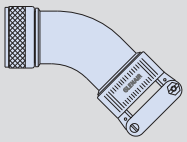
H 45°



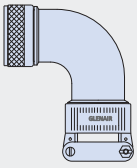
J 90°



M 45°



N 90°



PART NUMBER

	360AS001	NF	12	06	H	6

Base P/N

Base Part No.		Profile	Shell Size
360AS001	S	Straight	08-40
360AA001	A	90° Elbow	08-36
360AB001	B	45° Elbow	08-36
360AD001	D	90° Split	08-28
360AH001	H	45° Cut/Weld	08-40
360AJ001	J	90° Cut/Weld	08-40
360AM001	M	45° Full Radius	08-32
360AN001	N	90° Full Radius	08-40

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles S, H, and J only)*

Shell Size 08 10 12 14 16 18 20 22 24 28 32 36 40

Entry Size*

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
03	.250 (7.9)	08-40	16	.937 (23.8)	22-40
04	.312 (7.9)	10-40	20	1.250 (31.8)	28-40
06	.437 (11.1)	12-40	24	1.375 (34.9)	28-40
08	.562 (14.3)	14-40	28	1.625 (41.3)	32-40
10	.625 (15.9)	16-40	32	1.875 (47.6)	40
12	.750 (19.1)	18-40			

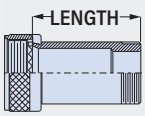
* *If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

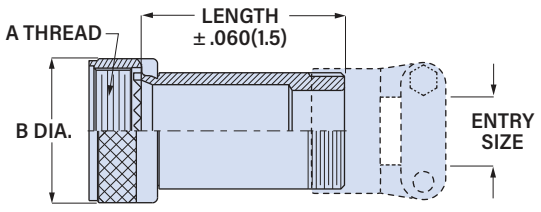
Strain Relief Type H Saddle Clamp, Heavy Duty

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.





Shell Size	A Thread Class 2B	øB Max in	øB Max mm	Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.65	16.5	22	1.3125-18 UNEF	1.48	37.6
10	0.625-24 UNEF	.77	19.6	24	1.4375-18 UNEF	1.73	43.9
12	0.750-20 UNEF	.94	23.9	28	1.750-18 UNS	1.97	50.0
14	0.875-20 UNEF	1.07	27.2	32	2.000-18 UNS	2.22	56.4
16	1.000-20 UNEF	1.21	30.7	36	2.250-16 UN	2.47	62.7
18	1.0625-18 UNEF	1.23	31.2	40	2.500-16 UN	2.72	69.1
20	1.1875-18 UNEF	1.36	34.5				

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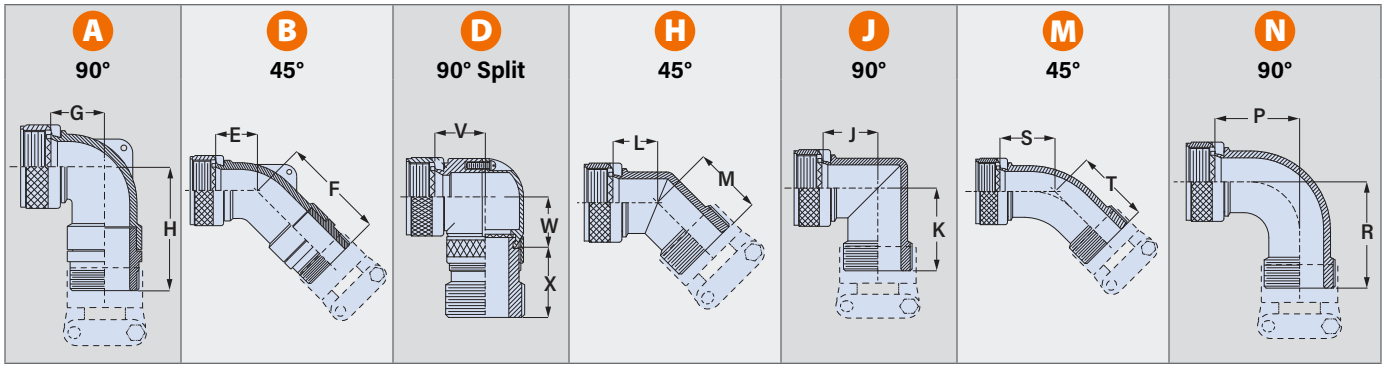
Series 36 Strain Relief Backshells

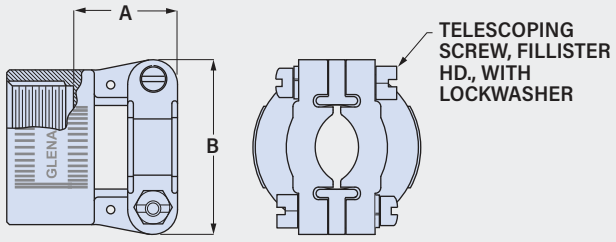
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

360A*001 Backshell, Strain Relief, Spin Coupling



Shell Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm	V Max in	V Max mm	W Max in	W Max mm	X Max in	X Max mm
08	.457	11.6	1.622	41.2	.500	12.7	1.632	41.5	.834	21.2	1.144	29.1	.726	18.5	1.036	26.3	1.125	28.6	1.445	36.7	.817	20.8	1.127	28.6	.680	17.2	1.670	42.4	1.00	25.4
10	.520	13.2	1.682	42.7	.595	15.1	1.752	44.5	.898	22.8	1.209	30.7	.753	19.1	1.062	27.0	1.250	31.8	1.570	39.9	.861	21.9	1.181	30.0	.750	19.0	1.725	43.8	1.00	25.4
12	.582	14.8	1.742	44.2	.610	15.5	1.772	45.0	.956	24.3	1.266	32.1	.777	19.7	1.087	27.6	1.375	34.9	1.695	43.1	.911	23.1	1.231	31.3	.810	20.5	1.795	45.5	1.00	25.4
14	.645	16.4	2.062	52.4	.700	17.8	2.072	52.6	1.018	25.9	1.328	33.7	.802	20.4	1.113	28.3	1.500	38.1	1.820	46.2	.965	24.5	1.285	32.6	.870	22.0	1.827	46.4	1.00	25.4
16	.738	18.7	2.172	55.2	.885	22.5	2.162	54.9	1.081	27.4	1.391	35.3	.828	21.0	1.138	28.9	1.625	41.3	1.945	49.4	1.014	25.8	1.334	33.9	.930	23.6	1.927	48.9	1.00	25.4
18	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.125	28.6	1.435	36.4	.847	21.5	1.157	29.4	1.750	44.5	2.070	52.6	1.064	27.0	1.384	35.2	1.000	25.4	1.985	50.4	1.00	25.4
20	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.188	30.2	1.498	38.0	.873	22.2	1.183	30.0	1.875	47.6	2.195	55.8	1.118	28.4	1.438	36.5	1.060	26.9	2.046	51.9	1.00	25.4
22	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.250	31.8	1.560	39.6	.898	22.8	1.208	30.7	2.000	50.8	2.320	58.9	1.172	29.8	1.492	37.9	1.120	28.4	2.107	53.5	1.50	38.1
24	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.312	33.3	1.623	41.2	.942	23.5	1.234	31.4	2.125	54.0	2.445	62.1	1.221	31.0	1.541	39.1	1.180	29.9	2.165	54.9	1.50	38.1
28	1.145	29.1	2.562	65.1	1.225	31.1	2.612	66.3	1.392	35.4	1.702	43.2	.957	24.3	1.267	32.2	2.375	60.3	2.695	68.5	1.325	33.7	1.645	41.8	1.300	33.0	2.326	59.0	1.50	38.1
32	1.207	30.7	2.662	67.6	1.575	40.0	2.862	72.7	1.515	38.5	1.825	46.4	1.008	25.6	1.318	33.5	2.675	67.9	2.995	76.1	1.495	37.8	1.815	46.1	N/A	N/A	N/A	N/A	N/A	N/A
36	1.238	31.4	2.752	69.9	1.775	45.1	2.862	72.7	1.623	41.2	1.932	49.1	1.053	26.7	1.363	34.6	2.785	70.7	3.105	78.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.895	48.1	2.220	56.4	1.220	31.0	1.480	37.6	2.985	75.8	3.215	81.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

STRAIN RELIEF DIMENSIONS



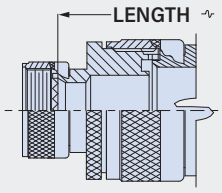
Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

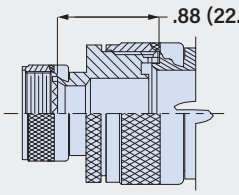
Shell Size	Max Entry Size	Shell Size	Max Entry Size
08	03	22	16
10	04	24	16
12	06	28	24
14	08	32	28
16	10	36	28
18	12	40	32
20	12		

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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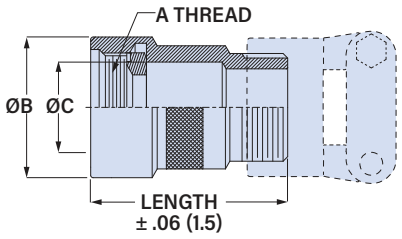
Series 36 Strain Relief Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

360AS002 Backshell, Strain Relief, Direct Coupling

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	øC Max in	øC Max mm	Max Entry Size
08	0.500-20 UNF	.65	16.5	.36	9.1	04
10	0.625-24 UNEF	.77	19.6	.49	12.4	06
12	0.750-20 UNEF	.97	24.6	.63	16.0	10
14	0.875-20 UNEF	1.09	27.7	.75	19.1	12
16	1.000-20 UNEF	1.22	31.0	.86	21.8	12
18	1.0625-18 UNEF	1.22	31.0	.93	23.6	16
20	1.1875-18 UNEF	1.34	34.0	1.05	26.7	16
22	1.3125-18 UNEF	1.47	37.3	1.18	30.0	16
24	1.4375-18 UNEF	1.59	40.4	1.30	33.0	20
28	1.750-18 UNS	1.97	50.0	1.61	40.9	24
32	2.000-18 UNS	2.28	57.9	1.86	47.2	28
36	2.250-16 UN	2.53	64.3	2.11	53.6	32
40	2.500-16 UN	2.78	70.6	2.36	59.9	32

Heavy duty saddles. 360AS002 backshell fits **AS50151 crimp, AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Direct coupling, nonenvironmental. Heavy duty die cast saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PART NUMBER

	360AS002	M	12	06	H	3

Base P/N — 360AS002

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size — 08 10 12 14 16 18 20 22 24 28 32 36 40

Entry Size*

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
04	.312 (7.9)	08-40	16	.937 (23.8)	18-40
06	.437 (11.1)	10-40	20	1.250 (31.8)	24-40
08	.562 (14.3)	12-40	24	1.375 (34.9)	28-40
10	.625 (15.9)	12-40	28	1.625 (41.3)	32-40
12	.750 (19.1)	14-40	32	1.875 (47.6)	36-40

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

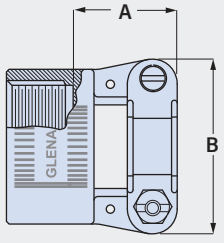
Strain Relief Type — H Saddle Clamp

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

If Entry Size is greater than "Max Entry Size" (see table at left), then 2 inch minimum applies.

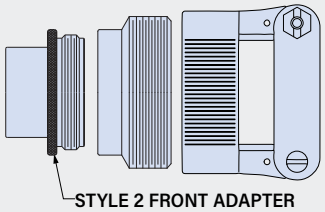
STRAIN RELIEF DIMENSIONS



Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size shown in table, the backshell will include a Style 2 front adapter.
The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).



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Series 36 Strain Relief Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

360A*014 Backshell, Strain Relief, Composite, Self-Locking

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Straight and 90°. Composite. Self-locking. 360A*014 backshell fits **AS50151 crimp, AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Full radius saddle clamp has telescoping screws. Polyetherimide, stainless steel screws and lockwashers.

MATERIAL/FINISH

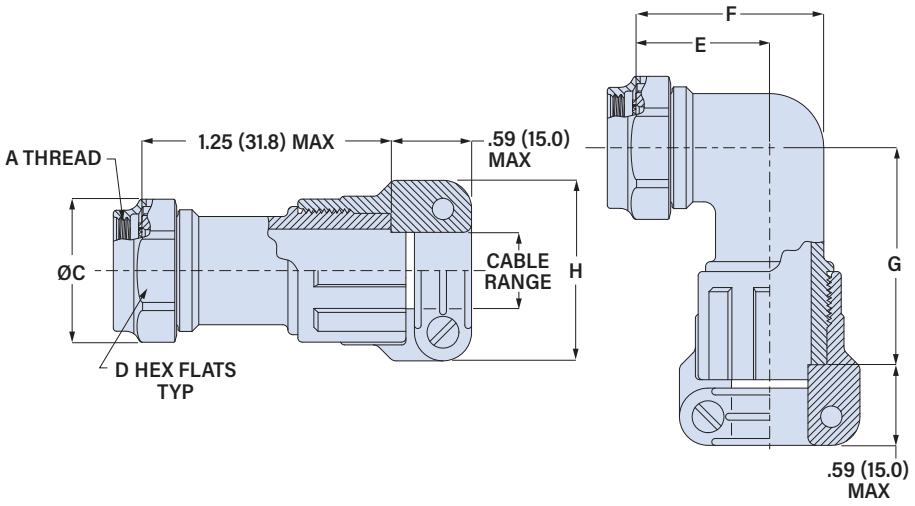
Coupling nut, saddles: polyetherimide (PEI), unplated
Body: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

		360AS014	**XW**	**18**	**14**
Base P/N	**360AS014** Straight **360AW014** 90°				
Body Finish	**XM** Electroless Nickel **XW** Olive drab Cadmium **XB** Unplated, Black color **XO** Unplated, Natural (amber) Color **XZN** Black Zinc-Nickel				
Shell Size	**08 10 12 14 16 18 20 22 24 28**				
Entry Size	*See Table 1*				

TABLE 1: ENTRY SIZE

Entry Size	Cable Range in Min	Cable Range in Max	Cable Range mm Min	Cable Range mm Max	H Max in	H Max mm	Shell Sizes
10	.20	.25	5.1	6.4	1.00	25.4	08-28
12	.29	.38	7.4	9.7	1.23	31.2	10-28
14	.40	.44	10.1	11.2	1.34	34.0	12-28
16	.48	.63	12.2	15.9	1.47	37.3	14-28
18	.55	.69	14.0	17.5	1.56	39.6	16-28
20	.64	.75	16.3	19.1	1.62	41.1	16-28
22	.72	.88	18.3	22.2	1.75	44.5	20-28
24	.79	1.00	20.0	25.4	1.87	47.5	22-28
28	.89	1.13	20.3	28.6	1.97	50.0	24-28
32	.96	1.25	24.4	31.8	2.08	52.8	28



Shell Size	A Thread Class 2B	øC Max in	øC Max mm	D Hex Flats in	D Hex Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	Max Entry Size
08	0.500-20 UNF	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	27.0	10
10	0.625-24 UNEF	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	12
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	14
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	16
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	20
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	20
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	22
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	24
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	28
28	1.750-18 UNS	2.16	54.9	2.000	50.8	1.34	34.0	2.13	54.1	1.78	45.2	32

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Series 36 Strain Relief Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

360A*017 Backshell, Strain Relief, Qwik-Clamp®

Self-Locking

Qwik-Clamp®

- No exposed screws
- High vibration
- NASA approved cable clamp

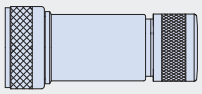
Screwless cable clamp. Self-locking. 360A*017 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III** connectors. Rotate clamp nut to tighten internal cable clamp. Clamp nut has anti-rotation device. Coupling nut has anti-decoupling mechanism providing audible detented coupling and preventing backoff under high vibration. Non-environmental. Adapter, elbows, coupling nut and clamp nut are aluminum, internal clamp components are thermoplastic. -65° to +200° C.

Adapter Code A

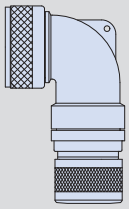
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

PROFILES

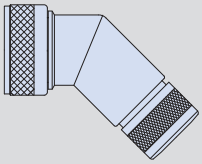
S Straight



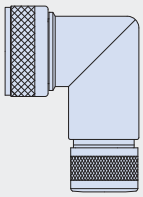
A 90°



H 45°



J 90°



PART NUMBER

	360AS017	M	18	16	6

Base P/N

Base Part No.		Profile
360AS017	S	Straight
360AA017	A	90° Elbow
360AH017	H	45° Cut/Weld
360AJ017	J	90° Cut/Weld

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size: 08 10 12 14 16 18 20 22 24

Entry Size: *See Table 1*

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. in 1/2 inch increments.

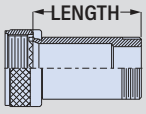
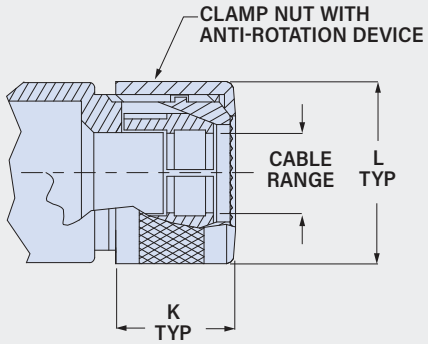


TABLE 1: ENTRY SIZE

Entry Size	Cable Range in Min	Cable Range in Max	Cable Range mm Min	Cable Range mm Max	K Max in	K Max mm	L Max in	L Max mm	Shell Size
08	.128	.250	3.3	6.4	.530	13.5	.720	18.3	08-24
12	.233	.375	5.9	9.5	.710	18.0	.910	23.1	10-24
16	.358	.500	9.1	12.7	.720	18.3	1.090	27.7	12-24
20	.482	.625	12.2	15.9	.720	18.3	1.220	31.0	16-24
24	.545	.750	13.8	19.1	.660	16.8	1.340	34.0	18-24
28	.670	.875	17.0	22.2	.790	20.1	1.530	38.9	20-24
32	.795	1.000	20.2	25.4	.870	22.1	1.720	43.7	22-24
36	.889	1.125	22.6	28.6	.830	21.1	1.850	47.0	24



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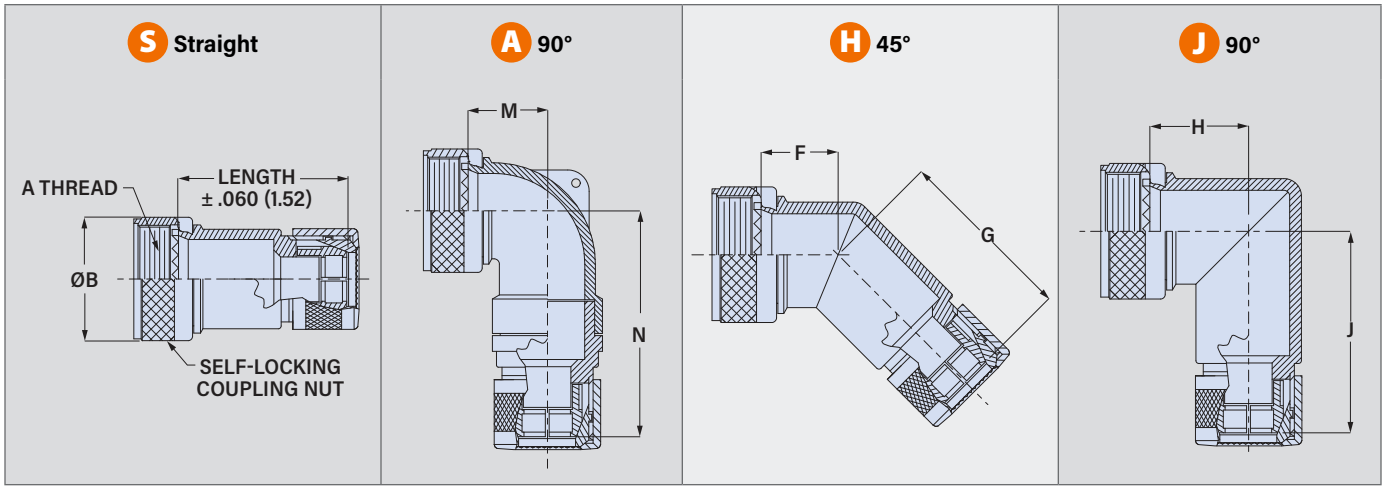
Series 36 Strain Relief Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

360A*017 Backshell, Strain Relief, Qwik-Clamp®



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	M Max in	M Max mm	N Max in	N Max mm	Max Entry Size
08	0.500-20 UNF	.69	17.5	.795	20.2	1.39	35.3	.906	23.0	1.50	38.1	.655	16.6	1.64	41.7	08
10	0.625-24 UNEF	.82	20.8	.820	20.8	1.42	36.1	.966	24.5	1.56	39.6	750	19.1	1.76	44.7	12
12	0.750-20 UNEF	.94	23.9	.844	21.4	1.44	36.6	1.026	26.1	1.62	41.1	.765	19.4	1.78	45.2	16
14	0.875-20 UNEF	1.06	26.9	.861	21.9	1.47	37.3	1.076	27.3	1.69	42.9	.855	21.7	1.85	47.0	16
16	1.000-20 UNEF	1.17	29.7	.888	22.6	1.49	37.8	1.136	28.9	1.75	44.5	1.040	26.4	1.94	49.3	20
18	1.0625-18 UNEF	1.46	37.1	.904	23.0	1.50	38.1	1.176	29.9	1.77	45.0	1.130	28.7	2.11	53.6	24
20	1.1875-18 UNEF	1.60	40.6	.929	23.6	1.52	38.6	1.236	31.4	1.83	46.5	1.130	28.7	2.11	53.6	28
22	1.3125-18 UNEF	1.70	43.2	.956	24.3	1.56	39.6	1.296	32.9	1.91	48.5	1.280	32.5	2.22	56.4	32
24	1.4375-18 UNEF	1.84	46.7	.979	24.9	1.59	40.4	1.356	34.4	1.98	50.3	1.280	32.5	2.22	56.4	36

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Series 36 Strain Relief Backshells

for AS50151 Solder Connectors

360BS002 Backshell, Strain Relief, Direct Coupling

Heavy duty saddle clamp. 360BS002 backshell fits AS50151 (MS3100) solder connectors. includes universal thread adapters as required to assure compatibility with all connector manufacturers. Direct coupling, nonenvironmental. Heavy duty die cast saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

Adapter Code B

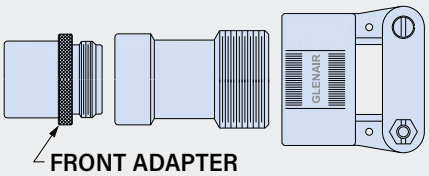
Fits AS50151 Series 1 AN Type solder Connectors . AS310*1, MS3100.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the "***Max Entry Size***" in the table, the backshell will include a front adapter. This is called a ***Style 2*** backshell.

Shell Size	Max Entry Size
10S	04
10SL	06
12, 12S	06
14, 14S	10
16, 16S	10
18	12
20	16
22	16
24	20
28	24
32	28
36	28
40	32

STYLE 2 BACKSHELL



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

PART NUMBER

	360BS002	NF	15	06	H	4	A

Base P/N — 360BS002

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Code	Shell Size	Code	Shell Size
05	10S	20	22
08	10SL	21	24
11	12, 12S	22	28
14	14, 14S	23	32
15	16, 16S	26	36
16	18	31	40
17	20		

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
04	.312 (7.9)	10S-40	16	.937 (23.8)	20-40
06	.437 (11.1)	10SL-40	20	1.250 (31.8)	24-40
08	.562 (14.3)	14-40	24	1.375 (34.9)	28-40
10	.625 (15.9)	14-40	28	1.625 (41.3)	32-40
12	.750 (19.1)	18-40	32	1.875 (47.6)	40

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

Strain Relief — H — Saddle Clamp

Length

3	1.5 inches	*1.5 inch minimum. If Entry Size is greater than "Max Entry Size" in table, then 2 inch minimum applies.*
4	2.0 inches	
6	3.0 inches	
8	4.0 inches	

Connector Manufacturer Code — A — Universal — *Compatible with all manufacturers. includes additional thread adapter(s) as necessary to fit multiple manufacturers. See following page for thread adapter details.*

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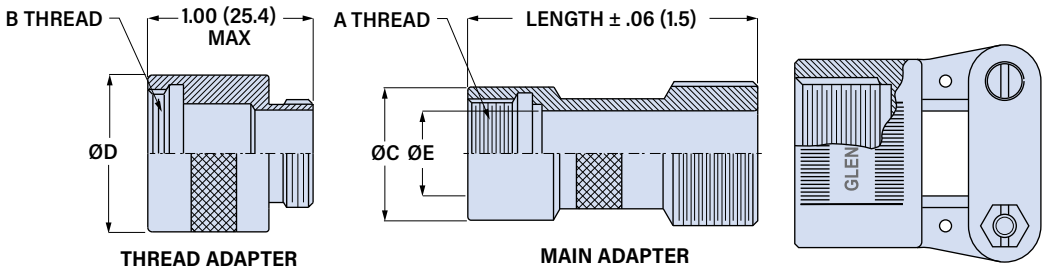
Series 36 Strain Relief Backshells

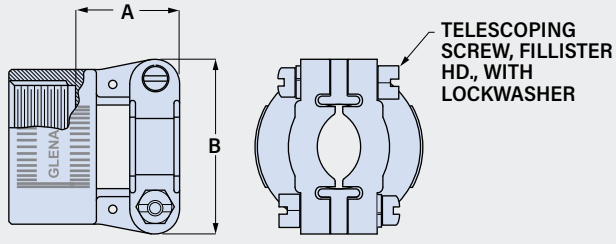
for AS50151 Solder Connectors

360BS002 Backshell, Strain Relief, Direct Coupling



Shell Size Code	Shell Size	A Main Adapter Class 2B	B Thread Adapter Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm	øE in	øE mm
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4	.40	10.2
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4	.44	11.2
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6	.49	12.4
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A	.62	15.7
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A	.74	18.8
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A	.87	22.2
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3	.99	25.1
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A	1.12	28.4
21	24	1.3750-18 UNEF	N/A	1.468	37.3	N/A	N/A	1.28	32.5
22	28	1.6250-18 UNEF	N/A	1.593	40.5	N/A	N/A	1.49	37.8
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4	1.74	44.2
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7	1.86	47.2
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1	2.18	55.4

STRAIN RELIEF DIMENSIONS



Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

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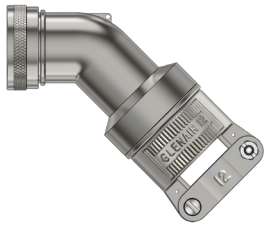
Series 36 Strain Relief Backshells

for MIL-DTL-38999 Series I/II Connectors

360F*001 Backshell, Strain Relief, Spin Coupling



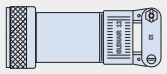
Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

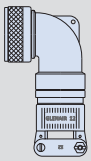
Straight, 45° and 90°. Heavy duty saddle clamp. 360F*001 backshell fits MIL-DTL-38999 Series I and II connectors. Spin coupling, nonenvironmental. Heavy duty die cast saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PROFILES

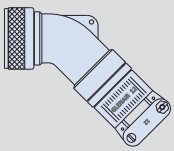
S Straight



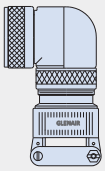
A 90°



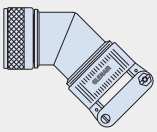
B 45°



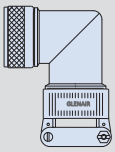
D 90° Split



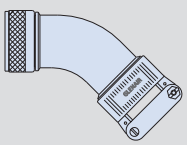
H 45°



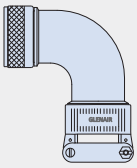
J 90°



M 45°



N 90°



PART NUMBER

	360FS001	M	12	04	H	3

Base P/N

Base Part No.		Profile
360FS001	S	Straight
360FA001	A	90° Elbow
360FB001	B	45° Elbow
360FD001	D	90° Split
360FH001	H	45° Cut/Weld
360FJ001	J	90° Cut/Weld
360FM001	M	45° Full Radius
360FN001	N	90° Full Radius

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size*

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
03	.250 (7.9)	08-24	16	.937 (23.8)	20-24
04	.312 (7.9)	10-24	20	1.250 (31.8)	24
06	.437 (11.1)	12-24	24	1.375 (34.9)	-
08	.562 (14.3)	14-24	28	1.625 (41.3)	-
10	.625 (15.9)	16-24	32	1.875 (47.6)	-
12	.750 (19.1)	18-24			

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

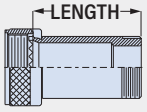
Strain Relief

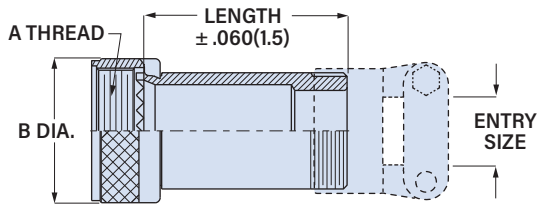
H	Saddle Clamp

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.





Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
08	0.4375-28	.650	16.5	18	1.0625-18	1.230	31.2
10	0.5625-24	.770	19.6	20	1.1875-18	1.360	34.5
12	0.6875-24	.890	22.6	22	1.3125-18	1.480	37.6
14	0.8125-20	1.020	25.9	24	1.4375-18	1.730	43.9
16	0.9375-20	1.150	29.2				

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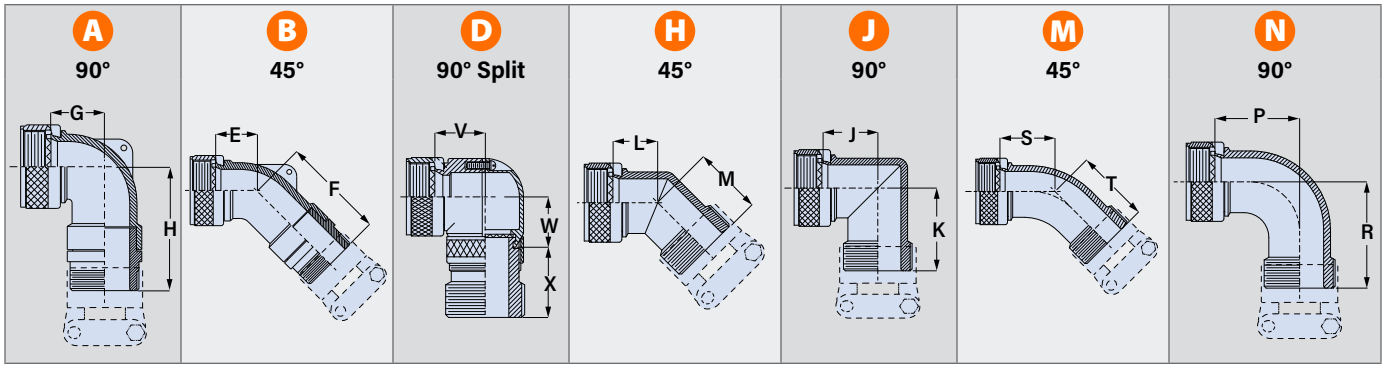
Rev. 03.31.26

Series 36 Strain Relief Backshells

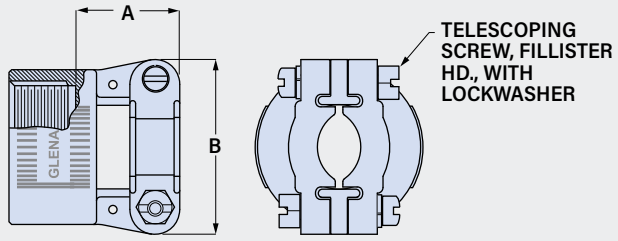
for MIL-DTL-38999 Series I/II Connectors

360F*001 Backshell, Strain Relief, Spin Coupling



Shell Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm	V Max in	V Max mm	W Max in	W Max mm	X Max in	X Max mm
08	.457	11.6	1.622	41.2	.500	12.7	1.632	41.5	.834	21.2	1.144	29.1	.726	18.5	1.036	26.3	1.125	28.6	1.445	36.7	.817	20.8	1.127	28.6	.680	17.2	1.670	42.4	1.00	25.4
10	.520	13.2	1.682	42.7	.595	15.1	1.752	44.5	.898	22.8	1.209	30.7	.753	19.1	1.062	27.0	1.250	31.8	1.570	39.9	.861	21.9	1.181	30.0	.750	19.0	1.725	43.8	1.00	25.4
12	.582	14.8	1.742	44.2	.610	15.5	1.772	45.0	.956	24.3	1.266	32.1	.777	19.7	1.087	27.6	1.375	34.9	1.695	43.1	.911	23.1	1.231	31.3	.810	20.5	1.795	45.5	1.00	25.4
14	.645	16.4	2.062	52.4	.700	17.8	2.072	52.6	1.018	25.9	1.328	33.7	.802	20.4	1.113	28.3	1.500	38.1	1.820	46.2	.965	24.5	1.285	32.6	.870	22.0	1.827	46.4	1.00	25.4
16	.738	18.7	2.172	55.2	.885	22.5	2.162	54.9	1.081	27.4	1.391	35.3	.828	21.0	1.138	28.9	1.625	41.3	1.945	49.4	1.014	25.8	1.334	33.9	.930	23.6	1.927	48.9	1.00	25.4
18	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.125	28.6	1.435	36.4	.847	21.5	1.157	29.4	1.750	44.5	2.070	52.6	1.064	27.0	1.384	35.2	1.000	25.4	1.985	50.4	1.00	25.4
20	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.188	30.2	1.498	38.0	.873	22.2	1.183	30.0	1.875	47.6	2.195	55.8	1.118	28.4	1.438	36.5	1.060	26.9	2.046	51.9	1.00	25.4
22	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.250	31.8	1.560	39.6	.898	22.8	1.208	30.7	2.000	50.8	2.320	58.9	1.172	29.8	1.492	37.9	1.120	28.4	2.107	53.5	1.50	38.1
24	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.312	33.3	1.623	41.2	.942	23.5	1.234	31.4	2.125	54.0	2.445	62.1	1.221	31.0	1.541	39.1	1.180	29.2	2.165	54.9	1.50	38.1

STRAIN RELIEF DIMENSIONS



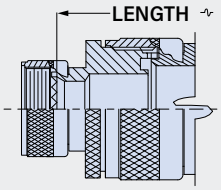
Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

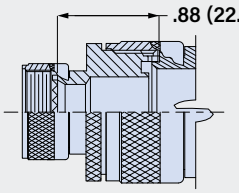
Shell Size	Maximum Entry Size
8/9	03
10/11	04
12/13	06
14/15	08
16/17	10
18/19	12
20/21	12
22/23	16
24/25	20

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Series 36 Strain Relief Backshells

for MIL-DTL-38999 Series I/II Connectors

360F*014 Backshell, Strain Relief, Composite, Self-Locking

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Straight and 90°. Composite. Self-locking. 360F*014 backshell fits MIL-DTL-38999 Series I and II connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Full radius saddle clamp has telescoping screws. Polyetherimide, stainless steel screws and lockwashers.

MATERIAL/FINISH

Coupling nut, saddles: polyetherimide (PEI), unplated
Body: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

		360FS014	**XW**	**18**	**14**

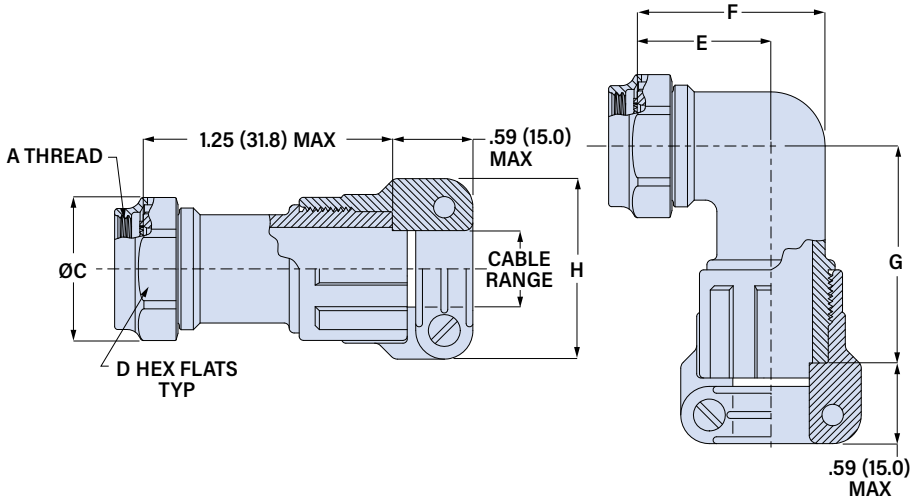
Base P/N	**360FS014**	Straight
	360FW014	90°
Body Finish	**XM**	Electroless Nickel
	XW	Olive drab Cadmium
	XB	Unplated, Black color
	XO	Unplated, Natural (amber) Color
	XZN	Black Zinc-Nickel

Shell Size										
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**

Entry Size — *See Table 1*

TABLE 1: ENTRY SIZE

Entry Size	Cable Range in Min	in Max	mm Min	mm Max	H Max in	H Max mm	Shell Sizes
10	.20	.25	5.1	6.4	1.00	25.4	08-24
12	.29	.38	7.4	9.7	1.23	31.2	10-24
14	.40	.44	10.1	11.2	1.34	34.0	12-24
16	.48	.63	12.2	15.9	1.47	37.3	14-24
18	.55	.69	14.0	17.5	1.56	39.6	16-24
20	.64	.75	16.3	19.1	1.62	41.1	16-24
22	.72	.88	18.3	22.2	1.75	44.5	20-24
24	.79	1.00	20.0	25.4	1.87	47.5	22-24
28	.89	1.13	20.3	28.6	1.97	50.0	24



Shell Size	A Thread UNEF-2B	øC Max in	øC Max mm	D Flats in	D Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	Max Entry Size
08	0.4375-28	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	27.0	10
10	0.5625-24	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	12
12	0.6875-24	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	14
14	0.8125-20	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	16
16	0.9375-20	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	20
18	1.0625-18	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	20
20	1.1875-18	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	22
22	1.3125-18	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	24
24	1.4375-18	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	28

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Series 36 Strain Relief Backshells

for MIL-DTL-38999 Series I/II Connectors

360F*017 Backshell, Strain Relief, Qwik-Clamp®

Self-Locking

Qwik-Clamp®

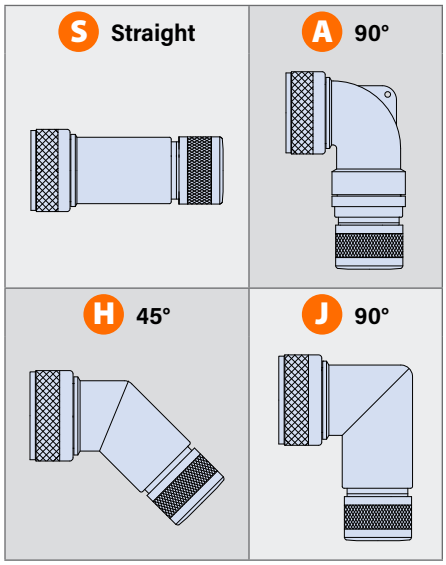
- No exposed screws
- High vibration
- NASA approved cable clamp

Screwless cable clamp. Self-locking. 360F*017 backshell fits MIL-DTL-38999 Series I and II connectors. Rotate clamp nut to tighten internal cable clamp. Clamp nut has anti-rotation device. Coupling nut has anti-decoupling mechanism providing audible detented coupling and preventing backoff under high vibration. Non-environmental. Adapter, elbows, coupling nut and clamp nut are aluminum, internal clamp components are thermoplastic.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

PROFILES



PART NUMBER

	360FS017	C	18	14	6

Base P/N

Base Part No.	Profile
360FS017	S Straight
360FA017	A 90° Elbow
360AH017	H 45° Cut/Weld
360AJ017	J 90° Cut/Weld

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

Shell Size									
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. in 1/2 inch increments.

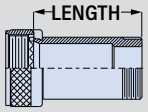
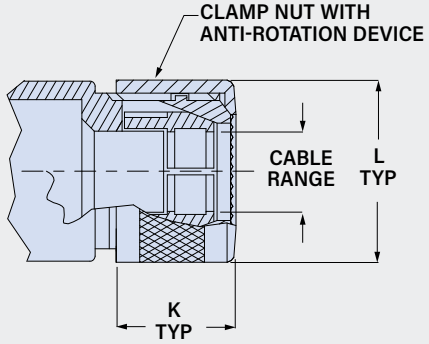


TABLE 1: ENTRY SIZE

Entry Size	Cable Range in Min	Cable Range in Max	Cable Range mm Min	Cable Range mm Max	K Max in	K Max mm	L Max in	L Max mm	Shell Size
08	.128	.250	3.3	6.4	.530	13.5	.720	18.3	08-24
12	.233	.375	5.9	9.5	.710	18.0	.910	23.1	10-24
16	.358	.500	9.1	12.7	.720	18.3	1.090	27.7	12-24
20	.482	.625	12.2	15.9	.720	18.3	1.220	31.0	14-24
24	.545	.750	13.8	19.1	.660	16.8	1.340	34.0	16-24
28	.670	.875	17.0	22.2	.790	20.1	1.530	38.9	18-24
32	.795	1.000	20.2	25.4	.870	22.1	1.720	43.7	22-24
36	.889	1.125	22.6	28.6	.830	21.1	1.850	47.0	24



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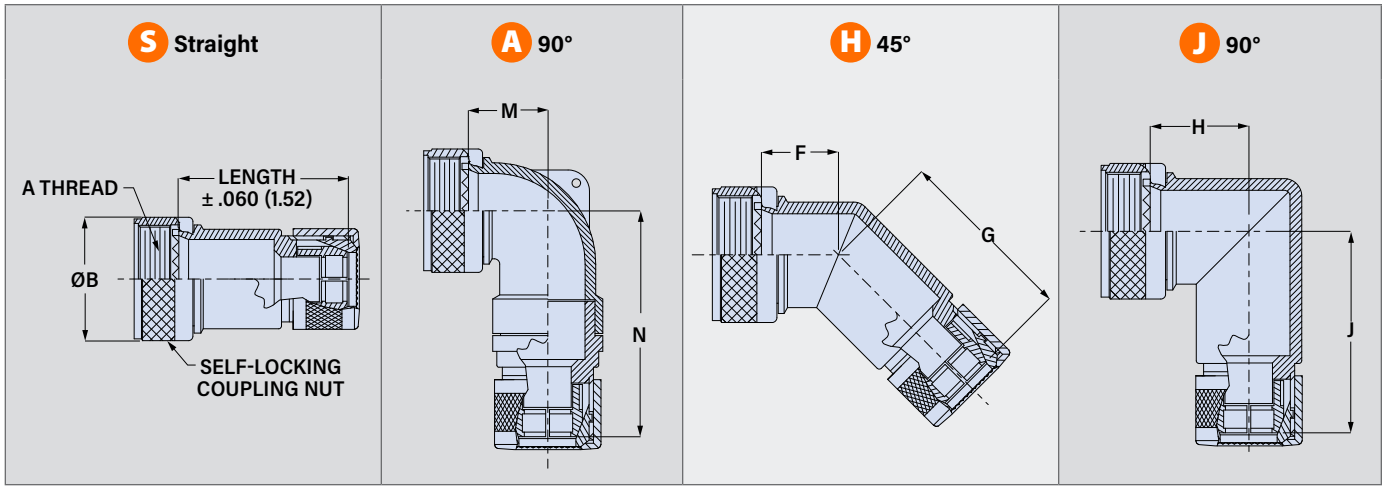
Series 36 Strain Relief Backshells

for MIL-DTL-38999 Series I/II Connectors

360F*017 Backshell, Strain Relief, Qwik-Clamp®



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	M Max in	M Max mm	N Max in	N Max mm	Max Entry Size
08	0.4375-28 UNEF	.860	21.8	.795	20.2	1.39	35.3	.906	23.0	1.50	38.1	.655	16.6	1.64	41.7	08
10	0.5625-24 UNEF	.970	24.6	.820	20.8	1.42	36.1	.966	24.5	1.56	39.6	750	19.1	1.76	44.7	12
12	0.6875-24 UNEF	1.110	28.2	.844	21.4	1.44	36.6	1.026	26.1	1.62	41.1	.765	19.4	1.78	45.2	16
14	0.8125-20 UNEF	1.210	30.7	.861	21.9	1.47	37.3	1.076	27.3	1.69	42.9	.855	21.7	1.85	47.0	16
16	0.9375-20 UNEF	1.350	34.3	.888	22.6	1.49	37.8	1.136	28.9	1.75	44.5	1.040	26.4	1.94	49.3	20
18	1.0625-18 UNEF	1.460	37.1	.904	23.0	1.50	38.1	1.176	29.9	1.77	45.0	1.130	28.7	2.11	53.6	24
20	1.1875-18 UNEF	1.600	40.6	.929	23.6	1.52	38.6	1.236	31.4	1.83	46.5	1.130	28.7	2.11	53.6	28
22	1.3125-18 UNEF	1.700	43.2	.956	24.3	1.56	39.6	1.296	32.9	1.91	48.5	1.280	32.5	2.22	56.4	32
24	1.4375-18 UNEF	1.840	46.7	.979	24.9	1.59	40.4	1.356	34.4	1.98	50.3	1.280	32.5	2.22	56.4	36

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Series 36 Strain Relief Backshells

for MIL-DTL-38999 Series III/IV Connectors

360H*001 Backshell, Strain Relief, Spin Coupling

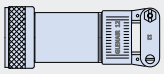
Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

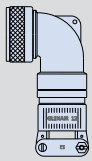
Straight, 45° and 90°. Heavy duty saddle clamp. 360H*001 backshell fits MIL-DTL-38999 Series III and IV connectors. Spin coupling, nonenvironmental. Heavy duty die cast saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PROFILES

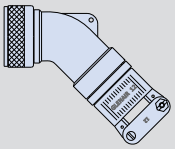
S Straight



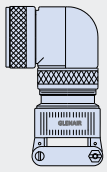
A 90°



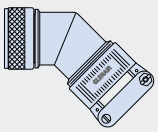
B 45°



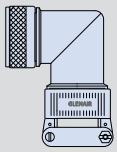
D 90° Split



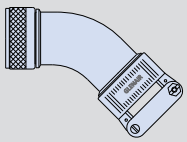
H 45°



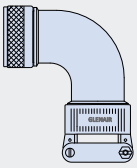
J 90°



M 45°



N 90°



PART NUMBER

360HS001	M	17	08	H	3

Base P/N

Base Part No.		Profile
360HS001	S	Straight
360HA001	A	90° Elbow
360HB001	B	45° Elbow
360HD001	D	90° Split
360HH001	H	45° Cut/Weld
360HJ001	J	90° Cut/Weld
360HM001	M	45° Full Radius
360HN001	N	90° Full Radius

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
Size Code	09	11	13	15	17	19	21	23	25

Entry Size*

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
03	.250 (7.9)	09-25	16	.937 (23.8)	21-25
04	.312 (7.9)	11-25	20	1.250 (31.8)	25
06	.437 (11.1)	13-25	24	1.375 (34.9)	-
08	.562 (14.3)	15-25	28	1.625 (41.3)	-
10	.625 (15.9)	15-25	32	1.875 (47.6)	-
12	.750 (19.1)	17-25			

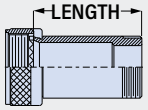
** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

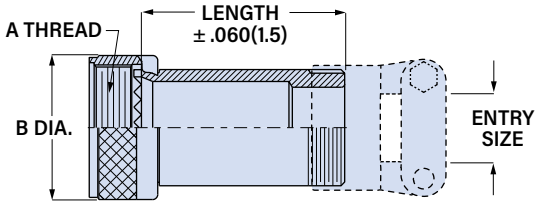
Strain Relief H Saddle Clamp,

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.





Shell Size	A Thread	øB Max in	øB Max mm	Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.770	19.6	19 (F)	M28X1.0-6H	1.360	34.5
11 (B)	M15X1.0-6H	.840	21.3	21 (G)	M31X1.0-6H	1.480	37.6
13 (C)	M18X1.0-6H	.960	24.4	23 (H)	M34X1.0-6H	1.600	40.6
15 (D)	M22X1.0-6H	1.090	27.7	25 (J)	M37X1.0-6H	1.720	43.7
17 (E)	M25X1.0-6H	1.230	31.2				

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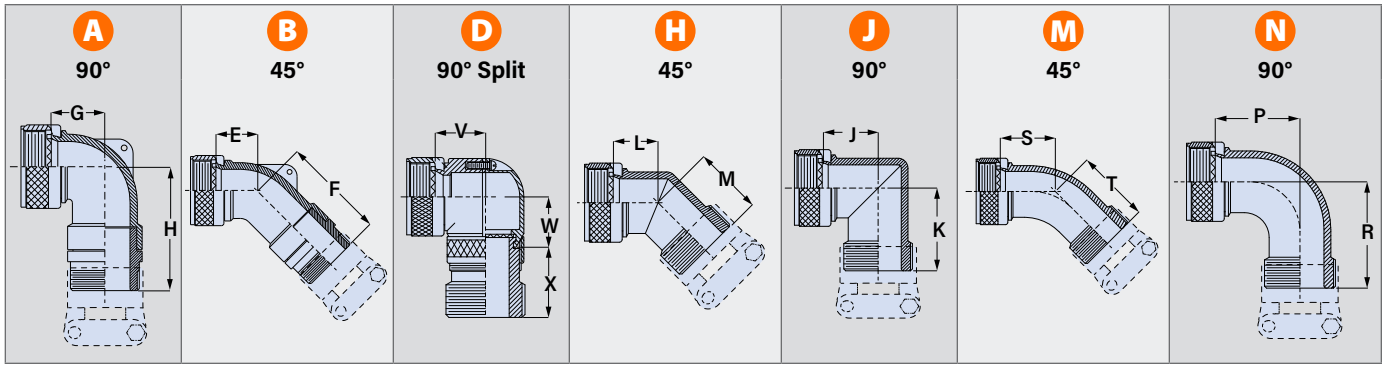
Series 36 Strain Relief Backshells

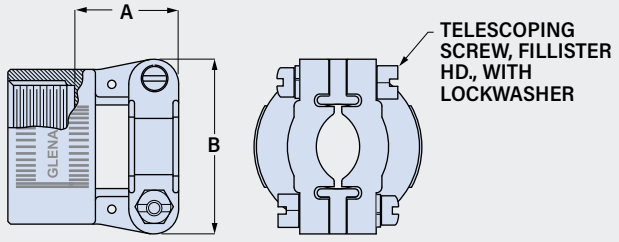
for MIL-DTL-38999 Series III/IV Connectors

360H*001 Backshell, Strain Relief, Spin Coupling



Shell Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm	V Max in	V Max mm	W Max in	W Max mm	X Max in	X Max mm
9 (A)	.457	11.6	1.622	41.2	.500	12.7	1.632	41.5	.834	21.2	1.144	29.1	.726	18.5	1.036	26.3	1.125	28.6	1.445	36.7	.817	20.8	1.127	28.6	.680	17.2	1.670	42.4	1.00	25.4
11 (B)	.520	13.2	1.682	42.7	.595	15.1	1.752	44.5	.898	22.8	1.209	30.7	.753	19.1	1.062	27.0	1.250	31.8	1.570	39.9	.861	21.9	1.181	30.0	.750	19.0	1.725	43.8	1.00	25.4
13 (C)	.582	14.8	1.742	44.2	.610	15.5	1.772	45.0	.956	24.3	1.266	32.1	.777	19.7	1.087	27.6	1.375	34.9	1.695	43.1	.911	23.1	1.231	31.3	.810	20.5	1.795	45.5	1.00	25.4
15 (D)	.645	16.4	2.062	52.4	.700	17.8	2.072	52.6	1.018	25.9	1.328	33.7	.802	20.4	1.113	28.3	1.500	38.1	1.820	46.2	.965	24.5	1.285	32.6	.870	22.0	1.827	46.4	1.00	25.4
17 (E)	.738	18.7	2.172	55.2	.885	22.5	2.162	54.9	1.081	27.4	1.391	35.3	.828	21.0	1.138	28.9	1.625	41.3	1.945	49.4	1.014	25.8	1.334	33.9	.930	23.6	1.927	48.9	1.00	25.4
19 (F)	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.125	28.6	1.435	36.4	.847	21.5	1.157	29.4	1.750	44.5	2.070	52.6	1.064	27.0	1.384	35.2	1.000	25.4	1.985	50.4	1.00	25.4
21 (G)	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.188	30.2	1.498	38.0	.873	22.2	1.183	30.0	1.875	47.6	2.195	55.8	1.118	28.4	1.438	36.5	1.060	26.9	2.046	51.9	1.00	25.4
23 (H)	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.250	31.8	1.560	39.6	.898	22.8	1.208	30.7	2.000	50.8	2.320	58.9	1.172	29.8	1.492	37.9	1.120	28.4	2.107	53.5	1.50	38.1
25 (J)	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.312	33.3	1.623	41.2	.942	23.5	1.234	31.4	2.125	54.0	2.445	62.1	1.221	31.0	1.541	39.1	1.180	29.2	2.165	54.9	1.50	38.1

STRAIN RELIEF DIMENSIONS



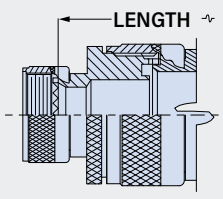
Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

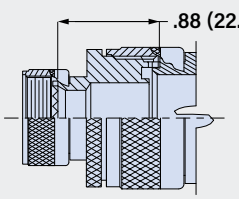
Shell Size	Maximum Entry Size
9 (A)	03
11 (B)	04
13 (C)	06
15 (D)	10
17 (E)	12
19 (F)	12
21 (G)	16
23 (H)	16
25 (J)	20

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Series 36 Strain Relief Backshells

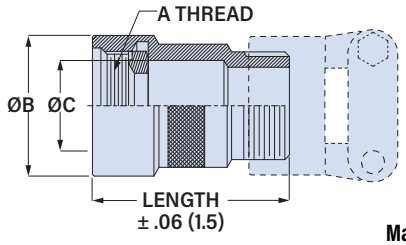
for MIL-DTL-38999 Series III/IV Connectors

360HS002 Backshell, Strain Relief, Direct Coupling

Heavy duty saddle clamp. 360HS002 backshell fits MIL-DTL-38999 Series III and IV connectors. Direct coupling, non-environmental. Heavy duty die cast saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

Adapter Code H

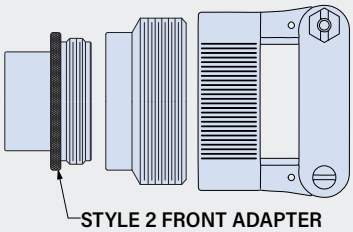
This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV



Shell Size	A Thread	øB Max in	øB Max mm	øC in	øC mm	Max Entry Size (1)
09	M12X1.0-6H	.65	16.5	.30	7.6	04
11	M15X1.0-6H	.77	19.6	.43	10.9	06
13	M18X1.0-6H	.89	22.6	.55	14.0	08
15	M22X1.0-6H	1.03	26.2	.68	17.3	10
17	M25X1.0-6H	1.15	29.2	.80	20.3	12
19	M28X1.0-6H	1.28	32.5	.93	23.6	16
21	M31X1.0-6H	1.41	35.8	1.05	26.7	16
23	M34X1.0-6H	1.53	38.9	1.18	30.0	16
25	M37X1.0-6H	1.66	42.2	1.30	33.0	20

MAXIMUM ENTRY SIZE

(1) If the selected entry size exceeds the maximum size shown in table, the backshell will include a Style 2 front adapter.



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

PART NUMBER

	360HS002	M	11	04	H	3

Base P/N — 360HS002

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
Size Code	A	B	C	D	E	F	G	H	J
	09	11	13	15	17	19	21	23	25

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
04	.312 (7.9)	09-25	16	.937 (23.8)	19-25
06	.437 (11.1)	11-25	20	1.250 (31.8)	25
08	.562 (14.3)	13-25	24	1.375 (34.9)	-
10	.625 (15.9)	15-25	28	1.625 (41.3)	-
12	.750 (19.1)	17-25	32	1.875 (47.6)	-

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

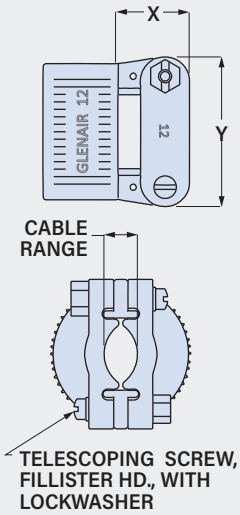
Strain Relief — H — Saddle Clamp, Heavy Duty

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

If Entry Size is greater than "Max Entry Size" (see table at left), then 2 inch minimum applies.

STRAIN RELIEF DIMENSIONS



Entry Size	X Max in	X Max mm	Y Max in	Y Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

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Series 36 Strain Relief Backshells

for MIL-DTL-38999 Series III/IV Connectors

360H*014 Backshell, Strain Relief, Composite, Self-Locking

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Straight and 90°. Composite. Self-locking. 360H*014 backshell fits MIL-DTL-38999 Series III and IV connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Full radius saddle clamp has telescoping screws. Polyetherimide, stainless steel screws and lockwashers.

MATERIAL/FINISH

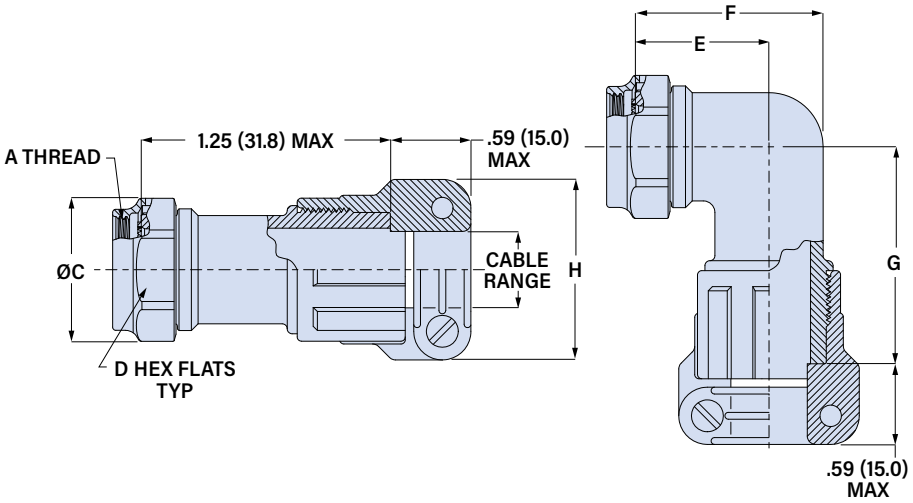
Coupling nut, saddles: polyetherimide (PEI), unplated
Body: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

									360HS014	XW	17	14
Base P/N	**360HS014** Straight **360HW014** 90°											
Body Finish	**XM** Electroless Nickel **XW** Olive drab Cadmium **XB** Unplated, Black color **XO** Unplated, Natural (amber) Color **XZN** Black Zinc-Nickel											
Shell Size	Shell Size	9	11	13	15	17	19	21	23	25		
		A	B	C	D	E	F	G	H	J		
	Size Code	09	11	13	15	17	19	21	23	25		
Entry Size	*See Table 1*											

TABLE 1: ENTRY SIZE

Entry Size	Cable Range in Min	Cable Range in Max	Cable Range mm Min	Cable Range mm Max	H Max in	H Max mm	Shell Sizes
10	.20	.25	5.1	6.4	1.00	25.4	09-25
12	.29	.38	7.4	9.7	1.23	31.2	11-25
14	.40	.44	10.1	11.2	1.34	34.0	13-25
16	.48	.63	12.2	15.9	1.47	37.3	15-25
18	.55	.69	14.0	17.5	1.56	39.6	17-25
20	.64	.75	16.3	19.1	1.62	41.1	19-25
22	.72	.88	18.3	22.2	1.75	44.5	21-25
24	.79	1.00	20.0	25.4	1.87	47.5	23-25
28	.89	1.13	20.3	28.6	1.97	50.0	25



Shell Size	A Thread	øC Max in	øC Max mm	D Flats in	D Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	Max Entry Size
09	M12X1.0-6H	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	27.0	10
11	M15X1.0-6H	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	12
13	M18X1.0-6H	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	14
15	M22X1.0-6H	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	16
17	M25X1.0-6H	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	20
19	M28X1.0-6H	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	20
21	M31X1.0-6H	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	22
23	M34X1.0-6H	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	24
25	M37X1.0-6H	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	28

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Series 36 Strain Relief Backshells

for MIL-DTL-38999 Series III/IV Connectors

360H*017 Backshell, Strain Relief, Qwik-Clamp®

Self-Locking

Qwik-Clamp®

- No exposed screws
- High vibration
- NASA approved cable clamp

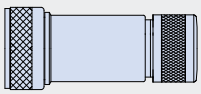
Screwless cable clamp. Self-locking. 360H*017 backshell fits MIL-DTL-38999 Series III and IV connectors. Rotate clamp nut to tighten internal cable clamp. Clamp nut has anti-rotation device. Coupling nut has anti-decoupling mechanism providing audible detented coupling and preventing backoff under high vibration. Non-environmental. Adapter, elbows, coupling nut and clamp nut are aluminum, internal clamp components are thermoplastic. -65° to +200° C.

Adapter Code H

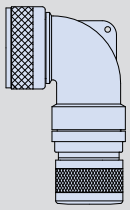
This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

PROFILES

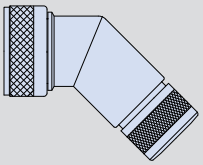
S Straight



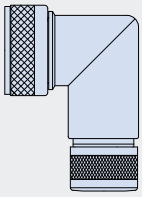
A 90°



H 45°



J 90°



PART NUMBER

	360HS017	M	11	12	4

Base P/N

Base Part No.	Profile
360HS017	S Straight
360HA017	A 90° Elbow
360HH017	H 45° Cut/Weld
360HJ017	J 90° Cut/Weld

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size *See Table 1*

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. in 1/2 inch increments.

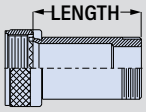
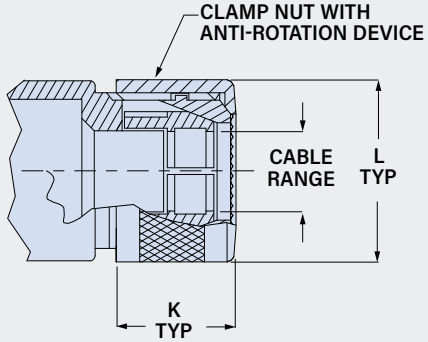


TABLE 1: ENTRY SIZE

Entry Size	Cable Range in Min	Cable Range in Max	Cable Range mm Min	Cable Range mm Max	K Max in	K Max mm	L Max in	L Max mm	Shell Size
08	.128	.250	3.3	6.4	.530	13.5	.720	18.3	09-25
12	.233	.375	5.9	9.5	.710	18.0	.910	23.1	11-25
16	.358	.500	9.1	12.7	.720	18.3	1.090	27.7	13-25
20	.482	.625	12.2	15.9	.720	18.3	1.220	31.0	15-25
24	.545	.750	13.8	19.1	.660	16.8	1.340	34.0	17-25
28	.670	.875	17.0	22.2	.790	20.1	1.530	38.9	19-25
32	.795	1.000	20.2	25.4	.870	22.1	1.720	43.7	23, 25
36	.889	1.125	22.6	28.6	.830	21.1	1.850	47.0	25



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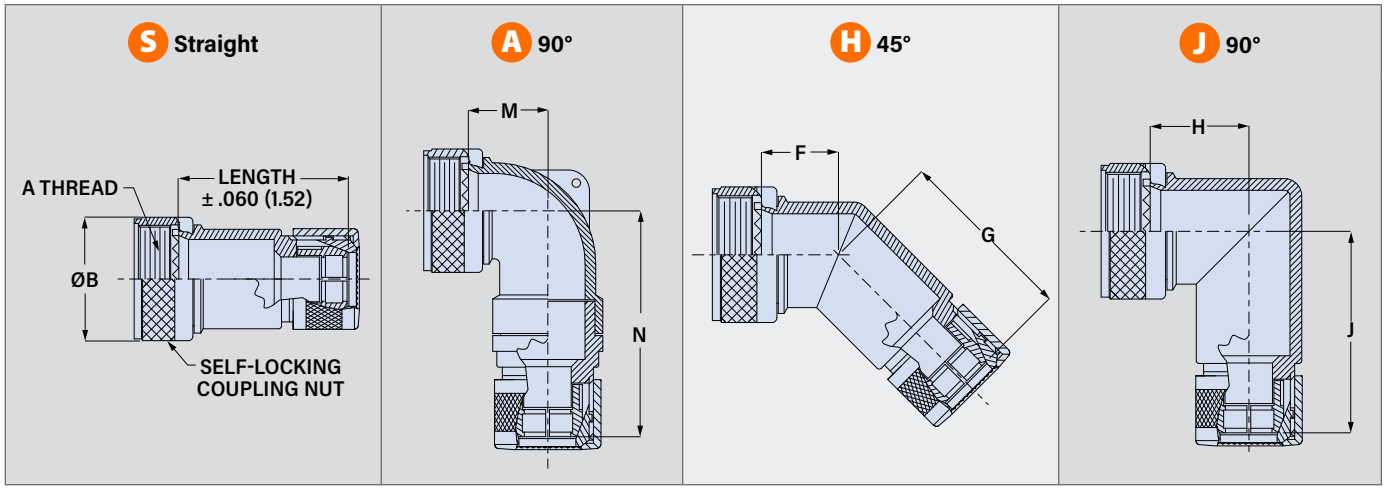
Series 36 Strain Relief Backshells

for MIL-DTL-38999 Series III/IV Connectors

360H*017 Backshell, Strain Relief, Qwik-Clamp®



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	M Max in	M Max mm	N Max in	N Max mm	Max Entry Size
08	M12X1.0-6H	.94	24.8	.795	20.2	1.39	35.3	.906	23.0	1.50	38.1	.655	16.6	1.64	41.7	08
10	M15X1.0-6H	1.06	26.9	.820	20.8	1.42	36.1	.966	24.5	1.56	39.6	750	19.1	1.76	44.7	12
12	M18X1.0-6H	1.17	29.7	.844	21.4	1.44	36.6	1.026	26.1	1.62	41.1	.765	19.4	1.78	45.2	16
14	M22X1.0-6H	1.29	32.7	.861	21.9	1.47	37.3	1.076	27.3	1.69	42.9	.855	21.7	1.85	47.0	16
16	M25X1.0-6H	1.42	36.1	.888	22.6	1.49	37.8	1.136	28.9	1.75	44.5	1.040	26.4	1.94	49.3	20
18	M28X1.0-6H	1.54	39.1	.904	23.0	1.50	38.1	1.176	29.9	1.77	45.0	1.130	28.7	2.11	53.6	24
20	M31X1.0-6H	1.67	42.4	.929	23.6	1.52	38.6	1.236	31.4	1.83	46.5	1.130	28.7	2.11	53.6	28
22	M34X1.0-6H	2.01	51.1	.956	24.3	1.56	39.6	1.296	32.9	1.91	48.5	1.280	32.5	2.22	56.4	32
24	M37X1.0-6H	2.12	53.8	.979	24.9	1.59	40.4	1.356	34.4	1.98	50.3	1.280	32.5	2.22	56.4	36

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Series 36 Strain Relief Backshells

for MIL-DTL-28840 Connectors

360G*003 Backshell, Strain Relief, Spin Coupling

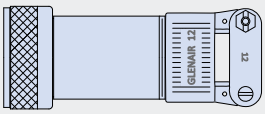
Straight, 45° and 90°. Heavy duty saddle clamp. 360G*003 backshell fits MIL-DTL-28840 connectors. Spin coupling, non-environmental. Heavy duty die cast saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

Adapter Code G

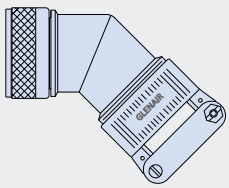
This accessory fits MIL-DTL-28840 and Glenair Series 901 Connectors

PROFILES

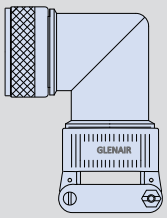
S Straight



H 45°



J 90°



PART NUMBER

	360GS003	**TZ**	**15**	**06**	**H**	**3**

Base P/N

Base Part No.		Profile
360GS003	S	Straight
360GH003	H	45° Cut/Weld
360GJ003	J	90° Cut/Weld

Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Cadmium, Olive Drab
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated
ZU	SST/Cadmium, Black
ZTZ	SST/Tin-Zinc

Shell Size

Shell Size	11	13	15	17	19	23	25	29	33
	A	B	C	D	E	F	G	H	J
Size Code	11	13	15	17	19	23	25	29	33

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
04	.312 (7.9)	11-33	16	.937 (23.8)	23-33
06	.437 (11.1)	13-33	20	1.250 (31.8)	29-33
08	.562 (14.3)	15-33	24	1.375 (34.9)	29-33
10	.625 (15.9)	15-33	28	1.625 (41.3)	33
12	.750 (19.1)	19-33	32	1.875 (47.6)	-

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

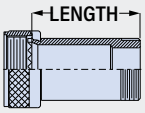
Strain Relief

H	Saddle Clamp

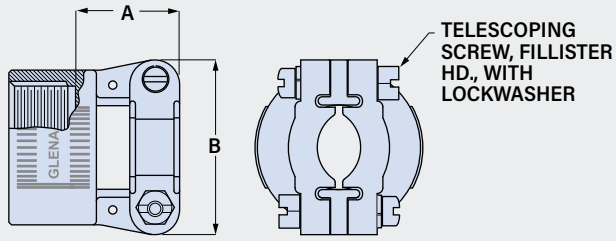
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



STRAIN RELIEF DIMENSIONS



Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

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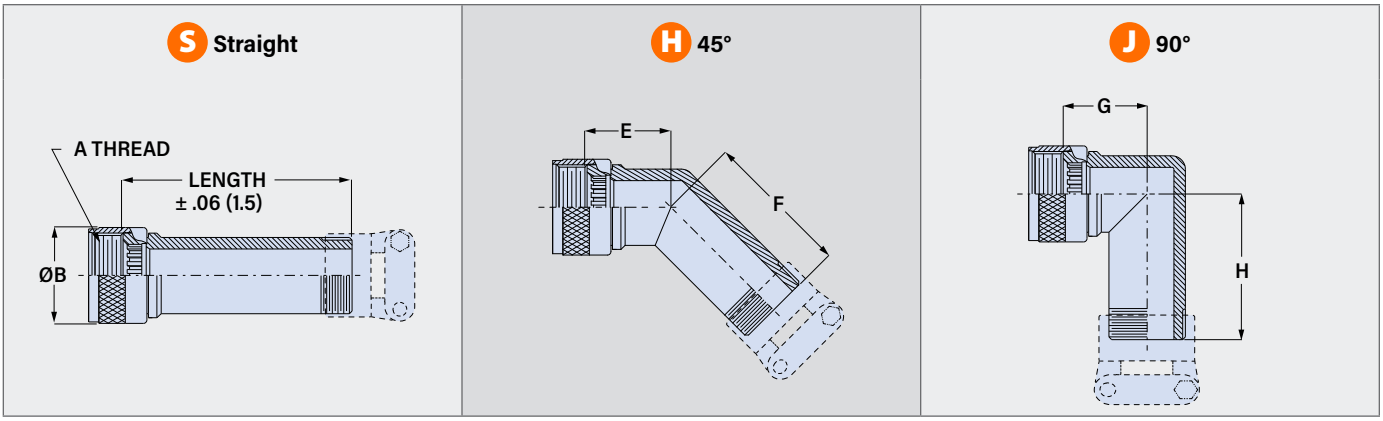
Series 36 Strain Relief Backshells

for MIL-DTL-28840 Connectors

360G*003 Backshell, Strain Relief, Spin Coupling



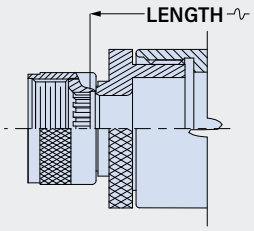
Size Code	Shell Size	A Thread Class 2B	øB Max in	øB Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
11	A (11)	.750-20 UNEF	.94	23.9	1.24	31.5	.92	23.4	1.38	35.1	1.06	26.9
13	B (13)	.875-20 UNEF	1.02	25.9	1.26	32.0	.94	23.9	1.44	36.6	1.12	28.4
15	C (15)	1.000-20 UNEF	1.21	30.7	1.29	32.8	.97	24.6	1.50	38.1	1.19	30.2
17	D (17)	1.125-18 UNEF	1.36	34.5	1.31	33.3	.99	25.1	1.57	39.9	1.25	31.8
19	E (19)	1.250-18 UNEF	1.53	38.9	1.34	34.0	1.02	25.9	1.63	41.4	1.33	33.8
23	F (23)	1.438-18 UNEF	1.73	43.9	1.38	35.1	1.06	26.9	1.73	43.9	1.41	35.8
25	G (25)	1.562-18 UNEF	1.82	46.2	1.41	35.8	1.09	27.7	1.80	45.7	1.48	37.6
29	H (29)	1.875-16 UN	2.19	55.6	1.58	40.1	1.26	32.0	2.04	51.8	1.72	43.7
33	J (33)	2.062-16 UNS	2.44	62.0	1.62	41.1	1.30	33.0	2.13	54.1	1.81	46.0

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

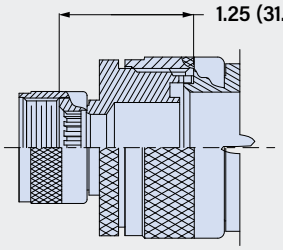
Shell Size	Maximum Entry Size
A (11)	04
B (13)	06
C (15)	10
D (17)	10
E (19)	12
F (23)	16
G (25)	16
H (29)	24
J (33)	28

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.25 inches.

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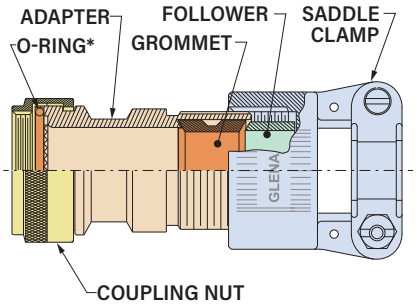
Series 37 Environmental Backshells

Selection Guide

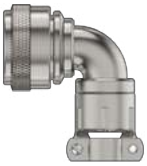
Series 37 Environmental Backshells

Series 37 environmental backshells protect electrical wiring harnesses from water ingress and mechanical strain. For use with unshielded jacketed cable. Strain reliefs include saddle clamp or gland nut. When strain relief is tightened onto backshell, silicone grommet compresses onto cable jacket for a watertight seal.

- Environmental
- Heavy-duty saddle clamp with telescoping screws
- Aluminum or stainless steel
- Straight, 45° and 90°
- Silicone cable sealing grommet
- Compatible with standard mil spec circular electrical connectors



** NO O-RING FOR ADAPTER CODES A, G*

Adapter Code **A** AS50151 crimp AS95234 MIL-DTL-26482 Ser. II MIL-DTL-83723 Ser. III	 Environmental Backshell, Spin Coupling **370A*001** Page 37-2	Adapter Code **B** AS50151 Solder	 Environmental Backshell, Direct Coupling **370B*002** Page 37-4
Adapter Code **D** MIL-DTL-26482 Series I	 Environmental Backshell, Direct Coupling **370D*002** Page 37-7	Adapter Code **E** MIL-DTL-26500	 Environmental Backshell, Direct Coupling **370E*002** Page 37-9
Adapter Code **F** MIL-DTL-38999 Series I and II	 Environmental Backshell, Spin Coupling **370F*001** Page 37-11	Adapter Code **G** MIL-DTL-28840	 Environmental Backshell, Spin Coupling **370G*007** Page 37-15
Adapter Code **H** MIL-DTL-38999 Series III and IV	 Environmental Backshell, Spin Coupling **370H*001** Page 37-13	Adapter Code **P** Series 970 PowerTrip	 Environmental Backshell, Spin Coupling **370P*024** Page 37-20
Adapter Code **M** Series 80 Mighty Mouse	 Environmental Backshell, Direct Coupling **370MS037** Page 37-17	 Environmental Backshell, Spin Coupling **370M*038** Page 37-18	

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REV 04.06.23

Series 37 Environmental Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

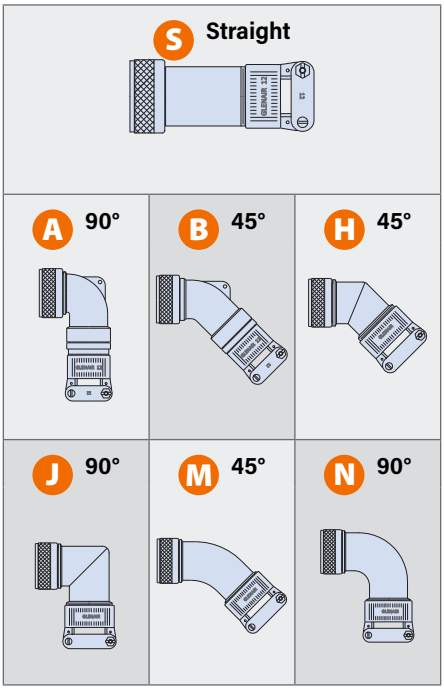
370A*001 Backshell, Environmental, Spin Coupling

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Submersible. Straight, 45° or 90°. 370A*001 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Spin coupling, environmentally sealed. For use with unshielded jacketed cable. Strain relief styles include saddle clamp or low profile nut. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone grommet.

PROFILE SELECTION GUIDE



PART NUMBER

	370AS001	M	10	04	H	4

Base P/N

Base Part No.	Profile	Size
370AS001	S Straight	08-40
370AA001	A 90° Elbow	08-36
370AB001	B 45° Elbow	08-36
370AH001	H 45° Cut/Weld	08-40
370AJ001	J 90° Cut/Weld	08-40
370AM001	M 45° Full Radius	08-32
370AN001	N 90° Full Radius	08-40

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

08 10 12 14 16 18 20 22 24 28 32 36 40

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
03	.250 (7.9)	08-40	16	.937 (23.8)	22-40
04	.312 (7.9)	10-40	20	1.250 (31.8)	28-40
06	.437 (11.1)	12-40	24	1.375 (34.9)	28-40
08	.562 (14.3)	14-40	28	1.625 (41.3)	32-40
10	.625 (15.9)	16-40	32	1.875 (47.6)	40
12	.750 (19.1)	18-40			

* *If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Strain Relief Type

H	Saddle Clamp
D	Nut

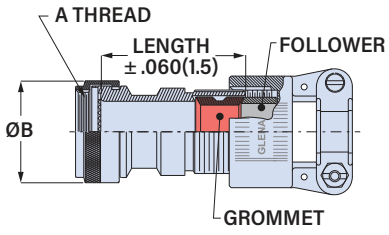
Saddle Clamp

Nut

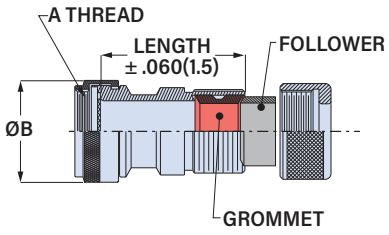
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



Saddle Clamp



Nut

Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.94	23.9
14	0.875-20 UNEF	1.07	27.2
16	1.000-20 UNEF	1.21	30.7
18	1.0625-18 UNEF	1.23	31.2
20	1.1875-18 UNEF	1.36	34.5
22	1.3125-18 UNEF	1.48	37.6
24	1.4375-18 UNEF	1.73	43.9
28	1.750-18 UNS	1.97	50.0
32	2.000-18 UNS	2.22	56.4
36	2.250-16 UN	2.47	62.7
40	2.500-16 UN	2.72	69.1

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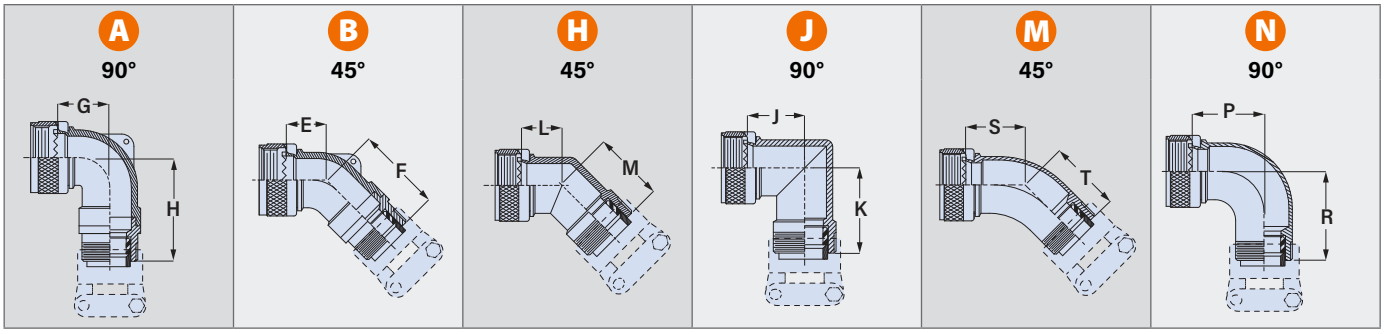
Series 37 Environmental Backshells

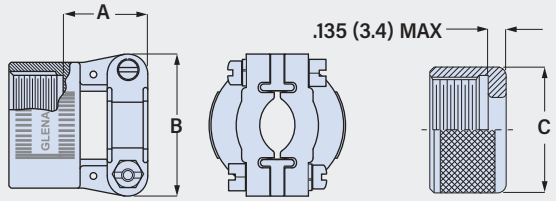
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

370A*001 Backshell, Environmental, Spin Coupling



Shell Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm
08	.457	11.6	1.622	41.2	.500	12.7	1.632	41.5	.834	21.2	1.144	29.1	.726	18.5	1.036	26.3	1.125	28.6	1.445	36.7	.817	20.8	1.127	28.6
10	.520	13.2	1.682	42.7	.595	15.1	1.752	44.5	.898	22.8	1.209	30.7	.753	19.1	1.062	27.0	1.250	31.8	1.570	39.9	.861	21.9	1.181	30.0
12	.582	14.8	1.742	44.2	.610	15.5	1.772	45.0	.956	24.3	1.266	32.1	.777	19.7	1.087	27.6	1.375	34.9	1.695	43.1	.911	23.1	1.231	31.3
14	.645	16.4	2.062	52.4	.700	17.8	2.072	52.6	1.018	25.9	1.328	33.7	.802	20.4	1.113	28.3	1.500	38.1	1.820	46.2	.965	24.5	1.285	32.6
16	.738	18.7	2.172	55.2	.885	22.5	2.162	54.9	1.081	27.4	1.391	35.3	.828	21.0	1.138	28.9	1.625	41.3	1.945	49.4	1.014	25.8	1.334	33.9
18	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.125	28.6	1.435	36.4	.847	21.5	1.157	29.4	1.750	44.5	2.070	52.6	1.064	27.0	1.384	35.2
20	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.188	30.2	1.498	38.0	.873	22.2	1.183	30.0	1.875	47.6	2.195	55.8	1.118	28.4	1.438	36.5
22	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.250	31.8	1.560	39.6	.898	22.8	1.208	30.7	2.000	50.8	2.320	58.9	1.172	29.8	1.492	37.9
24	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.312	33.3	1.623	41.2	.942	23.5	1.234	31.4	2.125	54.0	2.445	62.1	1.221	31.0	1.541	39.1
28	1.145	29.1	2.562	65.1	1.225	31.1	2.612	66.3	1.392	35.4	1.702	43.2	.957	24.3	1.267	32.2	2.375	60.3	2.695	68.5	1.325	33.7	1.645	41.8
32	1.207	30.7	2.662	67.6	1.575	40.0	2.862	72.7	1.515	38.5	1.825	46.4	1.008	25.6	1.318	33.5	2.675	67.9	2.995	76.1	1.495	37.8	1.815	46.1
36	1.238	31.4	2.752	69.9	1.775	45.1	2.862	72.7	1.623	41.2	1.932	49.1	1.053	26.7	1.363	34.6	2.785	70.7	3.105	78.9	N/A	N/A	N/A	N/A
40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.895	48.1	2.220	56.4	1.220	31.0	1.480	37.6	2.985	75.8	3.215	81.7	N/A	N/A	N/A	N/A

STRAIN RELIEF DIMENSIONS



Saddle Clamp **Nut**

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

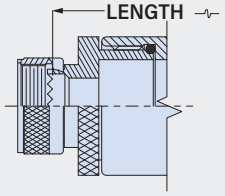
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

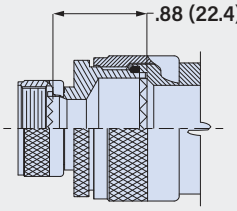
Shell Size	Max Entry Size	Shell Size	Max Entry Size
08	03	22	16
10	04	24	16
12	06	28	24
14	08	32	28
16	10	36	28
18	12	40	32
20	12		

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Series 37 Environmental Backshells

for AS50151 Solder Connectors

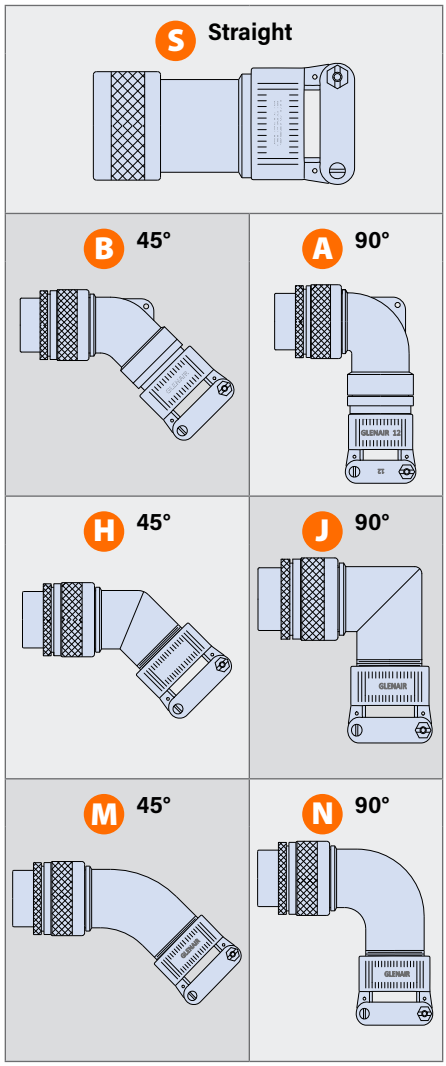
370B*002 Backshell, Environmental, Direct Coupling

Adapter Code B

Fits AS50151 Series 1 AN Type solder Connectors . AS310*1, MS3100.

Submersible. Straight, 45° or 90°. 370B*002 backshell fits AS50151 (MS3100) solder connectors. Direct coupling, environmentally sealed with O-ring and cable grommet. For use with unshielded jacketed cable. Strain relief styles include saddle clamp or low profile grommet nut. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-ring and grommet.

PROFILE SELECTION GUIDE



PART NUMBER

	370BA002	NF	15	06	D		A

Base P/N

370BS002	S	Straight
370BA002	A	90° Elbow
370BB002	B	45° Elbow
370BH002	H	45° Cut/Weld
370BJ002	J	90° Cut/Weld
370BM002	M	45° Full Radius
370BN002	N	90° Full Radius

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passiv. *(Profiles H, J, M, N, S only)*

Shell Size

Code	Shell Size	Code	Shell Size
05	10S	20	22
08	10SL	21	24
11	12, 12S	22	28
14	14, 14S	23	32
15	16, 16S	26	36
16	18	31	40
17	20		

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
04	.312 (7.9)	10S-40	16	.937 (23.8)	20-40
06	.437 (11.1)	10SL-40	20	1.250 (31.8)	24-40
08	.562 (14.3)	14-40	24	1.375 (34.9)	28-40
10	.625 (15.9)	14-40	28	1.625 (41.3)	32-40
12	.750 (19.1)	18-40	32	1.875 (47.6)	40

* *If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. Applies to Profile S only. See Maximum Entry Size for details.*

Strain Relief

H	Saddle Clamp
D	Nut

Saddle Clamp

Nut

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Max Entry Size" (see table on next page), then 2 inch minimum applies.

Connector Manufacturer Code

A	Universal

Compatible with all manufacturers. includes additional thread adapter(s) as necessary to fit multiple manufacturers. See following page for thread dimensions.

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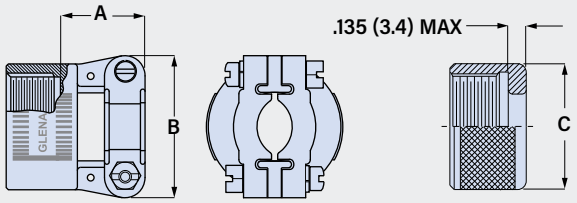
Series 37 Environmental Backshells

for AS50151 Solder Connectors

370B*002 Backshell, Environmental, Direct Coupling

STRAIN RELIEF DIMENSIONS



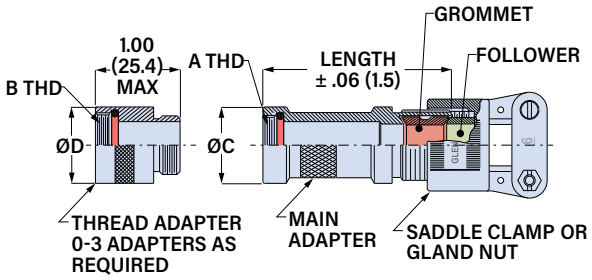
Saddle Clamp Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

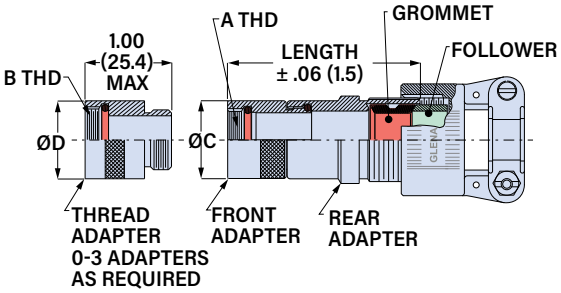
* Not applicable to Style D Nut

DIMENSIONS AND MAXIMUM ENTRY SIZE

Style 1



Style 2



Shell Size Code	Shell Size	A Class 2B	B Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm	Max Entry Size (1)
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4	04
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4	06
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6	06
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A	10
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A	10
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A	12
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3	16
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A	16
21	24	1.3750-18 UNEF	N/A	1.468	37.3	N/A	N/A	20
22	28	1.6250-18 UNEF	N/A	1.593	40.5	N/A	N/A	24
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4	28
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7	28
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1	32

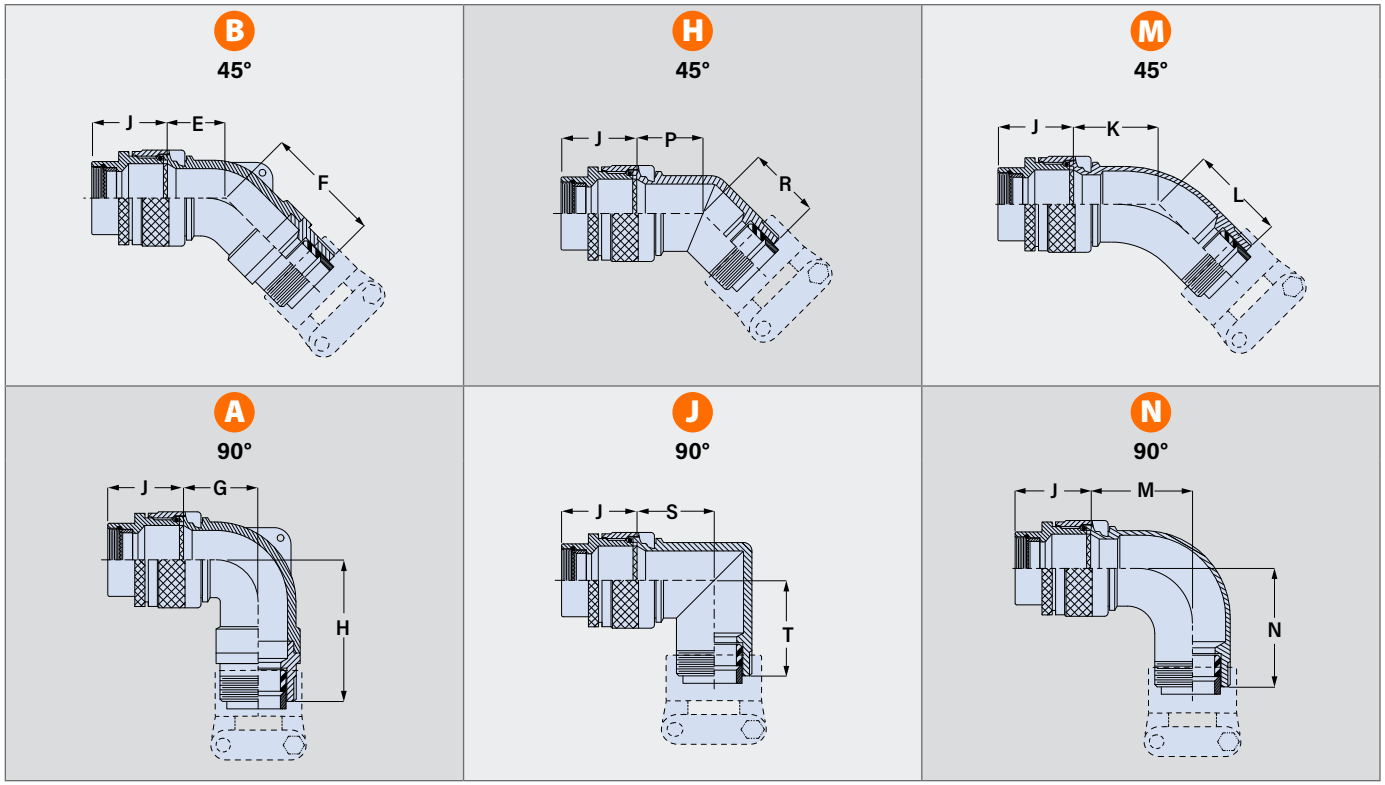
Notes

1) "**Max Entry Size**" applies only to straight profile backshells. If the selected entry size is larger than the size shown in the table, a ***Style 2*** adapter will be included. ***The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).***

Series 37 Environmental Backshells

for AS50151 Solder Connectors

370B*002 Backshell, Environmental, Direct Coupling



Cable Entry	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm
04	.567	14.4	1.399	35.5	.636	16.2	1.412	35.9	.861	21.9	1.181	30.0	1.250	31.8	1.570	39.9	.688	17.5	1.059	26.9	.870	22.1	1.239	31.5
06	.630	16.0	1.462	37.1	.710	18.0	1.532	38.9	.911	25.8	1.231	31.3	1.375	34.9	1.695	43.1	.705	17.9	1.089	27.7	.920	23.4	1.309	33.2
08	.692	17.6	1.524	38.7	.731	18.6	1.552	39.4	.965	27.0	1.285	32.6	1.500	38.1	1.820	46.2	.732	18.6	1.109	28.7	.980	24.9	1.369	34.8
10	.755	19.2	1.957	49.7	.825	21.0	1.962	49.8	1.014	29.8	1.334	33.9	1.625	41.3	1.945	49.4	.732	18.6	1.109	28.7	.980	24.9	1.369	34.8
12	.848	21.5	2.067	52.5	.988	25.1	2.052	52.1	1.064	27.0	1.384	35.2	1.750	44.5	2.070	52.6	.773	19.6	1.139	28.9	1.080	27.4	1.449	36.8
16	1.036	26.3	2.254	57.3	1.087	27.6	2.227	56.6	1.172	37.7	1.492	37.9	2.000	50.8	2.320	58.9	.823	20.6	1.209	30.7	1.200	30.5	1.599	40.6
20	1.130	28.7	2.463	62.6	1.325	33.7	2.395	60.8	1.325	33.7	1.645	41.8	2.375	60.3	2.695	68.5	1.041	26.4	1.379	34.9	1.480	37.6	1.839	46.7
24	1.255	31.9	2.503	63.6	1.337	34.0	2.548	64.7	1.325	33.7	1.645	41.8	2.375	60.3	2.695	68.5	1.092	27.7	1.419	36.0	1.610	40.9	1.929	49.0
28	1.317	33.5	2.598	66.0	1.827	46.4	2.798	71.1	1.428	36.3	1.748	44.4	2.625	66.7	2.945	74.8	1.138	28.9	1.469	37.3	1.720	43.7	2.039	51.8
32	1.348	34.2	2.813	71.5	2.027	51.5	2.818	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.184	30.1	1.509	38.3	1.830	46.5	2.149	54.6

Size Code	Shell Size	J Max in	J Max mm
05	10S	1.25	31.8
08	10SL	1.25	31.8
11	12, 12S	1.25	31.8
14	14, 14S	1.25	31.8
15	16, 16S	1.56	39.6
16	18	1.56	39.6
17	20	1.56	39.6
20	22	1.56	39.6
21	24	1.56	39.6
22	28	1.56	39.6
23	32	1.75	44.5
26	36	1.75	44.5
40	40	2.19	55.6

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Series 37 Environmental Backshells

for MIL-DTL-26482 Series I Connectors

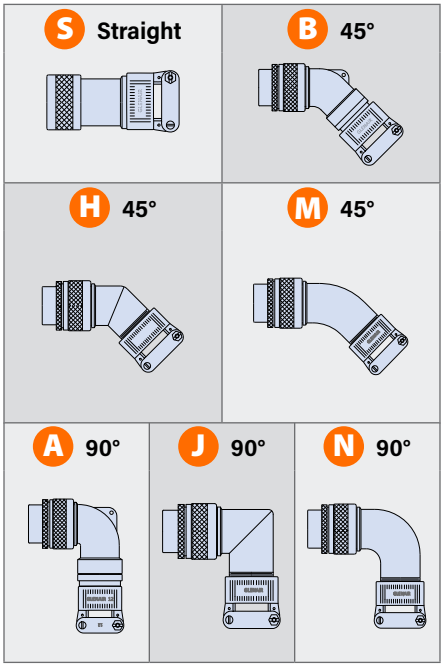
370D*002 Backshell, Environmental, Direct Coupling

Environmental. Straight, 45° or 90°. 370D*002 backshell fits MIL-DTL-26482 Series I connectors. Direct coupling, environmentally sealed with O-ring and cable grommet. For use with unshielded jacketed cable. Strain relief styles include saddle clamp or low profile nut. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-ring and grommet.

Adapter Code D

This accessory fits MIL-DTL-26482 Series I connectors

PROFILE SELECTION GUIDE



PART NUMBER

	370DS002	M	10	04	D	4

Base P/N

370DS002	S Straight
370DA002	A 90° Elbow
370DB002	B 45° Elbow
370DH002	H 45° Cut/Weld
370DJ002	J 90° Cut/Weld
370DM002	M 45° Full Radius
370DN002	N 90° Full Radius

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

08 10 12 14 16 18 20 22 24

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
04	.312 (7.9)	08-24	16	.937 (23.8)	18-24
06	.437 (11.1)	10-24	20	1.250 (31.8)	24
08	.562 (14.3)	12-24	24	1.375 (34.9)	*
10	.625 (15.9)	14-24	28	1.625 (41.3)	*
12	.750 (19.1)	16-24	32	1.875 (47.6)	*

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. Applies to Profile S only. See Maximum Entry Size for details.*

Strain Relief

H	Saddle Clamp
D	Nut

Saddle Clamp

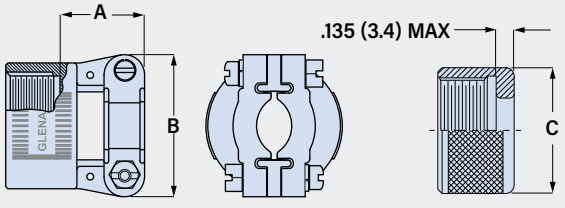
Nut

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

STRAIN RELIEF DIMENSIONS



Saddle Clamp Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

* Not applicable to Style D Nut.

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Series 37 Environmental Backshells

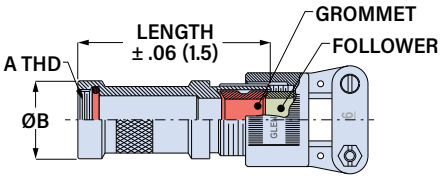
for MIL-DTL-26482 Series I Connectors

370D*002 Backshell, Environmental, Direct Coupling

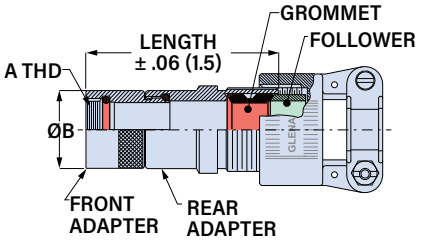
DIMENSIONS AND MAXIMUM ENTRY SIZE

Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	J Max in	J Max mm	Max Entry Size (1)
08	0.4375-28	.59	15.0	1.25	31.8	04
10	0.5625-24	.72	18.3	1.25	31.8	06
12	0.6875-24	.84	21.3	1.25	31.8	08
14	0.8125-20	.97	24.6	1.25	31.8	10
16	0.9375-20	1.09	27.7	1.56	39.6	12
18	1.0625-18	1.22	31.0	1.56	39.6	16
20	1.1875-18	1.34	34.0	1.56	39.6	16
22	1.3125-18	1.47	37.3	1.56	39.6	16
24	1.4375-18	1.59	40.4	1.56	39.6	20

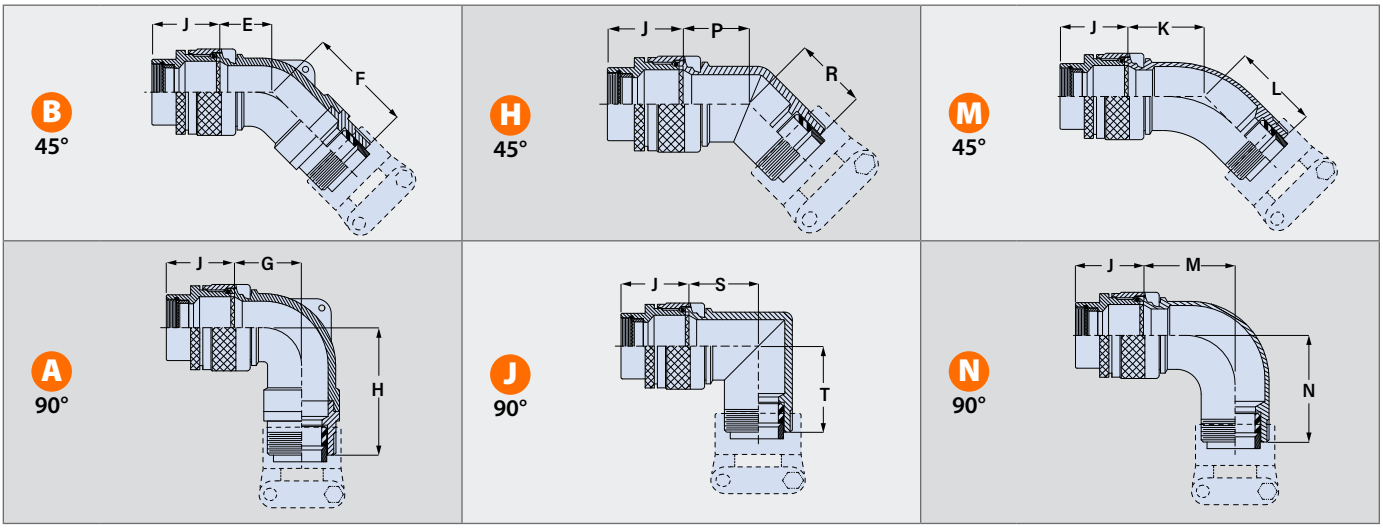
Style 1



Style 2



1) "*Max Entry Size*" applies only to straight profile backshells. If the selected entry size is larger than the size shown in the table, a *Style 2* front adapter will be included.



Cable Entry	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm
04	.567	14.4	1.399	35.5	.636	16.2	1.412	35.9	.861	21.9	1.181	30.0	1.250	31.8	1.570	39.9	.688	17.5	1.059	26.9	.870	22.1	1.239	31.5
06	.630	16.0	1.462	37.1	.710	18.0	1.532	38.9	.911	25.8	1.231	31.3	1.375	34.9	1.695	43.1	.705	17.9	1.089	27.7	.920	23.4	1.309	33.2
08	.692	17.6	1.524	38.7	.731	18.6	1.552	39.4	.965	27.0	1.285	32.6	1.500	38.1	1.820	46.2	.732	18.6	1.109	28.7	.980	24.9	1.369	34.8
10	.755	19.2	1.957	49.7	.825	21.0	1.962	49.8	1.014	29.8	1.334	33.9	1.625	41.3	1.945	49.4	.732	18.6	1.109	28.7	.980	24.9	1.369	34.8
12	.848	21.5	2.067	52.5	.988	25.1	2.052	52.1	1.064	27.0	1.384	35.2	1.750	44.5	2.070	52.6	.773	19.6	1.139	28.9	1.080	27.4	1.449	36.8
16	1.036	26.3	2.254	57.3	1.087	27.6	2.227	56.6	1.172	37.7	1.492	37.9	2.000	50.8	2.320	58.9	.823	20.6	1.209	30.7	1.200	30.5	1.599	40.6
20	1.130	28.7	2.463	62.6	1.325	33.7	2.395	60.8	1.325	33.7	1.645	41.8	2.375	60.3	2.695	68.5	1.041	26.4	1.379	34.9	1.480	37.6	1.839	46.7
24	1.255	31.9	2.503	63.6	1.337	34.0	2.548	64.7	1.325	33.7	1.645	41.8	2.375	60.3	2.695	68.5	1.092	27.7	1.419	36.0	1.610	40.9	1.929	49.0
28	1.317	33.5	2.598	66.0	1.827	46.4	2.798	71.1	1.428	36.3	1.748	44.4	2.625	66.7	2.945	74.8	1.138	28.9	1.469	37.3	1.720	43.7	2.039	51.8
32	1.348	34.2	2.813	71.5	2.027	51.5	2.818	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.184	30.1	1.509	38.3	1.830	46.5	2.149	54.6

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Series 37 Environmental Backshells

for MIL-DTL-26500 Connectors

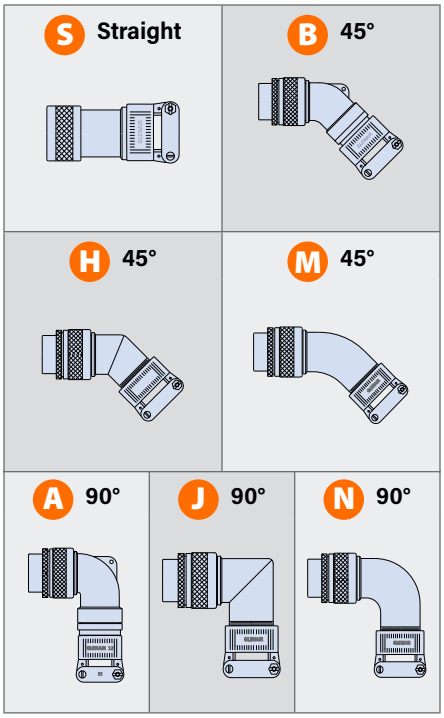
370E*002 Backshell, Environmental, Direct Coupling

Environmental. Straight, 45° or 90°. 370E*002 backshell fits MIL-DTL-26500 connectors. Direct coupling, environmentally sealed with O-ring and cable grommet. For use with unshielded jacketed cable. Strain relief styles include saddle clamp or low profile nut. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-ring and grommet.

Adapter Code E

This accessory fits MIL-DTL-26500 connectors

PROFILE SELECTION GUIDE



PART NUMBER

	370ES002	NF	18	06	D	3

Base P/N

370ES002	S Straight
370EA002	A 90° Elbow
370EB002	B 45° Elbow
370EH002	H 45° Cut/Weld
370EJ002	J 90° Cut/Weld
370EM002	M 45° Full Radius
370EN002	N 90° Full Radius

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

08 10 12 14 16 18 20 22 24

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
04	.312 (7.9)	08-24	16	.937 (23.8)	18-24
06	.437 (11.1)	10-24	20	1.250 (31.8)	24
08	.562 (14.3)	12-24	24	1.375 (34.9)	*
10	.625 (15.9)	14-24	28	1.625 (41.3)	*
12	.750 (19.1)	16-24	32	1.875 (47.6)	*

* *If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. Applies to Profile S only. See Maximum Entry Size for details.*

Strain Relief

H	Saddle Clamp
D	Nut

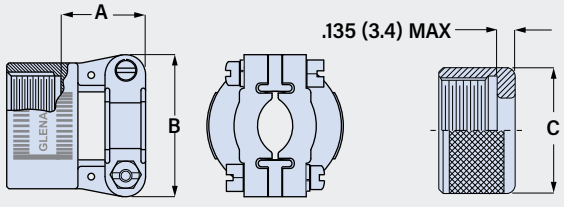
Saddle Clamp

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only.
If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

STRAIN RELIEF DIMENSIONS



Saddle Clamp Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

* Not applicable to Style D Nut.

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Series 37 Environmental Backshells

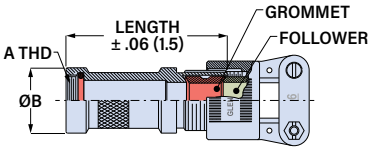
for MIL-DTL-26500 Connectors

370E*002 Backshell, Environmental, Direct Coupling

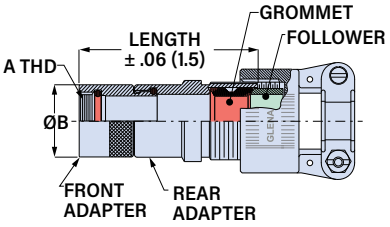
DIMENSIONS AND MAXIMUM ENTRY SIZE

Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	J Max in	J Max mm	Max Entry Size (1)
08	0.4375-28	.59	15.0	1.25	31.8	04
10	0.5625-24	.72	18.3	1.25	31.8	06
12	0.7500-24	.84	21.3	1.25	31.8	08
14	0.8125-20	.97	24.6	1.25	31.8	10
16	0.9375-20	1.09	27.7	1.56	39.6	12
18	1.0625-18	1.22	31.0	1.56	39.6	16
20	1.1875-18	1.34	34.0	1.56	39.6	16
22	1.3125-18	1.47	37.3	1.56	39.6	16
24	1.4375-18	1.59	40.4	1.56	39.6	20

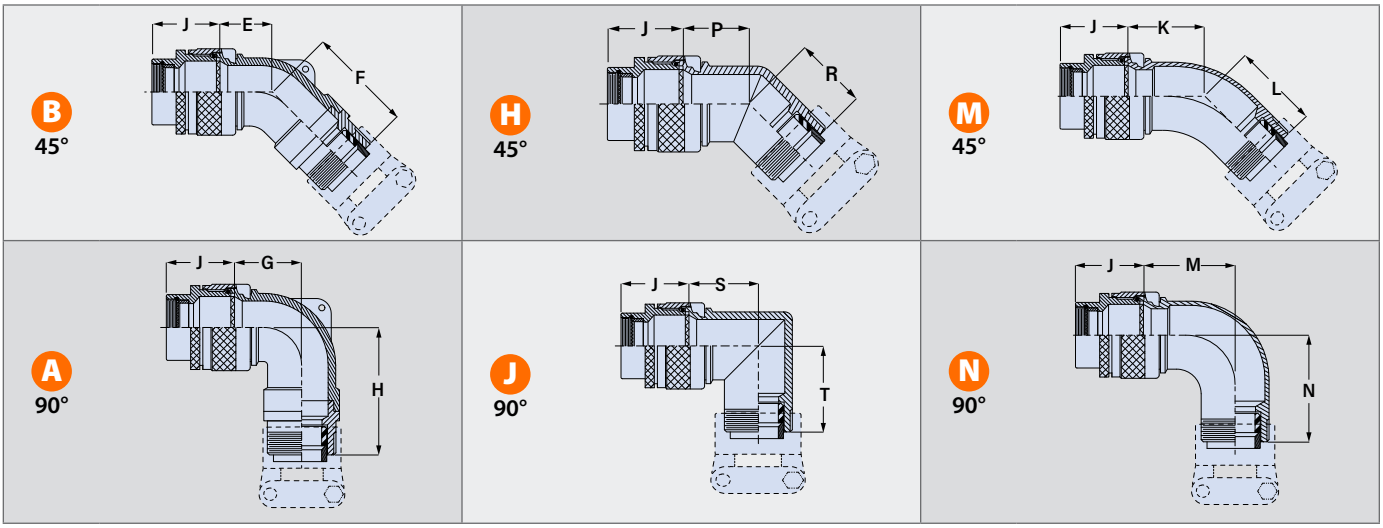
Style 1



Style 2



1) "*Max Entry Size*" applies only to straight profile backshells. If the selected entry size is larger than the size shown in the table, a *Style 2* front adapter will be included.



Entry Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm
04	.567	14.4	1.399	35.5	.636	16.2	1.412	35.9	.861	21.9	1.181	30.0	1.250	31.8	1.570	39.9	.688	17.5	1.059	26.9	.870	22.1	1.239	31.5
06	.630	16.0	1.462	37.1	.710	18.0	1.532	38.9	.911	25.8	1.231	31.3	1.375	34.9	1.695	43.1	.705	17.9	1.089	27.7	.920	23.4	1.309	33.2
08	.962	17.6	1.524	38.7	.731	18.6	1.552	39.4	.965	27.0	1.285	32.6	1.500	38.1	1.820	46.2	.732	18.6	1.109	28.7	.980	24.9	1.369	34.8
10	.755	19.2	1.957	49.7	.825	21.0	1.962	49.8	1.014	29.8	1.334	33.9	1.625	41.3	1.945	49.4	.732	18.6	1.109	28.7	.980	24.9	1.369	34.8
12	.848	21.5	2.067	52.5	.988	25.1	2.052	52.1	1.064	27.0	1.384	35.2	1.750	44.5	2.070	52.6	.773	19.6	1.139	28.9	1.080	27.4	1.449	36.8
16	1.036	26.3	2.254	57.3	1.087	27.6	2.227	56.6	1.172	37.7	1.492	37.9	2.000	50.8	2.320	58.9	.823	20.6	1.209	30.7	1.200	30.5	1.599	40.6
20	1.130	28.7	2.463	62.6	1.325	33.7	2.395	60.8	1.325	33.7	1.645	41.8	2.375	60.3	2.695	68.5	1.041	26.4	1.379	34.9	1.480	37.6	1.839	46.7
24	1.255	31.9	2.503	63.6	1.337	34.0	2.548	64.7	1.325	33.7	1.645	41.8	2.375	60.3	2.695	68.5	1.092	27.7	1.419	36.0	1.610	40.9	1.929	49.0
28	1.317	33.5	2.598	66.0	1.827	46.4	2.798	71.1	1.428	36.3	1.748	44.4	2.625	66.7	2.945	74.8	1.138	28.9	1.469	37.3	1.720	43.7	2.039	51.8
32	1.348	34.2	2.813	71.5	2.027	51.5	2.818	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.184	30.1	1.509	38.3	1.830	46.5	2.149	54.6

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Series 37 Environmental Backshells

for MIL-DTL-38999 Series I/II Connectors

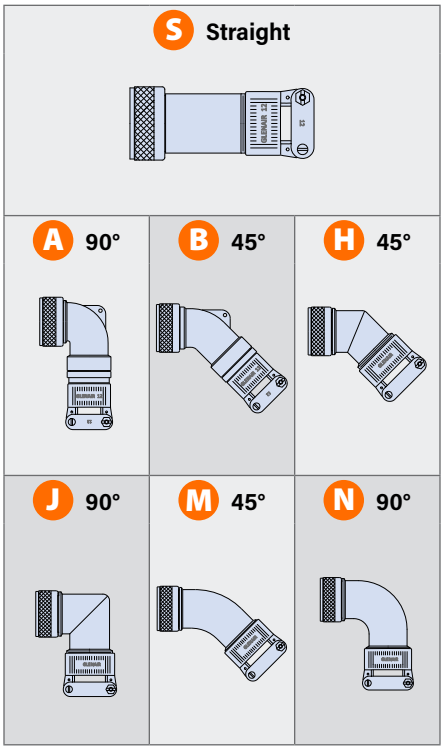
370F*001 Backshell, Environmental, Spin Coupling

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Environmental. Straight, 45° or 90°. 370F*001 backshell fits MIL-DTL-38999 Series I and II connectors. Spin coupling, environmentally sealed with O-ring and cable grommet. For use with unshielded jacketed cable. Strain relief styles include saddle clamp or low profile nut. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-ring and grommet.

PROFILE SELECTION GUIDE



PART NUMBER

370FS001	M	16	08	D	3

Base P/N

Base Part No.		Profile
370FS001	S	Straight
370FA001	A	90° Elbow
370FB001	B	45° Elbow
370FH001	H	45° Cut/Weld
370FJ001	J	90° Cut/Weld
370FM001	M	45° Full Radius
370FN001	N	90° Full Radius

Material/Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
03	.250 (7.9)	08-24	16	.937 (23.8)	20-24
04	.312 (7.9)	10-24	20	1.250 (31.8)	24
06	.437 (11.1)	12-24	24	1.375 (34.9)	-
08	.562 (14.3)	14-24	28	1.625 (41.3)	-
10	.625 (15.9)	16-24	32	1.875 (47.6)	-
12	.750 (19.1)	18-24			

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Strain Relief

H	Saddle Clamp
D	Nut

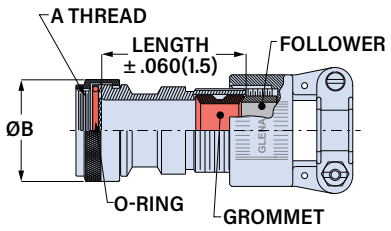
Saddle Clamp

Nut

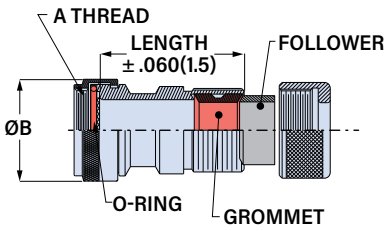
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only.
If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



Saddle Clamp



Nut

Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.650	16.5
10/11	0.5625-24	.770	19.6
12/13	0.6875-24	.890	22.6
14/15	0.812W5-20	1.020	25.9
16/17	0.9375-20	1.150	29.2
18/19	1.0625-18	1.230	31.2
20/21	1.1875-18	1.360	34.5
22/23	1.3125-18	1.480	37.6
24/25	1.4375-18	1.730	43.9

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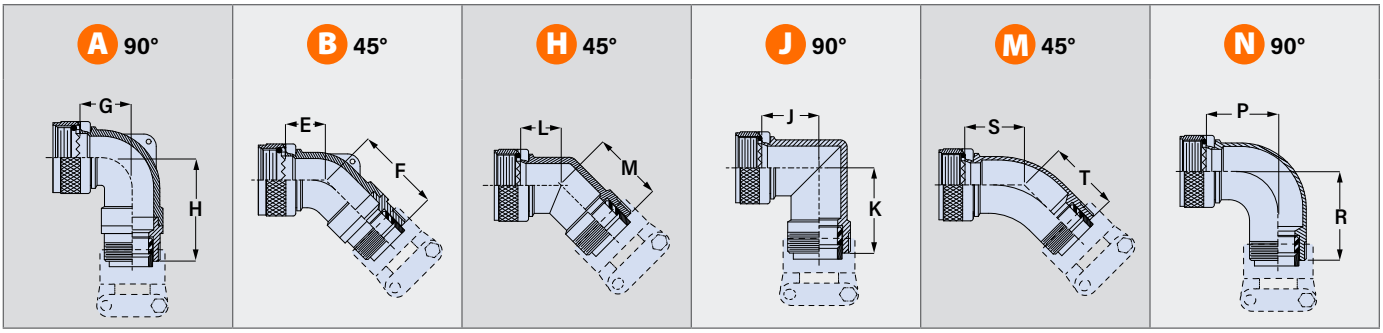
Series 37 Environmental Backshells

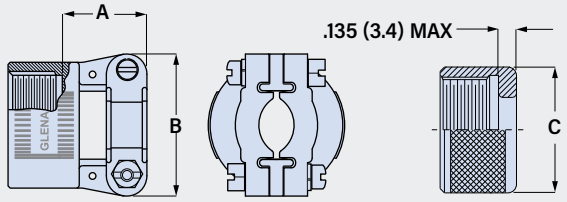
for MIL-DTL-38999 Series I/II Connectors

370F*001 Backshell, Environmental, Spin Coupling



Shell Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm
8/9	.457	11.6	1.622	41.2	.500	12.7	1.632	41.5	.834	21.2	1.144	29.1	.726	18.5	1.036	26.3	1.125	28.6	1.445	36.7	.817	20.8	1.127	28.6
10/11	.520	13.2	1.682	42.7	.595	15.1	1.752	44.5	.898	22.8	1.209	30.7	.753	19.1	1.062	27.0	1.250	31.8	1.570	39.9	.861	21.9	1.181	30.0
12/13	.582	14.8	1.742	44.2	.610	15.5	1.772	45.0	.956	24.3	1.266	32.1	.777	19.7	1.087	27.6	1.375	34.9	1.695	43.1	.911	23.1	1.231	31.3
14/15	.645	16.4	2.062	52.4	.700	17.8	2.072	52.6	1.018	25.9	1.328	33.7	.802	20.4	1.113	28.3	1.500	38.1	1.820	46.2	.965	24.5	1.285	32.6
16/17	.738	18.7	2.172	55.2	.885	22.5	2.162	54.9	1.081	27.4	1.391	35.3	.828	21.0	1.138	28.9	1.625	41.3	1.945	49.4	1.014	25.8	1.334	33.9
18/19	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.125	28.6	1.435	36.4	.847	21.5	1.157	29.4	1.750	44.5	2.070	52.6	1.064	27.0	1.384	35.2
20/21	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.188	30.2	1.498	38.0	.873	22.2	1.183	30.0	1.875	47.6	2.195	55.8	1.118	28.4	1.438	36.5
22/23	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.250	31.8	1.560	39.6	.898	22.8	1.208	30.7	2.000	50.8	2.320	58.9	1.172	29.8	1.492	37.9
24/25	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.312	33.3	1.623	41.2	.942	23.5	1.234	31.4	2.125	54.0	2.445	62.1	1.221	31.0	1.541	39.1

STRAIN RELIEF DIMENSIONS



Saddle Clamp

Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

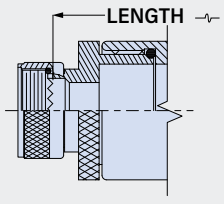
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

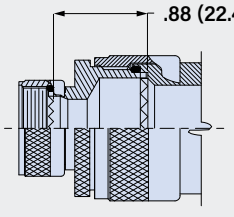
Shell Size	Maximum Entry Size
8/9	03
10/11	04
12/13	06
14/15	08
16/17	10
18/19	12
20/21	12
22/23	16
24/25	20

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Series 37 Environmental Backshells

for MIL-DTL-38999 Series III/IV Connectors

370H*001 Backshell, Environmental, Spin Coupling

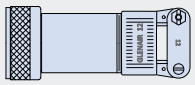
Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

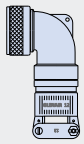
Environmental. Straight, 45° or 90°. 370H*001 backshell fits MIL-DTL-38999 Series III and IV connectors. Spin coupling, environmentally sealed with O-ring and cable grommet. For use with unshielded jacketed cable. Strain relief styles include saddle clamp or low profile nut. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-ring and grommet.

PROFILE SELECTION GUIDE

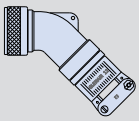
S Straight



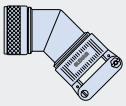
A 90°



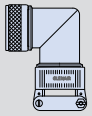
B 45°



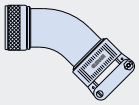
H 45°



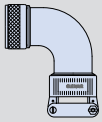
J 90°



M 45°



N 90°



PART NUMBER

	370HS001	M	13	06	H	4

Base P/N

Base Part No.		Profile
370HS001	S	Straight
370HA001	A	90° Elbow
370HB001	B	45° Elbow
370HH001	H	45° Cut/Weld
370HJ001	J	90° Cut/Weld
370HM001	M	45° Full Radius
370HN001	N	90° Full Radius

Material/ Finish

C	Alum/ Black Anodize
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
03	.250 (7.9)	09-25	16	.937 (23.8)	21-25
04	.312 (7.9)	11-25	20	1.250 (31.8)	25
06	.437 (11.1)	13-25	24	1.375 (34.9)	-
08	.562 (14.3)	15-25	28	1.625 (41.3)	-
10	.625 (15.9)	15-25	32	1.875 (47.6)	-
12	.750 (19.1)	17-25			

* *If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Strain Relief

H	Saddle Clamp
D	Nut

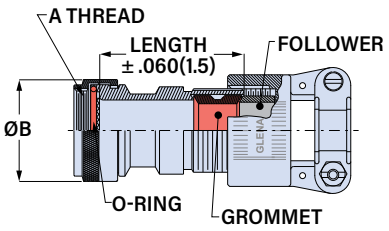
Saddle Clamp

Nut

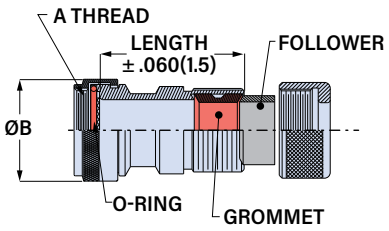
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

*Applies to Profile **S** only.*
If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



Saddle Clamp



Nut

Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.770	19.6
11 (B)	M15X1.0-6H	.840	21.3
13 (C)	M18X1.0-6H	.960	24.4
15 (D)	M22X1.0-6H	1.090	27.7
17 (E)	M25X1.0-6H	1.230	31.2
19 (F)	M28X1.0-6H	1.360	34.5
21 (G)	M31X1.0-6H	1.480	37.6
23 (H)	M34X1.0-6H	1.600	40.6
25 (J)	M37X1.0-6H	1.720	43.7

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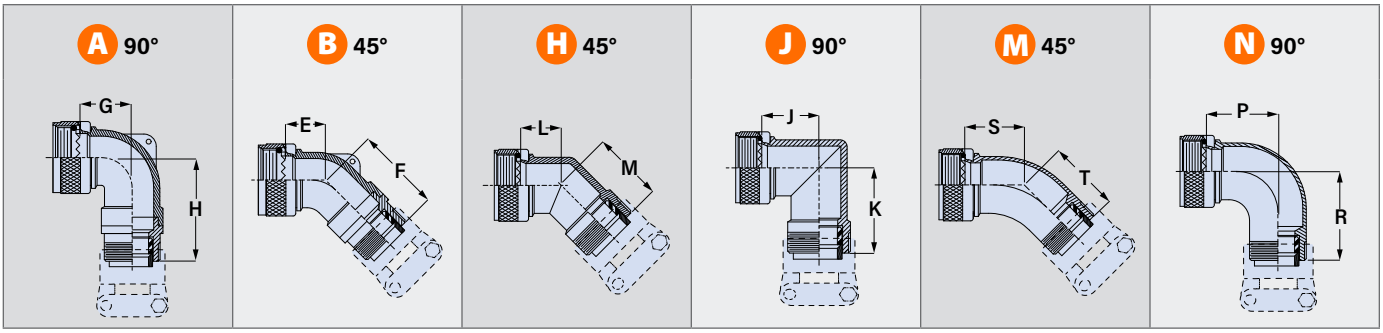
Series 37 Environmental Backshells

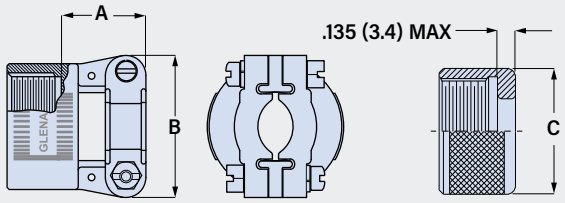
for MIL-DTL-38999 Series III/IV Connectors

370H*001 Backshell, Environmental, Spin Coupling



Shell Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm
9 (A)	.457	11.6	1.622	41.2	.500	12.7	1.632	41.5	.834	21.2	1.144	29.1	.726	18.5	1.036	26.3	1.125	28.6	1.445	36.7	.817	20.8	1.127	28.6
11 (B)	.520	13.2	1.682	42.7	.595	15.1	1.752	44.5	.898	22.8	1.209	30.7	.753	19.1	1.062	27.0	1.250	31.8	1.570	39.9	.861	21.9	1.181	30.0
13 (C)	.582	14.8	1.742	44.2	.610	15.5	1.772	45.0	.956	24.3	1.266	32.1	.777	19.7	1.087	27.6	1.375	34.9	1.695	43.1	.911	23.1	1.231	31.3
15 (D)	.645	16.4	2.062	52.4	.700	17.8	2.072	52.6	1.018	25.9	1.328	33.7	.802	20.4	1.113	28.3	1.500	38.1	1.820	46.2	.965	24.5	1.285	32.6
17 (E)	.738	18.7	2.172	55.2	.885	22.5	2.162	54.9	1.081	27.4	1.391	35.3	.828	21.0	1.138	28.9	1.625	41.3	1.945	49.4	1.014	25.8	1.334	33.9
19 (F)	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.125	28.6	1.435	36.4	.847	21.5	1.157	29.4	1.750	44.5	2.070	52.6	1.064	27.0	1.384	35.2
21 (G)	.926	23.5	2.362	60.0	.975	24.8	2.332	59.2	1.188	30.2	1.498	38.0	.873	22.2	1.183	30.0	1.875	47.6	2.195	55.8	1.118	28.4	1.438	36.5
23 (H)	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.250	31.8	1.560	39.6	.898	22.8	1.208	30.7	2.000	50.8	2.320	58.9	1.172	29.8	1.492	37.9
25 (J)	1.020	25.9	2.512	63.8	1.125	28.6	2.442	62.0	1.312	33.3	1.623	41.2	.942	23.5	1.234	31.4	2.125	54.0	2.445	62.1	1.221	31.0	1.541	39.1

STRAIN RELIEF DIMENSIONS



Saddle Clamp Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

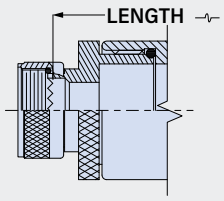
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

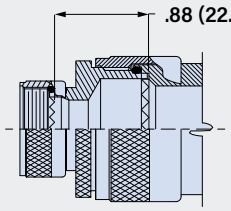
Shell Size	Maximum Entry Size
9 (A)	03
11 (B)	04
13 (C)	06
15 (D)	10
17 (E)	12
19 (F)	12
21 (G)	16
23 (H)	16
25 (J)	20

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Series 37 Environmental Backshells

for MIL-DTL-28840 Connectors

370G*007 Backshell, Environmental, Spin Coupling

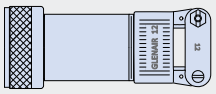
Adapter Code G

This accessory fits MIL-DTL-28840 and Glenair Series 901 Connectors

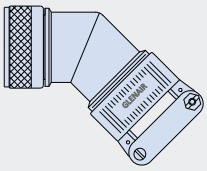
Submersible. Straight, 45° or 90°. 370G*007 backshell fits MIL-DTL-28840 connectors. Spin coupling, environmentally sealed with cable grommet. When tightened onto connector, adapter body compresses connector rear grommet for watertight seal. For use with unshielded jacketed cable. Strain relief styles include saddle clamp or low profile nut. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone grommet.

PROFILE SELECTION GUIDE

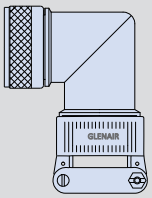
S Straight



H 45°



J 90°



PART NUMBER

	370GS007	ZU	17	08	D	3

Base P/N

Base Part No.		Profile
370GS007	S	Straight
370GH007	H	45° Cut/Weld
370GJ007	J	90° Cut/Weld

Material/ Finish

M	Alum/Electroless Nickel
NF	Alum/Cadmium, Olive Drab
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated
ZU	SST/Cadmium, Black
ZTZ	SST/Tin-Zinc

Shell Size

Shell Size	11	13	15	17	19	23	25	29	33
	A	B	C	D	E	F	G	H	J
Size Code	11	13	15	17	19	23	25	29	33

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
04	.312 (7.9)	11-33	16	.937 (23.8)	23-33
06	.437 (11.1)	13-33	20	1.250 (31.8)	29-33
08	.562 (14.3)	15-33	24	1.375 (34.9)	29-33
10	.625 (15.9)	15-33	28	1.625 (41.3)	33
12	.750 (19.1)	19-33	32	1.875 (47.6)	-

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included. See **Maximum Entry Size** for details.*

Strain Relief

H	Saddle Clamp
D	Nut

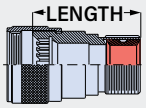
Saddle Clamp

Nut

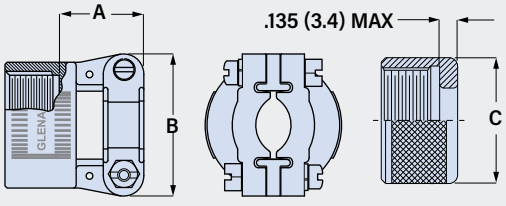
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



STRAIN RELIEF DIMENSIONS



Saddle Clamp Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

* Not applicable to Style D Nut.

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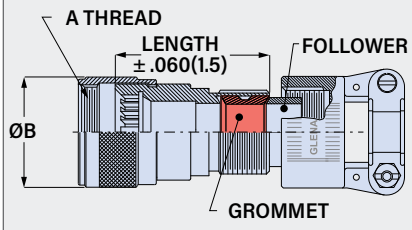
Series 37 Environmental Backshells

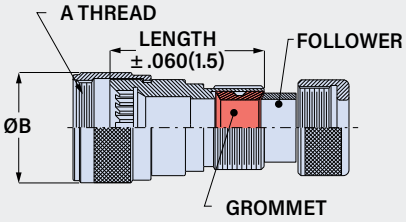
for MIL-DTL-28840 Connectors

370G*007 Backshell, Environmental, Spin Coupling

S Straight

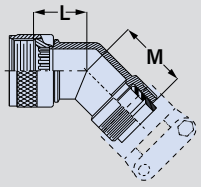


Saddle Clamp

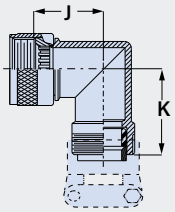


Nut

H 45°



J 90°



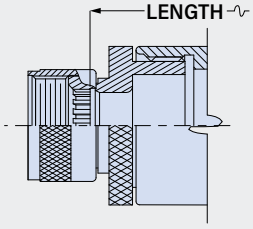
Size Code	Shell Size	A Thread Class 2B	øB Max in	øB Max mm	L Max in	L Max mm	M Max in	M Max mm	J Max in	J Max mm	K Max in	K Max mm
11	A (11)	.750-20 UNEF	.94	23.9	1.24	31.5	1.05	26.7	1.38	35.1	1.19	30.2
13	B (13)	.875-20 UNEF	1.02	25.9	1.26	32.0	1.07	27.2	1.44	36.6	1.25	31.8
15	C (15)	1.000-20 UNEF	1.21	30.7	1.29	32.8	1.10	27.9	1.50	38.1	1.32	33.5
17	D (17)	1.125-18 UNEF	1.36	34.5	1.31	33.3	1.12	28.4	1.57	39.9	1.38	35.1
19	E (19)	1.250-18 UNEF	1.53	38.9	1.34	34.0	1.15	29.2	1.63	41.4	1.46	37.1
23	F (23)	1.438-18 UNEF	1.73	43.9	1.38	35.1	1.19	30.2	1.73	43.9	1.54	39.1
25	G (25)	1.562-18 UNEF	1.82	46.2	1.41	35.8	1.22	31.0	1.80	45.7	1.61	40.9
29	H (29)	1.875-16 UN	2.19	55.6	1.58	40.1	1.39	35.3	2.04	51.8	1.85	47.0
33	J (33)	2.062-16 UNS	2.44	62.0	1.62	41.1	1.43	36.3	2.13	54.1	1.94	49.3

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

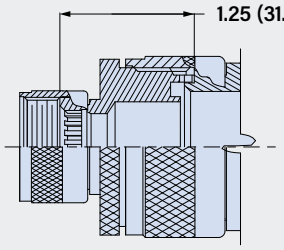
Shell Size	Maximum Entry Size
A (11)	04
B (13)	06
C (15)	10
D (17)	10
E (19)	12
F (23)	16
G (25)	16
H (29)	24
J (33)	28

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.25 inches.

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Series 37 Environmental Backshells

for Series 80 Mighty Mouse Connectors

370MS037 Backshell, Environmental, Direct Coupling

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Environmental. Low profile. Direct coupling. 370MS037 backshell fits Glenair Series 80 Mighty Mouse connectors. Environmentally sealed with O-rings. For use with unshielded cable. Strain relief styles include full radius saddle clamp or low profile nut. Saddle clamp has stainless steel screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings.

APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully bottomed onto the frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp. See E dimension in Table 2 for the diameter of the fully bottomed saddles.

PART NUMBER

	370MS037	M	05	02	-6

Base P/N	**370MS037** Straight
Material/Finish	**C** Alum/Black Anodize **M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated
Shell Size Code *(See Table 1)*	**05 06 07 08 09 10 11 12 13 14 16 17**
Entry Size *(See Table 2)*	**01 02 03 04 05 06 07 08 09 10 11 12 13**
Length	Length Code / Length: **5** .63 (16.0), **6** .75 (19.1), **8** 1.00 (25.4), **10** 1.25 (31.8), **12** 1.50 (38.1), **16** 2.00 (50.8). *Length in 1/8 inch increments.*
Strain Relief	*Omit for saddle clamp* **N** Nut

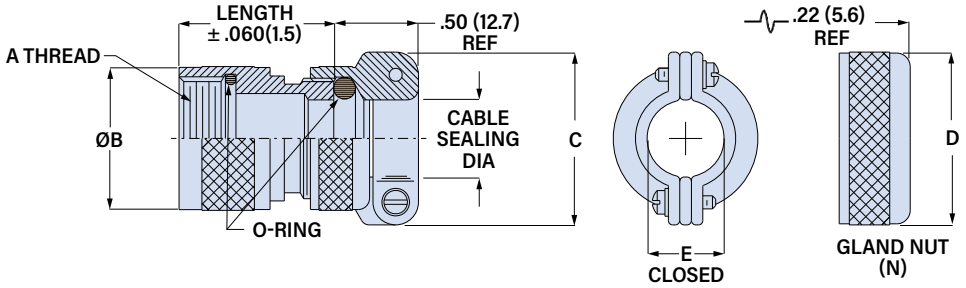

TABLE 1: SHELL SIZE

Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max in	øB Max mm
05	5	N/A	0.250-32	.350	8.9
06	6	N/A	0.3125-32	.415	10.5
11	N/A	8	0.3750-32	.465	11.8
07	7	9	0.4375-28	.530	13.5
08	8	10	0.500-28	.595	15.1
09	9	11	0.5625-24	.650	16.5
10	10	12	0.625-24	.715	18.2
12	11, 12, 13	13	0.6875-24	.785	19.9
13	N/A	15	0.750-20	.830	21.1
14	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9
16	19	21	1.0625-18	1.155	29.3
17	21	23	1.1875-18	1.280	32.5

TABLE 2: ENTRY SIZE

Entry Size	Cable Sealing Dia. Min in	Min mm	Max in	Max mm	C ± .015 (0.4) in	C ± .015 (0.4) mm	øD ± .015 (0.4) in	øD ± .015 (0.4) mm	øE Closed in	øE Closed mm
01	.031	0.8	.109	2.8	.496	12.6	.398	10.1	.11	2.8
02	.078	2.0	.172	4.4	.582	14.8	.460	11.7	.17	4.3
03	.140	3.6	.234	5.9	.656	16.7	.523	13.3	.23	5.8
04	.203	5.2	.297	7.5	.726	18.4	.585	14.9	.30	7.6
05	.265	6.7	.359	9.1	.885	22.5	.647	16.4	.36	9.1
06	.328	8.3	.422	10.7	.952	24.2	.710	18.0	.42	10.7
07	.390	9.9	.484	12.3	1.018	25.9	.773	19.6	.48	12.2
08	.453	11.5	.547	13.9	1.084	27.5	.835	21.2	.55	14.0
09	.515	13.1	.609	15.5	1.148	29.2	.897	22.8	.61	15.5
10	.578	14.7	.672	17.1	1.211	30.8	.959	24.4	.67	17.0
11	.640	16.3	.734	18.6	1.273	32.3	1.021	25.9	.73	18.5
12	.765	19.4	.859	21.8	1.400	35.6	1.083	27.5	.86	21.8
13	.906	23.0	1.000	25.4	1.539	39.1	1.145	29.1	.99	25.1

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Series 37 Environmental Backshells

for Series 80 Mighty Mouse Connectors

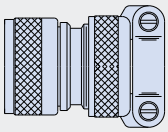
370M*038 Backshell, Environmental, Spin Coupling

Adapter Code M

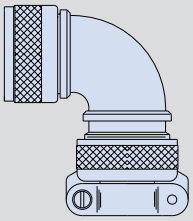
This accessory fits Series 80 Mighty Mouse Connectors

PROFILE SELECTION GUIDE

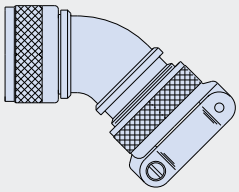
S Straight



A 90°



B 45°



APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully bottomed onto the frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp.

Environmental. Low profile. Straight, 45°, and 90°. 370M*038 backshell fits Glenair Series 80 Mighty Mouse connectors. Environmentally sealed with O-rings. For use with unshielded cable. Strain relief styles include full radius saddle clamp or low profile nut. Saddle clamp has stainless steel screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings.

PART NUMBER

370MS038	MT	13	08	-8

Base P/N

Base Part No.	Profile
370MS038	S Straight
370MB038	B 45°
370MA038	A 90°

Material/Finish

C	Alum/Black Anodize
M	Alum/Electroless Nickel
MT	Alum/Nickel-PTFE
NF	Alum/Olive Drab Cadmium
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated

Shell Size

Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B
05	5	N/A	0.250-32
06	6	N/A	0.3125-32
11	N/A	8	0.3750-32
07	7	9	0.4375-28
08	8	10	0.500-28
09	9	11	0.5625-24
10	10	12	0.625-24
12	11, 12, 13	13	0.6875-24
13	N/A	15	0.750-20
14	14, 15, 16, 17	18, 19	0.9375-20
16	19	21	1.0625-18
17	21	23	1.1875-18

Entry Size

Entry Size	Cable Dia. Min	Cable Dia. Max	Entry Size	Cable Dia. Min	Cable Dia. Max
01	.031	.109	08	.453	.547
02	.078	.172	09	.515	.609
03	.140	.234	10	.578	.672
04	.203	.297	11	.640	.734
05	.265	.359	12	.765	.859
06	.328	.422	13	.906	1.000
07	.390	.484			

Length

Length Code	Length	Length Code	Length
5	.63 (16.0)	10	1.25 (31.8)
6	.75 (19.1)	12	1.50 (38.1)
8	1.00 (25.4)	16	2.00 (50.8)

Length applies to Profile S (straight) only. in 1/8 inch increments.

Strain Relief

Omit for saddle clamp

N Nut

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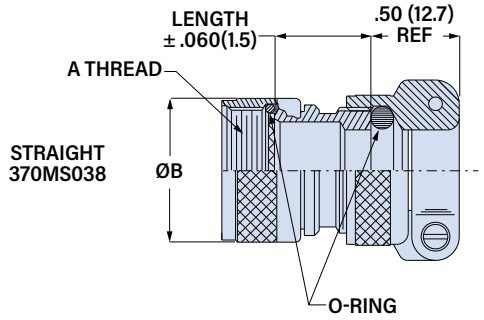
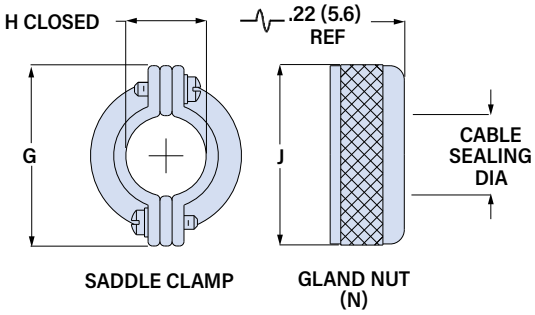
Series 37 Environmental Backshells

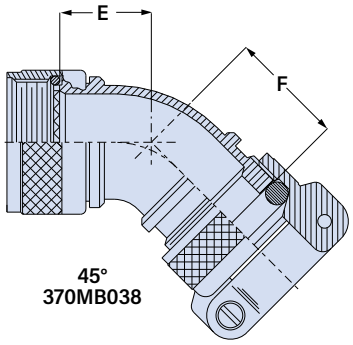
for Series 80 Mighty Mouse Connectors

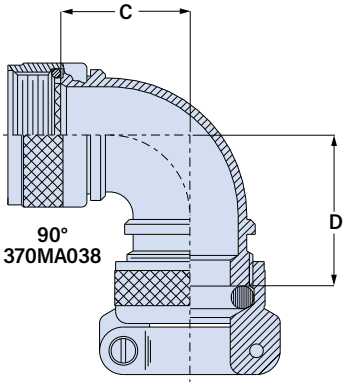
370M*038 Backshell, Environmental, Spin Coupling



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max in	øB Max mm
05	5	N/A	0.250-32	.470	11.9
06	6	N/A	0.3125-32	.530	13.5
11	N/A	8	0.3750-32	.570	14.5
07	7	9	0.4375-28	.637	16.2
08	8	10	0.500-28	.700	17.8
09	9	11	0.5625-24	.758	19.3
10	10	12	0.625-24	.819	20.8
12	11, 12, 13	13	0.6875-24	.896	22.8
13	N/A	15	0.750-20	.930	23.6
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9
16	19	21	1.0625-18	1.230	31.2
17	21	23	1.1875-18	1.387	35.2







Entry Size	Cable Sealing Dia. Min in	Cable Sealing Dia. Min mm	Cable Sealing Dia. Max in	Cable Sealing Dia. Max mm	C Max in	C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Typ. ± .015 (0.4) in	G Typ. ± .015 (0.4) mm	øH Closed ± .03 (0.8) in	øH Closed ± .03 (0.8) mm	øJ ± .015 (0.4) in	øJ ± .015 (0.4) mm
01	.031	0.8	.109	2.8	.724	18.4	.702	17.8	.603	15.3	.581	14.8	.496	12.6	.11	2.8	.398	10.1
02	.078	2.0	.172	4.4	.724	18.4	.702	17.8	.603	15.3	.581	14.8	.582	14.8	.17	4.3	.460	11.7
03	.140	3.6	.234	5.9	.724	18.4	.702	17.8	.603	15.3	.581	14.8	.656	16.7	.23	5.8	.523	13.3
04	.203	5.2	.297	7.5	.786	20.0	.764	19.4	.629	16.0	.607	15.4	.726	18.4	.30	7.6	.585	14.9
05	.265	6.7	.359	9.1	.786	20.0	.764	19.4	.629	16.0	.607	15.4	.885	22.5	.36	9.1	.647	16.4
06	.328	8.3	.422	10.7	.848	21.5	.826	21.0	.655	16.6	.633	16.1	.952	24.2	.42	10.7	.710	18.0
07	.390	9.9	.484	12.3	.848	21.5	.826	21.0	.655	16.6	.633	16.1	1.018	25.9	.48	12.2	.773	19.6
08	.453	11.5	.547	13.9	.911	23.1	.889	22.6	.707	18.0	.685	17.4	1.084	27.5	.55	14.0	.835	21.2
09	.515	13.1	.609	15.5	.911	23.1	.889	22.6	.707	18.0	.685	17.4	1.148	29.2	.61	15.5	.897	22.8
10	.578	14.7	.672	17.1	.973	24.7	.951	24.2	.733	18.6	.711	18.1	1.211	30.8	.67	17.0	.959	24.4
11	.640	16.3	.734	18.6	.973	24.7	.951	24.2	.733	18.6	.711	18.1	1.273	32.3	.73	18.5	1.021	25.9
12	.765	19.4	.859	21.8	1.036	26.3	1.014	25.8	.785	19.9	.763	19.4	1.400	35.6	.86	21.8	1.083	27.5
13	.906	23.0	1.000	25.4	1.098	27.9	1.076	27.3	.811	20.6	.789	20.0	1.539	39.1	.99	25.1	1.145	29.1

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Series 37 Environmental Backshells

for Series 970 PowerTrip® Connectors

370P*024 Backshell, Environmental, Spin Coupling

Self-Locking

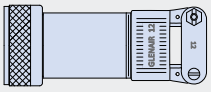
Adapter Code P

This accessory fits Glenair Series 970 PowerTrip Connectors

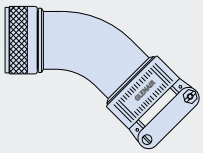
Submersible. Straight, 45° or 90°. 370P*024 backshell fits Glenair Series 970 PowerTrip connectors. Spin coupling, environmentally sealed. For use with unshielded jacketed cable. Strain relief styles include saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Available in aluminum or stainless steel.

PROFILE SELECTION GUIDE

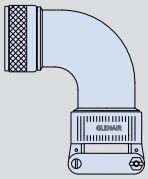
S Straight



M 45°



N 90°



PART NUMBER

	370PS024	ME	20	06	H	4

Base P/N

Base Part No.	Profile
370PS024	S Straight
370PM024	M 45° Full Radius
370PN024	N 90° Full Radius

Material/Finish

C	Alum/ Black Anodize
ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

18 20 24 28 32 36 40

Entry Size

Entry Size	Max Cable Dia.	Shell Size*	Entry Size	Max Cable Dia.	Shell Size*
04	.312 (7.9)	18-40	16	.937 (23.8)	24-40
06	.437 (11.1)	18-40	20	1.250 (31.8)	28-40
08	.562 (14.3)	18-40	24	1.375 (34.9)	32-40
10	.625 (15.9)	18-40	28	1.625 (41.3)	36-40
12	.750 (19.1)	20-40	32	1.875 (47.6)	40

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See Maximum Entry Size for details.*

Strain Relief

H	Saddle Clamp
D	Nut

Saddle Clamp

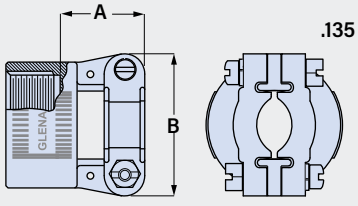
Nut

Length

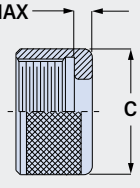
Length	inches (mm)	Shell Sizes
6	3 (76)	18, 20
8	4 (102)	18-40
10	5 (127)	18-40
12	6 (152)	18-40

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 5 inch minimum applies.

STRAIN RELIEF DIMENSIONS



Saddle Clamp



Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

* Not applicable to Style D Nut.

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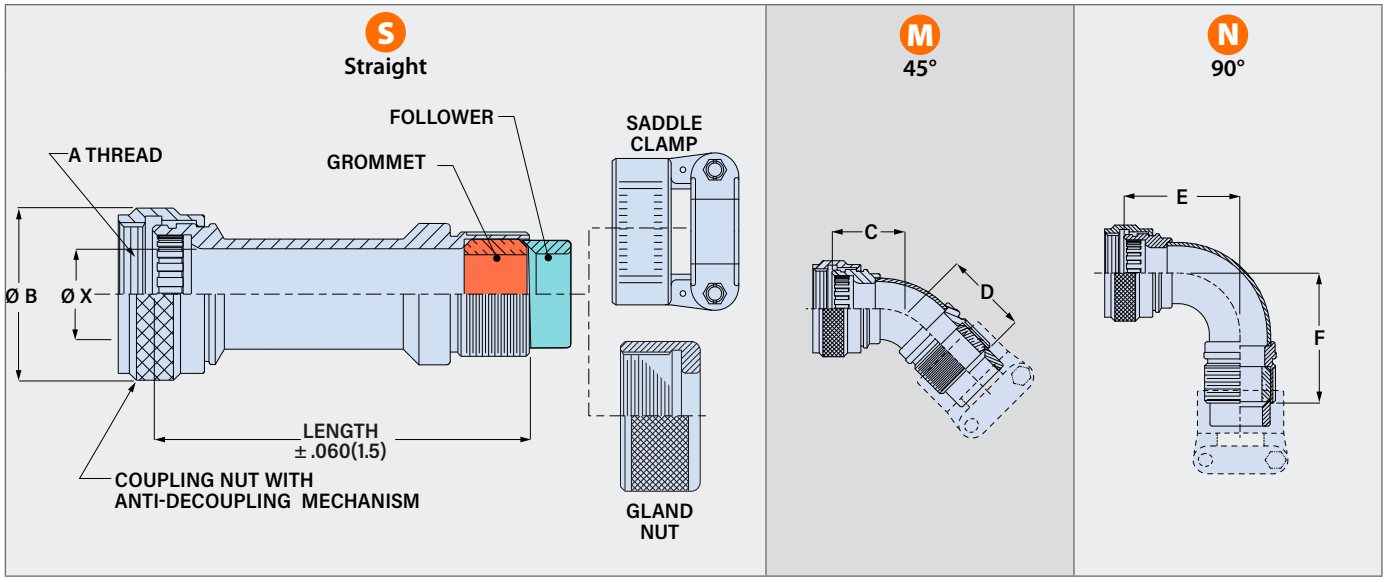
Series 37 Environmental Backshells

for Series 970 PowerTrip® Connectors

370P*024 Backshell, Environmental, Spin Coupling

DIMENSIONS



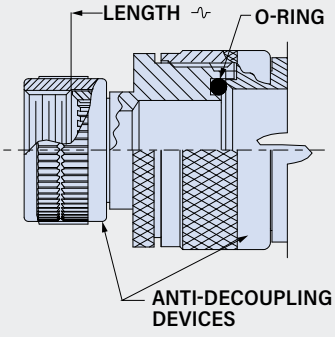
Shell Size	A Thread	ø B Max in	ø B Max mm	C Max in	C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	ø X Min in	ø X Min mm	Max Entry Size
18	1.125-18 UNEF-2B	1.39	35.3	1.250	31.8	2.468	62.7	1.906	48.4	1.812	46.0	.724	18.4	10
20	1.250-18 UNEF-2B	1.53	38.9	1.312	33.3	2.657	67.5	2.031	51.6	1.938	49.2	.858	21.8	12
24	1.4375-18 UNEF-2B	1.72	43.7	1.46	35.7	3.063	77.8	2.281	57.9	2.188	55.6	1.043	26.5	16
28	1.8125-16 UN-2B	2.13	54.1	1.500	38.1	3.656	92.9	2.531	64.3	2.625	66.7	1.353	34.4	20
32	2.0625-16 UNS-2B	2.35	59.7	1.675	42.5	3.845	97.7	2.625	66.7	2.895	73.5	1.620	41.2	24
36	2.250-16 UN-2B	2.59	65.8	1.799	45.7	4.230	107.4	2.875	73.0	3.145	79.9	1.823	46.3	28
40	2.500-16 UN-2B	2.87	70.6	1.861	47.3	4.459	113.3	3.025	76.8	3.295	83.7	2.050	52.1	32

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

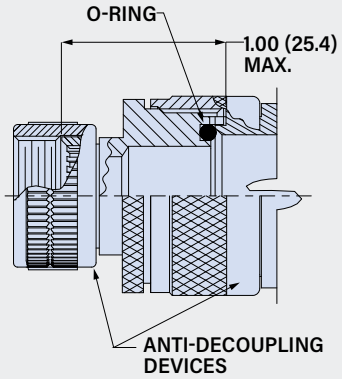
Shell Size	Maximum Entry Size
18	10
20	12
24	16
28	20
32	24
36	28
40	32

Style 2 Straight Backshell



Profile S straight backshell minimum length code is 10 (5 inches).

Style 2 45° and 90° Backshells



For Profile M and N 45° and 90° backshells, the length increases by 1 inch.

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- MASSIVE SAME-DAY INVENTORY

ARMORLITE™

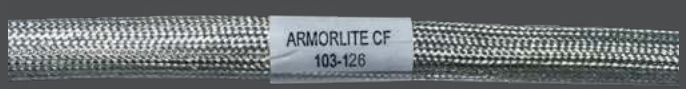
Microfilament nickel-clad expandable stainless steel EMI/RFI braided shielding

Save weight and total cost-of-ownership every time you fly! All-Up-Weight (AUW) has met its match: ArmorLite™ microfilament stainless steel braid saves significant weight compared to standard QQ-B-575/A-A-59569 EMI/RFI shielding, as well as competitor solutions such as 44 AWG NiCu. By way of comparison, 100 feet of 5/8 inch ArmorLite™ is more than four pounds lighter than standard shielding.

ArmorLite™ is an expandable, flexible, high-strength, conductive stainless steel microfilament braid material designed for use as EMI/RFI shielding in high-performance wire interconnect systems. ArmorLite™ is packaged in a wide range of formats including bulk expandable shielding, mesh tape, turnkey backshell shield sock assemblies, factory overbraiding, ground straps, HSTs, and more. ArmorLite™ offers superior temperature tolerance compared to other lightweight tubular braided shielding including microfilament composite technologies. New ArmorLite™ CF offers advanced corrosion protection compared to all other shielding types with comparable electrical performance due to its innovative combination of conductive copper filament and stainless steel cladding.

ArmorLite™

ArmorLite™ 75% / 25% blend



New enhanced corrosion resistance ArmorLite™ CF

- **Ultra-lightweight EMI/RFI braided sleeving for high-temperature applications -80°C to +260°C**
- **Microfilament stainless steel: *70% lighter* than NiCu A-A-59569/QQB575**
- **Outstanding EMI/RFI shielding and conductivity**
- **ArmorLite™ CF with enhanced corrosion protection now available**
- **Superior flexibility and "windowing" resistance: 90 to 95% optical coverage**
- **70,000 psi (min.) tensile strength**
- **Best performing metallic braid during lightning tests (IAW ANSI/EIA-364-75-1997 Waveform 5B)**

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Series 38 EMI Backshells

Selection Guide

Series 38 EMI Backshells

Series 38 EMI backshells protect electrical wiring harnesses from electromagnetic interference. For use with shielded cable. Non-environmental. Heavy duty Type H saddle clamp has telescoping screws and die cast saddles. Two grounding rings provide low resistance termination of braided overall and individual shields.

Adapter Code A
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

EMI Backshell, Spin Coupling
380A*103
Page 38-2

EMI Backshell, Self-Locking
380A*105
Page 38-4

EMI Backshell, Composite, Self-Locking
380A*099
Page 38-6

Adapter Code B
AS50151 Solder

EMI Backshell, Direct Coupling
380B*002
Page 38-7

Adapter Code D
MIL-DTL-26482 Series I

EMI Backshell, Direct Coupling
380D*002
Page 38-9

Adapter Code F
MIL-DTL-38999 Series I and II

EMI Backshell, Spin Coupling
380F*103
Page 38-10

EMI Backshell, Self-Locking
380F*105
Page 38-12

EMI Backshell, Composite, Self-Locking
380F*099
Page 38-14

Adapter Code G
MIL-DTL-28840

EMI Backshell, Spin Coupling
380G*011
Page 38-15

Adapter Code H
MIL-DTL-38999 Series III and IV

EMI Backshell, Spin Coupling
380H*103
Page 38-17

EMI Backshell, Self-Locking
380H*105
Page 38-19

EMI Backshell, Composite, Self-Locking
380H*099
Page 38-21

Adapter Code P
Series 970 PowerTrip

EMI Backshell, Self-Locking
380P*105
Page 38-29

Adapter Code M
Series 80 Mighty Mouse

EMI Backshell, Direct Coupling
380MS135
Page 38-22

EMI Backshell, Spin Coupling, Lo Prof.
380MS141
Page 38-23

EMI Backshell, Spin Coupling
380M*137
Page 38-24

Adapter Code V
Series 806 Mil-Aero

EMI Backshell, Self-Locking
380V*143
Page 38-26

EMI Backshell, Spin Coupling
387V*243
Page 38-28

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Series 38 EMI Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

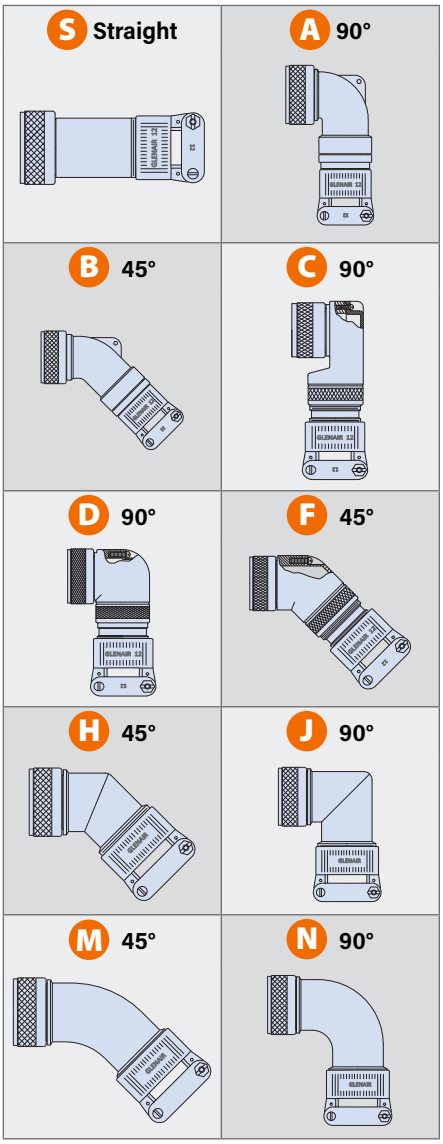
380A*103 EMI Backshell, Spin Coupling

Shielded. Straight, 45° or 90°. 380A*103 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Spin coupling. Cone and ring shield termination. Two ground rings for terminating individual and overall braid shields. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

PROFILE SELECTION GUIDE



PART NUMBER

	380AS103	M	10	04	H	4

Base P/N

Base Part No.	Profile	Shell Size
380AS103	S Straight	08-28
380AA103	A 90° Elbow	08-28
380AB103	B 45° Elbow	08-28
380AC103	C 90° Low Prof.	10-24
380AD103	D 90° Split	08-24
380AF103	F 45° Split	08-24
380AH103	H 45° Cut/Weld	08-24
380AJ103	J 90° Cut/Weld	08-24
380AM103	M 45° Full Radius	08-28
380AN103	N 90° Full Radius	08-28

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

08 10 12 14 16 18 20 22 24 28

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-28	16	.937 (23.8)	22-28
04	.312 (7.9)	10-28	20	1.250 (31.8)	28
06	.437 (11.1)	12-28	24	1.375 (34.9)	28
08	.562 (14.3)	14-28	28	1.625 (41.3)	-
10	.625 (15.9)	16-28	32	1.875 (47.6)	-
12	.750 (19.1)	18-28			

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

⚠ ***Profile C entry size cannot exceed shell size range listed in table.***

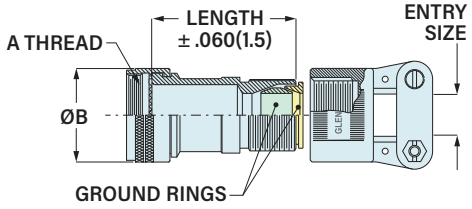
Strain Relief

H Saddle Clamp

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.94	23.9
14	0.875-20 UNEF	1.07	27.2
16	1.000-20 UNEF	1.21	30.7
18	1.0625-18 UNEF	1.23	31.2
20	1.1875-18 UNEF	1.36	34.5
22	1.3125-18 UNEF	1.48	37.6
24	1.4375-18 UNEF	1.73	43.9
28	1.750-18 UNS	1.97	50.0

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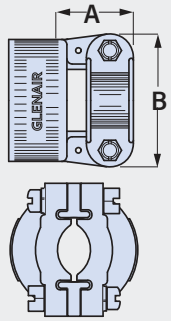
Series 38 EMI Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

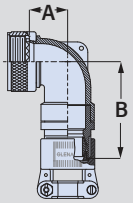
380A*103 EMI Backshell, Spin Coupling

STRAIN RELIEF DIMENSIONS

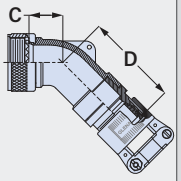


Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

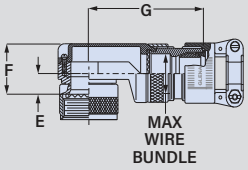
Profile A Standard 90°



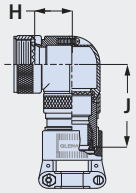
Profile B Standard 45°



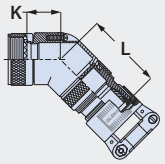
Profile C Low Profile Split 90°



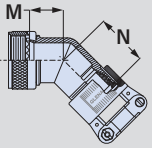
Profile D Split 90°



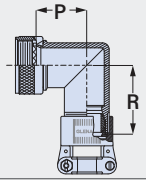
Profile F Split 45°



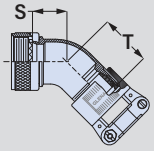
Profile H Cut/Weld 45°



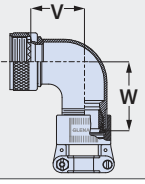
Profile J Cut/Weld 90°



Profile M Full Radius 45°



Profile N Full Radius 90°



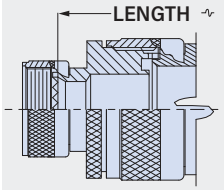
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

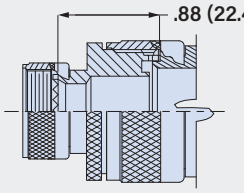
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	03	18	12
10	04	20	12
12	06	22	16
14	08	24	16
16	10	28	24

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inches.

Shell Size	A Max in	A Max mm	B Max in	B Max mm	C Max in	C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	Max Wire Bundle in	Max Wire Bundle mm	H Max in	H Max mm	J Max in	J Max mm
08	.500	12.7	1.612	40.9	.457	11.6	1.062	40.7	.340	8.6	.681	17.3	1.780	45.2	.250	6.4	.680	17.3	1.530	38.9
10	.595	15.1	1.732	44.0	.520	13.2	1.662	42.2	.270	6.9	.731	18.6	1.940	49.3	.375	9.5	.750	19.1	1.590	40.4
12	.610	15.5	1.752	44.5	.582	14.8	1.722	43.7	.270	6.9	.731	18.6	1.940	49.3	.375	9.5	.810	20.6	1.660	42.2
14	.700	17.8	2.072	52.6	.645	16.4	2.062	52.4	.280	7.1	.831	21.1	2.010	51.1	.500	12.7	.870	22.1	1.690	42.9
16	.885	22.5	2.162	54.9	.738	18.7	2.172	55.2	.420	10.7	.981	24.9	2.060	52.3	.625	15.9	.930	23.6	1.790	45.5
18	.975	24.8	2.332	59.2	.926	23.5	2.362	60.0	.640	16.3	1.181	30.0	2.090	53.1	.625	15.9	1.000	25.4	1.850	47.0
20	.975	24.8	2.332	59.2	.926	23.5	2.362	60.0	.640	16.3	1.181	30.0	2.090	53.1	.625	15.9	1.060	26.9	1.910	48.5
22	1.125	28.6	2.442	62.0	1.020	25.9	2.512	63.8	.540	13.7	1.181	30.0	2.240	56.9	.750	19.1	1.120	28.4	1.970	50.0
24	1.125	28.6	2.442	62.0	1.020	25.9	2.512	63.8	.540	13.7	1.181	30.0	2.240	56.9	.750	19.1	1.180	30.0	2.030	51.6
28	1.225	31.1	2.612	66.3	1.145	29.1	2.562	65.1				Not available						Not available		

Shell Size	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm	V Max in	V Max mm	W Max in	W Max mm
08	.440	11.2	1.590	40.4	.639	16.2	1.015	25.8	.750	19.1	1.125	28.6	.812	20.6	.875	22.2	1.125	28.6	1.188	30.2
10	.500	12.7	1.650	41.9	.664	16.9	1.045	26.5	.810	20.6	1.185	30.1	.875	22.2	.938	23.8	1.250	31.8	1.312	33.3
12	.560	14.2	1.720	43.7	.688	17.5	1.065	27.1	.870	22.1	1.245	31.6	.938	23.8	1.000	25.4	1.375	34.9	1.438	36.5
14	.620	15.7	1.750	44.5	.705	17.9	1.095	27.8	.920	23.4	1.315	33.4	1.000	25.4	1.062	27.0	1.500	38.1	1.562	39.7
16	.680	17.3	1.850	47.0	.732	18.6	1.115	28.3	.980	24.9	1.375	34.9	1.062	27.0	1.125	28.6	1.625	41.3	1.688	42.9
18	.750	19.1	1.910	48.5	.748	19.0	1.125	28.6	1.020	25.9	1.395	35.4	1.094	27.8	1.156	29.4	1.750	44.5	1.812	46.0
20	.820	20.8	1.970	50.0	.773	19.6	1.145	29.1	1.080	27.4	1.445	36.7	1.156	29.4	1.219	31.0	1.875	47.6	1.938	49.2
22	.880	22.4	2.030	51.6	.800	20.3	1.185	30.1	1.140	29.0	1.535	39.0	1.188	30.2	1.250	31.8	2.000	50.8	2.062	52.4
24	.940	23.9	2.090	53.1	.823	20.9	1.215	30.9	1.200	30.5	1.605	40.8	1.250	31.8	1.312	33.3	2.125	54.0	2.188	55.6
28		Not available				Not available				Not available			1.344	34.1	1.625	41.3	2.375	60.3	2.625	66.7

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 38 EMI Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

380A*105 EMI Backshell, Self-Locking

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Shielded. Self locking. 380A*105 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Cone and ring shield termination. Two ground rings for terminating individual and overall braid shields. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PART NUMBER

	380AS105	M	10	04	H	4

Base P/N

Base Part No.	Profile	Shell Size
380AS105	S Straight	08-40
380AA105	A 90° Elbow	08-28
380AB105	B 45° Elbow	08-28
380AC105	C 90° Low Prof.	08-24
380AD105	D 90° Split	08-24
380AF105	F 45° Split	08-24
380AH105	H 45° Cut/Weld	08-40
380AJ105	J 90° Cut/Weld	08-40
380AM105	M 45° Full Radius	08-40
380AN105	N 90° Full Radius	08-40

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

08 10 12 14 16 18 20 22 24 28 32 36 40

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-40	16	.937 (23.8)	22-40
04	.312 (7.9)	10-40	20	1.250 (31.8)	28-40
06	.437 (11.1)	12-40	24	1.375 (34.9)	28-40
08	.562 (14.3)	14-40	28	1.625 (41.3)	32-40
10	.625 (15.9)	16-40	32	1.875 (47.6)	40
12	.750 (19.1)	18-40			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See ***Maximum Entry Size*** for details.

⚠ *Profile C entry size cannot exceed shell size range listed in table.*

Strain Relief

H Saddle Clamp

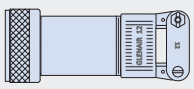
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

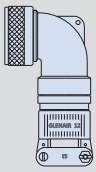
Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

PROFILE SELECTION GUIDE

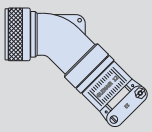
S Straight



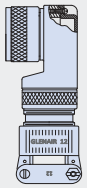
A 90°



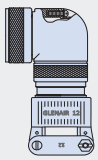
B 45°



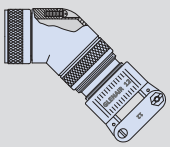
C 90°



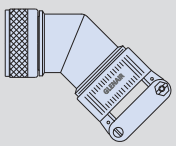
D 90°



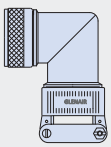
F 45°



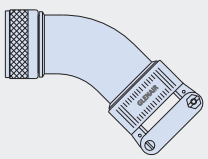
H 45°



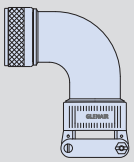
J 90°

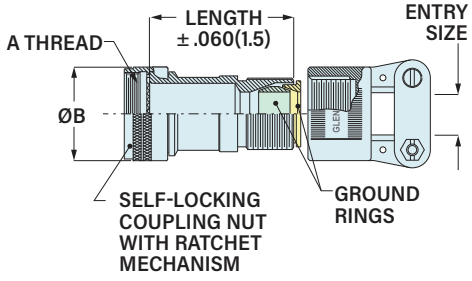


M 45°



N 90°





Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.69	17.5
10	0.625-24 UNEF	.82	20.8
12	0.750-20 UNEF	.94	23.8
14	0.875-20 UNEF	1.06	26.9
16	1.000-20 UNEF	1.17	29.7
18	1.0625-18 UNEF	1.46	37.1
20	1.1875-18 UNEF	1.60	40.6
22	1.3125-18 UNEF	1.70	43.2
24	1.4375-18 UNEF	1.84	46.7
28	1.750-18 UNS	2.01	51.1
32	2.000-18 UNS	2.26	57.4
36	2.250-16 UN	2.53	64.3
40	2.500-16 UN	3.04	77.2

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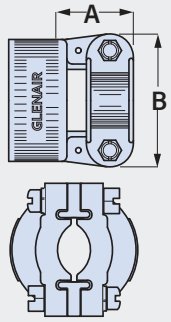
Dimensions in Inches (millimeters) are subject to change without notice.

Series 38 EMI Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

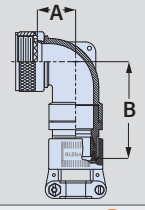
380A*105 EMI Backshell, Self-Locking

STRAIN RELIEF DIMENSIONS

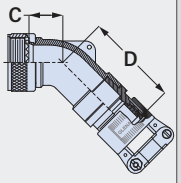


Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

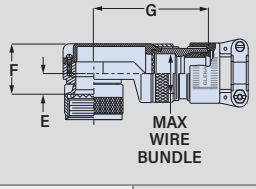
Profile A Standard 90°



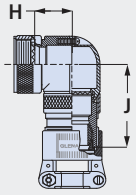
Profile B Standard 45°



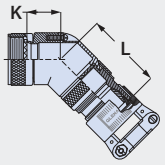
Profile C Low Profile Split 90°



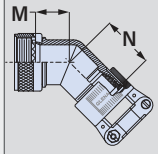
Profile D Split 90°



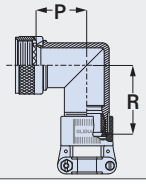
Profile F Split 45°



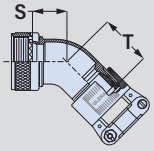
Profile H Cut/Weld 45°



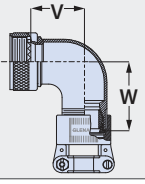
Profile J Cut/Weld 90°



Profile M Full Radius 45°



Profile N Full Radius 90°



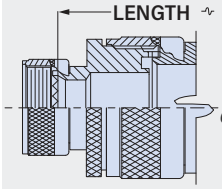
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

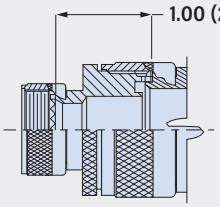
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	03	22	16
10	04	24	16
12	06	28	24
14	08	32	28
16	10	36	28
18	12	40	32
20	12		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.00 inches.

Shell Size	A Max in	A Max mm	B Max in	B Max mm	C Max in	C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	Max Wire Bundle in	Max Wire Bundle mm	H Max in	H Max mm	J Max in	J Max mm
08	.656	16.7	1.612	40.9	.613	15.6	1.062	40.7	.496	12.6	.837	21.3	1.780	45.2	.250	6.4	.836	21.2	1.530	38.9
10	.751	19.1	1.732	44.0	.676	17.2	1.662	42.2	.426	10.8	.887	22.5	1.940	49.3	.375	9.5	.906	23.0	1.590	40.4
12	.766	19.5	1.752	44.5	.738	18.7	1.722	43.7	.426	10.8	.887	22.5	1.940	49.3	.375	9.5	.966	24.5	1.660	42.2
14	.856	21.7	2.072	52.6	.801	20.3	2.062	52.4	.436	11.1	.987	25.1	2.010	51.1	.500	12.7	1.026	26.1	1.690	42.9
16	1.041	26.4	2.162	54.9	.894	22.7	2.172	55.2	.576	14.6	1.137	28.9	2.060	52.3	.625	15.9	1.086	27.6	1.790	45.5
18	1.131	28.7	2.332	59.2	1.082	27.5	2.362	60.0	.796	20.2	1.337	34.0	2.090	53.1	.625	15.9	1.156	29.4	1.850	47.0
20	1.131	28.7	2.332	59.2	1.082	27.5	2.362	60.0	.796	20.2	1.337	34.0	2.090	53.1	.625	15.9	1.216	30.9	1.910	48.5
22	1.281	32.5	2.442	62.0	1.176	29.9	2.512	63.8	.696	17.7	1.337	34.0	2.240	56.9	.750	19.1	1.276	32.4	1.970	50.0
24	1.281	32.5	2.442	62.0	1.176	29.9	2.512	63.8	.696	17.7	1.337	34.0	2.240	56.9	.750	19.1	1.336	33.9	2.030	51.6
28	1.381	35.1	2.612	66.3	1.301	33.0	2.562	65.1				Not available						Not available		

Shell Size	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm	S Max in	S Max mm	T Max in	T Max mm	V Max in	V Max mm	W Max in	W Max mm
08	.596	15.1	1.590	40.4	.795	20.2	1.015	25.8	.906	23.0	1.125	28.6	.968	24.6	.875	22.2	1.281	32.5	1.188	30.2
10	.656	16.7	1.650	41.9	.820	20.8	1.045	26.5	.966	24.5	1.185	30.1	1.031	26.2	.938	23.8	1.406	35.7	1.312	33.3
12	.716	18.2	1.720	43.7	.844	21.4	1.065	27.1	1.026	26.1	1.245	31.6	1.094	27.8	1.000	25.4	1.531	38.9	1.438	36.5
14	.776	19.7	1.750	44.5	.861	21.9	1.095	27.8	1.076	27.3	1.315	33.4	1.156	29.4	1.062	27.0	1.656	42.1	1.562	39.7
16	.836	21.2	1.850	47.0	.888	22.6	1.115	28.3	1.136	28.9	1.375	34.9	1.219	31.0	1.125	28.6	1.781	45.2	1.688	42.9
18	.906	23.0	1.910	48.5	.904	23.0	1.125	28.6	1.176	29.9	1.395	35.4	1.250	31.8	1.156	29.4	1.906	48.4	1.812	46.0
20	.976	24.8	1.970	50.0	.929	23.6	1.145	29.1	1.236	31.4	1.445	36.7	1.312	33.3	1.219	31.0	2.031	51.6	1.938	49.2
22	1.036	26.3	2.030	51.6	.956	24.3	1.185	30.1	1.296	32.9	1.535	39.0	1.344	34.1	1.250	31.8	2.156	54.8	2.062	52.4
24	1.096	27.8	2.090	53.1	.979	24.9	1.215	30.9	1.356	34.4	1.605	40.8	1.406	35.7	1.312	33.3	2.281	57.9	2.188	55.6
28		Not available			1.064	27.0	1.454	36.9	1.507	38.3	1.897	48.2	1.500	38.1	1.625	41.3	2.531	64.3	2.625	66.7
32		Not available			1.114	28.3	1.504	38.2	1.630	41.4	2.020	51.3	1.675	42.5	1.945	49.4	2.625	66.7	2.895	73.5
36		Not available			1.159	29.4	1.549	39.3	1.738	44.1	2.128	54.1	1.799	45.7	2.069	52.6	2.875	73.0	3.145	79.9
40		Not available			1.204	30.6	1.594	40.5	1. 845	46.9	2.235	56.8	1.861	47.3	2.131	54.1	3.025	76.8	3.295	83.7

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Series 38 EMI Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III,AS81703 Series 3, AS95234

380A*099 EMI Backshell, Composite, Self-Locking

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shielded. Corrosion proof. Self locking. 380A*099 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, AS81703 Series 3, MIL-DTL-83723 Series III** connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Cone and ring shield termination. Glass-reinforced thermoplastic. Stainless steel telescoping screws.

MATERIAL/FINISH

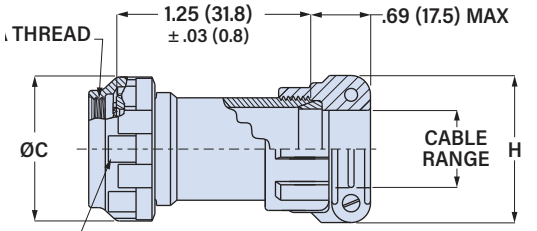
Coupling nut, saddles: glass-reinforced polyetherimide (PEI), unplated, amber color
Body and shield termination ring: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

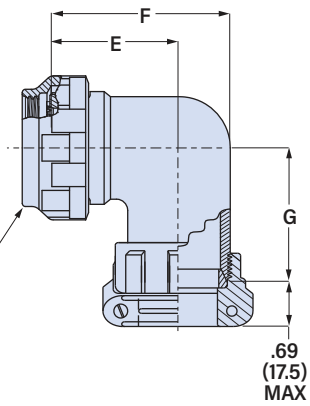
	380AS099	XM	16	12	C

Base P/N	**Base Part No.**	**Profile**	**Shell Size**
	380AS099 (S)	Straight	08-28
	380AT099 (T)	45° Elbow	08-24
	380AW099 (W)	90° Elbow	08-28
Body Finish	XM Electroless Nickel XMT Nickel-PTFE XW Olive Drab Cadmium XTZ Tin-Zinc	*Coupling nut and saddle clamp are unplated.*	
Shell Size	08 10 12 14 16 18 20 22 24 28		
Entry Size	*See Table 1*		
Strain Relief Type	C Saddle Clamp		

S Straight



W 90°



T 45°

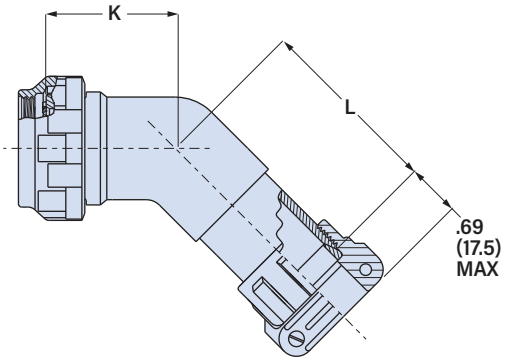


TABLE 1: ENTRY SIZE

Entry Size	Cable Diameter in Min	Cable Diameter in Max.	Cable Diameter mm Min	Cable Diameter mm Max.	H Max. in	H Max. mm	Shell Size
10	.20	.25	5.1	6.4	1.00	25.4	08-28
12	.29	.38	7.4	9.7	1.23	31.2	10-28
14	.40	.44	10.1	11.2	1.34	34.0	12-28
16	.48	.63	12.2	15.9	1.47	37.3	14-28
18	.55	.69	14.0	17.5	1.56	39.6	16-28
20	.64	.75	16.3	19.1	1.62	41.1	16-28
22	.72	.88	18.3	22.2	1.75	44.5	20-28
24	.79	1.00	20.0	25.4	1.87	47.5	22-28
28	.89	1.13	20.3	28.6	1.97	50.0	24-28
32	.96	1.25	24.4	31.8	2.08	52.8	28

Shell Size	A Thread Class 2B	øC Max in	øC Max mm	D Hex Flats in	D Hex Flats mm	E ±.06(1.5) in	E ±.06(1.5) mm	F ±.09(2.3) in	F ±.09(2.3) mm	G ±.09(2.3) in	G ±.09(2.3) mm	K ±.06(1.5) in	K ±.06(1.5) mm	L ±.06(1.5) in	L ±.06(1.5) mm	Max Entry Size
08	0.500-20 UNF	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.19	30.2	.72	18.3	.88	22.4	10
10	0.625-24 UNEF	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.25	31.8	.75	19.1	.94	23.9	12
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.31	33.3	.75	19.1	1.00	25.4	14
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	.76	19.3	1.03	26.2	16
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	.78	19.8	1.06	26.9	20
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	.79	20.1	1.07	27.2	20
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.82	20.8	1.09	27.7	22
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	.86	21.8	1.14	29.0	24
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.92	23.4	1.17	29.7	28
28	1.750-18 UNS	2.16	54.9	2.000	50.8	1.34	34.0	2.13	54.1	1.78	45.2	—	—	—	—	32

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Series 38 EMI Backshells

for AS50151 Solder Connectors

380B*002 EMI Backshell, Direct Coupling

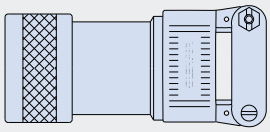
Straight, 45° or 90°. Cone and ring braid shield termination. 380B*002 backshell fits AS50151 (MS3100) solder connectors. Direct coupling. For use with shielded cable. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

Adapter Code B

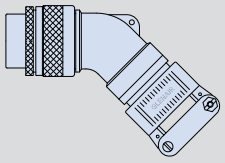
Fits AS50151 Series 1 AN Type solder Connectors . AS310*1, MS3100.

PROFILE SELECTION GUIDE

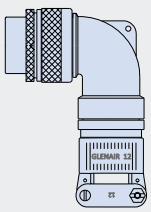
S Straight



B 45°



A 90°



PART NUMBER

	380BA002	NF	15	08	H		A

Base P/N

380BS002	S Straight
380BA002	A 90° Elbow
380BB002	B 45° Elbow

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profile S only)*

Shell Size

Code	Shell Size	Code	Shell Size
05	10S	20	22
08	10SL	21	24
11	12, 12S	22	28
14	14, 14S	23	32
15	16, 16S	26	36
16	18	31	40
17	20		

Entry Size — *See Table 1*

Strain Relief — H Saddle Clamp

Length

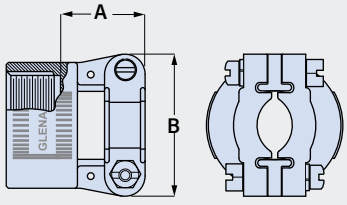
5	2.5 inches
6	3.0 inches
7	3.5 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size", then 3 inch minimum applies.

Connector Manufacturer Code — A Universal

Compatible with all manufacturers. includes additional thread adapter(s) as necessary to fit multiple manufacturers. See following page for thread dimensions.

TABLE 1: ENTRY SIZE



Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm	Profile S Shell Size Range(1)
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9	10S-40
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1	10SL-40
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3	14-40
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9	14-40
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1	16-40
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8	20-40
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8	24-40
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9	28-40
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3	32-40
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6	40

(1) If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See next page.

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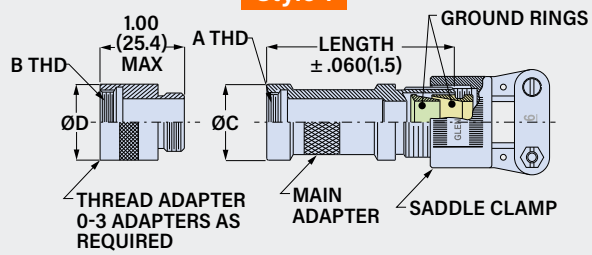
Series 38 EMI Backshells

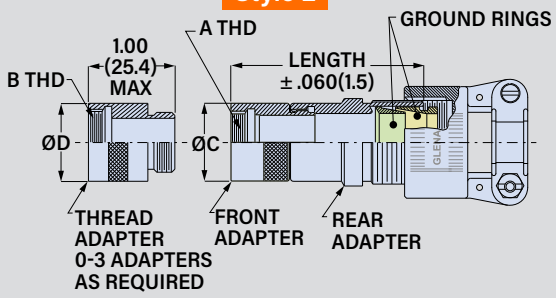
for AS50151 Solder Connectors

380B*002 EMI Backshell, Direct Coupling

Style 1



Style 2

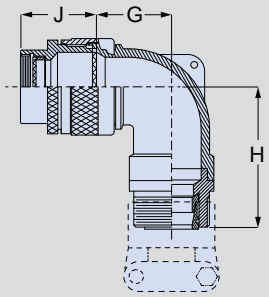


Shell Size Code	Shell Size	A Class 2B	B Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm	Max. Entry Size (1)
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4	04
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4	06
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6	06
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A	10
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A	10
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A	12
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3	16
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A	16
21	24	1.3750-18 UNEF	N/A	1.468	37.3	N/A	N/A	20
22	28	1.6250-18 UNEF	N/A	1.593	40.5	N/A	N/A	24
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4	28
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7	28
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1	32

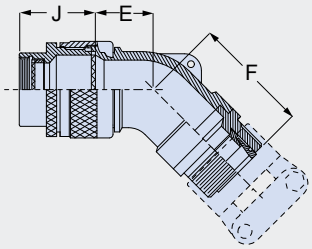
Notes

1) "**Max. Entry Size**" applies only to straight profile backshells. If the selected entry size is larger than the maximum entry shown in the table, a ***Style 2*** front adapter will be included.

A 90°



B 45°



Shell Size Code	Shell Size	J Max in	J Max mm
05	10S	1.25	31.8
08	10SL	1.25	31.8
11	12, 12S	1.25	31.8
14	14, 14S	1.25	31.8
15	16, 16S	1.56	39.6
16	18	1.56	39.6
17	20	1.56	39.6
20	22	1.56	39.6
21	24	1.56	39.6
22	28	1.56	39.6
23	32	1.75	44.5
26	36	1.75	44.5
31	40	2.19	55.6

Entry Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
04	.567	14.4	1.630	41.4	.636	16.2	1.200	30.5
06	.630	16.0	1.250	31.8	.710	18.0	1.320	33.5
08	.692	17.6	1.312	33.3	.731	18.6	1.340	34.0
10	.755	19.2	1.655	42.0	.825	21.0	1.660	42.2
12	.848	21.5	1.765	44.8	.988	25.1	1.750	44.5
16	1.036	26.3	1.953	49.6	1.087	27.6	1.925	48.9
20	1.130	28.7	2.098	53.3	1.325	33.7	2.033	51.6
24	1.255	31.9	2.155	54.7	1.337	34.0	2.200	55.9
28	1.317	33.5	2.250	57.2	1.827	46.4	2.450	62.2
32	1.348	34.2	2.343	59.5	2.027	51.5	2.450	62.2

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Series 38 EMI Backshells

for MIL-DTL-26482 Series I Connectors

380D*002 EMI Backshell, Direct Coupling

Adapter Code D

This accessory fits MIL-DTL-26482 Series I connectors

Straight, 45° or 90°. Cone and ring shield termination. 380D*002 backshell fits MIL-DTL-26482 Series I connectors. Direct coupling. Non-environmental, for use with shielded cable. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PART NUMBER

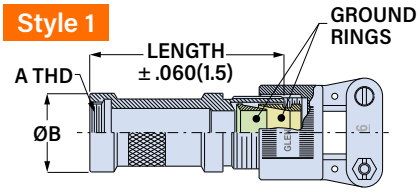
	380DS002	NF	12	04	H	3

Base P/N	380DS002	S Straight
	380DA002	A 90° Elbow
	380DB002	B 45° Elbow
Material/Finish	M	Alum/ Electroless Nickel
	MT	Alum/ Nickel-PTFE
	NF	Alum/ Olive Drab Cadmium
	ZR	Alum/ Black Zinc-Nickel
	TZ	Alum/ Tin-Zinc
	Z1	SST/ Passivated *(Profile S only)*
Shell Size	08 10 12 14 16 18 20 22 24	
Entry Size	*See Table 1*	
Strain Relief	H	Saddle Clamp
Length	5	2.5 inches
	6	3.0 inches
	7	3.5 inches
	8	4.0 inches

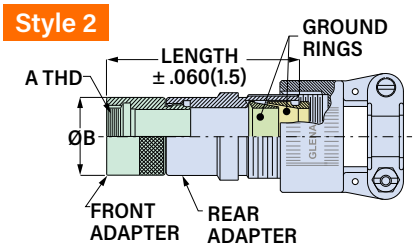
Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size", then 3 inch minimum applies.

S Straight

Style 1

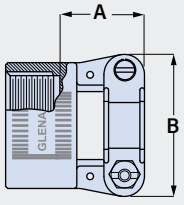


Style 2



Shell Size	A Thread UNEF-2B	øB Max. in	øB Max. mm	J Max. in	J Max. mm	Max. Entry Size(1)
08	0.4375-28	.59	15.0	1.25	31.8	04
10	0.5625-24	.72	18.3	1.25	31.8	06
12	0.6875-24	.84	21.3	1.25	31.8	08
14	0.8125-20	.97	24.6	1.25	31.8	10
16	0.9375-20	1.09	27.7	1.56	39.6	12
18	1.0625-18	1.22	31.0	1.56	39.6	16
20	1.1875-18	1.34	34.0	1.56	39.6	16
22	1.3125-18	1.47	37.3	1.56	39.6	16
24	1.4375-18	1.59	40.4	1.56	39.6	20

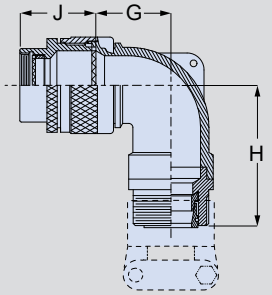
TABLE 1: STRAIN RELIEF DIMENSIONS



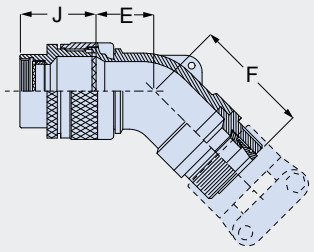
Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm	Profile S Shell Size Range(1)
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9	08-24
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1	10-24
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3	12-24
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9	14-24
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1	16-24
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8	18-24
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8	24
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9	
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3	
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6	

(1) If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.

A 90°



B 45°



Entry Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
04	.567	14.4	1.630	41.4	.636	16.2	1.200	30.5
06	.630	16.0	1.250	31.8	.710	18.0	1.320	33.5
08	.692	17.6	1.312	33.3	.731	18.6	1.340	34.0
10	.755	19.2	1.655	42.0	.825	21.0	1.660	42.2
12	.848	21.5	1.765	44.8	.988	25.1	1.750	44.5
16	1.036	26.3	1.953	49.6	1.087	27.6	1.925	48.9
20	1.130	28.7	2.098	53.3	1.325	33.7	2.033	51.6
24	1.255	31.9	2.155	54.7	1.337	34.0	2.200	55.9
28	1.317	33.5	2.250	57.2	1.827	46.4	2.450	62.2
32	1.348	34.2	2.343	59.5	2.027	51.5	2.450	62.2

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Series 38 EMI Backshells

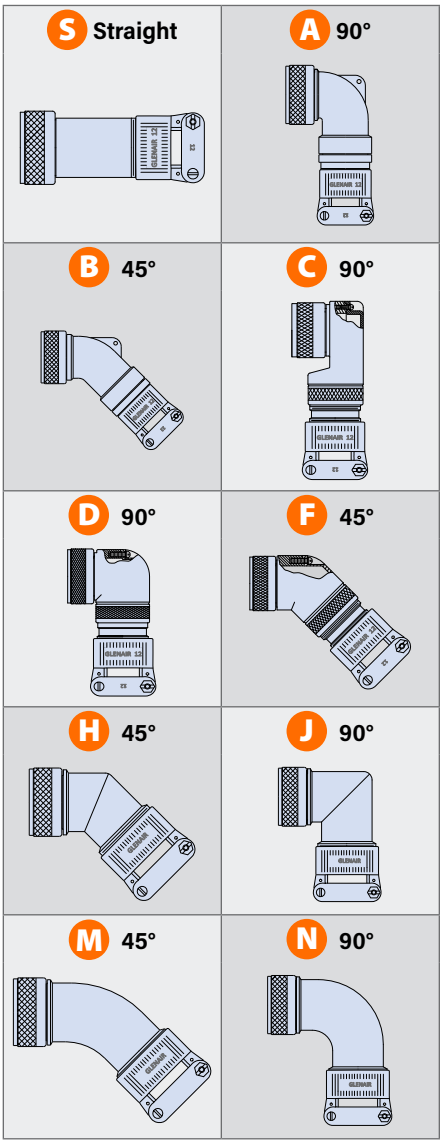
for MIL-DTL-38999 Series I/II Connectors

380F*103 EMI Backshell, Spin Coupling

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

PROFILE SELECTION GUIDE



Shielded. Straight, 45° or 90°. 380F*103 backshell fits MIL-DTL-38999 Series I and II connectors. Spin coupling. Cone and ring shield termination. Two ground rings for terminating individual and overall braid shields. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PART NUMBER

380FS103	M	10	04	H	4

Base P/N

Base Part No.		Profile
380FS103	S	Straight
380FA103	A	90° Elbow
380FB103	B	45° Elbow
380FC103	C	90° Low Prof.
380FD103	D	90° Split
380FF103	F	45° Split
380FH103	H	45° Cut/Weld
380FJ103	J	90° Cut/Weld
380FM103	M	45° Full Radius
380FN103	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-24	16	.937 (23.8)	20-24
04	.312 (7.9)	10-24	20	1.250 (31.8)	24
06	.437 (11.1)	12-24	24	1.375 (34.9)	-
08	.562 (14.3)	14-24	28	1.625 (41.3)	-
10	.625 (15.9)	14-24	32	1.875 (47.6)	-
12	.750 (19.1)	16-24			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See ***Maximum Entry Size*** for details.

⚠ *Profile C entry size cannot exceed shell size range listed in table.*

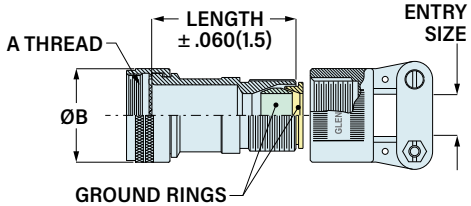
Strain Relief

H	Saddle Clamp

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.650	16.5
10/11	0.5625-24	.770	19.6
12/13	0.6875-24	.890	22.6
14/15	0.8125-20	1.020	25.9
16/17	0.9375-20	1.150	29.2
18/19	1.0625-18	1.230	31.2
20/21	1.1875-18	1.360	34.5
22/23	1.3125-18	1.480	37.6
24/25	1.4375-18	1.730	43.9

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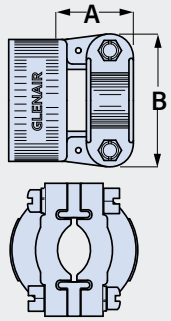
Series 38 EMI Backshells

for MIL-DTL-38999 Series I/II Connectors

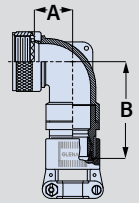
380F*103 EMI Backshell, Spin Coupling

STRAIN RELIEF DIMENSIONS

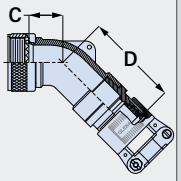


Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

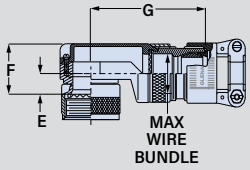
Profile A Standard 90°



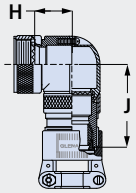
Profile B Standard 45°



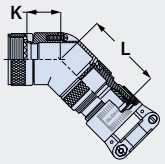
Profile C Low Profile Split 90°



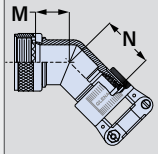
Profile D Split 90°



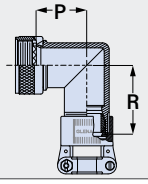
Profile F Split 45°



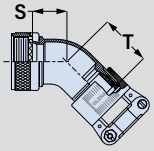
Profile H Cut/Weld 45°



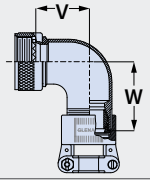
Profile J Cut/Weld 90°



Profile M Full Radius 45°



Profile N Full Radius 90°



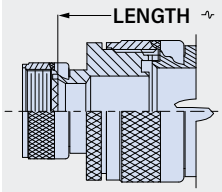
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

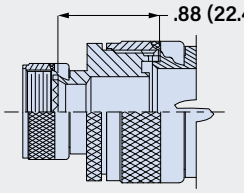
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
8/9	03	18/19	12
10/11	04	20/21	16
12/13	06	22/23	16
14/15	10	24/25	20
16/17	12		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inches.

Shell Size	Profile A: A Max in	A Max mm	B Max in	B Max mm	Profile B: C Max in	C Max mm	D Max in	D Max mm	Profile C: E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	Max Wire Bundle in	Max Wire Bundle mm	Profile D: H Max in	H Max mm	J Max in	J Max mm
8/9	.500	12.7	1.612	40.9	.457	11.6	1.062	40.7	.340	8.6	.681	17.3	1.780	45.2	.250	6.4	.680	17.3	1.530	38.9
10/11	.595	15.1	1.732	44.0	.520	13.2	1.662	42.2	.270	6.9	.731	18.6	1.940	49.3	.375	9.5	.750	19.1	1.590	40.4
12/13	.610	15.5	1.752	44.5	.582	14.8	1.722	43.7	.270	6.9	.731	18.6	1.940	49.3	.375	9.5	.810	20.6	1.660	42.2
14/15	.700	17.8	2.072	52.6	.645	16.4	2.062	52.4	.280	7.1	.831	21.1	2.010	51.1	.500	12.7	.870	22.1	1.690	42.9
16/17	.885	22.5	2.162	54.9	.738	18.7	2.172	55.2	.420	10.7	.981	24.9	2.060	52.3	.625	15.9	.930	23.6	1.790	45.5
18/19	.975	24.8	2.332	59.2	.926	23.5	2.362	60.0	.640	16.3	1.181	30.0	2.090	53.1	.625	15.9	1.000	25.4	1.850	47.0
20/21	.975	24.8	2.332	59.2	.926	23.5	2.362	60.0	.640	16.3	1.181	30.0	2.090	53.1	.625	15.9	1.060	26.9	1.910	48.5
22/23	1.125	28.6	2.442	62.0	1.020	25.9	2.512	63.8	.540	13.7	1.181	30.0	2.240	56.9	.750	19.1	1.120	28.4	1.970	50.0
24/25	1.125	28.6	2.442	62.0	1.020	25.9	2.512	63.8	.540	13.7	1.181	30.0	2.240	56.9	.750	19.1	1.180	30.0	2.030	51.6

Shell Size	Profile F: K Max in	K Max mm	L Max in	L Max mm	Profile H: M Max in	M Max mm	N Max in	N Max mm	Profile J: P Max in	P Max mm	R Max in	R Max mm	Profile M: S Max in	S Max mm	T Max in	T Max mm	Profile N: V Max in	V Max mm	W Max in	W Max mm
8/9	.440	11.2	1.590	40.4	.639	16.2	1.015	25.8	.750	19.1	1.125	28.6	.812	20.6	.875	22.2	1.125	28.6	1.188	30.2
10/11	.500	12.7	1.650	41.9	.664	16.9	1.045	26.5	.810	20.6	1.185	30.1	.875	22.2	.938	23.8	1.250	31.8	1.312	33.3
12/13	.560	14.2	1.720	43.7	.688	17.5	1.065	27.1	.870	22.1	1.245	31.6	.938	23.8	1.000	25.4	1.375	34.9	1.438	36.5
14/15	.620	15.7	1.750	44.5	.705	17.9	1.095	27.8	.920	23.4	1.315	33.4	1.000	25.4	1.062	27.0	1.500	38.1	1.562	39.7
16/17	.680	17.3	1.850	47.0	.732	18.6	1.115	28.3	.980	24.9	1.375	34.9	1.062	27.0	1.125	28.6	1.625	41.3	1.688	42.9
18/19	.750	19.1	1.910	48.5	.748	19.0	1.125	28.6	1.020	25.9	1.395	35.4	1.094	27.8	1.156	29.4	1.750	44.5	1.812	46.0
20/21	.820	20.8	1.970	50.0	.773	19.6	1.145	29.1	1.080	27.4	1.445	36.7	1.156	29.4	1.219	31.0	1.875	47.6	1.938	49.2
22/23	.880	22.4	2.030	51.6	.800	20.3	1.185	30.1	1.140	29.0	1.535	39.0	1.188	30.2	1.250	31.8	2.000	50.8	2.062	52.4
24/25	.940	23.9	2.090	53.1	.823	20.9	1.215	30.9	1.200	30.5	1.605	40.8	1.250	31.8	1.312	33.3	2.125	54.0	2.188	55.6

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Series 38 EMI Backshells

for MIL-DTL-38999 Series I/II Connectors

380F*105 EMI Backshell, Spin Coupling, Self-Locking

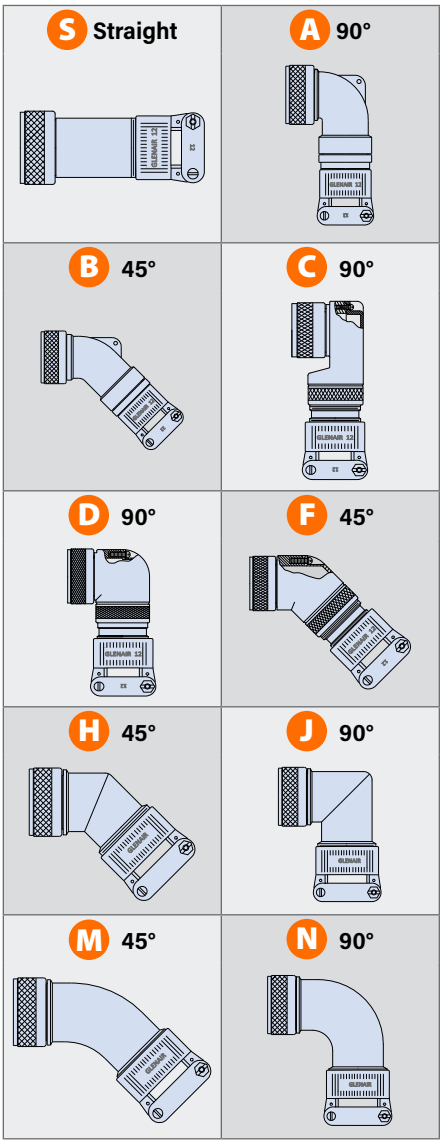
Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Shielded. Self locking. 380F*105 backshell fits MIL-DTL-38999 Series I and II connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Cone and ring shield termination. Two ground rings for terminating individual and overall braid shields. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PROFILE SELECTION GUIDE



PART NUMBER

380FS105	M	10	04	H	4

Base P/N

Base Part No.		Profile
380FS105	S	Straight
380FA105	A	90° Elbow
380FB105	B	45° Elbow
380FC105	C	90° Low Prof.
380FD105	D	90° Split
380FF105	F	45° Split
380FH105	H	45° Cut/Weld
380FJ105	J	90° Cut/Weld
380FM105	M	45° Full Radius
380FN105	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-24	16	.937 (23.8)	20-24
04	.312 (7.9)	10-24	20	1.250 (31.8)	24
06	.437 (11.1)	12-24	24	1.375 (34.9)	-
08	.562 (14.3)	14-24	28	1.625 (41.3)	-
10	.625 (15.9)	14-24	32	1.875 (47.6)	-
12	.750 (19.1)	16-24			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See ***Maximum Entry Size*** for details.

⚠ *Profile C entry size cannot exceed shell size range listed in table.*

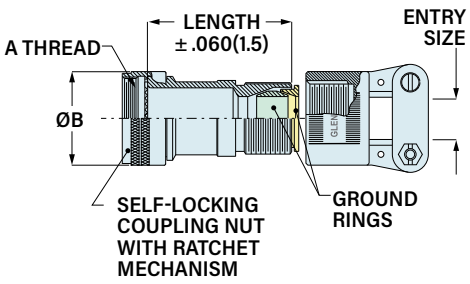
Strain Relief

H	Saddle Clamp

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.860	21.8
10/11	0.5625-24	.970	24.6
12/13	0.6875-24	1.110	28.2
14/15	0.8125-20	1.210	30.7
16/17	0.9375-20	1.350	34.3
18/19	1.0625-18	1.460	37.1
20/21	1.1875-18	1.600	40.6
22/23	1.3125-18	1.700	43.2
24/25	1.4375-18	1.840	46.7

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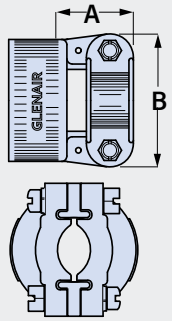
Series 38 EMI Backshells

for MIL-DTL-38999 Series I/II Connectors

380F*105 EMI Backshell, Spin Coupling, Self-Locking

STRAIN RELIEF DIMENSIONS



Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

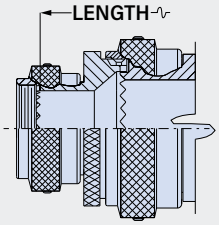
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

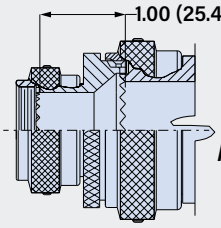
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
8/9	03	18/19	12
10/11	04	20/21	16
12/13	06	22/23	16
14/15	10	24/25	20
16/17	12		

Style 2 Straight Backshell

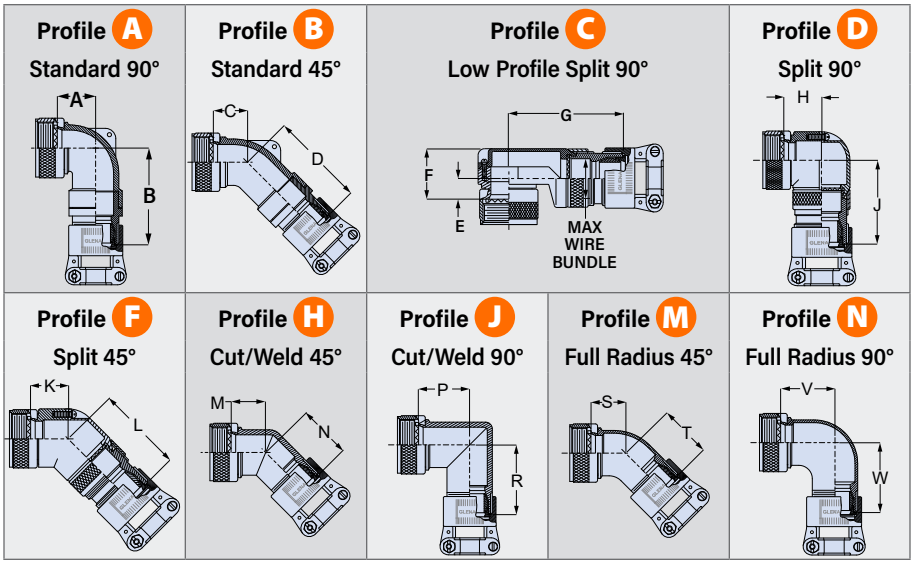


For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.00 inches.



Shell Size	Profile A: A Max in	A Max mm	B Max in	B Max mm	Profile B: C Max in	C Max mm	D Max in	D Max mm	Profile C: E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	Max Wire Bundle in	Max Wire Bundle mm	Profile D: H Max in	H Max mm	J Max in	J Max mm
8/9	.656	16.7	1.612	40.9	.613	15.6	1.062	40.7	.496	12.6	.837	21.3	1.780	45.2	.250	6.4	.836	21.2	1.530	38.9
10/11	.751	19.1	1.732	44.0	.676	17.2	1.662	42.2	.426	10.8	.887	22.5	1.940	49.3	.375	9.5	.906	23.0	1.590	40.4
12/13	.766	19.5	1.752	44.5	.738	18.7	1.722	43.7	.426	10.8	.887	22.5	1.940	49.3	.375	9.5	.966	24.5	1.660	42.2
14/15	.856	21.7	2.072	52.6	.801	20.3	2.062	52.4	.436	11.1	.987	25.1	2.010	51.1	.500	12.7	1.026	26.1	1.690	42.9
16/17	1.041	26.4	2.162	54.9	.894	22.7	2.172	55.2	.576	14.6	1.137	28.9	2.060	52.3	.625	15.9	1.086	27.6	1.790	45.5
18/19	1.131	28.7	2.332	59.2	1.082	27.5	2.362	60.0	.796	20.2	1.337	34.0	2.090	53.1	.625	15.9	1.156	29.4	1.850	47.0
20/21	1.131	28.7	2.332	59.2	1.082	27.5	2.362	60.0	.796	20.2	1.337	34.0	2.090	53.1	.625	15.9	1.216	30.9	1.910	48.5
22/23	1.281	32.5	2.442	62.0	1.176	29.9	2.512	63.8	.696	17.7	1.337	34.0	2.240	56.9	.750	19.1	1.276	32.4	1.970	50.0
24/25	1.281	32.5	2.442	62.0	1.176	29.9	2.512	63.8	.696	17.7	1.337	34.0	2.240	56.9	.750	19.1	1.336	33.9	2.030	51.6

Shell Size	Profile F: K Max in	K Max mm	L Max in	L Max mm	Profile H: M Max in	M Max mm	N Max in	N Max mm	Profile J: P Max in	P Max mm	R Max in	R Max mm	Profile M: S Max in	S Max mm	T Max in	T Max mm	Profile N: V Max in	V Max mm	W Max in	W Max mm
8/9	.596	15.1	1.590	40.4	.795	20.2	1.015	25.8	.906	23.0	1.125	28.6	.968	24.6	.875	22.2	1.281	32.5	1.188	30.2
10/11	.656	16.7	1.650	41.9	.820	20.8	1.045	26.5	.966	24.5	1.185	30.1	1.031	26.2	.938	23.8	1.406	35.7	1.312	33.3
12/13	.716	18.2	1.720	43.7	.844	21.4	1.065	27.1	1.026	26.1	1.245	31.6	1.094	27.8	1.000	25.4	1.531	38.9	1.438	36.5
14/15	.776	19.7	1.750	44.5	.861	21.9	1.095	27.8	1.076	27.3	1.315	33.4	1.156	29.4	1.062	27.0	1.656	42.1	1.562	39.7
16/17	.836	21.2	1.850	47.0	.888	22.6	1.115	28.3	1.136	28.9	1.375	34.9	1.219	31.0	1.125	28.6	1.781	45.2	1.688	42.9
18/19	.906	23.0	1.910	48.5	.904	23.0	1.125	28.6	1.176	29.9	1.395	35.4	1.250	31.8	1.156	29.4	1.906	48.4	1.812	46.0
20/21	.976	24.8	1.970	50.0	.929	23.6	1.145	29.1	1.236	31.4	1.445	36.7	1.312	33.3	1.219	31.0	2.031	51.6	1.938	49.2
22/23	1.036	26.3	2.030	51.6	.956	24.3	1.185	30.1	1.296	32.9	1.535	39.0	1.344	34.1	1.250	31.8	2.156	54.8	2.062	52.4
24/25	1.096	27.8	2.090	53.1	.979	24.9	1.215	30.9	1.356	34.4	1.605	40.8	1.406	35.7	1.312	33.3	2.281	57.9	2.188	55.6

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Series 38 EMI Backshells

for MIL-DTL-38999 Series I/II Connectors

380F*099 EMI Backshell, Composite, Self-Locking

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Shielded. Corrosion proof. Self locking. 380F*099 backshell fits MIL-DTL-38999 Series I / II connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Cone and ring braid shield termination. Glass-reinforced thermoplastic, telescoping stainless steel clamp screws.

MATERIAL/FINISH

Coupling nut, saddles: glass-reinforced polyetherimide (PEI), unplated, amber color
Body and shield termination ring: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

	380FS099	XM	16	12	C

Base P/N

Base Part No.	Profile
380FS099	S Straight
380FT099	T 45° Elbow
380FW099	W 90° Elbow

Body Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

Coupling nut and saddle clamp are unplated.

Shell Size

38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size *See Table 1*

Strain Relief C Saddle Clamp

S Straight W 90° T 45°

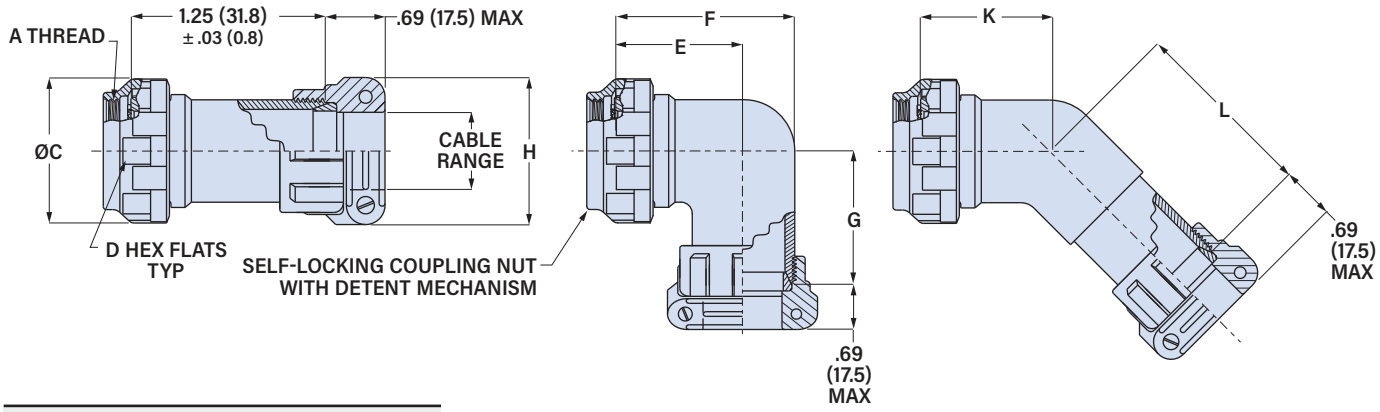

TABLE 1: ENTRY SIZE

Entry Size	Cable Diameter in Min	in Max.	mm Min	mm Max.	H Max. in	H Max. mm	Shell Sizes
10	.20	.25	5.1	6.4	1.00	25.4	08-24
12	.29	.38	7.4	9.7	1.23	31.2	10-24
14	.40	.44	10.1	11.2	1.34	34.0	12-24
16	.48	.63	12.2	15.9	1.47	37.3	14-24
18	.55	.69	14.0	17.5	1.56	39.6	16-24
20	.64	.75	16.3	19.1	1.62	41.1	16-24
22	.72	.88	18.3	22.2	1.75	44.5	20-24
24	.79	1.00	20.0	25.4	1.87	47.5	22-24
28	.89	1.13	20.3	28.6	1.97	50.0	24

Shell Size	A Thread UNEF-2B	øC Max in	øC Max mm	D Hex Flats in	D Hex Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	K ± .06(1.5) in	K ± .06(1.5) mm	L ± .06(1.5) in	L ± .06(1.5) mm	Max Entry Size
8/9	0.4375-28	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.19	30.2	.72	18.3	.88	22.4	10
10/11	0.5625-24	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.25	31.8	.75	19.1	.94	23.9	12
12/13	0.6875-24	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.31	33.3	.75	19.1	1.00	25.4	14
14/15	0.8125-20	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	.76	19.3	1.03	26.2	16
16/17	0.9375-20	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	.78	19.8	1.06	26.9	20
18/19	1.0625-18	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	.79	20.1	1.07	27.2	20
20/21	1.1875-18	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.82	20.8	1.09	27.7	22
22/23	1.3125-18	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	.86	21.8	1.14	29.0	24
24/25	1.4375-18	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.92	23.4	1.17	29.7	28

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Series 38 EMI Backshells

for MIL-DTL-28840 Connectors

380G*011 EMI Backshell, Spin Coupling

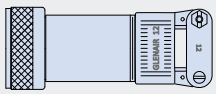
Adapter Code G

This accessory fits MIL-DTL-28840 and Glenair Series 901 Connectors

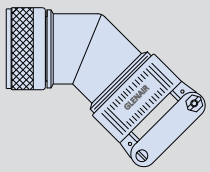
Shielded. Straight, 45° or 90°. 380G*011- backshell fits MIL-DTL-28840 connectors. Spin coupling. For use with shielded jacketed cable. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PROFILE SELECTION GUIDE

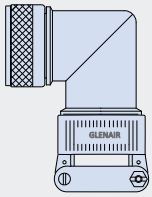
S Straight



H 45°



J 90°



PART NUMBER

	380GS011	ZU	17	08	H	3

Base P/N

Base Part No.		Profile
380GS011	S	Straight
380GH011	H	45°
380GJ011	J	90°

Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Cadmium, Olive Drab
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated
ZU	SST/Cadmium, Black
ZTZ	SST/Tin-Zinc

Shell Size

Shell Size	11	13	15	17	19	23	25	29	33
	A	B	C	D	E	F	G	H	J
Size Code	11	13	15	17	19	23	25	29	33

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*
04	.312 (7.9)	11-33
06	.437 (11.1)	13-33
08	.562 (14.3)	15-33
10	.625 (15.9)	15-33
12	.750 (19.1)	17-33
16	.937 (23.8)	23-33
20	1.250 (31.8)	29-33
24	1.375 (34.9)	29-33
28	1.625 (41.3)	33
32	1.875 (47.6)	-

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See **Maximum Entry Size** for details.*

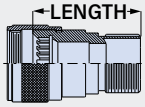
Strain Relief

H	Saddle Clamp

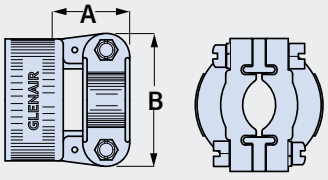
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



STRAIN RELIEF DIMENSIONS



Saddle Clamp

Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

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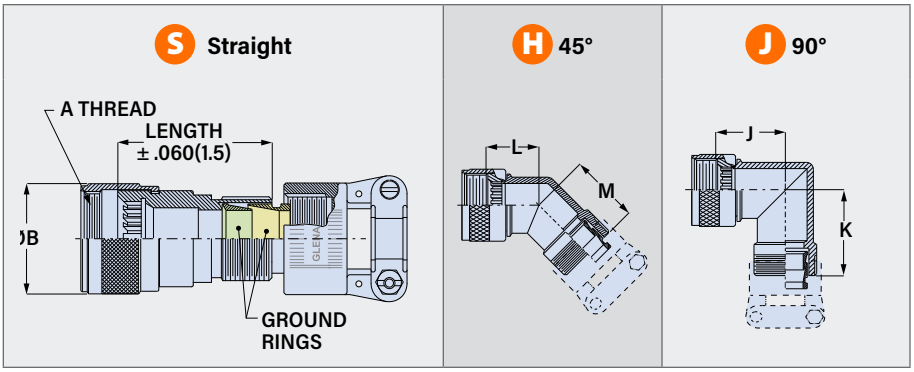
Series 38 EMI Backshells

for MIL-DTL-28840 Connectors

380G*011 EMI Backshell, Spin Coupling



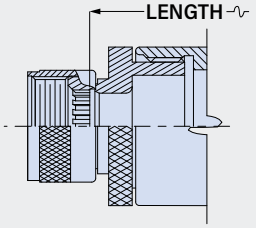
Size Code	Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm	J Max. in	J Max. mm	K Max. in	K Max. mm	L Max. in	L Max. mm	M Max. in	M Max. mm
11	A (11)	.750-20 UNEF	.94	23.9	1.24	31.5	1.05	26.7	1.38	35.1	1.19	30.2
13	B (13)	.875-20 UNEF	1.07	27.7	1.26	32.0	1.07	27.2	1.44	36.6	1.25	31.8
15	C (15)	1.000-20 UNEF	1.21	30.7	1.29	32.8	1.10	27.9	1.50	38.1	1.32	33.5
17	D (17)	1.125-18 UNEF	1.41	35.7	1.31	33.3	1.12	28.4	1.57	39.9	1.38	35.1
19	E (19)	1.250-18 UNEF	1.53	38.9	1.34	34.0	1.15	29.2	1.63	41.4	1.46	37.1
23	F (23)	1.438-18 UNEF	1.73	43.9	1.38	35.1	1.19	30.2	1.73	43.9	1.54	39.1
25	G (25)	1.562-18 UNEF	1.82	46.2	1.41	35.8	1.22	31.0	1.80	45.7	1.61	40.9
29	H (29)	1.875-16 UN	2.14	54.4	1.58	40.1	1.39	35.3	2.04	51.8	1.85	47.0
33	J (33)	2.062-16 UNS	2.44	62.0	1.62	41.1	1.43	36.3	2.13	54.1	1.94	49.3

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a Style 2 backshell.

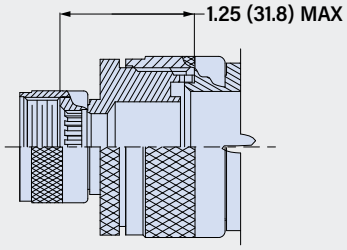
Shell Size	Maximum Entry Size
A (11)	04
B (13)	06
C (15)	10
D (17)	12
E (19)	12
F (23)	16
G (25)	16
H (29)	24
J (33)	28

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.25 inches.

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Series 38 EMI Backshells

for MIL-DTL-38999 Series III/IV Connectors

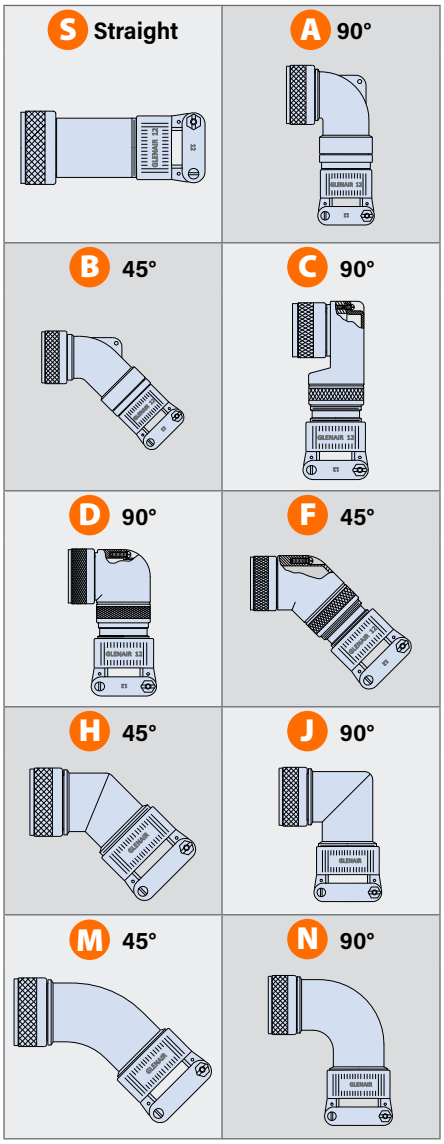
380H*103 EMI Backshell, Spin Coupling

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Shielded. Straight, 45° or 90°. 380H*103 backshell fits MIL-DTL-38999 Series III and IV connectors. Spin coupling. Cone and ring shield termination. Two ground rings for terminating individual and overall braid shields. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PROFILE SELECTION GUIDE



PART NUMBER

380HS103	M	11	04	H	3

Base P/N

Base Part No.		Profile
380HS103	S	Straight
380HA103	A	90° Elbow
380HB103	B	45° Elbow
380HC103	C	90° Low Prof.
380HD103	D	90° Split
380HF103	F	45° Split
380HH103	H	45° Cut/Weld
380HJ103	J	90° Cut/Weld
380HM103	M	45° Full Radius
380HN103	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	09-25	16	.937 (23.8)	21-25
04	.312 (7.9)	11-25	20	1.250 (31.8)	25
06	.437 (11.1)	13-25	24	1.375 (34.9)	-
08	.562 (14.3)	15-25	28	1.625 (41.3)	-
10	.625 (15.9)	15-25	32	1.875 (47.6)	-
12	.750 (19.1)	17-25			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See ***Maximum Entry Size*** for details.

⚠ *Profile C entry size cannot exceed shell size range listed in table.*

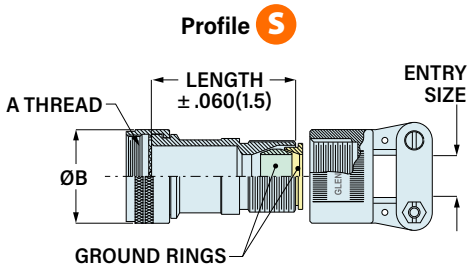
Strain Relief

H	Saddle Clamp

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.770	19.6
11 (B)	M15X1.0-6H	.840	21.3
13 (C)	M18X1.0-6H	.960	24.4
15 (D)	M22X1.0-6H	1.090	27.7
17 (E)	M25X1.0-6H	1.230	31.2
19 (F)	M28X1.0-6H	1.360	34.5
21 (G)	M31X1.0-6H	1.480	37.6
23 (H)	M34X1.0-6H	1.600	40.6
25 (J)	M37X1.0-6H	1.720	43.7

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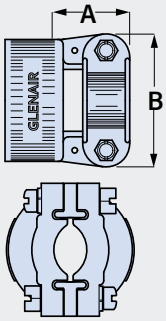
Series 38 EMI Backshells

for MIL-DTL-38999 Series III/IV Connectors

380H*103 EMI Backshell, Spin Coupling

STRAIN RELIEF DIMENSIONS



Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

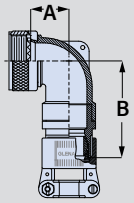
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

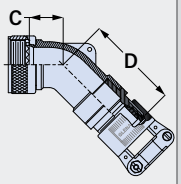
⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9 (A)	03	19 (F)	12
11 (B)	04	21 (G)	16
13 (C)	06	23 (H)	16
15 (D)	10	25 (J)	20
17 (E)	12		

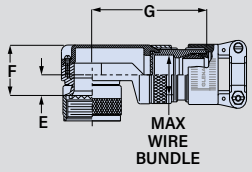
Profile A — Standard 90°



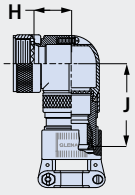
Profile B — Standard 45°



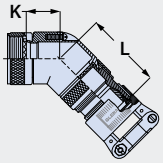
Profile C — Low Profile Split 90°



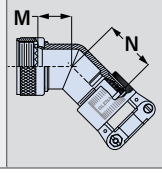
Profile D — Split 90°



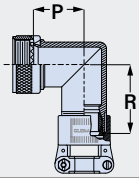
Profile F — Split 45°



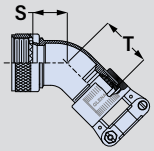
Profile H — Cut/Weld 45°



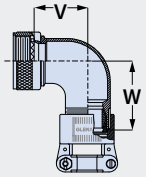
Profile J — Cut/Weld 90°



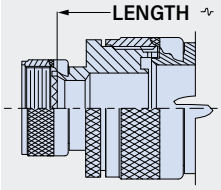
Profile M — Full Radius 45°



Profile N — Full Radius 90°

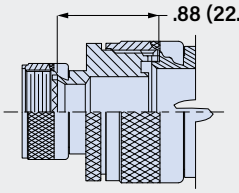


Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inches.

Shell Size	Profile A: A Max in	A Max mm	B Max in	B Max mm	Profile B: C Max in	C Max mm	D Max in	D Max mm	Profile C: E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	Max Wire Bundle in	Max Wire Bundle mm	Profile D: H Max in	H Max mm	J Max in	J Max mm
9 (A)	.500	12.7	1.612	40.9	.457	11.6	1.062	40.7	.340	8.6	.681	17.3	1.780	45.2	.250	6.4	.680	17.3	1.530	38.9
11 (B)	.595	15.1	1.732	44.0	.520	13.2	1.662	42.2	.270	6.9	.731	18.6	1.940	49.3	.375	9.5	.750	19.1	1.590	40.4
13 (C)	.610	15.5	1.752	44.5	.582	14.8	1.722	43.7	.270	6.9	.731	18.6	1.940	49.3	.375	9.5	.810	20.6	1.660	42.2
15 (D)	.700	17.8	2.072	52.6	.645	16.4	2.062	52.4	.280	7.1	.831	21.1	2.010	51.1	.500	12.7	.870	22.1	1.690	42.9
17 (E)	.885	22.5	2.162	54.9	.738	18.7	2.172	55.2	.420	10.7	.981	24.9	2.060	52.3	.625	15.9	.930	23.6	1.790	45.5
19 (F)	.975	24.8	2.332	59.2	.926	23.5	2.362	60.0	.640	16.3	1.181	30.0	2.090	53.1	.625	15.9	1.000	25.4	1.850	47.0
21 (G)	.975	24.8	2.332	59.2	.926	23.5	2.362	60.0	.640	16.3	1.181	30.0	2.090	53.1	.625	15.9	1.060	26.9	1.910	48.5
23 (H)	1.125	28.6	2.442	62.0	1.020	25.9	2.512	63.8	.540	13.7	1.181	30.0	2.240	56.9	.750	19.1	1.120	28.4	1.970	50.0
25 (J)	1.125	28.6	2.442	62.0	1.020	25.9	2.512	63.8	.540	13.7	1.181	30.0	2.240	56.9	.750	19.1	1.180	30.0	2.030	51.6

Shell Size	Profile F: K Max in	K Max mm	L Max in	L Max mm	Profile H: M Max in	M Max mm	N Max in	N Max mm	Profile J: P Max in	P Max mm	R Max in	R Max mm	Profile M: S Max in	S Max mm	T Max in	T Max mm	Profile N: V Max in	V Max mm	W Max in	W Max mm
9 (A)	.440	11.2	1.590	40.4	.639	16.2	1.015	25.8	.750	19.1	1.125	28.6	.812	20.6	.875	22.2	1.125	28.6	1.188	30.2
11 (B)	.500	12.7	1.650	41.9	.664	16.9	1.045	26.5	.810	20.6	1.185	30.1	.875	22.2	.938	23.8	1.250	31.8	1.312	33.3
13 (C)	.560	14.2	1.720	43.7	.688	17.5	1.065	27.1	.870	22.1	1.245	31.6	.938	23.8	1.000	25.4	1.375	34.9	1.438	36.5
15 (D)	.620	15.7	1.750	44.5	.705	17.9	1.095	27.8	.920	23.4	1.315	33.4	1.000	25.4	1.062	27.0	1.500	38.1	1.562	39.7
17 (E)	.680	17.3	1.850	47.0	.732	18.6	1.115	28.3	.980	24.9	1.375	34.9	1.062	27.0	1.125	28.6	1.625	41.3	1.688	42.9
19 (F)	.750	19.1	1.910	48.5	.748	19.0	1.125	28.6	1.020	25.9	1.395	35.4	1.094	27.8	1.156	29.4	1.750	44.5	1.812	46.0
21 (G)	.820	20.8	1.970	50.0	.773	19.6	1.145	29.1	1.080	27.4	1.445	36.7	1.156	29.4	1.219	31.0	1.875	47.6	1.938	49.2
23 (H)	.880	22.4	2.030	51.6	.800	20.3	1.185	30.1	1.140	29.0	1.535	39.0	1.188	30.2	1.250	31.8	2.000	50.8	2.062	52.4
25 (J)	.940	23.9	2.090	53.1	.823	20.9	1.215	30.9	1.200	30.5	1.605	40.8	1.250	31.8	1.312	33.3	2.125	54.0	2.188	55.6

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Series 38 EMI Backshells

for MIL-DTL-38999 Series III/IV Connectors

380H*105 EMI Backshell, Self-Locking

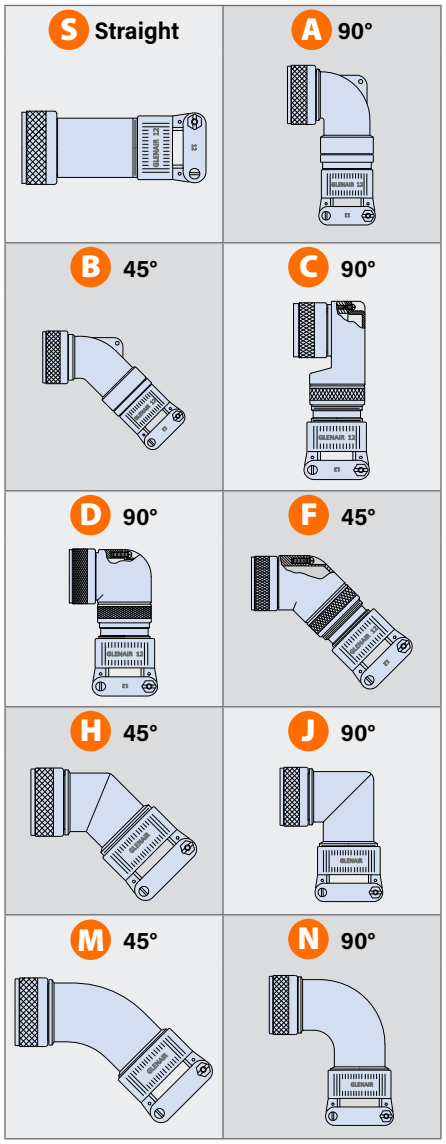
Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Shielded. Self locking. 380H*105 backshell fits MIL-DTL-38999 Series III and IV connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Cone and ring shield termination. Two ground rings for terminating individual and overall braid shields. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PROFILE SELECTION GUIDE



PART NUMBER

	380HS105	M	13	04	H	3

Base P/N

Base Part No.		Profile
380HS105	S	Straight
380HA105	A	90° Elbow
380HB105	B	45° Elbow
380HC105	C	90° Low Prof.
380HD105	D	90° Split
380HF105	F	45° Split
380HH105	H	45° Cut/Weld
380HJ105	J	90° Cut/Weld
380HM105	M	45° Full Radius
380HN105	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	09-25	16	.937 (23.8)	21-25
04	.312 (7.9)	11-25	20	1.250 (31.8)	25
06	.437 (11.1)	13-25	24	1.375 (34.9)	-
08	.562 (14.3)	15-25	28	1.625 (41.3)	-
10	.625 (15.9)	15-25	32	1.875 (47.6)	-
12	.750 (19.1)	17-25			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See ***Maximum Entry Size*** for details.

⚠ *Profile C entry size cannot exceed shell size range listed in table.*

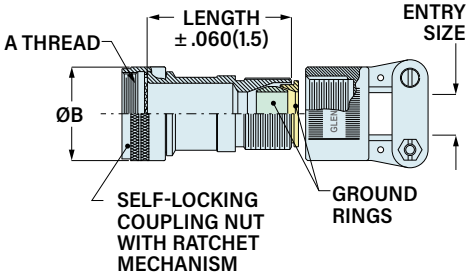
Strain Relief

H	Saddle Clamp

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.94	24.8
11 (B)	M15X1.0-6H	1.06	26.9
13 (C)	M18X1.0-6H	1.17	29.7
15 (D)	M22X1.0-6H	1.29	32.7
17 (E)	M25X1.0-6H	1.42	36.1
19 (F)	M28X1.0-6H	1.54	39.1
21 (G)	M31X1.0-6H	1.67	42.4
23 (H)	M34X1.0-6H	2.01	51.1
25 (J)	M37X1.0-6H	2.12	53.8

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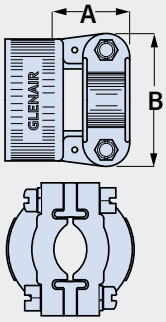
Series 38 EMI Backshells

for MIL-DTL-38999 Series III/IV Connectors

380H*105 EMI Backshell, Self-Locking

STRAIN RELIEF DIMENSIONS



Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

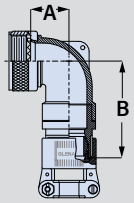
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

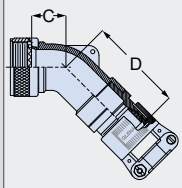
⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9 (A)	03	19 (F)	12
11 (B)	04	21 (G)	16
13 (C)	06	23 (H)	16
15 (D)	10	25 (J)	20
17 (E)	12		

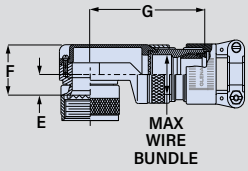
Profile A Standard 90°



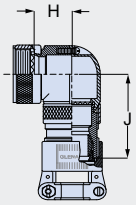
Profile B Standard 45°



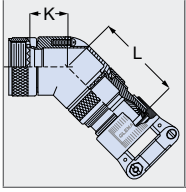
Profile C Low Profile Split 90°



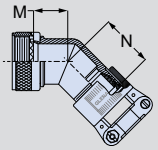
Profile D Split 90°



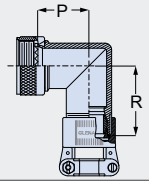
Profile F Split 45°



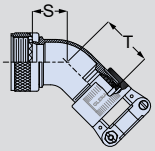
Profile H Cut/Weld 45°



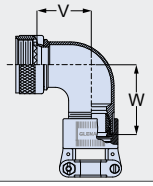
Profile J Cut/Weld 90°



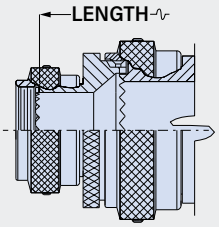
Profile M Full Radius 45°



Profile N Full Radius 90°

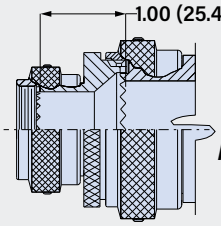


Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.00 inches.

Shell Size	Profile A A Max in	Profile A A Max mm	Profile A B Max in	Profile A B Max mm	Profile B C Max in	Profile B C Max mm	Profile B D Max in	Profile B D Max mm	Profile C E Max in	Profile C E Max mm	Profile C F Max in	Profile C F Max mm	Profile C G Max in	Profile C G Max mm	Profile C Max Wire Bundle in	Profile C Max Wire Bundle mm	Profile D H Max in	Profile D H Max mm	Profile D J Max in	Profile D J Max mm
9 (A)	.656	16.7	1.612	40.9	.613	15.6	1.062	40.7	.496	12.6	.837	21.3	1.780	45.2	.250	6.4	.836	21.2	1.530	38.9
11 (B)	.751	19.1	1.732	44.0	.676	17.2	1.662	42.2	.426	10.8	.887	22.5	1.940	49.3	.375	9.5	.906	23.0	1.590	40.4
13 (C)	.766	19.5	1.752	44.5	.738	18.7	1.722	43.7	.426	10.8	.887	22.5	1.940	49.3	.375	9.5	.966	24.5	1.660	42.2
15 (D)	.856	21.7	2.072	52.6	.801	20.3	2.062	52.4	.436	11.1	.987	25.1	2.010	51.1	.500	12.7	1.026	26.1	1.690	42.9
17 (E)	1.041	26.4	2.162	54.9	.894	22.7	2.172	55.2	.576	14.6	1.137	28.9	2.060	52.3	.625	15.9	1.086	27.6	1.790	45.5
19 (F)	1.131	28.7	2.332	59.2	1.082	27.5	2.362	60.0	.796	20.2	1.337	34.0	2.090	53.1	.625	15.9	1.156	29.4	1.850	47.0
21 (G)	1.131	28.7	2.332	59.2	1.082	27.5	2.362	60.0	.796	20.2	1.337	34.0	2.090	53.1	.625	15.9	1.216	30.9	1.910	48.5
23 (H)	1.281	32.5	2.442	62.0	1.176	29.9	2.512	63.8	.696	17.7	1.337	34.0	2.240	56.9	.750	19.1	1.276	32.4	1.970	50.0
25 (J)	1.281	32.5	2.442	62.0	1.176	29.9	2.512	63.8	.696	17.7	1.337	34.0	2.240	56.9	.750	19.1	1.336	33.9	2.030	51.6

Shell Size	Profile F K Max in	Profile F K Max mm	Profile F L Max in	Profile F L Max mm	Profile H M Max in	Profile H M Max mm	Profile H N Max in	Profile H N Max mm	Profile J P Max in	Profile J P Max mm	Profile J R Max in	Profile J R Max mm	Profile M S Max in	Profile M S Max mm	Profile M T Max in	Profile M T Max mm	Profile N V Max in	Profile N V Max mm	Profile N W Max in	Profile N W Max mm
9 (A)	.596	15.1	1.590	40.4	.795	20.2	1.015	25.8	.906	23.0	1.125	28.6	.968	24.6	.875	22.2	1.281	32.5	1.188	30.2
11 (B)	.656	16.7	1.650	41.9	.820	20.8	1.045	26.5	.966	24.5	1.185	30.1	1.031	26.2	.938	23.8	1.406	35.7	1.312	33.3
13 (C)	.716	18.2	1.720	43.7	.844	21.4	1.065	27.1	1.026	26.1	1.245	31.6	1.094	27.8	1.000	25.4	1.531	38.9	1.438	36.5
15 (D)	.776	19.7	1.750	44.5	.861	21.9	1.095	27.8	1.076	27.3	1.315	33.4	1.156	29.4	1.062	27.0	1.656	42.1	1.562	39.7
17 (E)	.836	21.2	1.850	47.0	.888	22.6	1.115	28.3	1.136	28.9	1.375	34.9	1.219	31.0	1.125	28.6	1.781	45.2	1.688	42.9
19 (F)	.906	23.0	1.910	48.5	.904	23.0	1.125	28.6	1.176	29.9	1.395	35.4	1.250	31.8	1.156	29.4	1.906	48.4	1.812	46.0
21 (G)	.976	24.8	1.970	50.0	.929	23.6	1.145	29.1	1.236	31.4	1.445	36.7	1.312	33.3	1.219	31.0	2.031	51.6	1.938	49.2
23 (H)	1.036	26.3	2.030	51.6	.956	24.3	1.185	30.1	1.296	32.9	1.535	39.0	1.344	34.1	1.250	31.8	2.156	54.8	2.062	52.4
25 (J)	1.096	27.8	2.090	53.1	.979	24.9	1.215	30.9	1.356	34.4	1.605	40.8	1.406	35.7	1.312	33.3	2.281	57.9	2.188	55.6

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Series 38 EMI Backshells

for MIL-DTL-38999 Series III/IV Connectors

380H*099 EMI Backshell, Composite, Self-Locking

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Shielded. Corrosion proof. Self locking. 380H*099 backshell fits MIL-DTL-38999 Series III and IV connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Cone and ring braid shield termination. Glass-reinforced thermoplastic, telescoping stainless steel clamp screws.

MATERIAL/FINISH

Coupling nut, saddles: glass-reinforced polyetherimide (PEI), unplated, amber color
Body and shield termination ring: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

	380HS099	XM	13	10	C

Base P/N

Base Part No.		Profile
380HS099	S	Straight
380HT099	T	45° Elbow
380HW099	W	90° Elbow

Body Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

Coupling nut and saddle clamp are unplated.

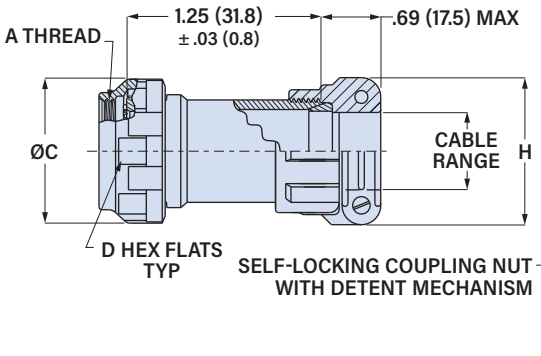
Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

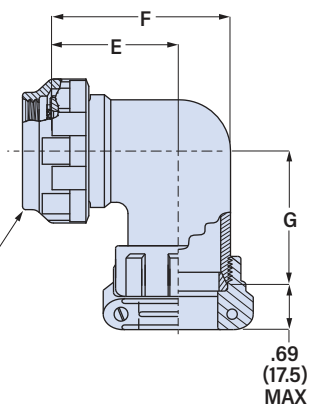
Entry Size — *See Table 1*

Strain Relief — C — Saddle Clamp

S Straight



W 90°



T 45°

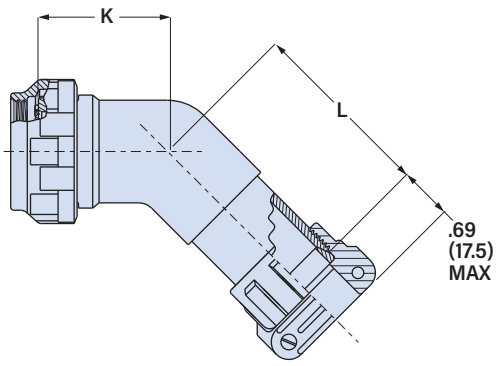


TABLE 1: ENTRY SIZE

Entry Size	Cable Diameter in Min	in Max.	mm Min	mm Max.	H Max. in	H Max. mm	Shell Size
10	.20	.25	5.1	6.4	1.00	25.4	09-25
12	.29	.38	7.4	9.7	1.23	31.2	11-25
14	.40	.44	10.1	11.2	1.34	34.0	13-25
16	.48	.63	12.2	15.9	1.47	37.3	15-25
18	.55	.69	14.0	17.5	1.56	39.6	17-25
20	.64	.75	16.3	19.1	1.62	41.1	19-25
22	.72	.88	18.3	22.2	1.75	44.5	21-25
24	.79	1.00	20.0	25.4	1.87	47.5	23-25
28	.89	1.13	20.3	28.6	1.97	50.0	25

Shell Size	A Thread	øC Max in	øC Max mm	D Hex Flats in	D Hex Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	K ± .06(1.5) in	K ± .06(1.5) mm	L ± .06(1.5) in	L ± .06(1.5) mm	Max Entry Size
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	27.0	.72	18.3	.88	22.4	10
11 (B)	M15X1.0-6H	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	.75	19.1	.94	23.9	12
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	.75	19.1	1.00	25.4	14
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	.76	19.3	1.03	26.2	16
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	.78	19.8	1.06	26.9	20
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	.79	20.1	1.07	27.2	20
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.82	20.8	1.09	27.7	22
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	.86	21.8	1.14	29.0	24
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.92	23.4	1.17	29.7	28

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Series 38 EMI Backshells

for Series 80 Mighty Mouse Connectors

380MS135 EMI Backshell, Direct Coupling

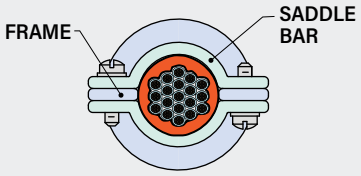
EMI. Low profile. Direct coupling. Non-environmental. 380MS135 backshell fits Glenair Series 80 Mighty Mouse connectors. For use with shielded cable. Fold cable braid over ground ring. Full radius saddle clamp has stainless steel screws and lockwashers. Available in aluminum or stainless steel.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully bottomed onto the frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp. See E dimension in Table 2 for the diameter of the fully bottomed saddles.



FULL RADIUS SADDLE CLAMP

SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

PART NUMBER

	380MS135	M	05	02	-6

Base P/N	**380MS135**
Material/Finish	**M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated
Shell Size	*See Table 1*
Entry Size	*See Table 2*

Length

Length Code	Length	Length Code	Length
5	.63 (16.0)	10	1.25 (31.8)
6	.75 (19.1)	12	1.50 (38.1)
8	1.00 (25.4)	16	2.00 (50.8)

Length in ⅛ inch increments.

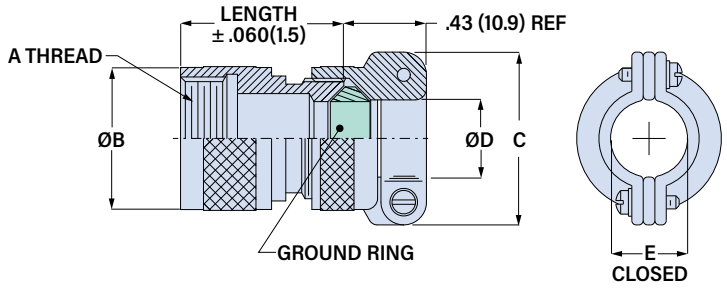


TABLE 1: SHELL SIZE

Shell Size Code	Shell Size: Series 800, 801, 803, 804	Shell Size: Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm
05	5	N/A	0.250-32	.350	8.9
06	6	N/A	0.3125-32	.415	10.5
11	N/A	8	0.3750-32	.465	11.8
07	7	9	0.4375-28	.530	13.5
08	8	10	0.500-28	.595	15.1
09	9	11	0.5625-24	.650	16.5
10	10	12	0.625-24	.715	18.2
12	11, 12, 13	13	0.6875-24	.785	19.9
13	N/A	15	0.750-20	.830	21.1
14	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9
16	19	21	1.0625-18	1.155	29.3
17	21	23	1.1875-18	1.280	32.5

TABLE 2: ENTRY SIZE

Entry Size	C ± .015 (0.4) in	C ± .015 (0.4) mm	øD ± .015 (0.4) in	øD ± .015 (0.4) mm	øE Closed ± .03 (0.8) in	øE Closed ± .03 (0.8) mm
01	.496	12.6	.119	3.0	.11	2.8
02	.582	14.8	.182	4.6	.17	4.3
03	.656	16.7	.244	6.2	.23	5.8
04	.726	18.4	.307	7.8	.30	7.6
05	.885	22.5	.369	9.4	.36	9.1
06	.952	24.2	.432	11.0	.42	10.7
07	1.018	25.9	.494	12.5	.48	12.2
08	1.084	27.5	.557	14.1	.55	14.0
09	1.148	29.2	.619	15.7	.61	15.5
10	1.211	30.8	.682	17.3	.67	17.0
11	1.273	32.3	.744	18.9	.73	18.5
12	1.400	35.6	.869	22.1	.86	21.8
13	1.539	39.1	1.010	25.7	.99	25.1

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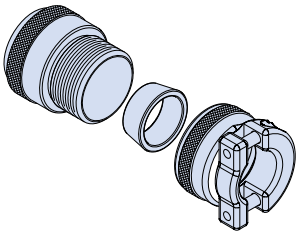
Series 38 EMI Backshells

for Series 80 Mighty Mouse Connectors

380MS141 EMI Backshell, Spin Coupling, Lightweight, Low Profile

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors



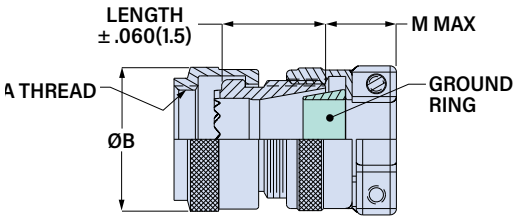
EMI. Low profile. Spin coupling. Non-environmental. Ultralightweight, compact 380MS141 backshell fits Glenair Series 80 Mighty Mouse connectors. For use with shielded cable. Fold cable braid over tapered ground ring for 360° shielding. Cable clamp has stainless steel screws and lockwashers. Available in aluminum or stainless steel.

PART NUMBER

	380MS141	M	08	06	-4

Base P/N	**380MS141**
Material/Finish	**M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated
Shell Size	*See Table 1*
Entry Size	*See Table 2*
Length	*Length in ⅛ inch increments.*

Length Code	Length	Length Code	Length
4	.50 (12.7)	10	1.25 (31.8)
5	.63 (16.0)	12	1.50 (38.1)
6	.75 (19.1)	16	2.00 (50.8)
8	1.00 (25.4)		



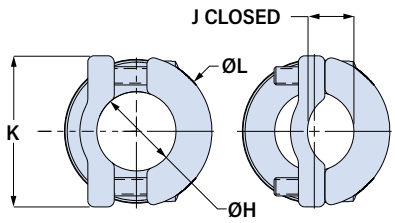


TABLE 1: SHELL SIZE CODE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	Max Cable Entry
05	5	N/A	0.250-32	.470	11.9	25
06	6	N/A	0.3125-32	.530	13.5	35
11	N/A	8	0.3750-32	.570	14.5	04
07	7	9	0.4375-28	.637	16.2	05
08	8	10	0.500-28	.700	17.8	06
09	9	11	0.5625-24	.758	19.3	07
10	10	12	0.625-24	.819	20.8	08
12	11, 12, 13	13	0.6875-24	.896	22.8	09
13	N/A	15	0.750-20	.930	23.6	10
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9	13
16	19	21	1.0625-18	1.250	31.8	14
17	21	23	1.1875-18	1.387	35.2	16

TABLE 2: ENTRY SIZE

Entry Size	øH in	øH mm	J Closed ± .015 (0.4) in	J Closed ± .015 (0.4) mm	K ± .015 (0.4) in	K ± .015 (0.4) mm	øL ± .015 (0.4) in	øL ± .015 (0.4) mm	M Max in	M Max mm
02	.125	3.2	.075	1.9	.470	11.9	.470	11.9	.375	9.5
25	.156	4.0	.094	2.4	.470	11.9	.470	11.9	.375	9.5
03	.188	4.8	.113	2.9	.530	13.5	.530	13.5	.375	9.5
35	.219	5.6	.131	3.3	.530	13.5	.530	13.5	.375	9.5
04	.250	6.4	.150	3.8	.590	15.0	.590	15.0	.375	9.5
05	.313	8.0	.188	4.8	.655	16.6	.655	16.6	.375	9.5
06	.375	9.5	.225	5.7	.715	18.2	.715	18.2	.375	9.5
07	.438	11.1	.263	6.7	.780	19.8	.780	19.8	.375	9.5
08	.500	12.7	.300	7.6	.840	21.3	.840	21.3	.375	9.5
09	.563	14.3	.375	9.5	.995	25.3	.995	25.3	.375	9.5
10	.625	15.9	.417	10.6	1.055	26.8	1.055	26.8	.445	11.3
11	.688	17.5	.459	11.7	1.120	28.4	1.120	28.4	.445	11.3
12	.750	19.1	.500	12.7	1.180	30.0	1.180	30.0	.445	11.3
13	.813	20.7	.542	13.8	1.245	31.6	1.245	31.6	.445	11.3
14	.875	22.2	.582	14.8	1.305	33.1	1.305	33.1	.445	11.3
15	.938	23.8	.625	15.9	1.370	34.8	1.370	34.8	.445	11.3
16	1.000	25.4	.667	16.9	1.430	36.3	1.430	36.3	.445	11.3

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Series 38 EMI Backshells

for Series 80 Mighty Mouse Connectors

380M*137 EMI Backshell, Spin Coupling

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

EMI. Low profile. Straight, 45°, and 90°. 380M*137backshell fits Glenair Series 80 Mighty Mouse connectors. For use with shielded cable. Fold cable braid over ground ring for 360° shielding. Cable clamp has stainless steel screws and lockwashers. Available in aluminum or stainless steel.

PART NUMBER

	380MS137	MT	13	08	-8

Base P/N

Base Part No.	Profile
380MS137	S Straight
380MB137	B 45°
380MA137	A 90°

Material/Finish

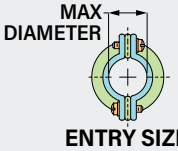
M	Alum/Electroless Nickel
MT	Alum/Nickel-PTFE
NF	Alum/Olive Drab Cadmium
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated

Shell Size

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	Min-Max Entry Size Profiles A B	Min-Max Entry Size Profile S
05	5	N/A	0.250-32	01-05	01-05
06	6	N/A	0.3125-32	01-06	01-08
11	N/A	8	0.3750-32	01-06	01-08
07	7	9	0.4375-28	01-08	01-09
08	8	10	0.500-28	03-10	02-10
09	9	11	0.5625-24	03-10	03-11
10	10	12	0.625-24	03-13	03-12
12	11, 12, 13	13	0.6875-24	04-13	04-12
13	N/A	15	0.750-20	04-13	05-13
14	14, 15, 16, 17	18, 19	0.9375-20	06-13	05-13
16	19	21	1.0625-18	08-13	06-13
17	21	23	1.1875-18	08-13	07-13

Entry Size

Entry Size	Max Dia (Closed)	Min-Max Shell Size Profiles A B	Min-Max Shell Size Profile S
01	.14 (3.6)	05-07	05-07
02	.20 (5.1)	05-07	05-08
03	.26 (6.6)	05-10	05-10
04	.33 (8.4)	05-13	05-12
05	.39 (9.9)	05-13	05-14
06	.45 (11.4)	06-14	06-16
07	.51 (13.0)	07-14	06-17
08	.58 (14.7)	07-17	06-17
09	.64 (16.3)	08-17	07-17
10	.70 (17.8)	08-17	08-17
11	.76 (19.3)	10-17	09-17
12	.89 (22.6)	10-17	10-17
13	1.02 (25.9)	10-17	13-17



ENTRY SIZE

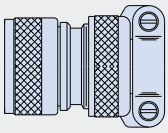
Length

Length Code	Length	Length Code	Length
5	.63 (16.0)	10	1.25 (31.8)
6	.75 (19.1)	12	1.50 (38.1)
8	1.00 (25.4)	16	2.00 (50.8)

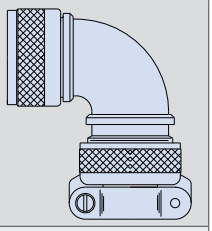
Length applies to Profile S (straight) only. in ⅛ inch increments.

PROFILE SELECTION GUIDE

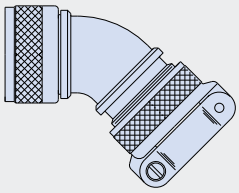
S Straight



A 90°

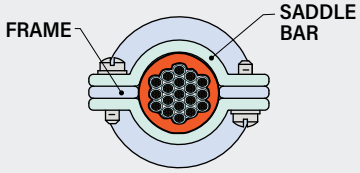


B 45°



APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully bottomed onto the frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp. See H dimension in Table 2 for the diameter of the fully bottomed saddles.



FULL RADIUS SADDLE CLAMP

SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

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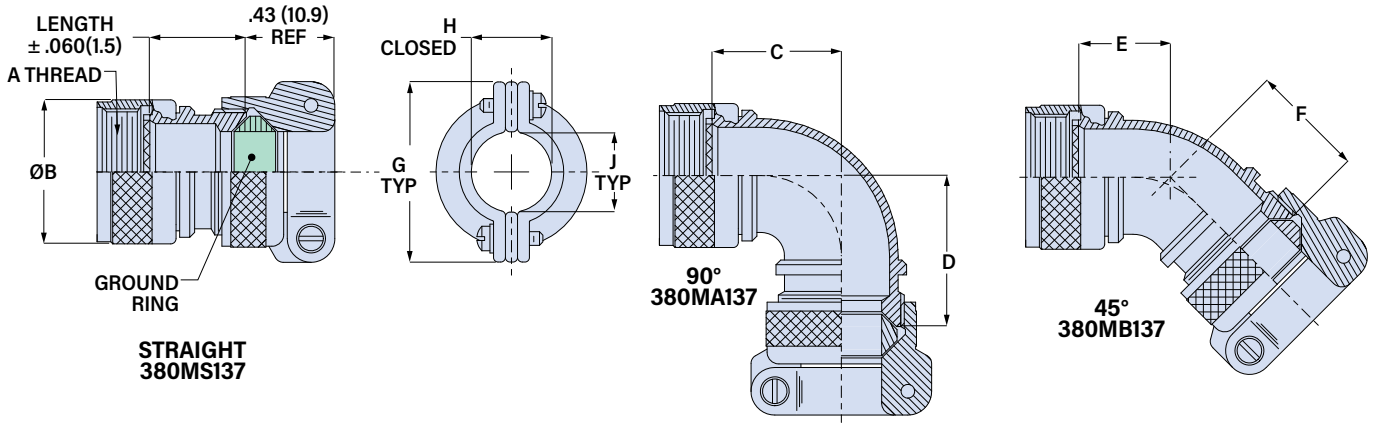
Series 38 EMI Backshells

for Series 80 Mighty Mouse Connectors

380M*137 EMI Backshell, Spin Coupling



Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	Min/Max Entry Size Profile A B Min	Profile A B Max	Profile S Min	Profile S Max
05	5	N/A	0.250-32	.470	11.9	01	05	01	05
06	6	N/A	0.3125-32	.530	13.5	01	06	01	08
11	N/A	8	0.3750-32	.570	14.5	01	06	01	08
07	7	9	0.4375-28	.637	16.2	01	08	01	09
08	8	10	0.500-28	.700	17.8	03	10	02	10
09	9	11	0.5625-24	.758	19.3	03	10	03	11
10	10	12	0.625-24	.819	20.8	03	13	03	12
12	11, 12, 13	13	0.6875-24	.896	22.8	04	13	04	12
13	N/A	15	0.750-20	.930	23.6	04	13	05	13
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9	06	13	05	13
16	19	21	1.0625-18	1.230	31.2	08	13	06	13
17	21	23	1.1875-18	1.387	35.2	08	13	07	13

Entry Size	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Typ. in	G Typ. mm	øH Closed ± .03 (0.8) in	øH Closed ± .03 (0.8) mm	øJ ± .03 (0.8) in	øJ ± .03 (0.8) mm	øK ± .015 (0.4) in	øK ± .015 (0.4) mm
01	.724	18.4	.702	17.8	.603	15.3	.581	14.8	.496	12.6	.11	2.8	.119	3.0	.398	10.1
02	.724	18.4	.702	17.8	.603	15.3	.581	14.8	.582	14.8	.17	4.3	.182	4.6	.460	11.7
03	.724	18.4	.702	17.8	.603	15.3	.581	14.8	.656	16.7	.23	5.8	.244	6.2	.523	13.3
04	.786	20.0	.764	19.4	.629	16.0	.607	15.4	.726	18.4	.30	7.6	.307	7.8	.585	14.9
05	.786	20.0	.764	19.4	.629	16.0	.607	15.4	.885	22.5	.36	9.1	.369	9.4	.647	16.4
06	.848	21.5	.826	21.0	.655	16.6	.633	16.1	.952	24.2	.42	10.7	.432	11.0	.710	18.0
07	.848	21.5	.826	21.0	.655	16.6	.633	16.1	1.018	25.9	.48	12.2	.494	12.5	.773	19.6
08	.911	23.1	.889	22.6	.707	18.0	.685	17.4	1.084	27.5	.55	14.0	.557	14.1	.835	21.2
09	.911	23.1	.889	22.6	.707	18.0	.685	17.4	1.148	29.2	.61	15.5	.619	15.7	.897	22.8
10	.973	24.7	.951	24.2	.733	18.6	.711	18.1	1.211	30.8	.67	17.0	.682	17.3	.959	24.4
11	.973	24.7	.951	24.2	.733	18.6	.711	18.1	1.273	32.3	.73	18.5	.744	18.9	1.021	25.9
12	1.036	26.3	1.014	25.8	.785	19.9	.763	19.4	1.400	35.6	.86	21.8	.869	22.1	1.083	27.5
13	1.098	27.9	1.076	27.3	.811	20.6	.789	20.0	1.539	39.1	.99	25.1	1.010	25.7	1.145	29.1

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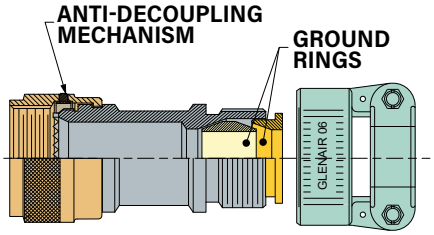
Series 38 EMI Backshells

for Series 806 Mil/Aero Connectors

380V*143 EMI Backshell, Self-Locking

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero Connectors



EMI shielding. Self-locking. Straight, 45° or 90°. 380V*143 backshells fit Glenair Series 806 connectors. Two ground rings for terminating individual and overall braid shields. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

PART NUMBER

	380VS143	ME	14	06	H	3

Base P/N

Base Part No.		Profile
380VS143	S	Straight
380VH143	H	45° Cut/Weld
380VJ143	J	90° Cut/Weld
380VM143	M	45° Full Radius
380VN143	N	90° Full Radius

Material/Finish

ME	Alum/Electroless Nickel
MT	Alum/Nickel-PTFE
NF	Alum/Olive Drab Cadmium
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated

Shell Size

08 09 10 11 12 14 16 18 20 22 24

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-24	16	.937 (23.8)	20-24
04	.312 (7.9)	09-24	20	1.250 (31.8)	-
06	.437 (11.1)	11-24	24	1.375 (34.9)	-
08	.562 (14.3)	14-24	28	1.625 (41.3)	-
10	.625 (15.9)	16-24	32	1.875 (47.6)	-
12	.750 (19.1)	18-24			

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

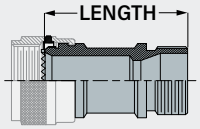
Strain Relief

H Saddle Clamp

Length

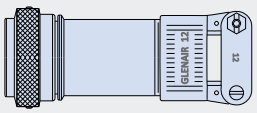
3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

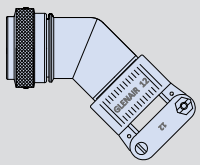


PROFILE SELECTION GUIDE

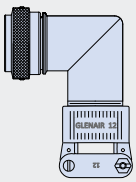
S Straight



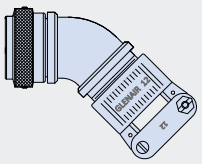
H 45°



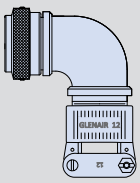
J 90°



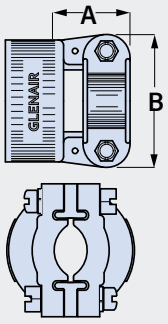
M 45°



N 90°



STRAIN RELIEF DIMENSIONS



Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

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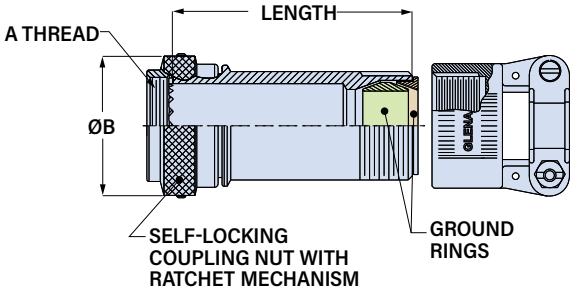
Series 38 EMI Backshells

for Series 806 Mil/Aero Connectors

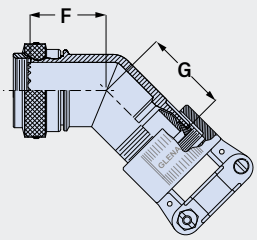
380V*143 EMI Backshell, Self-Locking



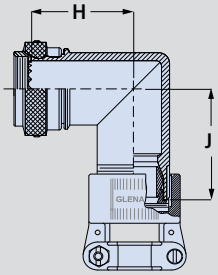
Shell Size	A Thread ISO Metric	øB Max. in	øB Max. mm	Max. Entry Size (1)
08	M10 x 1.0-6H	.642	16.31	03
09	M12 x 1.0-6H	.735	18.67	04
10	M14 x 1.0-6H	.786	19.96	04
11	M15 x 1.0-6H	.830	21.08	06
12	M17 x 1.0-6H	.911	23.14	06
14	M19 x 1.0-6H	1.002	25.45	08
16	M22 x 1.0-6H	1.149	29.18	10
18	M25 x 1.0-6H	1.264	32.11	12
20	M28 x 1.0-6H	1.394	35.41	16
22	M31 x 1.0-6H	1.513	38.43	16
24	M34 x 1.0-6H	1.631	41.43	16

(1) If the Entry Size exceeds "Max. Entry Size", a front adapter will be included. See "Maximum Entry Size" on this page.

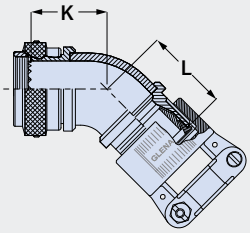
Profile H
Cut/Weld 45° Elbow



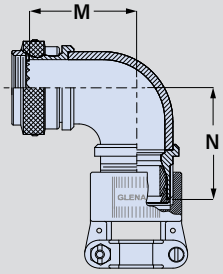
Profile J
Cut/Weld 90° Elbow



Profile M
Full Radius 45° Elbow



Profile N
Full Radius 90° Elbow



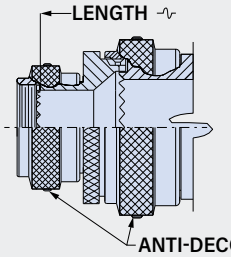
Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm
08	.62	15.8	.90	22.9	.79	20.1	1.08	27.4	.79	20.1	1.07	27.2	.94	23.9	1.23	31.2
09	.64	16.3	.93	23.6	.84	21.3	1.13	28.7	.79	20.1	1.07	27.2	.94	23.9	1.23	31.2
10	.67	17.0	.93	23.6	.84	21.3	1.18	30.0	.79	20.1	1.13	28.7	.97	24.6	1.32	33.5
11	.67	17.0	.97	24.6	.90	22.9	1.19	30.2	.79	20.1	1.13	28.7	.97	24.6	1.32	33.5
12	.70	17.8	.97	24.6	.90	22.9	1.24	31.5	.83	21.1	1.21	30.7	1.04	26.4	1.42	36.1
14	.72	18.3	1.00	25.4	.96	24.4	1.27	32.3	.83	21.1	1.21	30.7	1.04	26.4	1.42	36.1
16	.76	19.3	1.05	26.7	1.02	25.9	1.33	33.8	.84	21.3	1.28	32.5	1.08	27.4	1.52	38.6
18	.79	20.1	1.11	28.2	1.12	28.5	1.39	35.3	.89	22.6	1.36	34.5	1.14	29.0	1.62	41.2
20	.82	20.8	1.17	29.7	1.24	31.5	1.49	37.9	.92	23.4	1.43	36.3	1.21	30.7	1.71	43.4
22	.86	21.8	1.21	30.7	1.24	31.5	1.56	39.6	.95	24.1	1.49	37.9	1.28	32.5	1.81	46.0
24	.90	22.9	1.29	32.8	1.25	31.8	1.68	42.7	.98	24.5	1.55	39.4	1.33	33.8	1.91	48.5

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

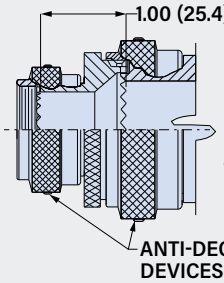
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	03	16	10
09	04	18	12
10	04	20	16
11	06	22	16
12	06	24	16
14	08		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the front adapter adds 1 inch to the length.

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Series 38 EMI Backshells

for Series 806 Mil/Aero Connectors

387V*243 EMI Backshell, Composite, Self-Locking

Self-Locking

Shielded. Corrosion proof. Self locking. 387V*243 backshell fits Glenair Series 806 connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Non-environmental. Available with electroless nickel, nickel-PTFE, or olive drab cadmium plating. Glass-reinforced thermoplastic, aluminum ground rings, telescoping stainless steel clamp screws.

Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

MATERIAL/FINISH

Coupling nut, saddles: glass-reinforced polyetherimide (PEI), unplated, black
Body and shield termination ring: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic
Ground rings: aluminum, finish per PN

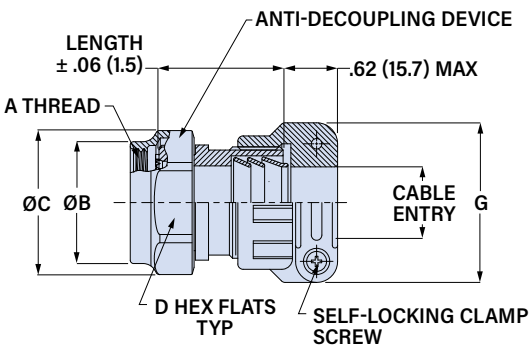
PART NUMBER

		387VS243	XM	14	10	-6
Base P/N	Base Part No. / Profile 387VS243 S Straight 387VW243 W 90° Elbow					
Body Finish	XM Electroless Nickel XMT Nickel-PTFE XW Olive Drab Cadmium XTZ Tin-Zinc *Coupling nut and saddle clamp are unplated.*					
Shell Size	08 09 10 11 12 14 16 18 20 22 24					
Entry Size	*See Table 1*					
Length	4 1.00 inches 5 1.25 inches 6 1.50 inches 8 2.0 inches *Length applies to Profile S (straight) only, in ¼ inch increments, 1.0 inch minimum.*					

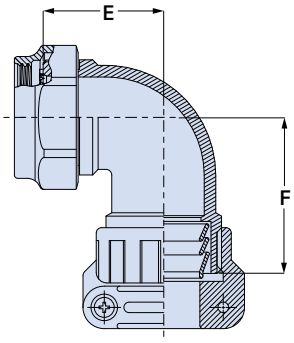
TABLE 1: ENTRY SIZE

Entry Size	Cable Entry ± .039 (1.0) in	mm	G Max. in	mm	Shell Size
04	.312	7.9	1.125	28.6	08-24
06	.437	11.1	1.250	31.8	10-24
08	.500	12.7	1.312	33.3	12-24
10	.625	15.9	1.438	36.5	14-24
12	.750	19.1	1.625	41.3	18-24
14	.874	22.2	1.688	42.9	20-24
16	.937	23.8	1.750	44.5	22-24
17	1.094	27.8	1.906	48.5	24

S Straight



W 90°



Shell Size	A Thread	øB Max in	mm	øC Max in	mm	D Flats in	mm	E ± .078(2.0) in	mm	F ± .078(2.0) in	mm	Max Entry Size
08	M10 x 1.0-6H	.65	16.5	.86	21.8	.75	19.1	.722	18.3	1.750	44.4	04
09	M12 x 1.0-6H	.65	16.5	.86	21.8	.75	19.1	.722	18.3	1.750	44.4	04
10	M14 x 1.0-6H	.77	19.6	.98	24.9	.88	22.2	.784	19.9	1.820	46.2	06
11	M15 x 1.0-6H	.77	19.6	.98	24.9	.88	22.2	.784	19.9	1.820	46.2	06
12	M17 x 1.0-6H	.89	22.6	1.16	29.5	1.00	25.4	.816	20.7	1.860	47.2	08
14	M19 x 1.0-6H	1.03	26.2	1.28	32.5	1.13	28.6	.878	22.3	1.880	47.8	10
16	M22 x 1.0-6H	1.03	26.2	1.28	32.5	1.13	28.6	.878	22.3	1.880	47.8	10
18	M25 x 1.0-6H	1.15	29.2	1.41	35.8	1.25	31.8	.942	23.9	1.942	49.3	12
20	M28 x 1.0-6H	1.28	32.5	1.52	38.6	1.38	34.9	1.003	25.5	2.000	50.8	14
22	M31 x 1.0-6H	1.41	35.8	1.64	41.7	1.50	38.1	1.037	26.3	2.062	52.4	16
24	M34 x 1.0-6H	1.53	38.9	1.77	45.0	1.63	41.3	1.116	28.3	2.194	55.7	17

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Series 38 EMI Backshells

for Series 970 PowerTrip® Connectors

380P*105 EMI Backshell, Self-Locking

Self-Locking

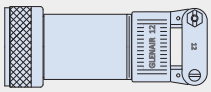
Adapter Code P

This accessory fits Glenair Series 970 PowerTrip Connectors

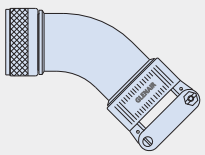
Shielded. Straight, 45° or 90°. 380P*105 backshell fits Glenair Series 970 PowerTrip connectors. Spin coupling, non-environmental. For use with shielded cable. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Two ground rings for terminating both individual and overall braid shields. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Available in aluminum or stainless steel.

PROFILE SELECTION GUIDE

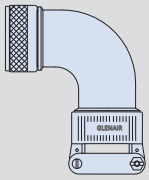
S Straight



M 45°



N 90°



PART NUMBER

	380PS105	ME	20	12	H	4

Base P/N

Base Part No.	Profile
380PS105	S Straight
380PM105	M 45° Full Radius
380PN105	N 90° Full Radius

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

18 20 24 28 32 36 40

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
04	.312 (7.9)	18-40	20	1.250 (31.8)	28-40
06	.437 (11.1)	18-40	24	1.375 (34.9)	28-40
08	.562 (14.3)	18-40	28	1.625 (41.3)	32-40
10	.625 (15.9)	18-40	32	1.875 (47.6)	36-40
12	.750 (19.1)	18-40	40	2.375 (60.3)	-
16	.937 (23.8)	20-40			

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See Maximum Entry Size for details.*

Strain Relief

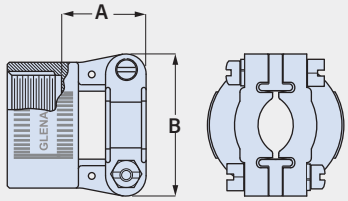
H Saddle Clamp

Length

6	3 inches
8	4 inches
10	5 inches
12	6 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 4 inch minimum applies.

STRAIN RELIEF DIMENSIONS



	A Max		B Max		Cable Range Min		Cable Range Max	
Entry Size	in	mm	in	mm	in	mm	in	mm
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6

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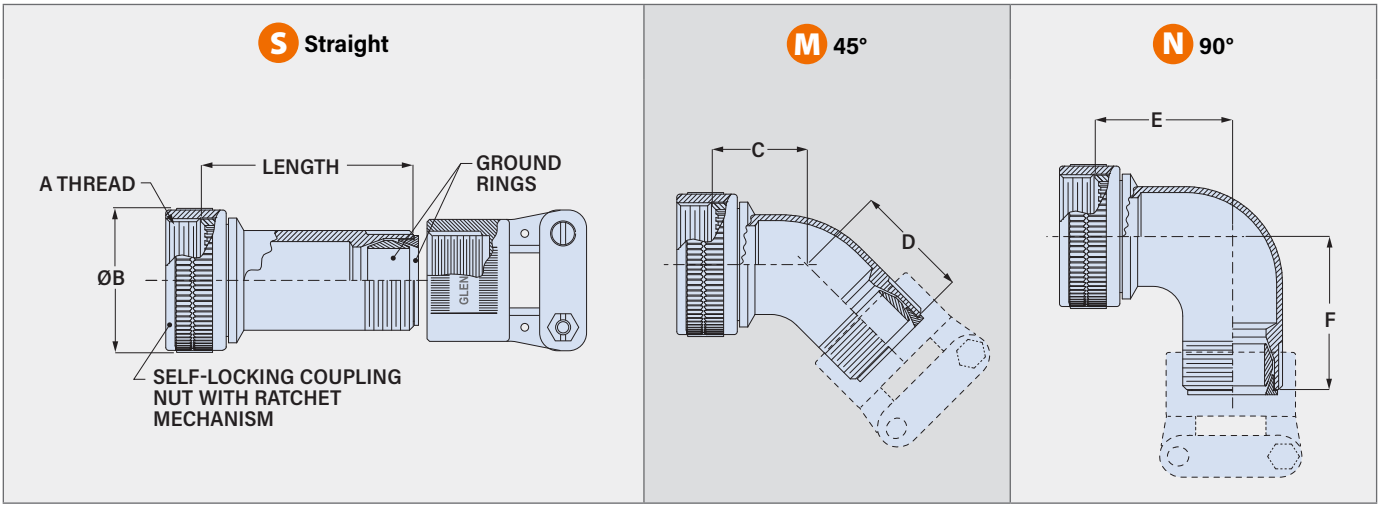
Series 38 EMI Backshells

for Series 970 PowerTrip® Connectors

380P*105 Spin Coupling, Self-Locking



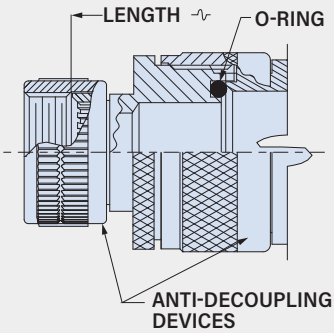
Shell Size	A Thread	ø B Max. in	ø B Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	Max. Entry Size
18	1.125-18 UNEF-2B	1.39	35.3	1.250	31.8	1.156	29.4	1.906	48.4	1.812	46.0	12
20	1.250-18 UNEF-2B	1.53	38.9	1.312	33.3	1.219	31.0	2.031	51.6	1.938	49.2	16
24	1.4375-18 UNEF-2B	1.72	43.7	1.46	35.7	1.312	33.3	2.281	57.9	2.188	55.6	16
28	1.8125-16 UN-2B	2.13	54.1	1.500	38.1	1.625	41.3	2.531	64.3	2.625	66.7	24
32	2.0625-16 UNS-2B	2.35	59.7	1.675	42.5	1.945	49.4	2.625	66.7	2.895	73.5	28
36	2.250-16 UN-2B	2.59	65.8	1.799	45.7	2.069	52.6	2.875	73.0	3.145	79.9	32
40	2.500-16 UN-2B	2.87	70.6	1.861	47.3	2.131	54.1	3.025	76.8	3.295	83.7	32

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

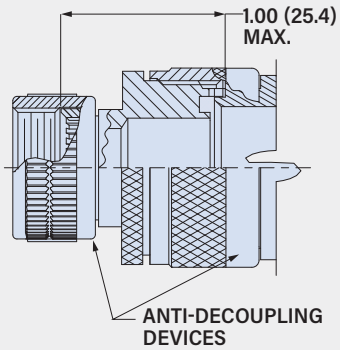
Shell Size	Maximum Entry Size
18	12
20	16
24	16
28	24
32	28
36	32
40	32

Style 2 Straight Backshell



Profile S straight backshell minimum length code is 8 (4 inches).

Style 2 45° and 90° Backshells



For Profile M and N 45° and 90° backshells, the length increases by 1 inch.

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Series 39 EMI+Environmental Backshells

Selection Guide

Series 39 EMI+Environmental Backshells

Series 39 EMI+Environmental Backshells protect wiring harnesses from EMI/RFI interference and water ingress. Type F dual ground rings accept individual and overall braid shields. Type H heavy duty saddle clamp has telescoping stainless steel screws, or choose low profile gland nut. Silicone grommet compresses onto cable jacket for watertight seal.

Adapter Code A
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

EMI+Environmental Backshell, Spin Coupling
390A*053
Page 39-2

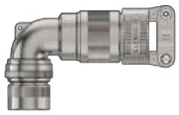
EMI+Environmental Backshell, Self-Locking
390A*055
Page 39-4

EMI+Environmental Backshell, Composite
390A*052
Page 39-6

Adapter Code B
AS50151 Solder

EMI+Environmental Backshell, Direct Coupling
390B*002
Page 39-7

Adapter Code D
MIL-DTL-26482 Series I

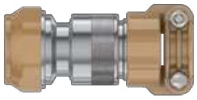


EMI+Environmental Backshell, Direct Coupling
390D*002
Page 39-9

Adapter Code F
MIL-DTL-38999 Series I and II

EMI+Environmental Backshell, Spin Coupling
390F*053
Page 39-11

EMI+Environmental Backshell, Self-Locking
390F*055
Page 39-13

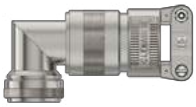


EMI+Environmental Backshell, Composite
390F*052
Page 39-15

Adapter Code G
MIL-DTL-28840

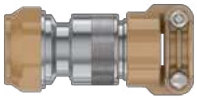
EMI+Environmental Backshell, Spin Coupling
390G*013
Page 39-21

Adapter Code H
MIL-DTL-38999 Series III and IV



EMI+Environmental Backshell, Spin Coupling
390H*053
Page 39-16

EMI+Environmental Backshell, Self-Locking
390H*055
Page 39-18



EMI+Environmental Backshell, Composite
390H*052
Page 39-20

Adapter Code P
Series 970 PowerTrip

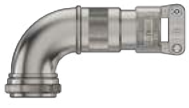
EMI+Environmental Backshell, Self-Locking
390P*055
Page 39-28

Adapter Code M
Series 80 Mighty Mouse

EMI+Environmental Backshell, Direct Coupling
390MS076
Page 39-23

EMI+Environmental Backshell, Spin Coupling
390M*077
Page 39-24

Adapter Code V
Series 806 Mil-Aero



EMI+Environmental Backshell, Self-Locking
390V*091
Page 39-26

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Series 39 EMI+Environmental Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

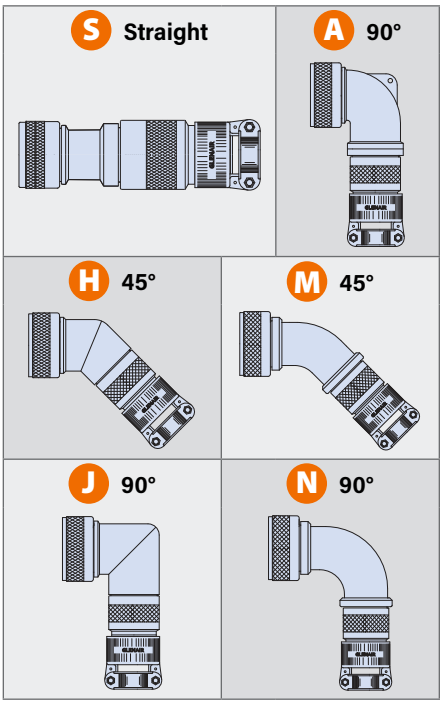
390A*053 EMI+Environmental Backshell, Spin Coupling

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Shielded. Environmental. 390A*053 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Spin coupling. Two ground rings for terminating individual and overall braid shields. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-ring and cable grommet.

PROFILE SELECTION GUIDE



PART NUMBER

	390AS053	NF	18	10	H	3

Base P/N

Base Part No.		Profile	Shell Size
390AS053	S	Straight	08-28
390AA053	A	90° Low Profile	08-28
390AH053	H	45° Cut/Weld	08-24
390AJ053	J	90° Cut/Weld	08-24
390AM053	M	45° Full Radius	08-28
390AN053	N	90° Full Radius	08-28

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

08 10 12 14 16 18 20 22 24 28

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-28	16	.937 (23.8)	22-28
04	.312 (7.9)	10-28	20	1.250 (31.8)	28
06	.437 (11.1)	12-28	24	1.375 (34.9)	28
08	.562 (14.3)	14-28	28	1.625 (41.3)	-
10	.625 (15.9)	16-28	32	1.875 (47.6)	-
12	.750 (19.1)	18-28			

* *If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

Strain Relief

H	Saddle Clamp
D	Nut

Saddle Clamp

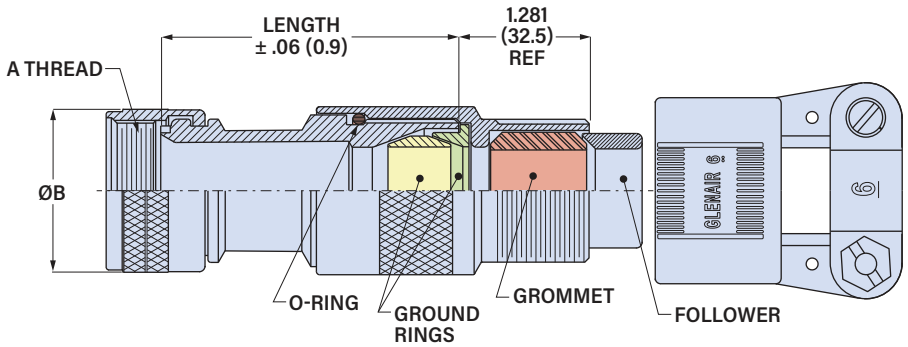
Nut

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.94	23.9
14	0.875-20 UNEF	1.07	27.2
16	1.000-20 UNEF	1.21	30.7
18	1.0625-18 UNEF	1.23	31.2
20	1.1875-18 UNEF	1.36	34.5
22	1.3125-18 UNEF	1.48	37.6
24	1.4375-18 UNEF	1.73	43.9
28	1.750-18 UNS	1.97	50.0



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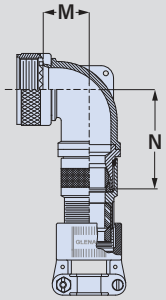
Series 39 EMI+Environmental Backshells

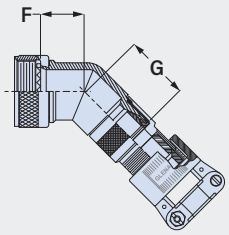
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

390A*053 EMI+Environmental Backshell, Spin Coupling

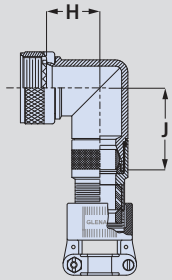
Profile A — Standard 90° Elbow



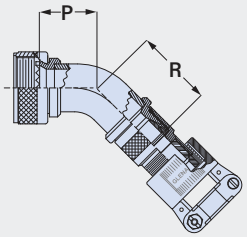
Profile H — Cut/Weld 45° Elbow



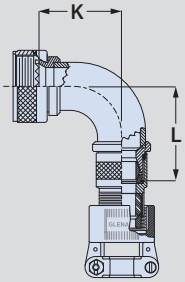
Profile J — Cut/Weld 90° Elbow



Profile M — Full Radius 45° Elbow

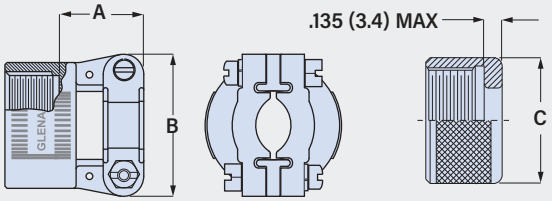


Profile N — Full Radius 90° Elbow



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm
08	.639	16.2	1.031	26.2	.750	19.1	1.157	29.4	1.125	28.6	1.287	32.7	.500	12.7	1.420	36.1	.812	20.6	1.095	27.8
10	.664	16.9	1.063	27.0	.810	20.6	1.217	30.9	1.250	31.8	1.411	35.8	.595	15.1	1.540	39.1	.875	22.2	1.145	29.1
12	.688	17.5	1.094	27.8	.870	22.1	1.277	32.4	1.375	34.9	1.537	39.0	.610	15.5	1.560	39.6	.938	23.8	1.195	30.4
14	.705	17.9	1.119	28.4	.920	23.4	1.347	34.2	1.500	38.1	1.761	44.7	.700	17.8	2.154	54.7	1.000	25.4	1.245	31.6
16	.732	18.6	1.147	29.1	.980	24.9	1.407	35.7	1.625	41.3	1.787	45.4	.885	22.5	2.244	57.0	1.062	27.0	1.300	33.0
18	.748	19.0	1.157	29.4	1.020	25.9	1.427	36.2	1.750	44.5	1.911	48.5	.975	24.8	2.414	61.3	1.094	27.8	1.350	34.3
20	.773	19.6	1.177	29.9	1.080	27.4	1.487	37.8	1.875	47.6	2.037	51.7	.975	24.8	2.414	61.3	1.156	29.4	1.400	35.6
22	.800	20.3	1.217	30.9	1.140	29.0	1.567	39.8	2.000	50.8	2.161	54.9	1.125	28.6	2.587	65.7	1.188	30.2	1.455	37.0
24	.823	20.9	1.247	31.7	1.200	30.5	1.637	41.6	2.125	54.0	2.287	58.1	1.125	28.6	2.587	65.7	1.250	31.8	1.505	38.1
28	-	-	-	-	-	-	-	-	2.375	60.3	2.594	65.9	1.225	31.1	2.740	69.6	1.344	34.1	1.594	40.5

STRAIN RELIEF DIMENSIONS



Saddle Clamp **Nut**

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

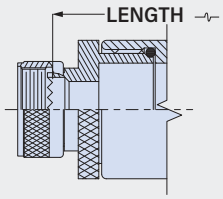
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

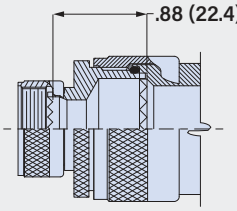
Shell Size	Maximum Entry Size
08	03
10	04
12	06
14	08
16	10
18	12
20	12
22	16
24	16
28	24

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 39 EMI+Environmental Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

390A*055 EMI+Environmental Backshell, Self-Locking

Self-Locking

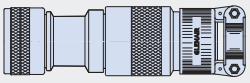
Shielded. Environmental. Self-locking. 390A*055 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Two ground rings for terminating individual and overall braid shields. Environmentally protected with O-rings and cable grommet. Two strain relief options: saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight cable seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings and grommet.

Adapter Code A

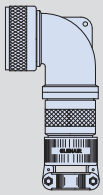
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

PROFILE SELECTION GUIDE

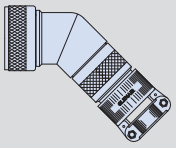
S Straight



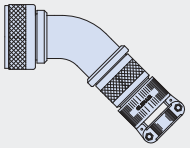
A 90°



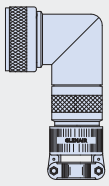
H 45°



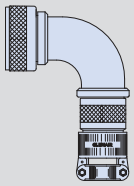
M 45°



J 90°



N 90°



PART NUMBER

390AS055	NF	18	10	H	3

Base P/N

Base Part No.		Profile
390AS055	S	Straight
390AA055	A	90° Low Profile
390AH055	H	45° Cut/Weld
390AJ055	J	90° Cut/Weld
390AM055	M	45° Full Radius
390AN055	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

08 10 12 14 16 18 20 22 24 28 32

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-32	16	.937 (23.8)	22-32
04	.312 (7.9)	10-32	20	1.250 (31.8)	28-32
06	.437 (11.1)	12-32	24	1.375 (34.9)	28-32
08	.562 (14.3)	14-32	28	1.625 (41.3)	32
10	.625 (15.9)	16-32	32	1.875 (47.6)	-
12	.750 (19.1)	18-32			

* *If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details. .*

Strain Relief

H	Saddle Clamp
D	Nut

Saddle Clamp

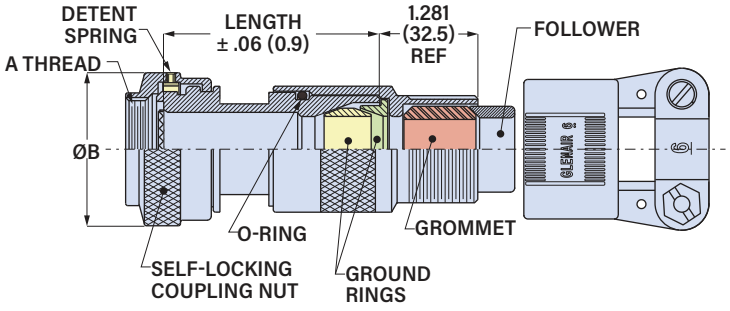
Nut

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.69	17.5
10	0.625-24 UNEF	.82	20.8
12	0.750-20 UNEF	.94	23.8
14	0.875-20 UNEF	1.06	26.9
16	1.000-20 UNEF	1.17	29.7
18	1.0625-18 UNEF	1.46	37.1
20	1.1875-18 UNEF	1.60	40.6
22	1.3125-18 UNEF	1.70	43.2
24	1.4375-18 UNEF	1.84	46.7
28	1.750-18 UNS	2.01	51.1
32	2.000-18 UNS	2.26	57.4



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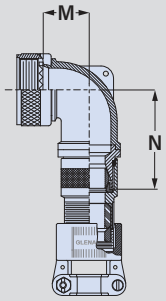
Series 39 EMI+Environmental Backshells

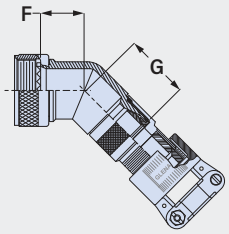
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

390A*055 EMI+Environmental Backshell, Self-Locking

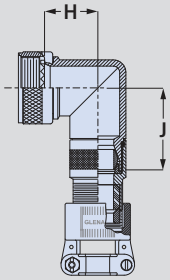
Profile A — Standard 90° Elbow



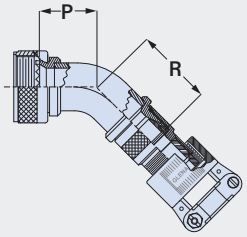
Profile H — Cut/Weld 45° Elbow



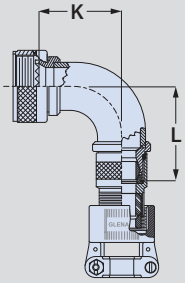
Profile J — Cut/Weld 90° Elbow



Profile M — Full Radius 45° Elbow

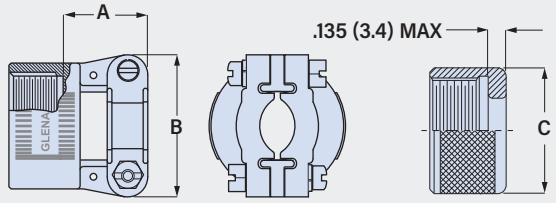


Profile N — Full Radius 90° Elbow



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm
08	.795	20.2	1.031	26.2	.906	23.0	1.157	29.4	1.281	32.5	1.287	32.7	.655	16.6	1.880	47.8	.968	24.6	1.095	27.8
10	.820	20.8	1.063	27.0	.966	24.5	1.217	30.9	1.406	35.7	1.411	35.8	.750	19.1	1.990	50.5	1.031	26.2	1.145	29.1
12	.844	21.4	1.094	27.8	1.026	26.1	1.277	32.4	1.531	38.9	1.537	39.0	.765	19.4	2.020	51.3	1.094	27.8	1.195	30.4
14	.961	21.9	1.119	28.4	1.076	27.3	1.347	34.2	1.656	42.1	1.761	44.7	.855	21.7	2.154	54.7	1.156	29.4	1.245	31.6
16	.888	22.6	1.147	29.1	1.136	28.9	1.407	35.7	1.781	45.2	1.787	45.4	1.040	26.4	2.244	57.0	1.218	30.9	1.300	33.0
18	.904	23.0	1.157	29.4	1.176	29.9	1.427	36.2	1.906	48.4	1.911	48.5	1.130	28.7	2.414	61.3	1.250	31.8	1.350	34.3
20	.929	23.6	1.177	29.9	1.236	31.4	1.487	37.8	2.031	51.6	2.037	51.7	1.130	28.7	2.414	61.3	1.312	33.3	1.400	35.6
22	.956	24.3	1.217	30.9	1.296	32.9	1.567	39.8	2.156	54.8	2.161	54.9	1.280	32.5	2.587	65.7	1.344	34.1	1.455	37.0
24	.979	24.9	1.247	31.7	1.356	34.4	1.637	41.6	2.281	57.9	2.287	58.1	1.280	32.5	2.587	65.7	1.406	35.7	1.505	38.1
28	1.197	30.1	1.387	35.2	1.422	36.2	1.777	45.1	2.594	65.9	2.594	65.9	1.380	34.3	2.740	69.6	1.594	40.5	1.594	40.5
32	1.280	32.5	1.527	38.8	1.545	39.2	1.917	48.7	2.907	73.8	2.901	73.7	1.760	44.7	2.990	76.0	1.782	45.3	1.693	43.0

STRAIN RELIEF DIMENSIONS



Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

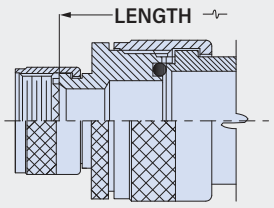
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

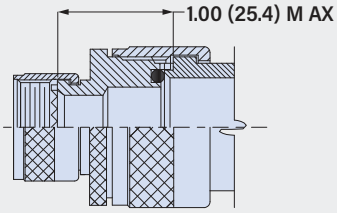
Shell Size	Maximum Entry Size
08	03
10	04
12	06
14	08
16	10
18	12
20	12
22	16
24	16
28	24
32	28

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by 1.00 inches.

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Series 39 EMI+Environmental Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

390A*052 EMI+Environmental Backshell, Composite, Self-Locking

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Shielded. Environmental. Composite. Self-locking. 390A*052 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Environmental. Cone and ring braid shield termination. Available with electroless nickel, nickel-PTFE, or olive drab cadmium plating. Glass-reinforced thermoplastic, telescoping stainless steel clamp screw .

MATERIAL/FINISH

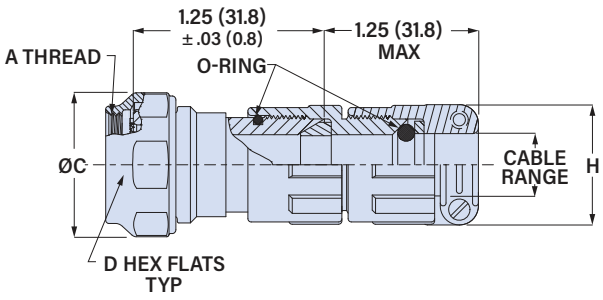
Coupling nut, saddles: glass-reinforced polyetherimide (PEI), unplated, amber color
Body and shield termination ring: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

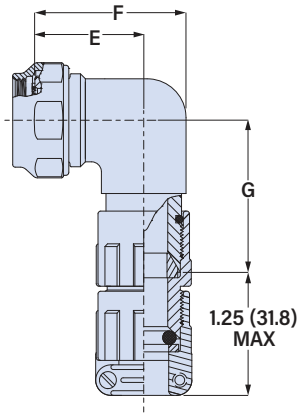
	390AW052	XM	16	12	C

Base P/N	**Base Part No.**	**Profile**	**Shell Size**
	390AS052 (S)	Straight	08-28
	390AT052 (T)	45° Elbow	08-24
	390AW052 (W)	90° Elbow	08-28
Body Finish	XM	Electroless Nickel	*Coupling nut and saddle clamp are unplated.*
	XMT	Nickel-PTFE	
	XW	Olive Drab Cadmium	
	XTZ	Tin-Zinc	
Shell Size	08 10 12 14 16 18 20 22 24 28		
Entry Size	*See Table 1*		
Strain Relief Type	C	Saddle Clamp	

S Straight



W 90°



T 45°

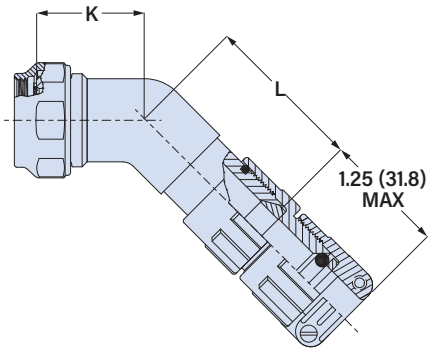


TABLE 1: ENTRY SIZE

Entry Size	Cable Diameter in Min.	in Max.	mm Min.	mm Max.	H Max. in	H Max. mm	Shell Size
10	.13	.25	3.3	6.4	1.00	25.4	08-28
12	.25	.38	6.4	9.7	1.23	31.2	10-28
14	.31	.44	7.9	11.2	1.34	34.0	12-28
16	.50	.63	12.7	15.9	1.47	37.3	14-28
18	.56	.69	14.2	17.5	1.56	39.6	16-28
20	.63	.75	16.0	19.1	1.62	41.1	16-28
22	.75	.88	19.1	22.2	1.75	44.5	20-28
24	.88	1.00	22.4	25.4	1.87	47.5	22-28
28	1.00	1.13	25.4	28.6	1.97	50.0	24-28
32	1.13	1.25	28.6	31.8	2.08	52.8	28

Shell Size	A Thread Class 2B	øC Max in	øC Max mm	D Flats in	D Flats mm	E ±.06(1.5) in	E ±.06(1.5) mm	F ±.09(2.3) in	F ±.09(2.3) mm	G ±.09(2.3) in	G ±.09(2.3) mm	K ±.06(1.5) in	K ±.06(1.5) mm	L ±.06(1.5) in	L ±.06(1.5) mm	Max Entry Size
08	0.500-20 UNF	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	27.0	.72	18.3	.88	22.4	10
10	0.625-24 UNEF	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	.75	19.1	.94	23.9	12
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	.75	19.1	1.00	25.4	14
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.25	31.8	.76	19.3	1.03	26.2	16
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.31	33.3	.78	19.8	1.06	26.9	20
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.34	34.0	.79	20.1	1.07	27.2	20
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.44	36.6	.82	20.8	1.09	27.7	22
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.50	38.1	.86	21.8	1.14	29.0	24
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.56	39.6	.92	23.4	1.17	29.7	28
28	1.750-18 UNS	2.16	54.9	2.000	50.8	1.34	34.0	2.13	54.1	1.66	42.2	.92	23.4	1.19	30.2	32

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Series 39 EMI+Environmental Backshells

for AS50151 Solder Connectors

390B*002 EMI+Environmental Backshell, Direct Couple

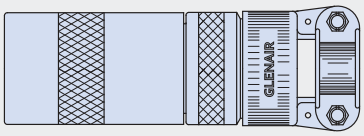
Straight, 45° or 90°. Cone and ring shield termination. 380B*002 backshell fits AS50151 (MS3100) solder connectors. Direct coupling. For use with shielded jacketed cable. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel.

Adapter Code B

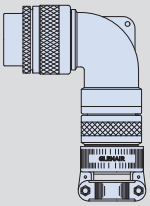
Fits AS50151 Series 1 AN Type solder Connectors . AS310*1, MS3100.

PROFILE SELECTION GUIDE

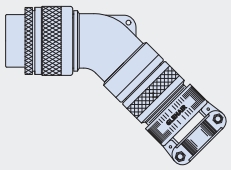
S Straight



A 90°



B 45°



PART NUMBER

	390B S002	ZR	15	08	H	3	A

Base P/N

390BS002	S Straight
390BA002	A 90° Elbow
390BB002	B 45° Elbow

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profile S only)*

Shell Size

Code	Shell Size	Code	Shell Size
05	10S	20	22
08	10SL	21	24
11	12, 12S	22	28
14	14, 14S	23	32
15	16, 16S	26	36
16	18	31	40
17	20		

Entry Size — *See Table 1*

Strain Relief — H Saddle Clamp

Length

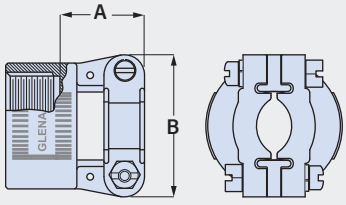
3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

Connector Manufacturer Code — A Universal

Compatible with all manufacturers. Includes additional thread adapter(s) as necessary to fit multiple manufacturers. See following page for thread dimensions.

TABLE 1: ENTRY SIZE



Saddle Clamp

Entry Size	A Max in	A Max mm	B Max in	B Max mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm	Profile S Shell Size Range(1)
04	.780	19.8	.957	24.3	.125	3.2	.312	7.9	10S-40
06	.780	19.8	1.145	29.1	.250	6.4	.437	11.1	10SL-40
08	.780	19.8	1.332	33.8	.312	7.9	.562	14.3	14-40
10	.780	19.8	1.332	33.8	.350	8.9	.625	15.9	14-40
12	.811	20.6	1.551	39.4	.500	12.7	.750	19.1	16-40
16	.905	23.0	1.770	45.0	.625	15.9	.937	23.8	20-40
20	1.092	27.7	2.113	53.7	.875	22.2	1.250	31.8	24-40
24	1.124	28.5	2.363	60.0	1.000	25.4	1.375	34.9	28-40
28	1.399	35.5	2.770	70.4	1.250	31.8	1.625	41.3	32-40
32	1.399	35.5	3.020	76.7	1.437	36.5	1.875	47.6	40

(1) If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See next page.

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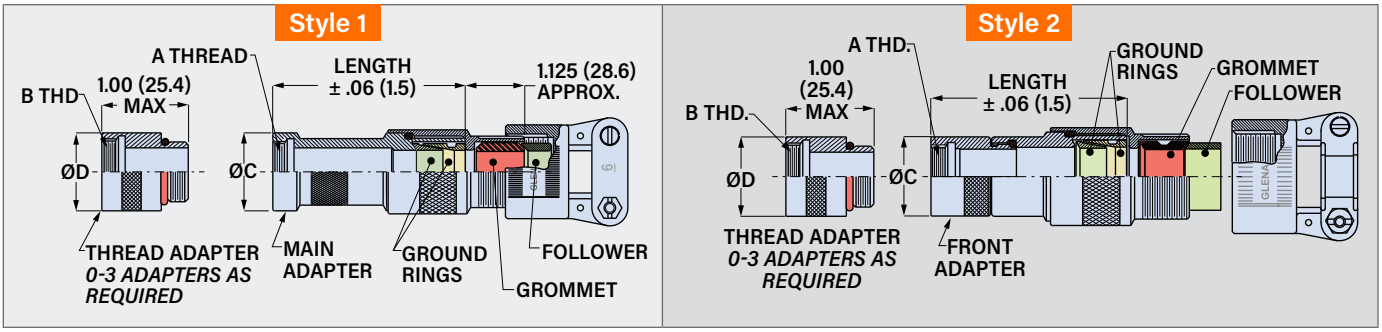
Series 39 EMI+Environmental Backshells

for AS50151 Solder Connectors

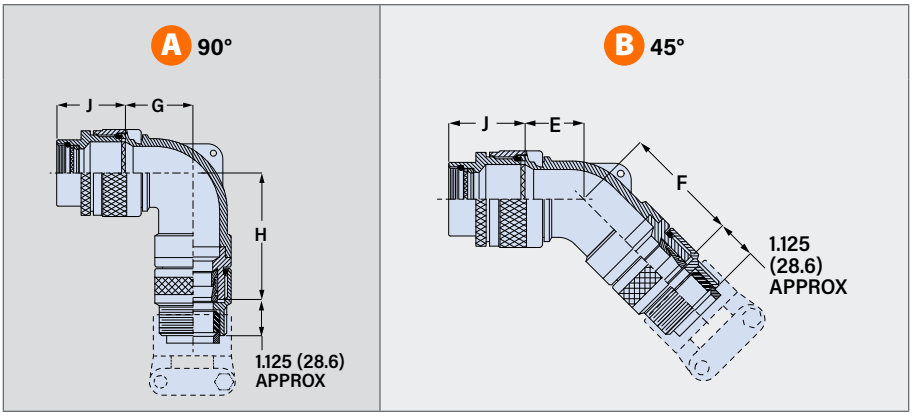
390B*002 EMI+Environmental Backshell, Direct Coupling



Shell Size Code	Shell Size	A Class 2B	B Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm	Max. Entry Size (1)
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4	04
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4	06
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6	06
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A	10
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A	10
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A	12
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3	16
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A	16
21	24	1.3750-18 UNEF	N/A	1.468	37.3	N/A	N/A	20
22	28	1.6250-18 UNEF	N/A	1.593	40.5	N/A	N/A	24
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4	28
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7	28
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1	32

Notes

1) "**Max. Entry Size**" applies only to straight profile backshells. If the selected entry size is larger than the maximum entry shown in the table, a ***Style 2*** front adapter will be included.



Shell Size Code	Shell Size	J Max in	J Max mm
05	10S	1.180	30.0
08	10SL	1.180	30.0
11	12, 12S	1.180	30.0
14	14, 14S	1.180	30.0
15	16, 16S	1.380	35.1
16	18	1.380	35.1
17	20	1.380	35.1
20	22	1.380	35.1
21	24	1.380	35.1
22	28	1.610	40.9
23	32	1.610	40.9
26	36	1.610	40.9
31	40	1.610	40.9

Entry Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
04	.630	16.0	2.117	53.8	.636	16.2	2.067	52.5
06	.630	16.0	2.117	53.8	.710	18.0	2.187	55.5
08	.692	17.6	2.179	55.3	.731	18.6	2.207	56.1
10	.755	19.2	2.862	72.7	.825	21.0	2.867	72.8
12	.848	21.5	2.972	75.5	.988	25.1	2.957	75.1
16	1.036	26.3	3.159	80.2	1.087	27.6	3.132	79.6
20	1.130	28.7	3.368	85.5	1.325	33.7	3.303	83.9
24	1.255	31.9	3.408	86.6	1.337	34.0	3.453	87.7
28	1.317	33.5	3.553	90.2	1.827	46.4	3.703	94.1
32	1.348	34.2	3.646	92.6	2.027	51.5	2.753	69.9

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Series 39 EMI+Environmental Backshells

for MIL-DTL-26482 Series I Connectors

390D*002 EMI+Environmental Backshell, Direct Coupling

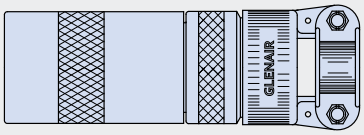
Adapter Code D

This accessory fits MIL-DTL-26482 Series I connectors

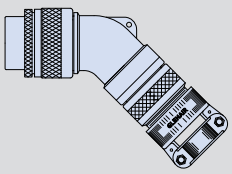
EMI. Environmental. Direct coupling. 390D*002 backshell fits MIL-DTL-26482 Series I connectors. Direct coupling, environmentally sealed with O-rings and cable grommet. For use with shielded jacketed cable. Cone and ring shield termination. Two strain relief options: saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-ring and grommet.

PROFILE SELECTION GUIDE

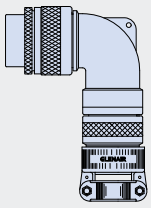
S Straight



B 45°



A 90°



PART NUMBER

	390DS002	NF	12	04	H	3
Base P/N	**390DS002** S Straight **390DA002** A 90° Elbow **390DB002** B 45° Elbow					
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated *(Profile S only)*					
Shell Size	**08 10 12 14 16 18 20 22 24**					
Entry Size	*See Table 1*					
Strain Relief	**H** Saddle Clamp **D** Nut					
Length	**4** 2.0 inches **5** 2.5 inches **6** 3.0 inches **8** 4.0 inches					

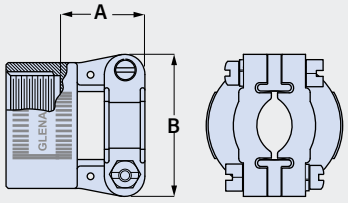
Saddle Clamp

Nut

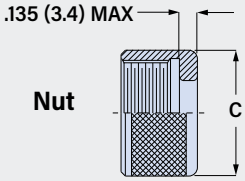
Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2.5 inch minimum applies.

TABLE 1: ENTRY SIZE

Saddle Clamp



Nut



Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm	Profile S Shell Size Range(1)
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9	08-24
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1	10-24
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3	12-24
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9	14-24
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1	16-24
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8	18-24
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8	24
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9	
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3	
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6	

(1) If selected entry size exceeds shell size range, a Style 2 transition adapter will be included (profile S only).

Series 39 EMI+Environmental Backshells

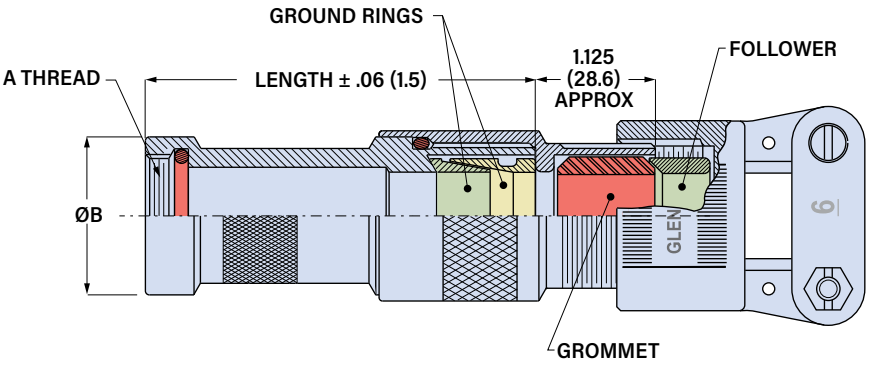
for MIL-DTL-26482 Series I Connectors

390D*002 EMI+Environmental Backshell, Direct Coupling

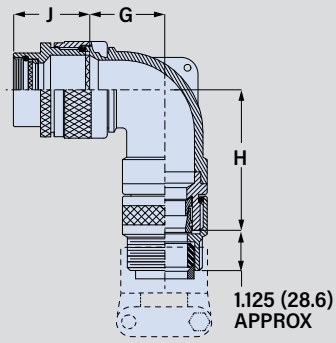
Shell Size	A Thread UNEF-2B	øB Max. in	øB Max. mm	J Max. in	J Max. mm	Max. Entry Size (1)
08	0.4375-28	.59	15.0	1.25	31.8	04
10	0.5625-24	.72	18.3	1.25	31.8	06
12	0.6875-24	.84	21.3	1.25	31.8	08
14	0.8125-20	.97	24.6	1.25	31.8	10
16	0.9375-20	1.09	27.7	1.56	39.6	12
18	1.0625-18	1.22	31.0	1.56	39.6	16
20	1.1875-18	1.34	34.0	1.56	39.6	16
22	1.3125-18	1.47	37.3	1.56	39.6	16
24	1.4375-18	1.59	40.4	1.56	39.6	20

1) "***Max. Entry Size***" applies only to straight profile backshells. If the selected entry size is larger than the size shown in the table, a ***Style 2*** front adapter will be included.

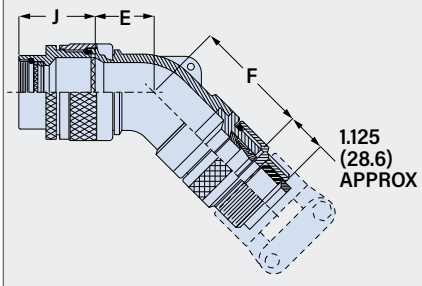
S Straight



A 90°



B 45°



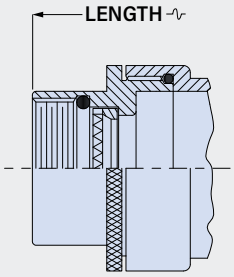
Entry Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
04	.630	16.0	2.117	53.8	.636	16.2	2.067	52.5
06	.630	16.0	2.117	53.8	.710	18.0	2.187	55.5
08	.692	17.6	2.179	55.3	.731	18.6	2.207	56.1
10	.755	19.2	2.862	72.7	.825	21.0	2.867	72.8
12	.848	21.5	2.972	75.5	.988	25.1	2.957	75.1
16	1.036	26.3	3.159	80.2	1.087	27.6	3.132	79.6
20	1.130	28.7	3.368	85.5	1.325	33.7	3.303	83.9
24	1.255	31.9	3.408	86.6	1.337	34.0	3.453	87.7
28	1.317	33.5	3.553	90.2	1.827	46.4	3.703	94.1
32	1.348	34.2	3.646	92.6	2.027	51.5	3.753	95.3

MAXIMUM ENTRY SIZE

"Maximum Entry Size" applies to Profile S straight only. If the entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell. The minimum length increases from 2 inches to 2.5 inches.

Shell Size	Maximum Entry Size
08	04
10	06
12	08
14	10
16	12
18	16
20	16
22	16
24	20

Style 2 Backshell



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Series 39 EMI+Environmental Backshells

for MIL-DTL-38999 Ser. I/II Connectors

390F*053 EMI+Environmental Backshell, Spin Coupling

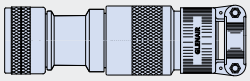
Shielded. Environmental. Spin coupling. 390F*053 backshell fits MIL-DTL-38999 Series I and II connectors. Spin coupling. Two ground rings for terminating individual and overall braid shields. Environmentally protected with O-rings and cable grommet. For use with shielded jacketed cable. Cone and ring shield termination. Two strain relief options: saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings and grommet.

Adapter Code F

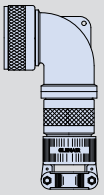
This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

PROFILE SELECTION GUIDE

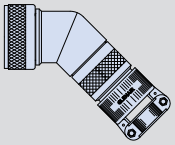
S Straight



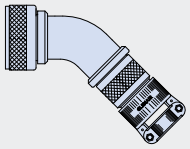
A 90°



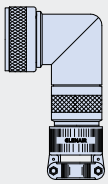
H 45°



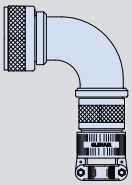
M 45°



J 90°



N 90°



PART NUMBER

390FS053	NF	18	10	H	3

Base P/N

Base Part No.		Profile
390FS053	S	Straight
390FA053	A	90° Low Profile
390FH053	H	45° Cut/Weld
390FJ053	J	90° Cut/Weld
390FM053	M	45° Full Radius
390FN053	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-24	16	.937 (23.8)	20-24
04	.312 (7.9)	10-24	20	1.250 (31.8)	24
06	.437 (11.1)	12-24	24	1.375 (34.9)	-
08	.562 (14.3)	14-24	28	1.625 (41.3)	-
10	.625 (15.9)	14-24	32	1.875 (47.6)	-
12	.750 (19.1)	16-24			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See ***Maximum Entry Size*** for details.

Strain Relief

H	Saddle Clamp
D	Nut

Saddle Clamp

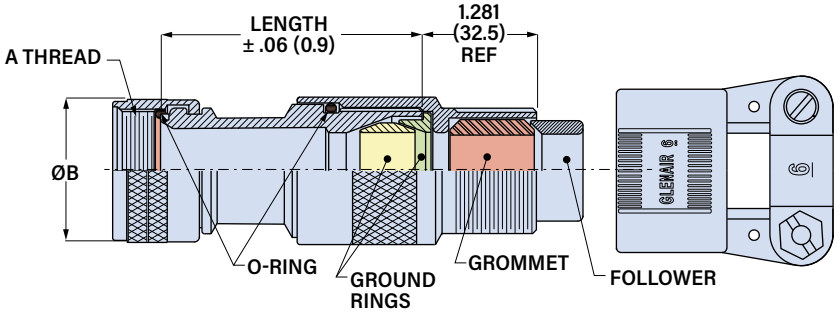
Nut

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.650	16.5
10/11	0.5625-24	.770	19.6
12/13	0.6875-24	.890	22.6
14/15	0.8125-20	1.020	25.9
16/17	0.9375-20	1.150	29.2
18/19	1.0625-18	1.230	31.2
20/21	1.1875-18	1.360	34.5
22/23	1.3125-18	1.480	37.6
24/25	1.4375-18	1.730	43.9



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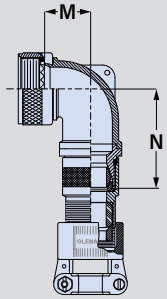
Series 39 EMI+Environmental Backshells

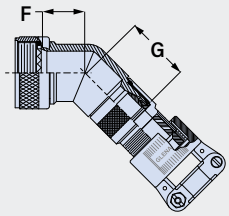
for MIL-DTL-38999 Ser. I/II Connectors

390F*053 EMI+Environmental Backshell, Spin Coupling

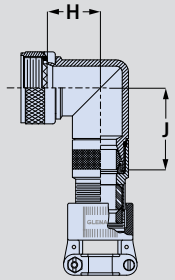
Profile A Standard 90° Elbow



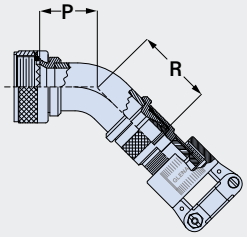
Profile H Cut/Weld 45° Elbow



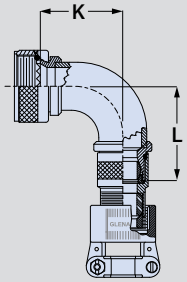
Profile J Cut/Weld 90° Elbow



Profile M Full Radius 45° Elbow

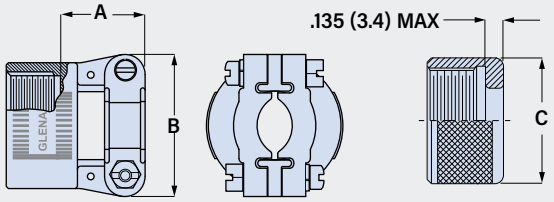


Profile N Full Radius 90° Elbow



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm
8/9	.639	16.2	1.031	26.2	.750	19.1	1.157	29.4	1.125	28.6	1.287	32.7	.500	12.7	1.420	36.1	.812	20.6	1.095	27.8
10/11	.664	16.9	1.063	27.0	.810	20.6	1.217	30.9	1.250	31.8	1.411	35.8	.595	15.1	1.540	39.1	.875	22.2	1.145	29.1
12/13	.688	17.5	1.094	27.8	.870	22.1	1.277	32.4	1.375	34.9	1.537	39.0	.610	15.5	1.560	39.6	.938	23.8	1.195	30.4
14/15	.705	17.9	1.119	28.4	.920	23.4	1.347	34.2	1.500	38.1	1.761	44.7	.700	17.8	2.154	54.7	1.000	25.4	1.245	31.6
16/17	.732	18.6	1.147	29.1	.980	24.9	1.407	35.7	1.625	41.3	1.787	45.4	.885	22.5	2.244	57.0	1.062	27.0	1.300	33.0
18/19	.748	19.0	1.157	29.4	1.020	25.9	1.427	36.2	1.750	44.5	1.911	48.5	.975	24.8	2.414	61.3	1.094	27.8	1.350	34.3
20/21	.773	19.6	1.177	29.9	1.080	27.4	1.487	37.8	1.875	47.6	2.037	51.7	.975	24.8	2.414	61.3	1.156	29.4	1.400	35.6
22/23	.800	20.3	1.217	30.9	1.140	29.0	1.567	39.8	2.000	50.8	2.161	54.9	1.125	28.6	2.587	65.7	1.188	30.2	1.455	37.0
24/25	.823	20.9	1.247	31.7	1.200	30.5	1.637	41.6	2.125	54.0	2.287	58.1	1.125	28.6	2.587	65.7	1.250	31.8	1.505	38.1

STRAIN RELIEF DIMENSIONS



Saddle Clamp Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

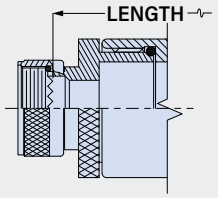
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

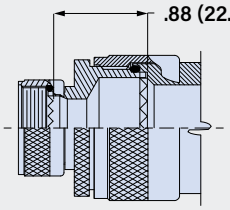
Shell Size	Maximum Entry Size
8/9	03
10/11	04
12/13	06
14/15	10
16/17	12
18/19	12
20/21	16
22/23	16
24/25	20

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Series 39 EMI+Environmental Backshells

for MIL-DTL-38999 Ser. I/II Connectors

390F*055 EMI+Environmental Backshell, Self-Locking

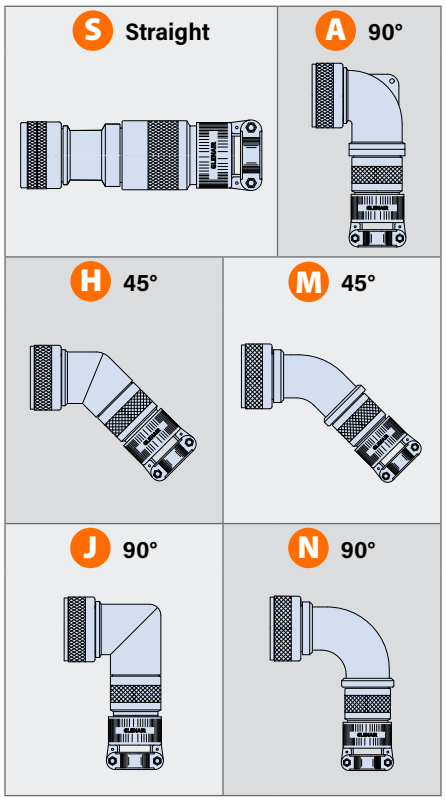
Self-Locking

Shielded. Environmental. Self-locking. 390F*055 backshell fits MIL-DTL-38999 Series I and II connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Two ground rings for terminating individual and overall braid shields. Environmentally protected with O-rings and cable grommet. Two strain relief options: saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight cable seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings and grommet.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

PROFILE SELECTION GUIDE



PART NUMBER

	390FS055	NF	18	10	H	3

Base P/N

Base Part No.		Profile
390FS055	S	Straight
390FA055	A	90° Low Profile
390FH055	H	45° Cut/Weld
390FJ055	J	90° Cut/Weld
390FM055	M	45° Full Radius
390FN055	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

Shell Size									
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-24	16	.937 (23.8)	20-24
04	.312 (7.9)	10-24	20	1.250 (31.8)	24
06	.437 (11.1)	12-24	24	1.375 (34.9)	-
08	.562 (14.3)	14-24	28	1.625 (41.3)	-
10	.625 (15.9)	14-24	32	1.875 (47.6)	-
12	.750 (19.1)	16-24			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See ***Maximum Entry Size*** for details.

Strain Relief

H	Saddle Clamp
D	Nut

Saddle Clamp

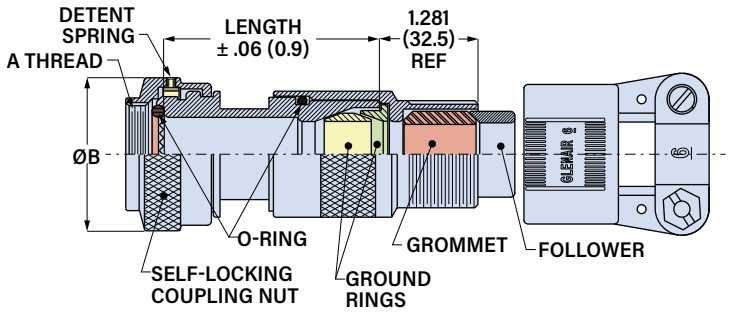
Nut

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.860	21.8
10/11	0.5625-24	.970	24.6
12/13	0.6875-24	1.110	28.2
14/15	0.8125-20	1.210	30.7
16/17	0.9375-20	1.350	34.3
18/19	1.0625-18	1.460	37.1
20/21	1.1875-18	1.600	40.6
22/23	1.3125-18	1.700	43.2
24/25	1.4375-18	1.840	46.7



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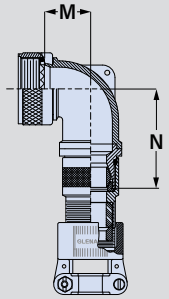
Series 39 EMI+Environmental Backshells

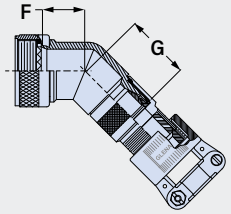
for MIL-DTL-38999 Ser. I/II Connectors

390F*055 EMI+Environmental Backshell, Self-Locking

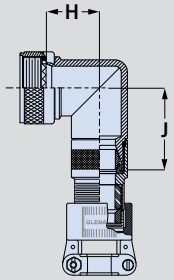
Profile A — Low Profile 90° Elbow



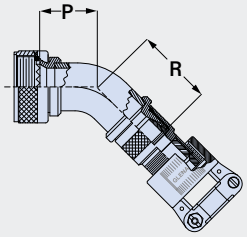
Profile H — Cut/Weld 45° Elbow



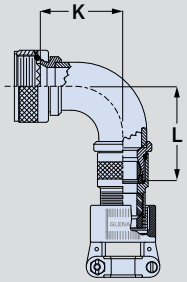
Profile J — Cut/Weld 90° Elbow



Profile M — Full Radius 45° Elbow

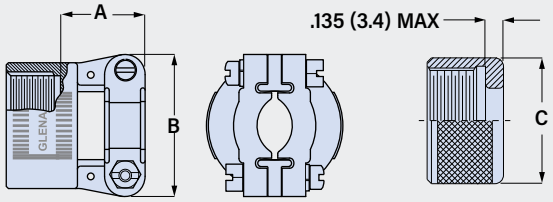


Profile N — Full Radius 90° Elbow



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm
8/9	.795	20.2	1.031	26.2	.906	23.0	1.157	29.4	1.281	32.5	1.287	32.7	.655	16.6	1.880	47.8	.968	24.6	1.095	27.8
10/11	.820	20.8	1.063	27.0	.966	24.5	1.217	30.9	1.406	35.7	1.411	35.8	.750	19.1	1.990	50.5	1.031	26.2	1.145	29.1
12/13	.844	21.4	1.094	27.8	1.026	26.1	1.277	32.4	1.531	38.9	1.537	39.0	.765	19.4	2.020	51.3	1.094	27.8	1.195	30.4
14/15	.961	21.9	1.119	28.4	1.076	27.3	1.347	34.2	1.656	42.1	1.761	44.7	.855	21.7	2.154	54.7	1.156	29.4	1.245	31.6
16/17	.888	22.6	1.147	29.1	1.136	28.9	1.407	35.7	1.781	45.2	1.787	45.4	1.040	26.4	2.244	57.0	1.218	30.9	1.300	33.0
18/19	.904	23.0	1.157	29.4	1.176	29.9	1.427	36.2	1.906	48.4	1.911	48.5	1.130	28.7	2.414	61.3	1.250	31.8	1.350	34.3
20/21	.929	23.6	1.177	29.9	1.236	31.4	1.487	37.8	2.031	51.6	2.037	51.7	1.130	28.7	2.414	61.3	1.312	33.3	1.400	35.6
22/23	.956	24.3	1.217	30.9	1.296	32.9	1.567	39.8	2.156	54.8	2.161	54.9	1.280	32.5	2.587	65.7	1.344	34.1	1.455	37.0
24/25	.979	24.9	1.247	31.7	1.356	34.4	1.637	41.6	2.281	57.9	2.287	58.1	1.280	32.5	2.587	65.7	1.406	35.7	1.505	38.1

STRAIN RELIEF DIMENSIONS



Saddle Clamp — Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

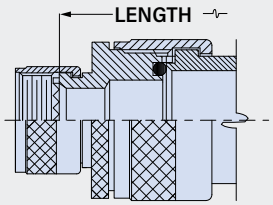
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

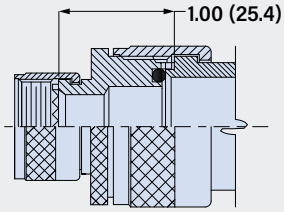
Shell Size	Maximum Entry Size
8/9	03
10/11	04
12/13	06
14/15	10
16/17	12
18/19	12
20/21	16
22/23	16
24/25	20

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by 1.00 inches.

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Series 39 EMI+Environmental Backshells

for MIL-DTL-38999 Ser. I/II Connectors

390F*052 EMI+Environmental Backshell, Composite, Self-Locking

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Shielded. Environmental. Corrosion proof. Self-locking. 390F*052 backshell fits MIL-DTL-38999 Series I/II connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Environmental. Cone and ring shield termination. Available with electroless nickel, nickel-PTFE, or olive drab cadmium plating. Glass-reinforced thermoplastic, telescoping stainless steel clamp screws.

MATERIAL/FINISH

Coupling nut, saddles: glass-reinforced polyetherimide (PEI), unplated, amber color
Body and shield termination ring: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

		390FS052	**XM**	**16**	**12**	**C**

Base P/N

Base Part No.	Profile
390FS052	S Straight
390FT052	T 45° Elbow
390FW052	W 90° Elbow

Body Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

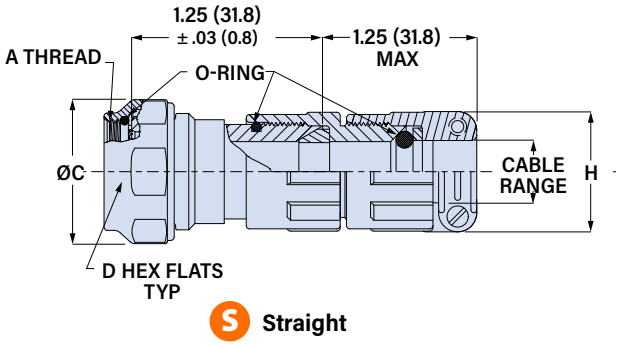
Coupling nut and saddle clamp are unplated.

Shell Size

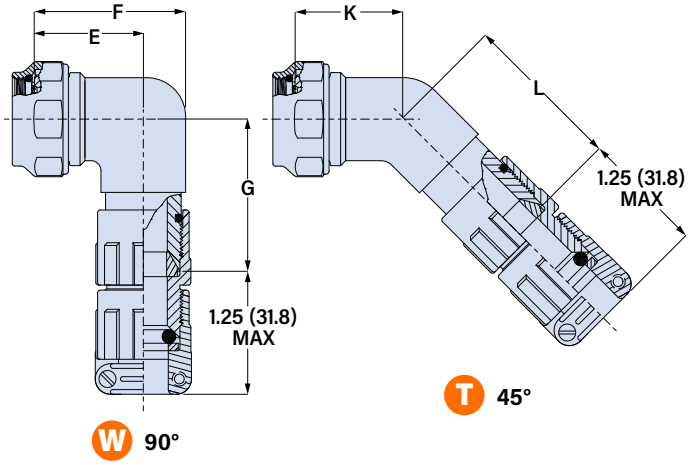
	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

Strain Relief Type — C Saddle Clamp



S Straight



T 45°

W 90°

TABLE 1: ENTRY SIZE

Entry Size	Cable Diameter in Min.	in Max.	mm Min.	mm Max.	H Max. in	H Max. mm	Shell Size
10	.13	.25	3.3	6.4	1.00	25.4	08-24
12	.25	.38	6.4	9.7	1.23	31.2	10-24
14	.31	.44	7.9	11.2	1.34	34.0	12-24
16	.50	.63	12.7	15.9	1.47	37.3	14-24
18	.56	.69	14.2	17.5	1.56	39.6	16-24
20	.63	.75	16.0	19.1	1.62	41.1	16-24
22	.75	.88	19.1	22.2	1.75	44.5	20-24
24	.88	1.00	22.4	25.4	1.87	47.5	22-24
28	1.00	1.13	25.4	28.6	1.97	50.0	24

Shell Size	A Thread UNEF-2B	øC Max in	øC Max mm	D Flats in	D Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	K ± .06(1.5) in	K ± .06(1.5) mm	L ± .06(1.5) in	L ± .06(1.5) mm	Max Entry Size
08	0.4375-28	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	27.0	.72	18.3	.88	22.4	10
10	0.5625-24	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	.75	19.1	.94	23.9	12
12	0.6875-24	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	.75	19.1	1.00	25.4	14
14	0.8125-20	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.25	31.8	.76	19.3	1.03	26.2	16
16	0.9375-20	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.31	33.3	.78	19.8	1.06	26.9	20
18	1.0625-18	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.34	34.0	.79	20.1	1.07	27.2	20
20	1.1875-18	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.44	36.6	.82	20.8	1.09	27.7	22
22	1.3125-18	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.50	38.1	.86	21.8	1.14	29.0	24
24	1.4375-18	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.56	39.6	.92	23.4	1.17	29.7	28

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Series 39 EMI+Environmental Backshells

for MIL-DTL-38999 Ser. III/IV Connectors

390H*053 EMI+Environmental Backshell, Spin Coupling

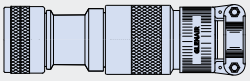
Shielded. Environmental. Spin coupling. 390H*053 backshell fits MIL-DTL-38999 Series III and IV connectors. Two ground rings for terminating individual and overall braid shields. Environmentally protected with O-rings and cable grommet. For use with shielded jacketed cable. Cone and ring shield termination. Two strain relief options: saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings and grommet.

Adapter Code H

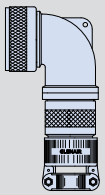
This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

PROFILE SELECTION GUIDE

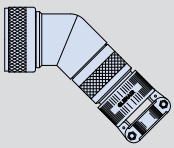
S Straight



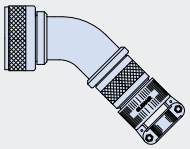
A 90°



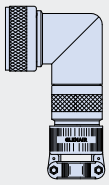
H 45°



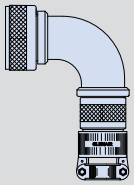
M 45°



J 90°



N 90°



PART NUMBER

390HS053	M	15	10	H	3

Base P/N

Base Part No.		Profile
390HS053	S	Straight
390HA053	A	90° Low Profile
390HH053	H	45° Cut/Weld
390HJ053	J	90° Cut/Weld
390HM053	M	45° Full Radius
390HN053	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	09-25	16	.937 (23.8)	21-25
04	.312 (7.9)	11-25	20	1.250 (31.8)	25
06	.437 (11.1)	13-25	24	1.375 (34.9)	-
08	.562 (14.3)	15-25	28	1.625 (41.3)	-
10	.625 (15.9)	15-25	32	1.875 (47.6)	-
12	.750 (19.1)	17-25			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See ***Maximum Entry Size*** for details.

Strain Relief

H	Saddle Clamp
D	Nut

Saddle Clamp

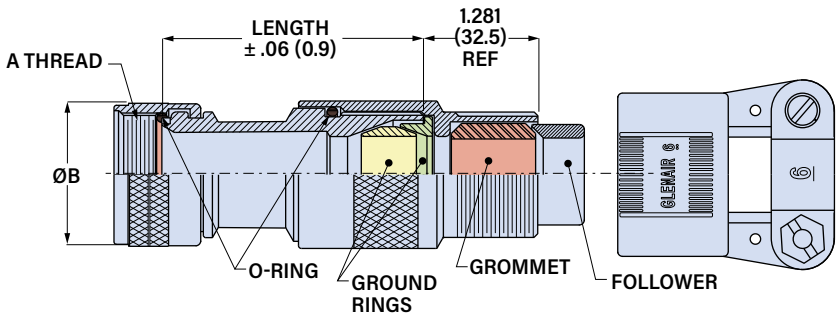
Nut

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.770	19.6
11 (B)	M15X1.0-6H	.840	21.3
13 (C)	M18X1.0-6H	.960	24.4
15 (D)	M22X1.0-6H	1.090	27.7
17 (E)	M25X1.0-6H	1.230	31.2
19 (F)	M28X1.0-6H	1.360	34.5
21 (G)	M31X1.0-6H	1.480	37.6
23 (H)	M34X1.0-6H	1.600	40.6
25 (J)	M37X1.0-6H	1.720	43.7



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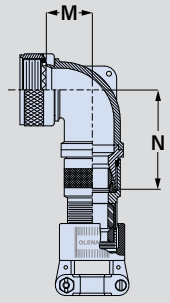
Series 39 EMI+Environmental Backshells

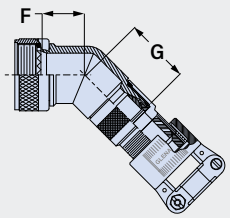
for MIL-DTL-38999 Ser. III/IV Connectors

390H*053 EMI+Environmental Backshell, Spin Coupling

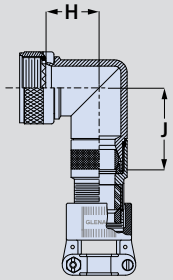
Profile A — Low Profile 90° Elbow



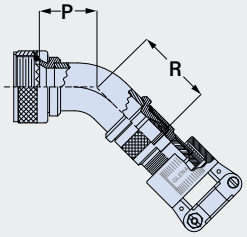
Profile H — Cut/Weld 45° Elbow



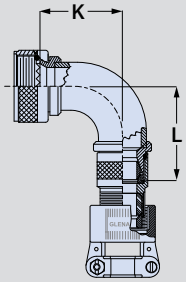
Profile J — Cut/Weld 90° Elbow



Profile M — Full Radius 45° Elbow

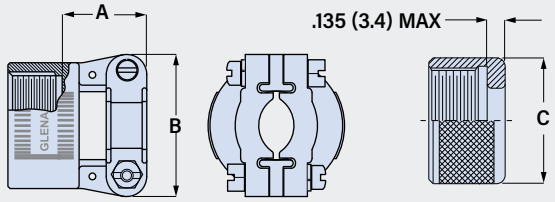


Profile N — Full Radius 90° Elbow



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm
9 (A)	.639	16.2	1.031	26.2	.750	19.1	1.157	29.4	1.125	28.6	1.287	32.7	.500	12.7	1.420	36.1	.812	20.6	1.095	27.8
11 (B)	.664	16.9	1.063	27.0	.810	20.6	1.217	30.9	1.250	31.8	1.411	35.8	.595	15.1	1.540	39.1	.875	22.2	1.145	29.1
13 (C)	.688	17.5	1.094	27.8	.870	22.1	1.277	32.4	1.375	34.9	1.537	39.0	.610	15.5	1.560	39.6	.938	23.8	1.195	30.4
15 (D)	.705	17.9	1.119	28.4	.920	23.4	1.347	34.2	1.500	38.1	1.761	44.7	.700	17.8	2.154	54.7	1.000	25.4	1.245	31.6
17 (E)	.732	18.6	1.147	29.1	.980	24.9	1.407	35.7	1.625	41.3	1.787	45.4	.885	22.5	2.244	57.0	1.062	27.0	1.300	33.0
19 (F)	.748	19.0	1.157	29.4	1.020	25.9	1.427	36.2	1.750	44.5	1.911	48.5	.975	24.8	2.414	61.3	1.094	27.8	1.350	34.3
21 (G)	.773	19.6	1.177	29.9	1.080	27.4	1.487	37.8	1.875	47.6	2.037	51.7	.975	24.8	2.414	61.3	1.156	29.4	1.400	35.6
23 (H)	.800	20.3	1.217	30.9	1.140	29.0	1.567	39.8	2.000	50.8	2.161	54.9	1.125	28.6	2.587	65.7	1.188	30.2	1.455	37.0
25 (J)	.823	20.9	1.247	31.7	1.200	30.5	1.637	41.6	2.125	54.0	2.287	58.1	1.125	28.6	2.587	65.7	1.250	31.8	1.505	38.1

STRAIN RELIEF DIMENSIONS



Saddle Clamp **Nut**

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

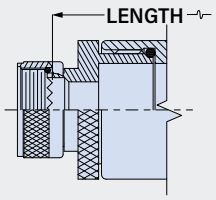
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

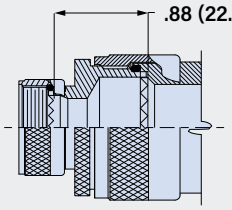
Shell Size	Maximum Entry Size
9 (A)	03
11 (B)	04
13 (C)	06
15 (D)	10
17 (E)	12
19 (F)	12
21 (G)	16
23 (H)	16
25 (J)	20

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 39 EMI+Environmental Backshells

for MIL-DTL-38999 Ser. III/IV Connectors

390H*055 EMI+Environmental Backshell, Self-Locking

Self-Locking

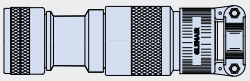
Shielded. Environmental. Self-locking. 390H*055 backshell fits MIL-DTL-38999 Series III and IV connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Two ground rings for terminating individual and overall braid shields. Environmentally protected with O-rings and cable grommet. Two strain relief options: saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings and grommet.

Adapter Code H

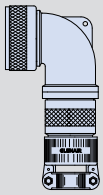
This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

PROFILE SELECTION GUIDE

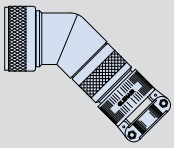
S Straight



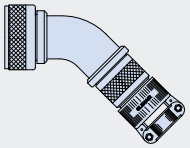
A 90°



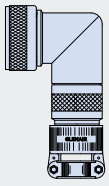
H 45°



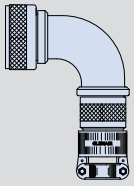
M 45°



J 90°



N 90°



Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.94	24.8
11 (B)	M15X1.0-6H	1.06	26.9
13 (C)	M18X1.0-6H	1.17	29.7
15 (D)	M22X1.0-6H	1.29	32.7
17 (E)	M25X1.0-6H	1.42	36.1
19 (F)	M28X1.0-6H	1.54	39.1
21 (G)	M31X1.0-6H	1.67	42.4
23 (H)	M34X1.0-6H	2.01	51.1
25 (J)	M37X1.0-6H	2.12	53.8

PART NUMBER

390HS055	MT	17	10	D	3

Base P/N

Base Part No.		Profile
390HS055	S	Straight
390HA055	A	90° Low Profile
390HH055	H	45° Cut/Weld
390HJ055	J	90° Cut/Weld
390HM055	M	45° Full Radius
390HN055	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	09-25	16	.937 (23.8)	21-25
04	.312 (7.9)	11-25	20	1.250 (31.8)	25
06	.437 (11.1)	13-25	24	1.375 (34.9)	-
08	.562 (14.3)	15-25	28	1.625 (41.3)	-
10	.625 (15.9)	15-25	32	1.875 (47.6)	-
12	.750 (19.1)	17-25			

* If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See ***Maximum Entry Size*** for details.

Strain Relief

H	Saddle Clamp
D	Nut

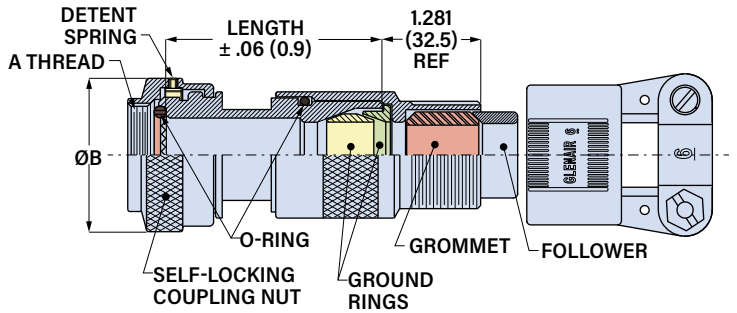
Saddle Clamp

Nut

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



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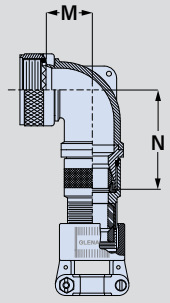
Series 39 EMI+Environmental Backshells

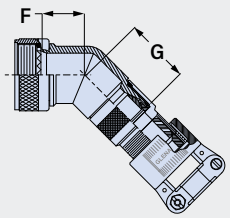
for MIL-DTL-38999 Ser. III/IV Connectors

390H*055 EMI+Environmental Backshell, Self-Locking

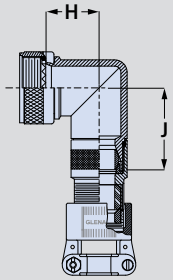
Profile A — Low Profile 90° Elbow



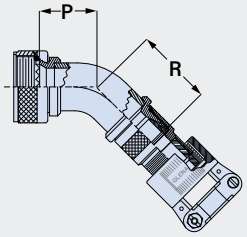
Profile H — Cut/Weld 45° Elbow



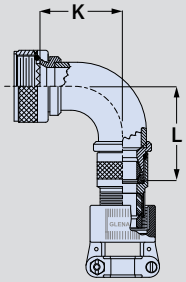
Profile J — Cut/Weld 90° Elbow



Profile M — Full Radius 45° Elbow

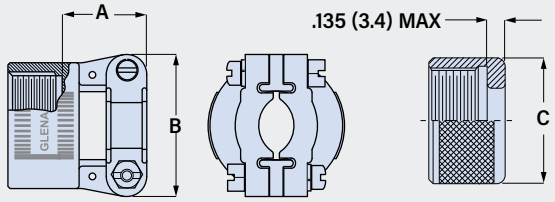


Profile N — Full Radius 90° Elbow



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	P Max in	P Max mm	R Max in	R Max mm
9 (A)	.795	20.2	1.031	26.2	.906	23.0	1.157	29.4	1.281	32.5	1.287	32.7	.655	16.6	1.880	47.8	.968	24.6	1.095	27.8
11 (B)	.820	20.8	1.063	27.0	.966	24.5	1.217	30.9	1.406	35.7	1.411	35.8	.750	19.1	1.990	50.5	1.031	26.2	1.145	29.1
13 (C)	.844	21.4	1.094	27.8	1.026	26.1	1.277	32.4	1.531	38.9	1.537	39.0	.765	19.4	2.020	51.3	1.094	27.8	1.195	30.4
15 (D)	.961	21.9	1.119	28.4	1.076	27.3	1.347	34.2	1.656	42.1	1.761	44.7	.855	21.7	2.154	54.7	1.156	29.4	1.245	31.6
17 (E)	.888	22.6	1.147	29.1	1.136	28.9	1.407	35.7	1.781	45.2	1.787	45.4	1.040	26.4	2.244	57.0	1.218	30.9	1.300	33.0
19 (F)	.904	23.0	1.157	29.4	1.176	29.9	1.427	36.2	1.906	48.4	1.911	48.5	1.130	28.7	2.414	61.3	1.250	31.8	1.350	34.3
21 (G)	.929	23.6	1.177	29.9	1.236	31.4	1.487	37.8	2.031	51.6	2.037	51.7	1.130	28.7	2.414	61.3	1.312	33.3	1.400	35.6
23 (H)	.956	24.3	1.217	30.9	1.296	32.9	1.567	39.8	2.156	54.8	2.161	54.9	1.280	32.5	2.587	65.7	1.344	34.1	1.455	37.0
25 (J)	.979	24.9	1.247	31.7	1.356	34.4	1.637	41.6	2.281	57.9	2.287	58.1	1.280	32.5	2.587	65.7	1.406	35.7	1.505	38.1

STRAIN RELIEF DIMENSIONS



Saddle Clamp **Nut**

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

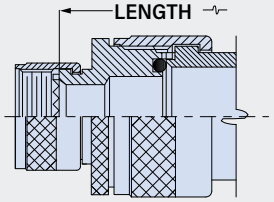
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

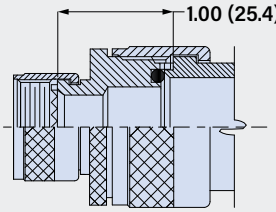
Shell Size	Maximum Entry Size
9 (A)	03
11 (B)	04
13 (C)	06
15 (D)	10
17 (E)	12
19 (F)	12
21 (G)	16
23 (H)	16
25 (J)	20

Style 2 Straight Backshell



The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by 1.00 inches.

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Series 39 EMI+Environmental Backshells

for MIL-DTL-38999 Ser. III/IV Connectors

390H*052 EMI+Environmental Backshell, Composite, Self-Locking

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Shielded. Environmental. Corrosion proof. Self-locking. 390H*052 backshell fits MIL-DTL-38999 Series III/IV connectors. Lightweight, corrosion-free composite material. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Environmental. Cone and ring shield termination. Available with electroless nickel, nickel-PTFE, or olive drab cadmium plating. Glass-reinforced thermoplastic, telescoping stainless steel clamp screws.

MATERIAL/FINISH

Coupling nut, saddles: glass-reinforced polyetherimide (PEI), unplated, amber color
Body and shield termination ring: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

	390HS052	XM	19	12	C

Base P/N

Base Part No.	Profile
390HS052	S Straight
390HT052	T 45° Elbow
390HW052	W 90° Elbow

Body Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

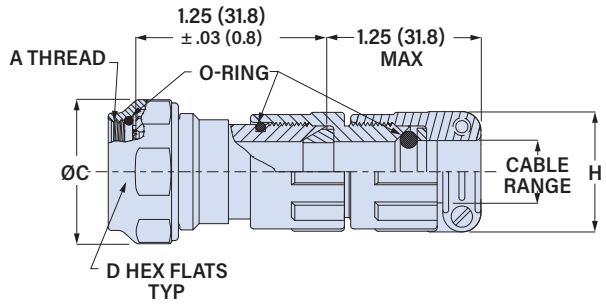
Coupling nut and saddle clamp are unplated.

Shell Size

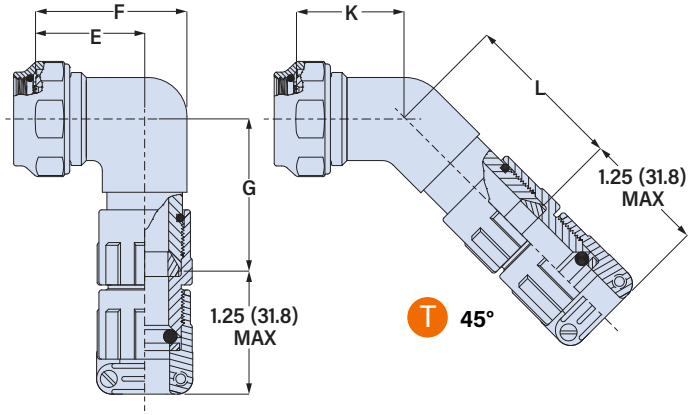
Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
SizeCode	09	11	13	15	17	19	21	23	25

Entry Size — *See Table 1*

Strain Relief Type — C Saddle Clamp



S Straight



T 45°

W 90°

TABLE 1: ENTRY SIZE

Entry Size	Cable Diameter in Min.	in Max.	mm Min.	mm Max.	H Max. in	H Max. mm	Shell Size
10	.13	.25	3.3	6.4	1.00	25.4	09-25
12	.25	.38	6.4	9.7	1.23	31.2	11-25
14	.31	.44	7.9	11.2	1.34	34.0	13-25
16	.50	.63	12.7	15.9	1.47	37.3	15-25
18	.56	.69	14.2	17.5	1.56	39.6	15-25
20	.63	.75	16.0	19.1	1.62	41.1	17-25
22	.75	.88	19.1	22.2	1.75	44.5	21-25
24	.88	1.00	22.4	25.4	1.87	47.5	23-25
28	1.00	1.13	25.4	28.6	1.97	50.0	25

Shell Size	A Thread	øC Max in	øC Max mm	D Flats in	D Flats mm	E ±.06(1.5) in	E ±.06(1.5) mm	F ±.09(2.3) in	F ±.09(2.3) mm	G ±.09(2.3) in	G ±.09(2.3) mm	K ±.06(1.5) in	K ±.06(1.5) mm	L ±.06(1.5) in	L ±.06(1.5) mm	Max Entry Size
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	27.0	.72	18.3	.88	22.4	10
11 (B)	M15X1.0-6H	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	.75	19.1	.94	23.9	12
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	.75	19.1	1.00	25.4	14
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.25	31.8	.76	19.3	1.03	26.2	16
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.31	33.3	.78	19.8	1.06	26.9	20
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.34	34.0	.79	20.1	1.07	27.2	20
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.44	36.6	.82	20.8	1.09	27.7	22
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.50	38.1	.86	21.8	1.14	29.0	24
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.56	39.6	.92	23.4	1.17	29.7	28

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Series 39 EMI+Environmental Backshells

for MIL-DTL-28840 Connectors

390G*013 EMI+Environmental Backshell

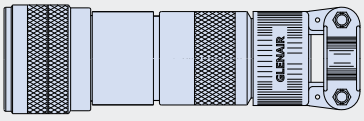
Adapter Code G

This accessory fits MIL-DTL-28840 and Glenair Series 901 Connectors

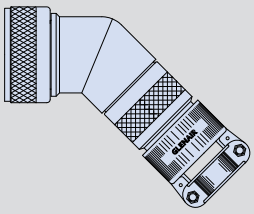
Shielded. Environmental. Spin coupling. 390G*013 backshell fits MIL-DTL-28840 connectors. Spin coupling. Environmentally protected with O-rings and cable grommet. For use with shielded jacketed cable. Cone and ring shield termination. Two strain relief options: saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings and grommet.

PROFILE SELECTION GUIDE

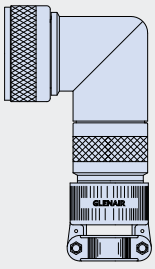
S Straight



H 45°



J 90°



PART NUMBER

	390GS013	ZU	17	08	H	3

Base P/N

Base Part No.		Profile
390GS013	S	Straight
390GH013	H	45° Cut/Weld
390GJ013	J	90° Cut/Weld

Material/ Finish

M	Alum/Electroless Nickel
NF	Alum/Cadmium, Olive Drab
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated
ZU	SST/Cadmium, Black
ZTZ	SST/Tin-Zinc

Shell Size

Shell Size	11	13	15	17	19	23	25	29	33
	A	B	C	D	E	F	G	H	J
Size Code	11	13	15	17	19	23	25	29	33

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
04	.312 (7.9)	11-33	16	.937 (23.8)	23-33
06	.437 (11.1)	13-33	20	1.250 (31.8)	29-33
08	.562 (14.3)	15-33	24	1.375 (34.9)	29-33
10	.625 (15.9)	15-33	28	1.625 (41.3)	33
12	.750 (19.1)	17-33	32	1.875 (47.6)	-
16	.937 (23.8)	23-33			

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

Strain Relief

H	Saddle Clamp
D	Nut

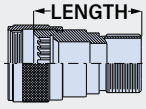
Saddle Clamp

Nut

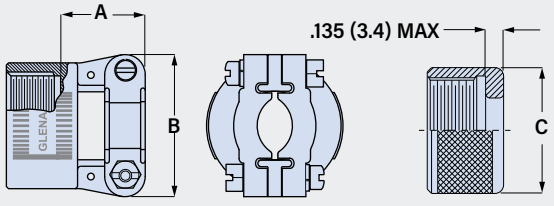
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



STRAIN RELIEF DIMENSIONS



Saddle Clamp Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

* Not applicable to Style D Nut.

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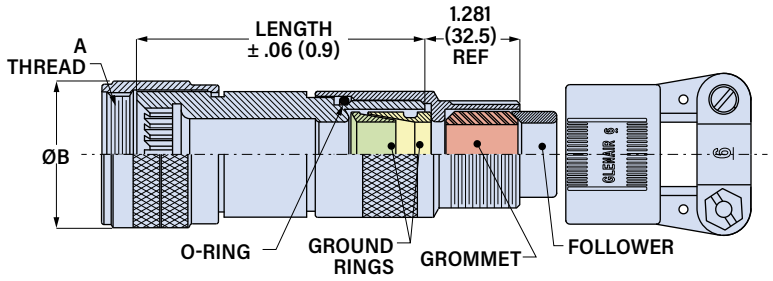
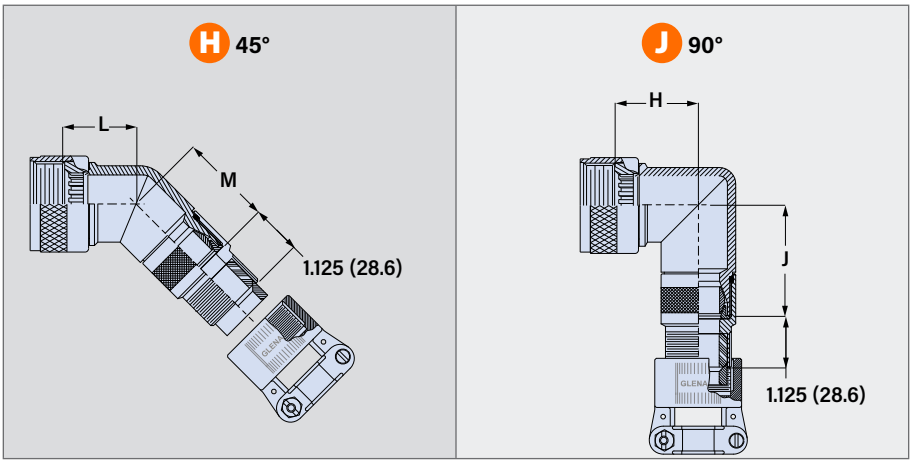
Series 39 EMI+Environmental Backshells

for MIL-DTL-28840 Connectors

390G*013 EMI+Environmental Backshell



Size Code	Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm	J Max. in	J Max. mm	K Max. in	K Max. mm	L Max. in	L Max. mm	M Max. in	M Max. mm
11	A (11)	.750-20 UNEF	.94	23.9	1.24	31.5	1.05	26.7	1.38	35.1	1.19	30.2
13	B (13)	.875-20 UNEF	1.07	27.7	1.26	32.0	1.07	27.2	1.44	36.6	1.25	31.8
15	C (15)	1.000-20 UNEF	1.21	30.7	1.29	32.8	1.10	27.9	1.50	38.1	1.32	33.5
17	D (17)	1.125-18 UNEF	1.41	35.7	1.31	33.3	1.12	28.4	1.57	39.9	1.38	35.1
19	E (19)	1.250-18 UNEF	1.53	38.9	1.34	34.0	1.15	29.2	1.63	41.4	1.46	37.1
23	F (23)	1.438-18 UNEF	1.73	43.9	1.38	35.1	1.19	30.2	1.73	43.9	1.54	39.1
25	G (25)	1.562-18 UNEF	1.82	46.3	1.41	35.8	1.22	31.0	1.80	45.7	1.61	40.9
29	H (29)	1.875-16 UN	2.14	54.4	1.58	40.1	1.39	35.3	2.04	51.8	1.85	47.0
33	J (33)	2.062-16 UNS	2.33	59.1	1.62	41.1	1.43	36.3	2.13	54.1	1.94	49.3

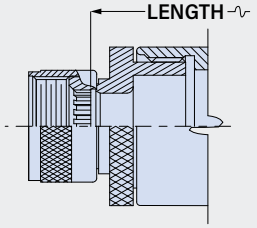


MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a *Style 2* backshell.

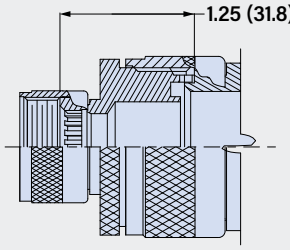
Shell Size	Maximum Entry Size
A (11)	04
B (13)	06
C (15)	10
D (17)	12
E (19)	12
F (23)	16
G (25)	16
H (29)	24
J (33)	28

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.25 inches.

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Series 39 EMI+Environmental Backshells

for Series 80 Mighty Mouse Connectors

390MS076 EMI+Environmental Backshell, Direct Coupling

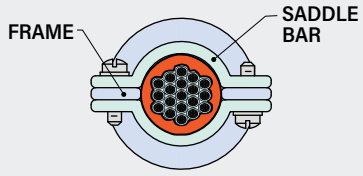
EMI. Low profile. Direct coupling. Environmental. 390MS076 backshell fits Glenair Series 80 Mighty Mouse connectors. Terminate cable braid with ground ring. Strain relief options include saddle clamp or nut. Full radius saddle clamp has stainless steel screws and lockwashers. Available in aluminum or stainless steel.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp.



FULL RADIUS SADDLE CLAMP
SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

PART NUMBER

	390MS076	M	08	05	-6

Base P/N	**390MS076**
Material/Finish	**M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated
Shell Size	*See Table 1*
Entry Size	*See Table 2*
Length	Length Code / Length: **5** .63 (16.0); **6** .75 (19.1); **8** 1.00 (25.4); **10** 1.25 (31.8); **12** 1.50 (38.1); **16** 2.00 (50.8) *Length in 1/8 inch increments. For example, "8" = 1 inch.*
Strain Relief	*Omit for saddle clamp* **N** Low Profile Nut

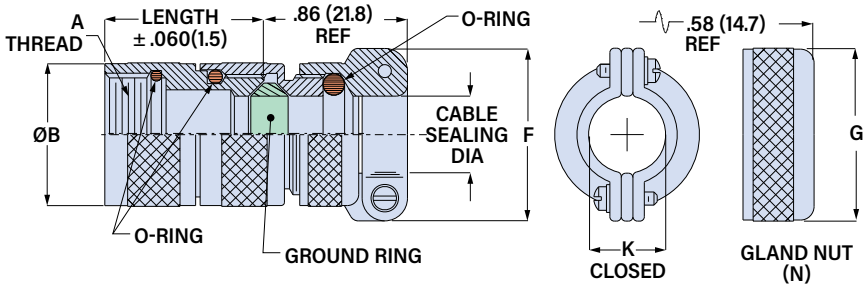


TABLE 1: SHELL SIZE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm
05	5	N/A	0.250-32	.350	8.9
06	6	N/A	0.3125-32	.415	10.5
11	N/A	8	0.3750-32	.465	11.8
07	7	9	0.4375-28	.530	13.5
08	8	10	0.500-28	.595	15.1
09	9	11	0.5625-24	.650	16.5
10	10	12	0.625-24	.715	18.2
12	11, 12, 13	13	0.6875-24	.785	19.9
13	N/A	15	0.750-20	.830	21.1
14	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9
16	19	21	1.0625-18	1.155	29.3
17	21	23	1.1875-18	1.280	32.5

TABLE 2: ENTRY SIZE

Entry Size	Cable Sealing Dia. Min. in	Cable Sealing Dia. Min. mm	Cable Sealing Dia. Max. in	Cable Sealing Dia. Max. mm	F ± .015 (0.4) in	F ± .015 (0.4) mm	øG ± .015 (0.4) in	øG ± .015 (0.4) mm	øK Closed ± .03 (0.8) in	øK Closed ± .03 (0.8) mm
01	.031	0.8	.109	2.8	.496	12.6	.398	10.1	.11	2.8
02	.078	2.0	.172	4.4	.582	14.8	.460	11.7	.17	4.3
03	.140	3.6	.234	5.9	.656	16.7	.523	13.3	.23	5.8
04	.203	5.2	.297	7.5	.726	18.4	.585	14.9	.30	7.6
05	.265	6.7	.359	9.1	.885	22.5	.647	16.4	.36	9.1
06	.328	8.3	.422	10.7	.952	24.2	.710	18.0	.42	10.7
07	.390	9.9	.484	12.3	1.018	25.9	.773	19.6	.48	12.2
08	.453	11.5	.547	13.9	1.084	27.5	.835	21.2	.55	14.0
09	.515	13.1	.609	15.5	1.148	29.2	.897	22.8	.61	15.5
10	.578	14.7	.672	17.1	1.211	30.8	.959	24.4	.67	17.0
11	.640	16.3	.734	18.6	1.273	32.3	1.021	25.9	.73	18.5
12	.765	19.4	.859	21.8	1.400	35.6	1.083	27.5	.86	21.8
13	.906	23.0	1.000	25.4	1.539	39.1	1.145	29.1	.99	25.1

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Series 39 EMI+Environmental Backshells

for Series 80 Mighty Mouse Connectors

390M*077 EMI+Environmental Backshell, Spin Coupling

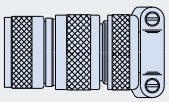
Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

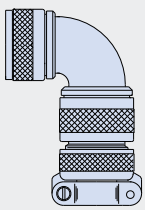
EMI. Low profile. Environmental. Spin coupling. 390M*077 backshell fits Glenair Series 80 Mighty Mouse connectors. O-rings provide watertight cable and connector sealing. Terminate cable shield braid with ground ring. Cable clamp has stainless steel screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings.

PROFILE SELECTION GUIDE

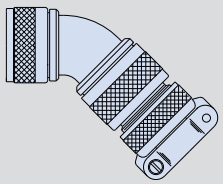
S Straight



A 90°



B 45°



PART NUMBER

	390MS077	MT	13	08	-8

Base P/N

Base Part No.	Profile
390MS077	S Straight
390MB077	B 45°
390MA077	A 90°

Material/Finish

M	Alum/Electroless Nickel
MT	Alum/Nickel-PTFE
NF	Alum/Olive Drab Cadmium
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated

Shell Size — *See Table 1*

Entry Size — *See Table 2*

Length

Length Code	Length	Length Code	Length
5	.63 (16.0)	10	1.25 (31.8)
6	.75 (19.1)	12	1.50 (38.1)
8	1.00 (25.4)	16	2.00 (50.8)

Length applies to Profile S (straight) only. In 1/8 inch increments.

Strain Relief

Omit for saddle clamp

N Low Profile Nut

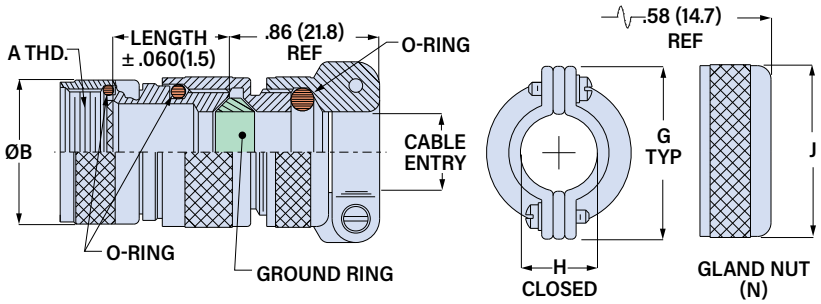


TABLE 1: SHELL SIZE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm
05	5	N/A	0.250-32	.470	11.9
06	6	N/A	0.3125-32	.530	13.5
11	N/A	8	0.3750-32	.570	14.5
07	7	9	0.4375-28	.637	16.2
08	8	10	0.500-28	.700	17.8
09	9	11	0.5625-24	.758	19.3
10	10	12	0.625-24	.819	20.8
12	11, 12, 13	13	0.6875-24	.896	22.8
13	N/A	15	0.750-20	.930	23.6
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9
16	19	21	1.0625-18	1.230	31.2
17	21	23	1.1875-18	1.387	35.2

TABLE 2: ENTRY SIZE

Entry Size	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	G ± .015 (0.4) in	G ± .015 (0.4) mm	øH Closed ± .03 (0.8) in	øH Closed ± .03 (0.8) mm	øJ ± .015 (0.4) in	øJ ± .015 (0.4) mm
01	.031	0.8	.109	2.8	.496	12.6	.11	2.8	.398	10.1
02	.078	2.0	.172	4.4	.582	14.8	.17	4.3	.460	11.7
03	.140	3.6	.234	5.9	.656	16.7	.23	5.8	.523	13.3
04	.203	5.2	.297	7.5	.726	18.4	.30	7.6	.585	14.9
05	.265	6.7	.359	9.1	.885	22.5	.36	9.1	.647	16.4
06	.328	8.3	.422	10.7	.952	24.2	.42	10.7	.710	18.0
07	.390	9.9	.484	12.3	1.018	25.9	.48	12.2	.773	19.6
08	.453	11.5	.547	13.9	1.084	27.5	.55	14.0	.835	21.2
09	.515	13.1	.609	15.5	1.148	29.2	.61	15.5	.897	22.8
10	.578	14.7	.672	17.1	1.211	30.8	.67	17.0	.959	24.4
11	.640	16.3	.734	18.6	1.273	32.3	.73	18.5	1.021	25.9
12	.765	19.4	.859	21.8	1.400	35.6	.86	21.8	1.083	27.5
13	.906	23.0	1.000	25.4	1.539	39.1	.99	25.1	1.145	29.1

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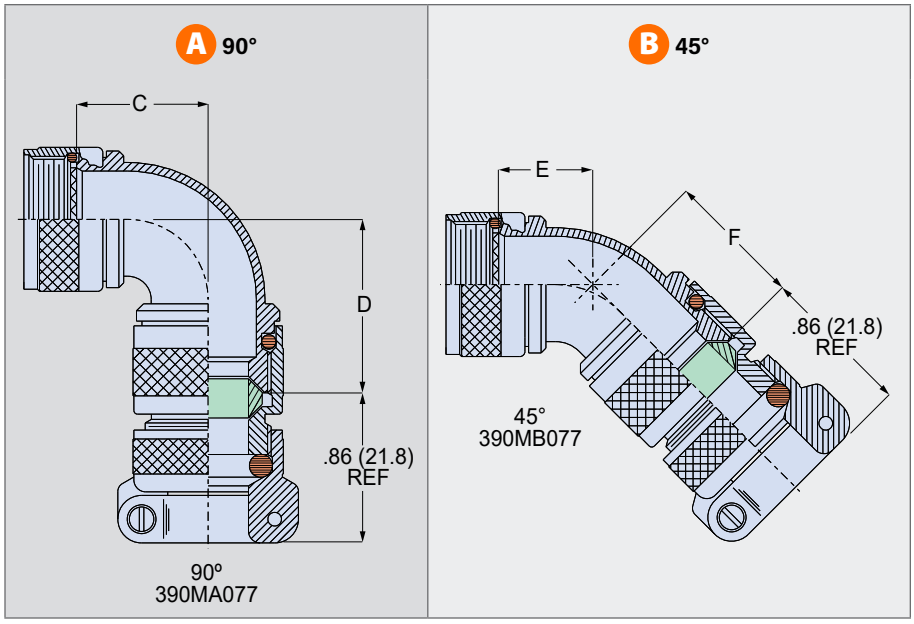
Series 39 EMI+Environmental Backshells

for Series 80 Mighty Mouse Connectors

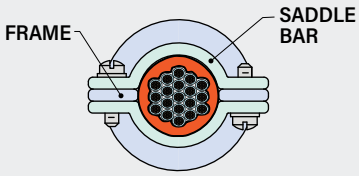
390M*077 EMI+Environmental Backshell, Spin Coupling



Entry Size	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm
01	.724	18.4	.802	20.4	.603	15.3	.681	17.3
02	.724	18.4	.802	20.4	.603	15.3	.681	17.3
03	.724	18.4	.802	20.4	.603	15.3	.681	17.3
04	.786	20.0	.864	21.9	.629	16.0	.707	18.0
05	.786	20.0	.864	21.9	.629	16.0	.707	18.0
06	.848	21.5	.926	23.5	.655	16.6	.733	18.6
07	.848	21.5	.926	23.5	.655	16.6	.733	18.6
08	.911	23.1	.989	25.1	.707	18.0	.785	19.9
09	.911	23.1	.989	25.1	.707	18.0	.785	19.9
10	.973	24.7	1.055	26.8	.733	18.6	.811	20.6
11	.973	24.7	1.055	26.8	.733	18.6	.811	20.6
12	1.036	26.3	1.114	28.3	.785	19.9	.863	21.9
13	1.098	27.9	1.176	29.9	.811	20.6	.889	22.6

APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp.



FULL RADIUS SADDLE CLAMP
SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

Series 39 EMI+Environmental Backshells

for Series 806 Mil/Aero Connectors

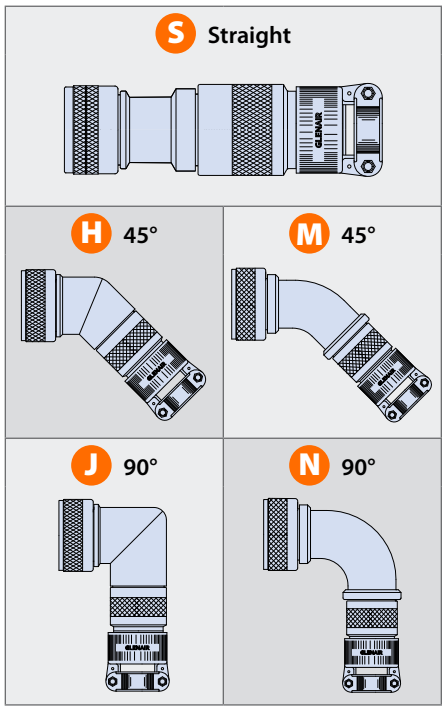
390V*091 EMI+Environmental Backshell, Self-Locking

Shielded. Environmental. Self-locking. Compatible with Glenair's Series 806 connectors with metric accessory thread. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Two ground rings for terminating individual and overall braid shields. Environmentally protected with O-rings and cable grommet. Two strain relief options: saddle clamp or low profile nut. When the strain relief is tightened onto the adapter, the grommet compresses onto cable jacket to create a watertight cable seal. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-rings and grommet.

Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

PROFILE SELECTION GUIDE



Shell Size	A Thread ISO Metric	øB Max. in	øB Max. mm	Max. Entry Size (1)
08	M10 x 1.0-6H	.692	17.58	03
09	M12 x 1.0-6H	.786	19.96	04
10	M14 x 1.0-6H	.883	22.43	04
11	M15 x 1.0-6H	.911	23.14	06
12	M17 x 1.0-6H	1.002	25.45	06
14	M19 x 1.0-6H	1.066	27.08	08
16	M22 x 1.0-6H	1.196	30.38	10
18	M25 x 1.0-6H	1.311	33.30	12
20	M28 x 1.0-6H	1.430	36.32	16
22	M31 x 1.0-6H	1.548	39.32	16
24	M34 x 1.0-6H	1.696	43.08	16

(1) If the Entry Size exceeds "Max. Entry Size", a front adapter will be included. See "Maximum Entry Size" on next page.

PART NUMBER

390VS091	MT	16	10	H	3

Base P/N

Base Part No.	Profile
390VS091	S Straight
390VH091	H 45° Cut/Weld
390VJ091	J 90° Cut/Weld
390VM091	M 45° Full Radius
390VN091	N 90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

08 09 10 11 12 14 16 18 20 22 24

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
03	.250 (7.9)	08-24	16	.937 (23.8)	20-24
04	.312 (7.9)	09-24	20	1.250 (31.8)	-
06	.437 (11.1)	11-24	24	1.375 (34.9)	-
08	.562 (14.3)	14-24	28	1.625 (41.3)	-
10	.625 (15.9)	16-24	32	1.875 (47.6)	-
12	.750 (19.1)	18-24			

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

Strain Relief

H	Saddle Clamp
D	Nut

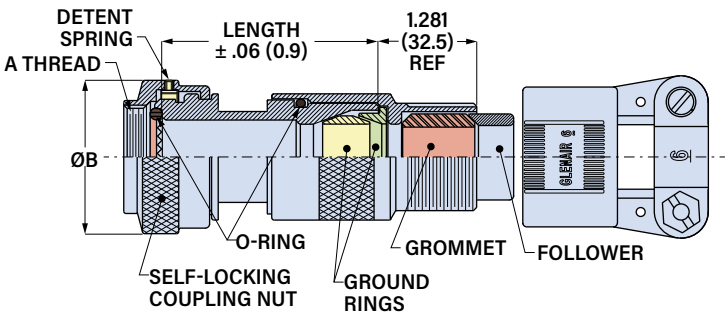
Saddle Clamp

Nut

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



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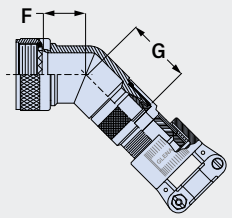
Dimensions in Inches (millimeters) are subject to change without notice.

Series 39 EMI+Environmental Backshells

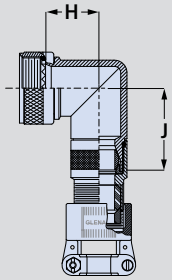
for Series 806 Mil/Aero Connectors

390V*091 EMI+Environmental Backshell, Self-Locking

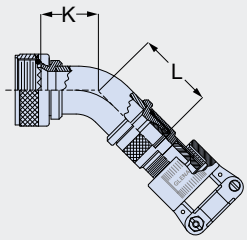
Profile H — Cut/Weld 45° Elbow



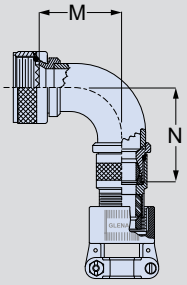
Profile J — Cut/Weld 90° Elbow



Profile M — Full Radius 45° Elbow

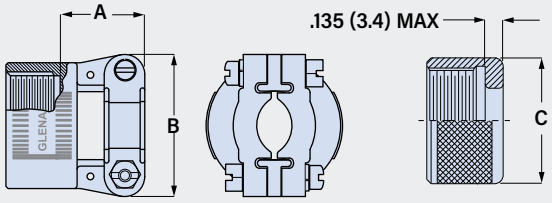


Profile N — Full Radius 90° Elbow



Shell Size	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm
08	.62	15.8	.90	22.9	.79	20.1	1.08	27.4	.79	20.1	1.07	27.2	.94	23.9	1.23	31.2
09	.64	16.3	.93	23.6	.84	21.3	1.13	28.7	.79	20.1	1.07	27.2	.94	23.9	1.23	31.2
10	.67	17.0	.93	23.6	.84	21.3	1.18	30.0	.79	20.1	1.13	28.7	.97	24.6	1.32	33.5
11	.67	17.0	.97	24.6	.90	22.9	1.19	30.2	.79	20.1	1.13	28.7	.97	24.6	1.32	33.5
12	.70	17.8	.97	24.6	.90	22.9	1.24	31.5	.83	21.1	1.21	30.7	1.04	26.4	1.42	36.1
14	.72	18.3	1.00	25.4	.96	24.4	1.27	32.3	.83	21.1	1.21	30.7	1.04	26.4	1.42	36.1
16	.76	19.3	1.05	26.7	1.02	25.9	1.33	33.8	.84	21.3	1.28	32.5	1.08	27.4	1.52	38.6
18	.79	20.1	1.11	28.2	1.12	28.5	1.39	35.3	.89	22.6	1.36	34.5	1.14	29.0	1.62	41.2
20	.82	20.8	1.17	29.7	1.24	31.5	1.49	37.9	.92	23.4	1.43	36.3	1.21	30.7	1.71	43.4
22	.86	21.8	1.21	30.7	1.24	31.5	1.56	39.6	.95	24.1	1.49	37.9	1.28	32.5	1.81	46.0
24	.90	22.9	1.29	32.8	1.25	31.8	1.68	42.7	.98	24.5	1.55	39.4	1.33	33.8	1.91	48.5

STRAIN RELIEF DIMENSIONS



Saddle Clamp — Nut

Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
03	.780	19.8	.957	24.3	.630	16.0	.125	3.2	.250	6.4
04	.780	19.8	.957	24.3	.755	19.2	.125	3.2	.312	7.9
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6

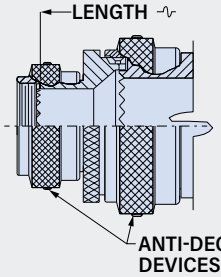
* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

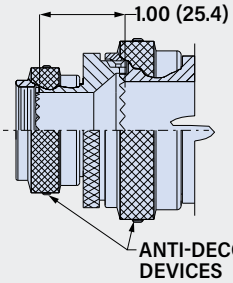
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	03	16	10
09	04	18	12
10	04	20	16
11	06	22	16
12	06	24	16
14	08		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the front adapter adds 1 inch to the length.

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Series 39 EMI+Environmental Backshells

for Series 970 PowerTrip® Connectors

390P*055 EMI+Environmental Backshell, Self-Locking

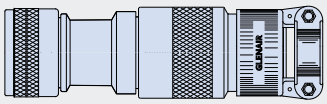
Adapter Code P

This accessory fits Glenair Series 970 PowerTrip Connectors

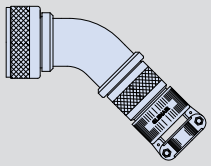
Shielded. Environmental. Self-locking. Compatible with Glenair's Series 970 PowerTrip connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Environmentally protected with O-ring and cable grommet. Three strain relief options: saddle clamp,nut, or wire mesh cordgrip. Type H heavy duty saddle clamp has stainless steel telescoping fillister head screws and lockwashers. Available in aluminum or stainless steel. Silicone O-ring and grommet.

PROFILE SELECTION GUIDE

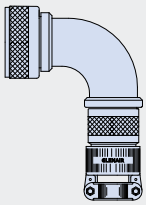
S Straight



M 45°



N 90°



PART NUMBER

	390PS055	ME	24	12H	8

Base P/N

Base Part No.	Profile
390PS055	S Straight
390PM055	M 45° Full Radius
390PN055	N 90° Full Radius

Material/ Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

18 20 24 28 32 36 40

Entry Size and Strain Relief Code

Saddle Clamp			Nut			Cordgrip		
Entry Code	Max. Cable Dia.	Shell Size*	Entry Code	Max. Cable Dia.	Shell Size*	Entry Code	Max. Cable Dia.	Shell Size*
06H	.437	18-40	06D	.438	18-40	06K	.438	18-40
08H	.562	18-40	08D	.562	18-40	08K	.500	18-40
10H	.625	18-40	10D	.625	18-40	10K	.625	18-40
12H	.750	20-40	12D	.750	20-40	12K	.750	20-40
16H	.938	24-40	16D	.938	24-40	14K	.875	24-40
20H	1.250	28-40	20D	1.250	28-40	16K	1.000	24-40
24H	1.375	32-40	24D	1.375	32-40	20K	1.250	28-40
28H	1.625	36-40	28D	1.625	36-40	24K	1.375	32-40
32H	1.875	40	32D	1.875	40	28K	1.625	36-40
36H	2.125	-	40D	2.375	-	32K	1.875	40
40H	2.375	-				40K	2.375	-

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See Maximum Entry Size for details.*

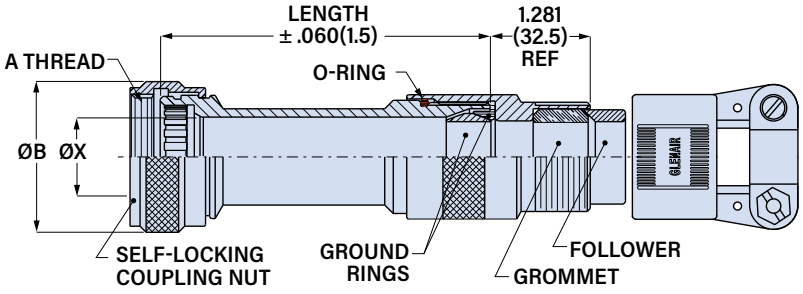
Length

6	3 inches *(Shell Sizes 18 and 20 only)*
8	4 inches
10	5 inches
12	6 inches
16	8 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 5 inch minimum applies.

Shell Size	A Thread	ø B Max. in	ø B Max. mm	ø X Min. in	ø X Min. mm	Max. Entry Size (1)
18	1.125-18 UNEF-2B	1.39	35.3	.724	18.4	10
20	1.250-18 UNEF-2B	1.53	38.9	.858	21.8	12
24	1.4375-18 UNEF-2B	1.72	43.7	1.043	26.5	16
28	1.8125-16 UN-2B	2.13	54.1	1.353	34.4	20
32	2.0625-16 UNS-2B	2.35	59.7	1.620	41.2	24
36	2.250-16 UN-2B	2.59	65.8	1.823	46.3	28
40	2.500-16 UN-2B	2.87	70.6	2.050	52.1	32

(1) If the Entry Size exceeds "Max. Entry Size", a front adapter will be included. See "Maximum Entry Size" on next page.



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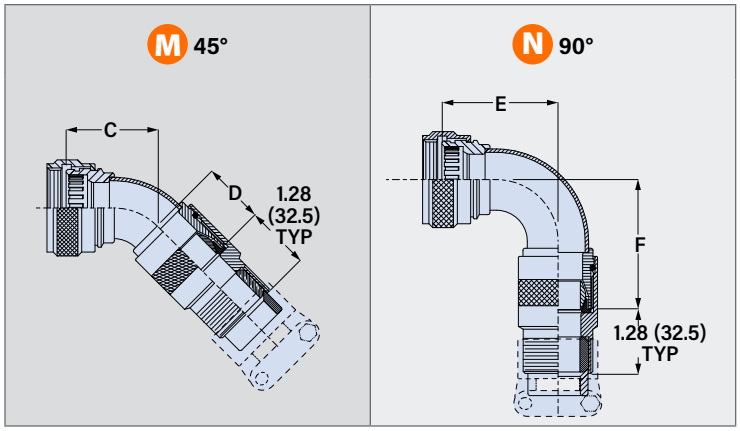
Series 39 EMI+Environmental Backshells

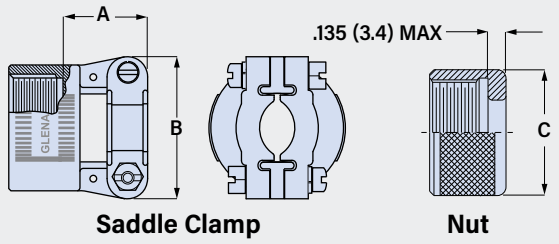
for Series 970 PowerTrip® Connectors

390P*055 EMI+Environmental Backshell, Self-Locking



Shell Size	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm
18	1.250	31.8	2.468	62.7	1.906	48.4	1.812	46.0
20	1.312	33.3	2.657	67.5	2.031	51.6	1.938	49.2
24	1.46	35.7	3.063	77.8	2.281	57.9	2.188	55.6
28	1.500	38.1	3.656	92.9	2.531	64.3	2.625	66.7
32	1.675	42.5	3.845	97.7	2.625	66.7	2.895	73.5
36	1.799	45.7	4.230	107.4	2.875	73.0	3.145	79.9
40	1.861	47.3	4.459	113.3	3.025	76.8	3.295	83.7

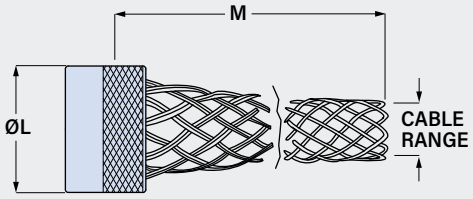
SADDLE CLAMP AND NUT DIMENSIONS



Entry Size	A Max in	A Max mm	B Max in	B Max mm	øC Max in	øC Max mm	Cable Range Min* in	Cable Range Min* mm	Cable Range Max in	Cable Range Max mm
06	.780	19.8	1.145	29.1	.942	23.9	.250	6.4	.437	11.1
08	.780	19.8	1.332	33.8	1.067	27.1	.312	7.9	.562	14.3
10	.780	19.8	1.332	33.8	1.192	30.3	.350	8.9	.625	15.9
12	.811	20.6	1.551	39.4	1.380	35.1	.500	12.7	.750	19.1
16	.905	23.0	1.770	45.0	1.535	39.0	.625	15.9	.937	23.8
20	1.092	27.7	2.113	53.7	1.848	46.9	.875	22.2	1.250	31.8
24	1.124	28.5	2.363	60.0	2.255	57.3	1.000	25.4	1.375	34.9
28	1.399	35.5	2.770	70.4	2.505	63.6	1.250	31.8	1.625	41.3
32	1.399	35.5	3.020	76.7	2.755	70.0	1.437	36.5	1.875	47.6
36	1.750	44.5	3.250	82.6	Not Avail		1.625	41.3	2.125	53.9
40	1.750	44.5	3.500	88.9	3.255	82.7	1.875	47.6	2.375	60.3

* Not applicable to Style D Nut.

CORDGRIP DIMENSIONS



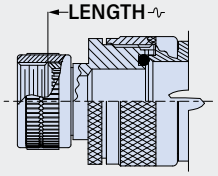
Entry Size	L Max in	L Max mm	M in	M mm	Cable Range Min in	Cable Range Min mm	Cable Range Max in	Cable Range Max mm
06	.942	23.9	4.00	101	.310	7.8	.438	11.1
08	1.067	27.1	4.12	105	.438	11.1	.500	12.7
10	1.192	30.3	4.37	111	.500	12.7	.625	15.8
12	1.380	35.1	5.00	127	.625	15.9	.750	19.1
14	1.563	39.7	6.00	152	.750	19.1	.875	22.2
16	1.563	39.7	6.25	158	.875	22.2	1.000	25.4
20	1.875	47.6	7.25	184	1.000	25.4	1.250	31.8
24	2.225	57.3	8.00	203	1.125	28.6	1.375	34.9
28	2.505	63.6	8.50	216	1.375	34.9	1.625	41.2
32	2.755	70.0	9.00	229	1.625	41.3	1.875	47.6
40	3.225	82.7	9.50	241	2.125	53.9	2.375	60.3

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

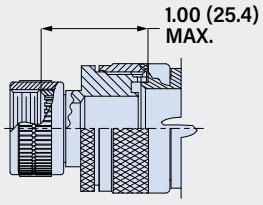
Shell Size	Maximum Entry Size
18	10
20	12
24	16
28	20
32	24
36	28
40	32

Style 2 Straight Backshell



Style 2 minimum length code is 10 (5 inches) for Profile S.

Style 2 45° and 90° Backshells



For Profile M and N 45° and 90° backshells, the length increases by 1 inch.

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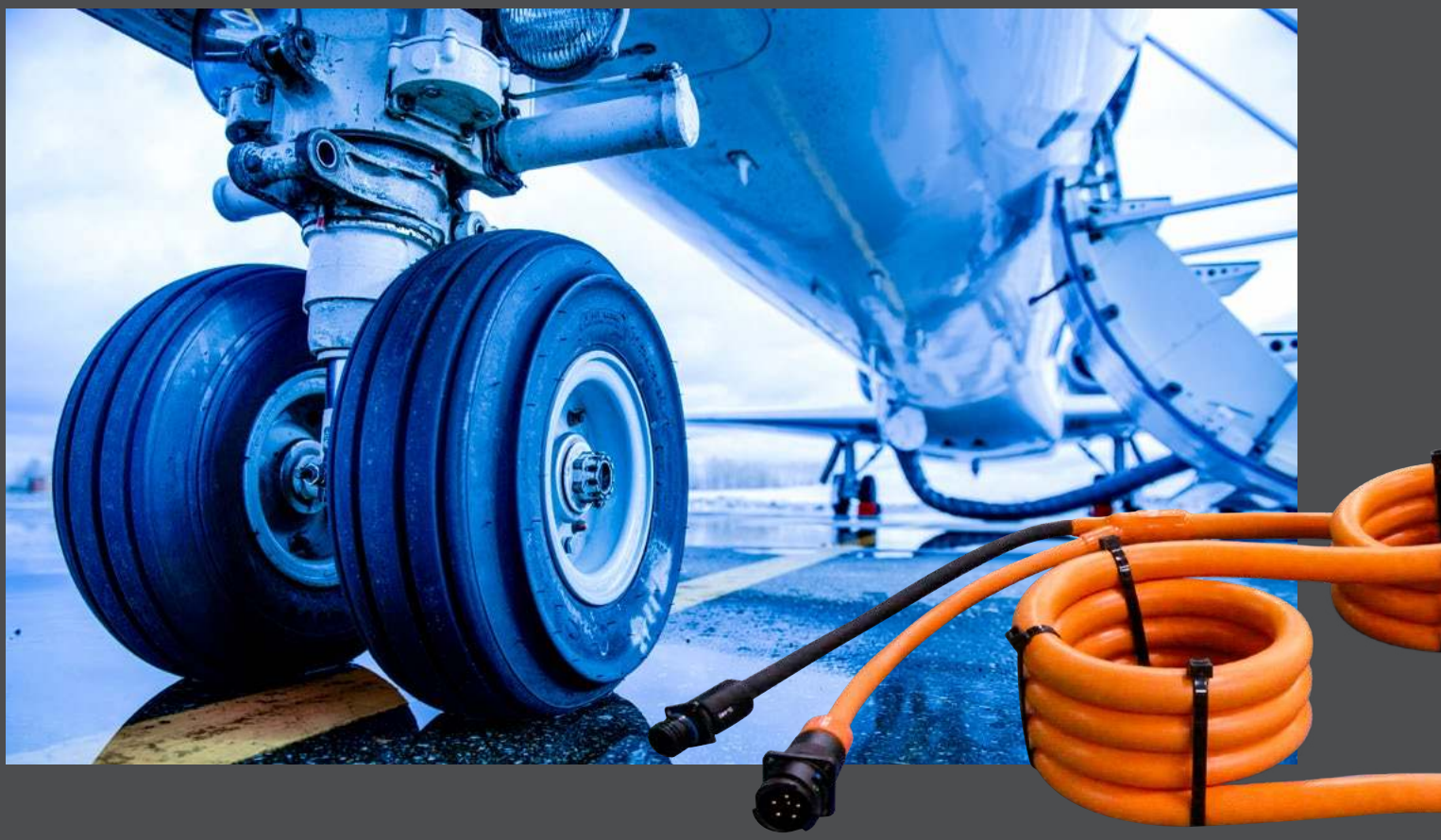
ALSO AVAILABLE FROM GLENAIR

- MADE IN USA
- MASSIVE SAME-DAY INVENTORY

turboflex®

The ultra flexible and rugged power cable solution



TurboFlex® power distribution cables are constructed from highly flexible conductors and high-performance insulation to produce cables ideally suited for applications where flexibility, durability, and weight reduction are required. Amazingly durable and flexible—especially in cold weather—the 16 AWG to 450 MCM TurboFlex cable features high strand count rope lay inner conductors made with tin-, nickel- and silver-plated copper. TurboFlex is jacketed with Glenair's unique Duralectric™ compound that provides outstanding flexibility and resistance to environmental and chemical exposure. Duralectric is also low smoke, zero halogen. Long life and performance are critical in power distribution applications. TurboFlex, with its flexible conductors and durable jacket delivers both.

Available in a broad range of gauges, 16 AWG to 450 MCM

◀ Duralectric™ is the high-performance TurboFlex® jacketing material perfectly suited for immersion, chemical or caustic fluid exposure, temperature extremes, UV radiation and more—available in a broad range of colors including safety orange

Many sizes In-stock and available for immediate, same-day shipment. No minimums!

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Series 40 TAG Ring® Backshells

Selection Guide

Series 40 TAG Ring® Backshells

Series 40 TAG Ring® Backshells have multiple slots for terminating individual shields. Feed shield pigtails into slots in TAG Ring®, then thread nut or clamp onto slot legs to securely captivate braid. A gold-plated ground spring and PTFE friction washer provide consistent, low impedance grounding over a range of braid thicknesses. No special tools are needed for assembly.

Styles

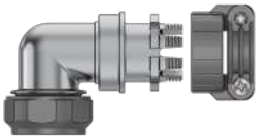
Spin Coupling
- *Individual shields*
- *Non-environmental*

Self-Locking
- *Individual shields*
- *Non-environmental*

Self-Locking Low Profile 90°
- *Individual shields*
- *Non-environmental*

Self-Locking 90° Split
- *Individual shields*
- *Non-environmental*

Banding, Shrink Boot
- *Individual, overall shields*
- *Environmental (requires shrink boot)*
- *Self-locking*



Composite, Banding, Boot
- *Individual, overall shields*
- *Environmental (requires shrink boot)*
- *Self-locking*

Adapter Code **A**
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

TAG Ring Backshell, Spin Coupling
400A*001
Page 40-2

TAG Ring Backshell, Self-Locking
400AS011
Page 40-4

TAG Ring Backshell,90° Self-Locking Low Profile
400AC011
Page 40-5

TAG Ring Backshell,90° Self-Locking Split
400AD011
Page 40-6

TAG Ring Backshell,Self-Locking, Banding, Boot
407A*037
Page 40-7

TAG Ring Backshell, Composite, Banding, Boot
407A*061
Page 40-8

Adapter Code **F**
MIL-DTL-38999 Series I and II

TAG Ring Backshell, Spin Coupling
400F*001
Page 40-9

TAG Ring Backshell, Self-Locking
400FS011
Page 40-11

TAG Ring Backshell,90° Self-Locking Low Profile
400FC011
Page 40-12

TAG Ring Backshell,90° Self-Locking Split
400FD011
Page 40-13

TAG Ring Backshell,Self-Locking, Banding, Boot
407F*037
Page 40-4

TAG Ring Backshell, Composite, Banding, Boot
407F*061
Page 40-15

Adapter Code **H**
MIL-DTL-38999 Series III and IV

TAG Ring Backshell, Spin Coupling
400H*001
Page 40-6

TAG Ring Backshell, Self-Locking
400HS011
Page 40-18

TAG Ring Backshell,90° Self-Locking Low Profile
400HC011
Page 40-19

TAG Ring Backshell,90° Self-Locking Split
400HD011
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TAG Ring Backshell,Self-Locking, Banding, Boot
407H*037
Page 40-21

TAG Ring Backshell, Composite, Banding, Boot
407H*061
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Series 40 TAG Ring® Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

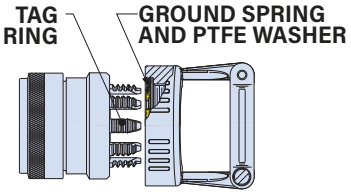
400A*001 TAG Ring® Backshell

Individual shield termination. 400A*001 backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Saddle clamp strain relief
- 3 profiles: straight, 45° and 90°
- No tools required for disassembly and repair

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III



PART NUMBER

	400AS001	M	18	06	L	3

Base P/N

Base Part No.	Profile
400AS001	S Straight
400AA001	A 90°
400AB001	B 45°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size: 08 10 12 14 16 18 20 22 24

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
02	.250 (6.4)	08-24	07	.875 (22.2)	20-24
03	.375 (9.5)	10-24	08	1.000 (25.4)	22-24
04	.500 (12.2)	12-24	09	1.125 (28.6)	24
05	.625 (15.9)	16-24	10	1.250 (31.8)	-
06	.750 (19.1)	18-24			

* *If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

Strain Relief: L Saddle Clamp

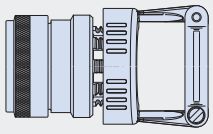
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches

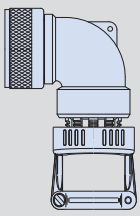
Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

PROFILE SELECTION GUIDE

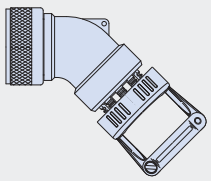
S Straight

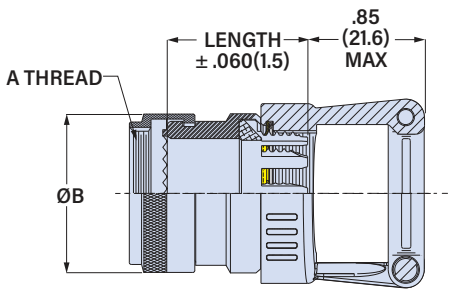


A 90°



B 45°





Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.94	23.9
14	0.875-20 UNEF	1.07	27.2
16	1.000-20 UNEF	1.21	30.7
18	1.0625-18 UNEF	1.23	31.2
20	1.1875-18 UNEF	1.36	34.5
22	1.3125-18 UNEF	1.48	37.6
24	1.4375-18 UNEF	1.73	43.9

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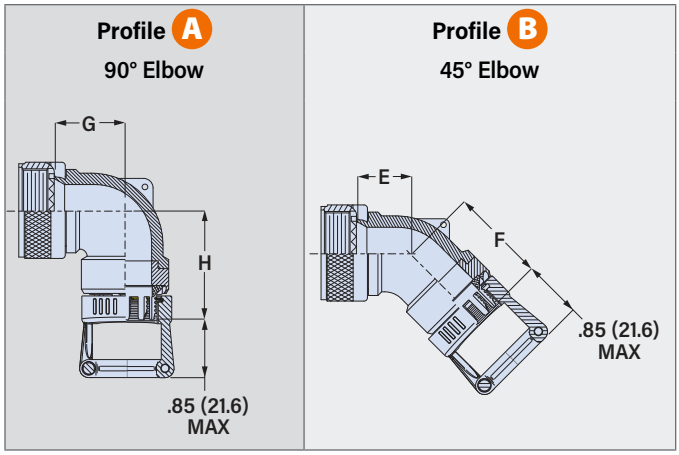
Series 40 TAG Ring® Backshells

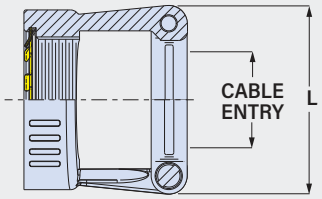
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

400A*001 TAG Ring® Backshell



Shell Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
08	.457	11.6	1.660	42.2	.500	12.7	1.670	42.4
10	.520	13.2	1.720	43.7	.595	15.1	1.790	45.5
12	.582	14.8	1.780	45.2	.610	15.5	1.810	46.0
14	.645	16.4	1.870	47.5	.700	17.8	1.880	47.8
16	.738	18.7	1.980	50.3	.885	22.5	1.970	50.0
18	.926	23.5	2.170	55.1	.975	24.8	2.140	54.4
20	.926	23.5	2.170	55.1	.975	24.8	2.140	54.4
22	1.020	25.9	2.320	58.9	1.125	28.6	2.250	57.2
24	1.020	25.9	2.320	58.9	1.125	28.6	2.250	57.2

STRAIN RELIEF DIMENSIONS



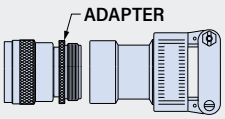
Entry Size	L Max in	L Max mm	Cable Range Min. in	Cable Range Min. mm	Cable Range Max. in	Cable Range Max. mm
02	.968	24.6	.125	3.2	.250	6.4
03	1.046	26.6	.250	6.4	.375	9.5
04	1.156	29.4	.375	9.5	.500	12.7
05	1.218	30.9	.500	12.7	.625	15.9
06	1.343	34.1	.625	15.9	.750	19.1
07	1.468	37.3	.750	19.1	.875	22.2
08	1.593	40.5	.875	22.2	1.000	25.4
09	1.718	43.6	.937	23.8	1.125	28.6
10	1.843	46.8	1.062	27.0	1.250	31.8

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

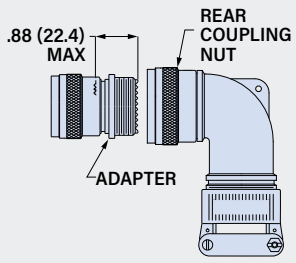
Shell Size	Maximum Entry Size
08	02
10	03
12	04
14	04
16	05
18	06
20	07
22	08
24	09

Style 2 Straight Backshell



The minimum length code increases from 3 (1.5 inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Series 40 TAG Ring® Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

400AS011 TAG Ring® Backshell, Self-Locking, Straight Profile

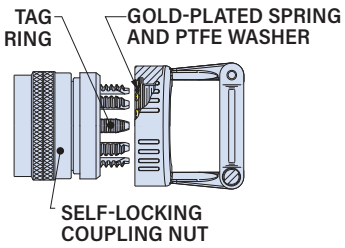
Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Individual shield termination. Self-locking. 400AS011 backshell fits AS50151 crimp, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III, and AS95234connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Self-locking coupling nut
- No tools required for disassembly and repair

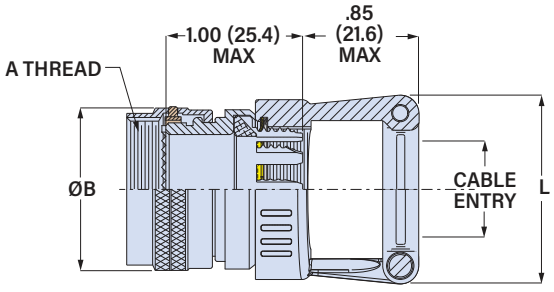


PART NUMBER

	400AS011	M	18	06	L
Base P/N	400AS011				
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc				
Shell Size	**08 10 12 14 16 18 20 22 24**				
Entry Size	*See Table 1*				
Strain Relief	**L** Saddle Clamp				

TABLE 1: ENTRY SIZE

Entry Size	L Max in	L Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.968	24.6	.125	3.2	.250	6.4	3	08-24
03	1.046	26.6	.250	6.4	.375	9.5	4	10-24
04	1.156	29.4	.375	9.5	.500	12.7	6	12-24
05	1.218	30.9	.500	12.7	.625	15.9	8	14-24
06	1.343	34.1	.625	15.9	.750	19.1	10	16-24
07	1.468	37.3	.750	19.1	.875	22.2	10	18-24
08	1.593	40.5	.875	22.2	1.000	25.4	12	20-24
09	1.718	43.6	.937	23.8	1.125	28.6	15	22-24
10	1.843	46.8	1.062	27.0	1.250	31.8	15	24



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	Max. Entry Size
08	0.500-20 UNF	.69	17.5	02
10	0.625-24 UNEF	.82	20.8	03
12	0.750-20 UNEF	.94	23.8	04
14	0.875-20 UNEF	1.06	26.9	05
16	1.000-20 UNEF	1.17	29.7	06
18	1.0625-18 UNEF	1.46	37.1	07
20	1.1875-18 UNEF	1.60	40.6	08
22	1.3125-18 UNEF	1.70	43.2	09
24	1.4375-18 UNEF	1.84	46.7	10

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Series 40 TAG Ring® Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

400AC011 TAG Ring® Backshell, Self-Locking, 90° Low Profile

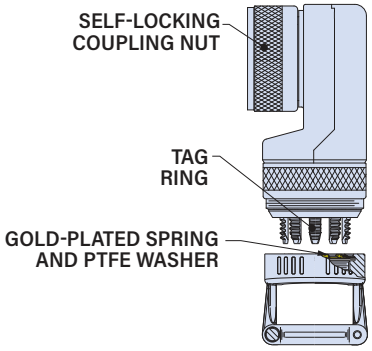
Self-Locking

Individual shield termination. Self-locking. 400AC011 backshell fits AS50151 crimp, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III, and AS95234connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Self-locking coupling nut
- Low profile "Cobra" configuration
- No tools required for disassembly and repair

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

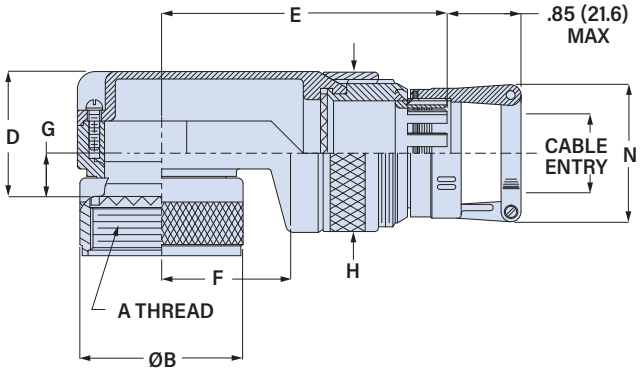


PART NUMBER

	400AC011	M	18	05	L
Base P/N	400AC011				
Material/Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc				
Shell Size	08 10 12 14 16 18 20 22 24				
Entry Size	*See Table 1*				
Strain Relief	L Saddle Clamp				

TABLE 1: ENTRY SIZE

Entry Size	N Max in	N Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.969	24.6	.125	3.2	.250	6.4	3	8-24
03	1.046	26.6	.250	6.4	.375	9.5	4	10-24
04	1.156	29.4	.375	9.5	.500	12.7	6	14-24
05	1.218	30.9	.500	12.7	.625	15.9	8	16-24
06	1.344	34.1	.625	15.9	.750	19.1	10	22-24



Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Ref. in	F Ref. mm	G Ref. in	G Ref. mm	øH ± .031 (0.8) in	øH ± .031 (0.8) mm	øJ ± .031 (0.8) in	øJ ± .031 (0.8) mm	øK ± .031 (0.8) in	øK ± .031 (0.8) mm	Max. Entry Size
08	0.500-20 UNF	.69	17.5	.84	21.3	2.06	52.3	.500	12.7	.504	12.8	.666	16.9	.844	21.4	.688	17.5	02
10	0.625-24 UNEF	.82	20.8	.89	22.6	2.22	56.4	.650	16.5	.432	11.0	.825	21.0	.844	21.4	.812	20.6	03
12	0.750-20 UNEF	.94	23.8	.89	22.6	2.22	56.4	.650	16.5	.432	11.0	.825	21.0	.844	21.4	.812	20.6	03
14	0.875-20 UNEF	1.06	26.9	.99	25.1	2.29	58.2	.720	18.3	.441	11.2	.925	23.5	.984	25.0	.942	23.9	04
16	1.000-20 UNEF	1.17	29.7	1.14	29.0	2.34	59.4	.770	19.6	.575	14.6	1.094	27.8	1.125	28.6	1.066	27.1	05
18	1.0625-18 UNEF	1.46	37.1	1.34	34.0	2.37	60.2	.800	20.3	.796	20.2	1.094	27.8	1.344	34.1	1.066	27.1	05
20	1.1875-18 UNEF	1.60	40.6	1.34	34.0	2.37	60.2	.800	20.3	.796	20.2	1.094	27.8	1.344	34.1	1.066	27.1	05
22	1.3125-18 UNEF	1.70	43.2	1.34	34.0	2.52	64.0	.950	24.1	.695	17.7	1.187	30.1	1.469	37.3	1.192	30.3	06
24	1.4375-18 UNEF	1.84	46.7	1.34	34.0	2.52	64.0	.950	24.1	.695	17.7	1.187	30.1	1.469	37.3	1.192	30.3	06

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Series 40 TAG Ring® Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

400AD011 TAG Ring® Backshell, Self-Locking, 90° Split

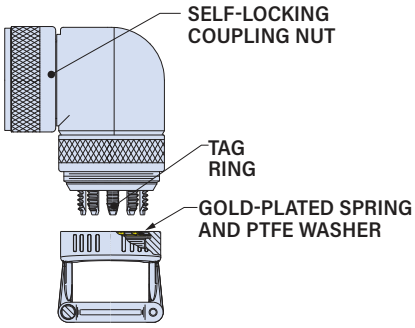
Self-Locking

Individual shield termination. Self-locking. 400AD011 backshell fits AS50151 crimp, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III, and AS95234connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Self-locking coupling nut
- No tools required for disassembly and repair

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

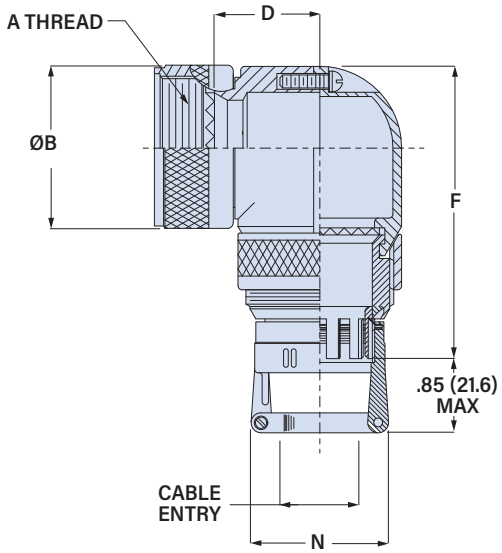


PART NUMBER

	400AD011	M	18	06	L
Base P/N	400AD011				
Material/Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc				
Shell Size	08 10 12 14 16 18 20 22 24				
Entry Size	*See Table 1*				
Strain Relief	L Saddle Clamp				

TABLE 1: ENTRY SIZE

Entry Size	L Max in	L Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.968	24.6	.125	3.2	.250	6.4	3	8-24
03	1.046	26.6	.250	6.4	.375	9.5	4	10-24
04	1.156	29.4	.375	9.5	.500	12.7	6	12-24
05	1.218	30.9	.500	12.7	.625	15.9	8	14-24
06	1.343	34.1	.625	15.9	.750	19.1	10	16-24
07	1.468	37.3	.750	19.1	.875	22.2	10	18-24
08	1.593	40.5	.875	22.2	1.000	25.4	12	20-24
09	1.718	43.6	.937	23.8	1.125	28.6	15	22-24
10	1.843	46.8	1.062	27.0	1.250	31.8	15	24



Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm	D Max. in	D Max. mm	F Max. in	F Max. mm	Max. Entry Size
08	0.500-20 UNF	.69	17.5	.84	21.3	1.86	47.2	02
10	0.625-24 UNEF	.82	20.8	.91	23.1	1.98	50.3	03
12	0.750-20 UNEF	.94	23.8	.97	24.6	2.11	53.6	04
14	0.875-20 UNEF	1.06	26.9	1.03	26.2	2.20	55.9	05
16	1.000-20 UNEF	1.17	29.7	1.09	27.7	2.36	59.9	06
18	1.0625-18 UNEF	1.46	37.1	1.16	29.5	2.48	63.0	07
20	1.1875-18 UNEF	1.60	40.6	1.22	31.0	2.61	66.3	08
22	1.3125-18 UNEF	1.70	43.2	1.28	32.5	2.84	72.1	09
24	1.4375-18 UNEF	1.84	46.7	1.34	34.0	2.95	74.9	10

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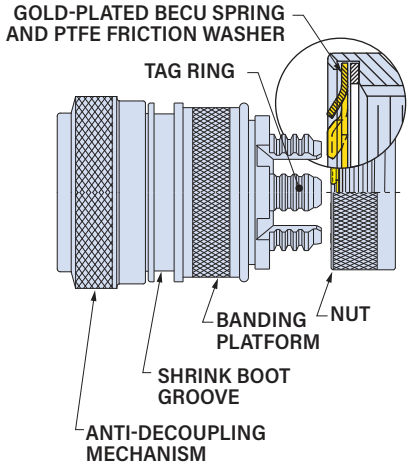
Series 40 TAG Ring® Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

407A*037 TAG Ring® Backshell, Banding, Shrink Boot

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III



Self-locking. Boot groove. Banding platform. 407A*037 backshell fits AS50151 crimp, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III, and AS95234 connectors. Grounding ring has slots for individual cable shields. Attch overall cable shield to banding platform with BandMaster ATS strap (not supplied). Install shrink boot for strain relief and environmental sealing. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or SST. Gold plated copper alloy ground spring, PTFE washer.

- Terminal-And-Grounding (TAG) ring for individual shields
- Banding platform for overall shield
- Gold-plated ground spring
- Self-locking coupling nut
- Groove for lipped shrink boot

PART NUMBER

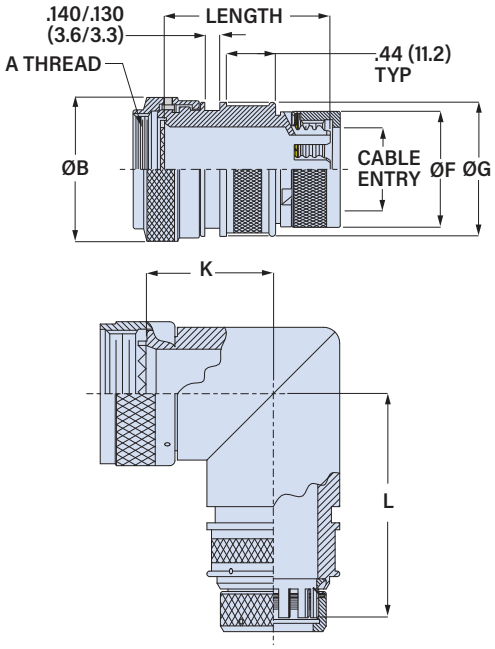
	407AS037	Z1	14	04	G	3	S
Base P/N	**407AS037** Straight **407AJ037** 90°						
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivate						
Shell Size	**08 10 12 14 16 18 20 22 24**						
Entry Size	*See Table 1*						
Strain Relief	**G** Nut						
Length	**3** 1.5 inches **4** 2.0 inches **5** 2.5 inches **6** 3.0 inches						
Self-Locking	**S** Self-Locking Coupling Nut						

Applies to straight profile only (407AS037)

TABLE 1: ENTRY SIZE

Entry Size	F Max in	F Max mm	G Max in	G Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.545	13.8	.650	16.5	.125	3.2	.250	6.4	3	08-24
03	.670	17.0	.774	19.7	.250	6.4	.375	9.5	4	10-24
04	.795	20.2	.963	24.5	.375	6.4	.500	12.7	6	12-24
05	.920	23.4	1.042	26.5	.500	9.5	.625	15.9	8	14-24
06	1.045	26.5	1.217	30.9	.625	12.7	.750	19.1	10	16-24
07	1.170	29.7	1.355	34.4	.750	19.1	.875	22.2	10	20-24
08	1.295	32.9	1.443	36.7	.875	22.2	1.000	25.4	12	22-24
09	1.420	36.1	1.709	43.4	.937	23.8	1.125	28.6	15	24

Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm	K Max. in	K Max. mm	L Max. in	L Max. mm	Max. Entry Size
08	0.500-20 UNF	.69	17.5	.906	23.0	2.35	59.7	02
10	0.625-24 UNEF	.82	20.8	.966	24.5	2.41	61.2	03
12	0.750-20 UNEF	.94	23.8	1.026	26.1	2.47	62.7	04
14	0.875-20 UNEF	1.06	26.9	1.076	27.3	2.54	64.5	05
16	1.000-20 UNEF	1.17	29.7	1.136	28.9	2.60	66.0	06
18	1.0625-18 UNEF	1.46	37.1	1.176	29.9	2.62	66.5	06
20	1.1875-18 UNEF	1.60	40.6	1.236	31.4	2.68	68.1	07
22	1.3125-18 UNEF	1.70	43.2	1.296	32.9	2.76	70.1	08
24	1.4375-18 UNEF	1.84	46.7	1.356	34.4	2.83	71.9	09



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Series 40 TAG Ring® Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

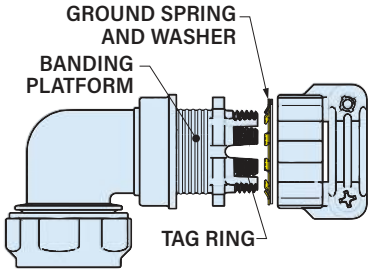
407A*061 TAG Ring® Composite Backshell, Banding, Shrink Boot

Self-locking. Banding platform. Shrink boot accommodation. 407A*061 backshell fits AS50151 crimp, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III, and AS95234 connectors. Grounding ring has slots for individual cable shields. Attach overall cable shield to banding platform with BandMaster ATS strap (not supplied). Install shrink boot for strain relief and environmental sealing.

- Terminal-And-Grounding (TAG) ring for individual shields
- Banding platform for overall shield
- Gold-plated ground spring
- Self-locking coupling nut
- Groove for lipped shrink boot

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III



MATERIAL/FINISH

Adapter: Conductively plated thermoplastic
Coupling nut, strain relief: black composite thermoplastic, unplated
Ground spring: gold-plated copper alloy
Friction washer: PTFE
Saddle clamp hardware: SST

PART NUMBER

	407AS061	XMD	1414	G	3

Base P/N

Base Part No.		Profile	Shell Size
407AS061	S	Straight	08-28
407AT061	T	45°	08-24
407AW061	W	90°	08-28

Adapter Finish

XMD	Electroless Nickel
XWD	Cadmium, Olive Drab
XZD	Black Zinc-Nickel

Shell Size/ Entry Size

Shell Size-Entry Size	Shell Size	Shell Size-Entry Size	Shell Size
0810	08	1816	18
1010	10	2018	20
1212	12	2220	22
1414	14	2424	24
1616	16	2832	28

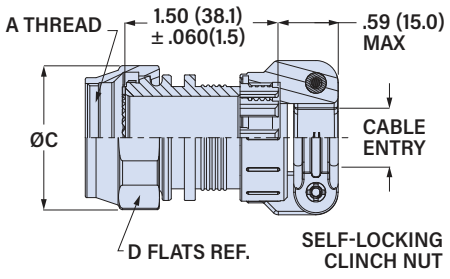
Strain Relief

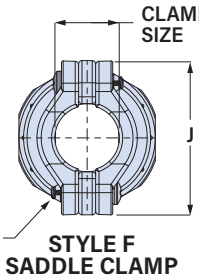
F	Saddle Clamp
G	Nut

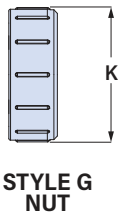
Length

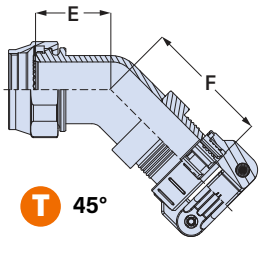
3	1.5 inches	*Omit for 45° and 90° profile. Length code applies to straight profile only.*

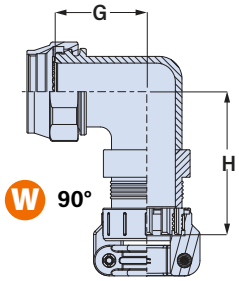
S Straight











Shell Size/ Entry Size	Shell Size	A Thread Class 2B	øC Max. in	øC Max. mm	D Flats (ref) in	D Flats (ref) mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J ± .06 (1.5) in	J ± .06 (1.5) mm	K ± .06 (1.5) in	K ± .06 (1.5) mm	Cable Entry ± .06 (1.5) in	Cable Entry ± .06 (1.5) mm	Clamp Size ± .06 (1.5) in	Clamp Size ± .06 (1.5) mm
0810	08	0.500-20 UNF	.86	21.8	.750	19.1	.841	21.4	1.75	44.5	.906	23.0	2.350	59.7	.94	23.9	.75	19.1	.24	6.1	.31	7.9
1010	10	0.625-24 UNEF	.98	24.9	.875	22.2	.875	22.2	1.78	45.2	.966	24.5	2.410	61.2	.94	23.9	.75	19.1	.24	6.1	.31	7.9
1212	12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.870	22.1	1.80	45.7	1.026	26.1	2.470	62.7	1.17	29.7	.88	22.4	.37	9.4	.40	10.2
1414	14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.878	22.3	1.83	46.5	1.076	27.3	2.540	64.5	1.28	32.5	1.00	25.4	.49	12.4	.52	13.2
1616	16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.900	22.9	1.85	47.0	1.136	28.9	2.600	66.0	1.41	35.8	1.13	28.7	.62	15.7	.59	15.0
1816	18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.910	23.1	1.87	47.5	1.176	29.9	2.620	66.5	1.41	35.8	1.13	28.7	.62	15.7	.59	15.0
2018	20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	.940	23.9	1.89	48.0	1.236	31.4	2.680	68.1	1.54	39.1	1.25	31.8	.74	18.8	.75	19.1
2220	22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	.980	24.9	1.93	49.0	1.296	32.9	2.760	70.1	1.66	42.2	1.38	35.1	.86	21.8	.83	21.1
2424	24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.010	25.7	1.96	49.8	1.356	34.4	2.830	71.9	1.89	48.0	1.63	41.4	1.12	28.4	.95	24.1
2832	28	1.750-18 UNS	2.16	54.8	2.000	50.8	NA	NA	NA	NA	1.416	36.0	2.890	73.4	2.02	51.3	2.00	50.8	1.36	34.5	1.02	25.9

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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series I and II Connectors

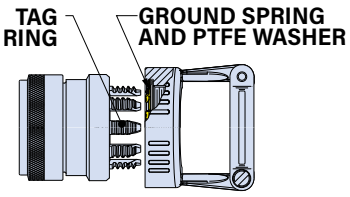
400F*001 TAG Ring® Backshell

Individual shield termination. 400F*001 backshell fits MIL-DTL-38999 Series I and II connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Saddle clamp strain relief
- 3 profiles: straight, 45° and 90°
- No tools required for disassembly and repair

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II



PART NUMBER

	400FS001	M	18	06	L	3

Base P/N

Base Part No.	Profile
400FS001	S Straight
400FA001	A 90°
400FB001	B 45°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
02	.250 (6.4)	08-24	07	.875 (22.2)	20-24
03	.375 (9.5)	10-24	08	1.000 (25.4)	22-24
04	.500 (12.2)	12-24	09	1.125 (28.6)	24
05	.625 (15.9)	14-24	10	1.250 (31.8)	-
06	.750 (19.1)	16-24			

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

Strain Relief

L	Saddle Clamp

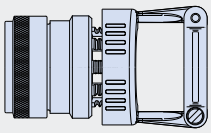
Length

3	1.5 inches
4	2.0 inches
6	3.0 inches

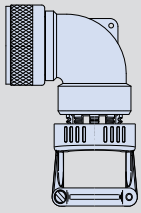
Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.

PROFILE SELECTION GUIDE

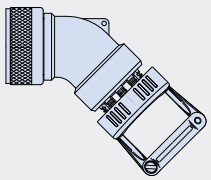
S Straight

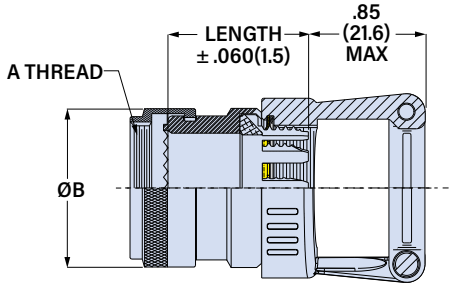


A 90°



B 45°





Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.65	16.5
10/11	0.5625-24	.77	19.6
12/13	0.6875-24	.89	22.6
14/15	0.8125-20	1.02	25.9
16/17	0.9375-20	1.15	30.7
18/19	1.0625-18	1.23	31.2
20/21	1.1875-18	1.36	34.5
22/23	1.3125-18	1.48	37.6
24/25	1.4375-18	1.73	43.9

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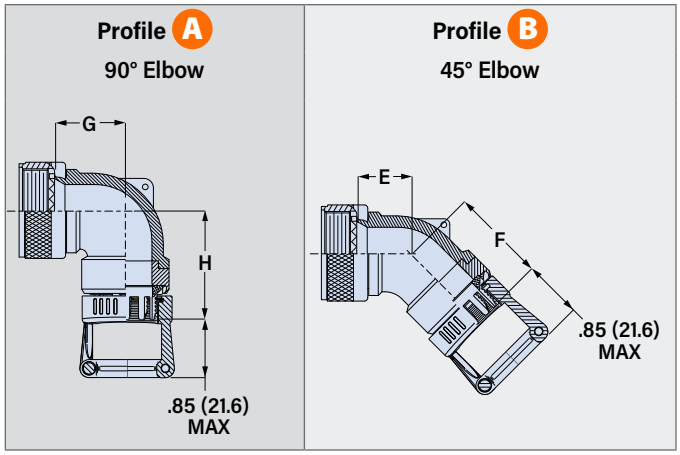
Series 40 TAG Ring® Backshells

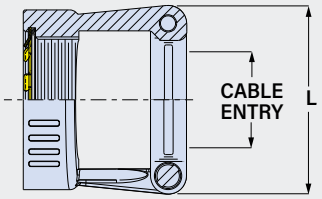
for MIL-DTL-38999 Series I and II Connectors

400F*001 TAG Ring® Backshell



Shell Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
8/9	.457	11.6	1.660	42.2	.500	12.7	1.670	42.4
10/11	.520	13.2	1.720	43.7	.595	15.1	1.790	45.5
12/13	.582	14.8	1.780	45.2	.610	15.5	1.810	46.0
14/15	.645	16.4	1.870	47.5	.700	17.8	1.880	47.8
16/17	.738	18.7	1.980	50.3	.885	22.5	1.970	50.0
18/19	.926	23.5	2.170	55.1	.975	24.8	2.140	54.4
20/21	.926	23.5	2.170	55.1	.975	24.8	2.140	54.4
22/23	1.020	25.9	2.320	58.9	1.125	28.6	2.250	57.2
24/25	1.020	25.9	2.320	58.9	1.125	28.6	2.250	57.2

STRAIN RELIEF DIMENSIONS



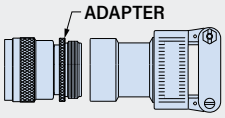
Entry Size	L Max in	L Max mm	Cable Range Min. in	Cable Range Min. mm	Cable Range Max. in	Cable Range Max. mm
02	.968	24.6	.125	3.2	.250	6.4
03	1.046	26.6	.250	6.4	.375	9.5
04	1.156	29.4	.375	9.5	.500	12.7
05	1.218	30.9	.500	12.7	.625	15.9
06	1.343	34.1	.625	15.9	.750	19.1
07	1.468	37.3	.750	19.1	.875	22.2
08	1.593	40.5	.875	22.2	1.000	25.4
09	1.718	43.6	.937	23.8	1.125	28.6
10	1.843	46.8	1.062	27.0	1.250	31.8

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

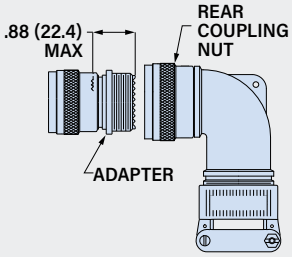
Shell Size	Maximum Entry Size
8/9	02
10/11	03
12/13	04
14/15	05
16/17	06
18/19	06
20/21	07
22/23	08
24/25	09

Style 2 Straight Backshell



The minimum length code increases from 3 (1.5 inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series I and II Connectors

400FS011 TAG Ring® Backshell, Self-Locking, Straight Profile

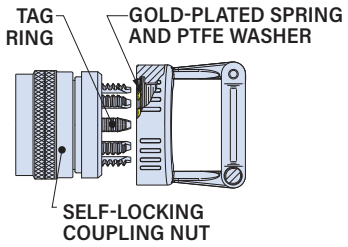
Self-Locking

Individual shield termination. Self-locking. 400FS011 backshell fits MIL-DTL-38999 Series I and II connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Aluminum alloy cable clamp, SST hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Self-locking coupling nut
- No tools required for disassembly and repair

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II



PART NUMBER

	400FS011	NF	16	04	L

Base P/N — 400FS011

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

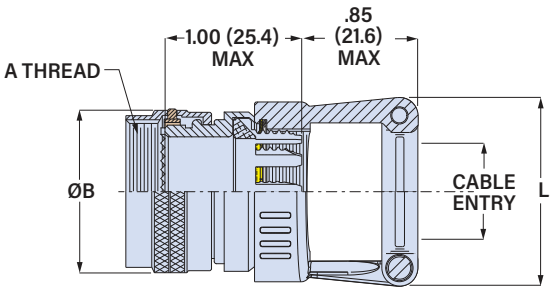
	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

Strain Relief — L Saddle Clamp

TABLE 1: ENTRY SIZE

Entry Size	L Max in	L Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.968	24.6	.125	3.2	.250	6.4	3	08-24
03	1.046	26.6	.250	6.4	.375	9.5	4	10-24
04	1.156	29.4	.375	9.5	.500	12.7	6	12-24
05	1.218	30.9	.500	12.7	.625	15.9	8	14-24
06	1.343	34.1	.625	15.9	.750	19.1	10	16-24
07	1.468	37.3	.750	19.1	.875	22.2	10	18-24
08	1.593	40.5	.875	22.2	1.000	25.4	12	20-24
09	1.718	43.6	.937	23.8	1.125	28.6	15	22-24
10	1.843	46.8	1.062	27.0	1.250	31.8	15	24



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	Max. Entry Size
8/9	0.4375-28	.86	21.8	02
10/11	0.5625-24	.97	24.6	03
12/13	0.6875-24	1.11	28.2	04
14/15	0.8125-20	1.21	30.7	05
16/17	0.9375-20	1.35	34.3	06
18/19	1.0625-18	1.46	37.1	07
20/21	1.1875-18	1.60	40.6	08
22/23	1.3125-18	1.70	43.2	09
24/25	1.4375-18	1.84	46.7	10

Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series I and II Connectors

400FC011 TAG Ring® Backshell, Self-Locking, Split, 90° Low Profile

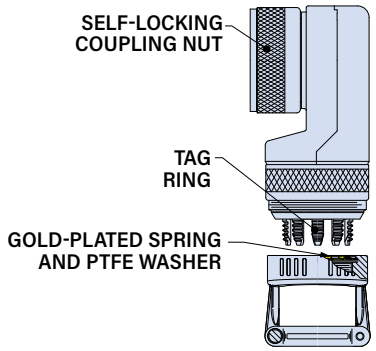
Self-Locking

Individual shield termination. Self-locking. 400FC011 backshell fits MIL-DTL-38999 Series I and Series II connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Self-locking coupling nut
- Low profile "Cobra" configuration
- No tools required for disassembly and repair

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II



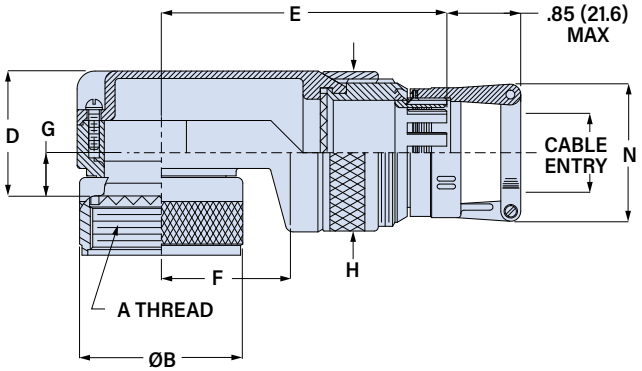
PART NUMBER

400FC011	ZR	20	05	L

Base P/N	**400FC011**	
Material/Finish	**M**	Alum/ Electroless Nickel
	MT	Alum/ Nickel-PTFE
	NF	Alum/ Olive Drab Cadmium
	ZR	Alum/ Black Zinc-Nickel
	TZ	Alum/ Tin-Zinc
Shell Size		Shell Size: 38999 Series I: 9, 11, 13, 15, 17, 19, 21, 23, 25 / 38999 Series II: 8, 10, 12, 14, 16, 18, 20, 22, 24 / Size Code: **08, 10, 12, 14, 16, 18, 20, 22, 24**
Entry Size	*See Table 1*	
Strain Relief	**L**	Saddle Clamp

TABLE 1: ENTRY SIZE

Entry Size	N Max in	N Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.969	24.6	.125	3.2	.250	6.4	3	08-24
03	1.046	26.6	.250	6.4	.375	9.5	4	10-24
04	1.156	29.4	.375	9.5	.500	12.7	6	14-24
05	1.218	30.9	.500	12.7	.625	15.9	8	16-24
06	1.344	34.1	.625	15.9	.750	19.1	10	22-24



Shell Size	A Thread UNEF-2B	øB Max. in	øB Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Ref. in	F Ref. mm	G Ref. in	G Ref. mm	øH ± .031 (0.8) in	øH ± .031 (0.8) mm	øJ ± .031 (0.8) in	øJ ± .031 (0.8) mm	øK ± .031 (0.8) in	øK ± .031 (0.8) mm	Max. Entry Size
8/9	0.4375-28	.86	21.8	.84	21.3	2.06	52.3	.500	12.7	.504	12.8	.666	16.9	.844	21.4	.688	17.5	02
10/11	0.5625-24	.97	24.6	.89	22.6	2.22	56.4	.650	16.5	.432	11.0	.825	21.0	.844	21.4	.812	20.6	03
12/13	0.6875-24	1.11	28.2	.89	22.6	2.22	56.4	.650	16.5	.432	11.0	.825	21.0	.844	21.4	.812	20.6	03
14/15	0.8125-20	1.21	30.7	.99	25.1	2.29	58.2	.720	18.3	.441	11.2	.925	23.5	.984	25.0	.942	23.9	04
16/17	0.9375-20	1.35	34.3	1.14	29.0	2.34	59.4	.770	19.6	.575	14.6	1.094	27.8	1.125	28.6	1.066	27.1	05
18/19	1.0625-18	1.46	37.1	1.34	34.0	2.37	60.2	.800	20.3	.796	20.2	1.094	27.8	1.344	34.1	1.066	27.1	05
20/21	1.1875-18	1.60	40.6	1.34	34.0	2.37	60.2	.800	20.3	.796	20.2	1.094	27.8	1.344	34.1	1.066	27.1	05
22/23	1.3125-18	1.70	43.2	1.34	34.0	2.52	64.0	.950	24.1	.695	17.7	1.187	30.1	1.469	37.3	1.192	30.3	06
24/25	1.4375-18	1.84	46.7	1.34	34.0	2.52	64.0	.950	24.1	.695	17.7	1.187	30.1	1.469	37.3	1.192	30.3	06

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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series I and II Connectors

400FD011 TAG Ring® Backshell, Self-Locking, Split, 90°

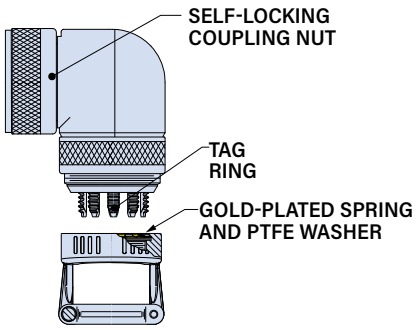
Self-Locking

Individual shield termination. Self-locking. 400FD011 backshell fits MIL-DTL-38999 Series I and Series II connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Self-locking coupling nut
- No tools required for disassembly and repair

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II



PART NUMBER

	400FD011	NF	22	09	L
Base P/N	400FD011				
Material/Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc				
Shell Size					
Entry Size	*See Table 1*				
Strain Relief	L Saddle Clamp				

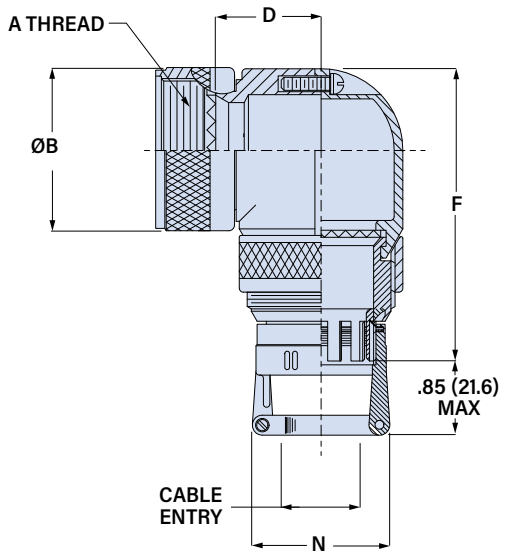
Shell Size

38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

TABLE 1: ENTRY SIZE

Entry Size	L Max in	L Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.968	24.6	.125	3.2	.250	6.4	3	8-24
03	1.046	26.6	.250	6.4	.375	9.5	4	10-24
04	1.156	29.4	.375	9.5	.500	12.7	6	12-24
05	1.218	30.9	.500	12.7	.625	15.9	8	14-24
06	1.343	34.1	.625	15.9	.750	19.1	10	16-24
07	1.468	37.3	.750	19.1	.875	22.2	10	18-24
08	1.593	40.5	.875	22.2	1.000	25.4	12	20-24
09	1.718	43.6	.937	23.8	1.125	28.6	15	22-24
10	1.843	46.8	1.062	27.0	1.250	31.8	15	24

Shell Size	A Thread UNEF-2B	øB Max. in	øB Max. mm	D Max. in	D Max. mm	F Max. in	F Max. mm	Max. Entry Size
8/9	0.4375-28	.86	21.8	.84	21.3	1.86	47.2	02
10/11	0.5625-24	.97	24.6	.91	23.1	1.98	50.3	03
12/13	0.6875-24	1.11	28.2	.97	24.6	2.11	53.6	04
14/15	0.8125-20	1.21	30.7	1.03	26.2	2.20	55.9	05
16/17	0.9375-20	1.35	34.3	1.09	27.7	2.36	59.9	06
18/19	1.0625-18	1.46	37.1	1.16	29.5	2.48	63.0	07
20/21	1.1875-18	1.60	40.6	1.22	31.0	2.61	66.3	08
22/23	1.3125-18	1.70	43.2	1.28	32.5	2.84	72.1	09
24/25	1.4375-18	1.84	46.7	1.34	34.0	2.95	74.9	10



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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series I and II Connectors

407F*037 TAG Ring® Backshell, Banding, Shrink Boot

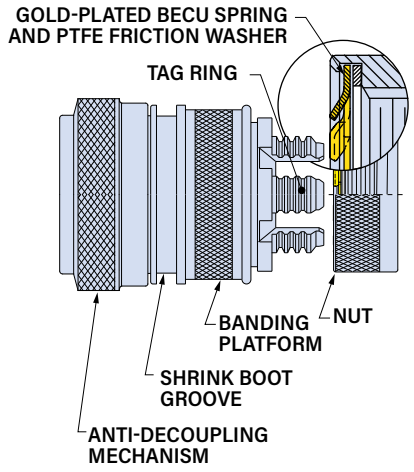
Self-Locking

Self-locking. Boot groove. Banding platform. 407F*037 backshell fits MIL-DTL-38999 Series I and II connectors. Grounding ring has slots for individual cable shields. Attch overall cable shield to banding platform with BandMaster ATS strap (not supplied). Install shrink boot for strain relief and environmental sealing. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or SST. Gold plated copper alloy ground spring, PTFE washer. Silicone O-ring.

- Terminal-And-Grounding (TAG) ring for individual shields
- Banding platform for overall shield
- Gold-plated ground spring
- Self-locking coupling nut
- Groove for lipped shrink boot

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II



PART NUMBER

	407FS037	Z1	14	04	G	3	S

Base P/N	**407FS037**	Straight
	407FJ037	90°
Material/Finish	**M**	Alum/ Electroless Nickel
	MT	Alum/ Nickel-PTFE
	NF	Alum/ Olive Drab Cadmium
	ZR	Alum/ Black Zinc-Nickel
	TZ	Alum/ Tin-Zinc
	Z1	SST/ Passivate

Shell Size

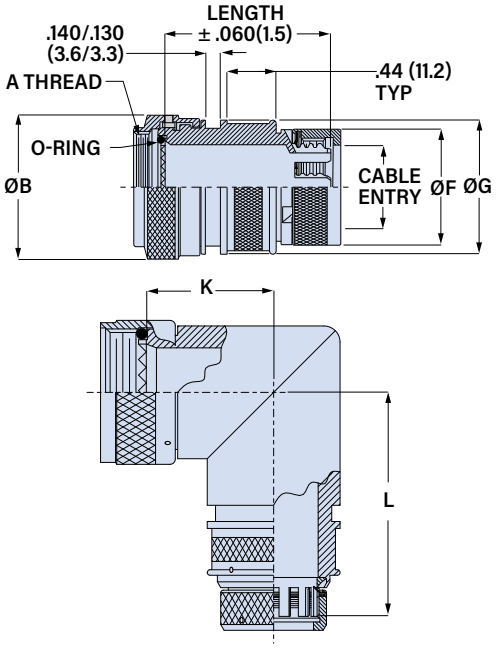
	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**

Entry Size	*See Table 1*	
Strain Relief	**G**	Nut
Length	**3**	1.5 inches
	4	2.0 inches
	5	2.5 inches
	6	3.0 inches
	Applies to straight profile only (407FS037)	
Self-Locking	**S**	Self-Locking Coupling Nut

TABLE 1: ENTRY SIZE

Entry Size	F Max in	F Max mm	G Max in	G Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.545	13.8	.650	16.5	.125	3.2	.250	6.4	3	08-24
03	.670	17.0	.774	19.7	.250	6.4	.375	9.5	4	10-24
04	.795	20.2	.963	24.5	.375	6.4	.500	12.7	6	12-24
05	.920	23.4	1.042	26.5	.500	9.5	.625	15.9	8	14-24
06	1.045	26.5	1.217	30.9	.625	12.7	.750	19.1	10	16-24
07	1.170	29.7	1.355	34.4	.750	19.1	.875	22.2	10	18-24
08	1.295	32.9	1.443	36.7	.875	22.2	1.000	25.4	12	20-24
09	1.420	36.1	1.709	43.4	.937	23.8	1.125	28.6	15	22-24
10	1.670	42.4	1.919	48.7	1.062	27.0	1.250	31.8	15	24

Shell Size	A Thread UNEF-2B	øB Max. in	øB Max. mm	K Max. in	K Max. mm	L Max. in	L Max. mm	Max. Entry Size
8/9	0.4375-28	.86	21.8	.906	23.0	2.35	59.7	**02**
10/11	0.5625-24	.97	24.6	.966	24.5	2.41	61.2	**03**
12/13	0.6875-24	1.11	28.2	1.026	26.1	2.47	62.7	**04**
14/15	0.8125-20	1.21	30.7	1.076	27.3	2.54	64.5	**05**
16/17	0.9375-20	1.35	34.3	1.136	28.9	2.60	66.0	**06**
18/19	1.0625-18	1.46	37.1	1.176	29.9	2.62	66.5	**07**
20/21	1.1875-18	1.60	40.6	1.236	31.4	2.68	68.1	**08**
22/23	1.3125-18	1.70	43.2	1.296	32.9	2.76	70.1	**09**
24/25	1.4375-18	1.84	46.7	1.356	34.4	2.83	71.9	**10**



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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series I and II Connectors

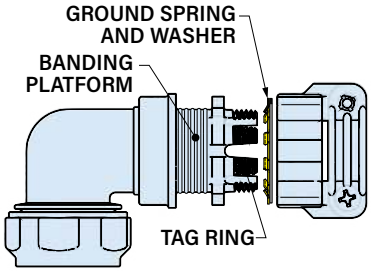
407F*061 TAG Ring® Composite Backshell, Banding, Shrink Boot

Self-locking. Banding platform. Shrink boot accommodation. 407F*061 backshell fits MIL-DTL-38999 Series I and II connectors. Grounding ring has slots for individual cable shields. Attach overall cable shield to banding platform with BandMaster ATS strap (not supplied). Install shrink boot for strain relief and environmental sealing.

- Terminal-And-Grounding (TAG) ring for individual shields
- Banding platform for overall shield
- Gold-plated ground spring
- Self-locking coupling nut
- Groove for lipped shrink boot

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II



MATERIAL/FINISH

Adapter: Conductively plated thermoplastic
Coupling nut, strain relief: black composite thermoplastic
Ground spring: gold-plated copper alloy
Friction washer: PTFE
Saddle clamp hardware: SST
O-ring: silicone

PART NUMBER

	407FS061	XMD	1414	G	3

Base P/N

Base Part No.		Profile	Shell Size
407FS061	S	Straight	08-28
407FT061	T	45°	08-24
407FW061	W	90°	08-28

Adapter Finish

XMD	Electroless Nickel
XWD	Cadmium, Olive Drab
XZD	Black Zinc-Nickel

Shell Size/ Entry Size

Shell Size-Entry Size	Shell Size	Shell Size-Entry Size	Shell Size
0810	08	1816	18
1010	10	2018	20
1212	12	2220	22
1414	14	2424	24
1616	16		

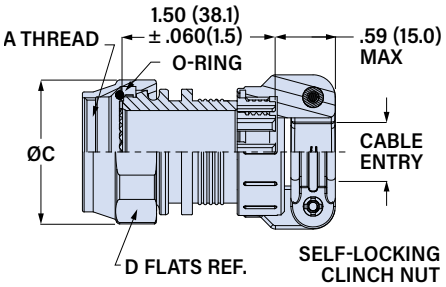
Strain Relief

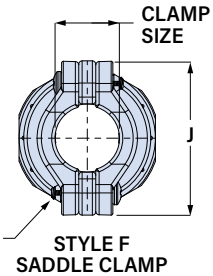
F	Saddle Clamp
G	Nut

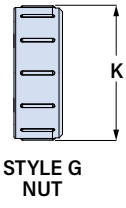
Length

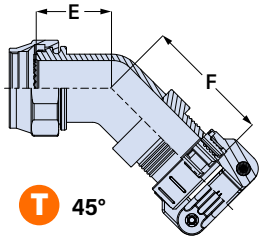
3	1.5 inches	*Omit for 90° profile. Length code applies to straight profile only.*

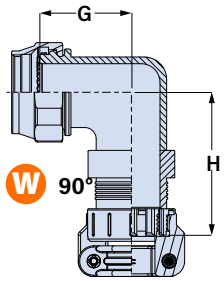
S Straight











Shell Size/ Entry Size	Shell Size	A Thread UNEF-2B	øC Max. in	øC Max. mm	D Flats (ref) in	D Flats (ref) mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J ± .06 (1.5) in	J ± .06 (1.5) mm	K ± .06 (1.5) in	K ± .06 (1.5) mm	Cable Entry ± .06 (1.5) in	Cable Entry ± .06 (1.5) mm	Clamp Size ± .06 (1.5) in	Clamp Size ± .06 (1.5) mm
0810	8/9	0.4375-28	.86	21.8	.75	19.1	.841	21.4	1.75	44.5	.906	23.0	2.350	59.7	.94	23.9	.75	19.1	.24	6.1	.31	7.9
1010	10/11	0.5625-24	.98	24.9	.88	22.4	.875	22.2	1.78	45.2	.966	24.5	2.410	61.2	.94	23.9	.75	19.1	.24	6.1	.31	7.9
1212	12/13	0.6875-24	1.16	29.5	1.00	25.4	.870	22.1	1.80	45.7	1.026	26.1	2.470	62.7	1.17	29.7	.88	22.4	.37	9.4	.40	10.2
1414	14/15	0.8125-20	1.28	32.5	1.13	28.7	.878	22.3	1.83	46.5	1.076	27.3	2.540	64.5	1.28	32.5	1.00	25.4	.49	12.4	.52	13.2
1616	16/17	0.9375-20	1.41	35.8	1.25	31.8	.900	22.9	1.85	47.0	1.136	28.9	2.600	66.0	1.41	35.8	1.13	28.7	.62	15.7	.59	15.0
1816	18/19	1.0625-18	1.52	38.6	1.38	35.1	.910	23.1	1.87	47.5	1.176	29.9	2.620	66.5	1.41	35.8	1.13	28.7	.62	15.7	.59	15.0
2018	20/21	1.1875-18	1.64	41.7	1.50	38.1	.940	23.9	1.89	48.0	1.236	31.4	2.680	68.1	1.54	39.1	1.25	31.8	.74	18.8	.75	19.1
2220	22/23	1.3125-18	1.77	45.0	1.63	41.4	.980	24.9	1.93	49.0	1.296	32.9	2.760	70.1	1.66	42.2	1.38	35.1	.86	21.8	.83	21.1
2424	24/25	1.4375-18	1.89	48.0	1.75	44.5	1.010	25.7	1.96	49.8	1.356	34.4	2.830	71.9	1.89	48.0	1.63	41.4	1.12	28.4	.95	24.1

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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series III and IV Connectors

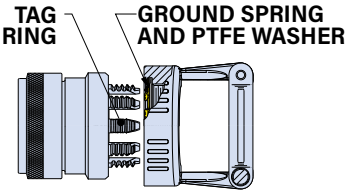
400H*001 TAG Ring® Backshell

Individual shield termination. 400H*001 backshell fits MIL-DTL-38999 Series III and IV connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Saddle clamp strain relief
- 3 profiles: straight, 45° and 90°
- No tools required for disassembly and repair

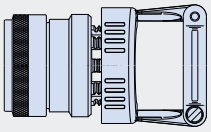
Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

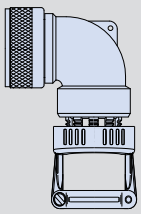


PROFILE SELECTION GUIDE

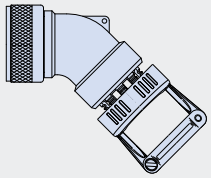
S Straight



A 90°



B 45°



PART NUMBER

	400HS001	M	19	06	L	3

Base P/N

Base Part No.	Profile
400HS001	S Straight
400HA001	A 90°
400HB001	B 45°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Entry Size	Max. Cable Dia.	Shell Size*	Entry Size	Max. Cable Dia.	Shell Size*
02	.250 (6.4)	09-25	07	.875 (22.2)	21-25
03	.375 (9.5)	11-25	08	1.000 (25.4)	23-25
04	.500 (12.2)	13-25	09	1.125 (28.6)	25
05	.625 (15.9)	15-25	10	1.250 (31.8)	-
06	.750 (19.1)	17-25			

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details.*

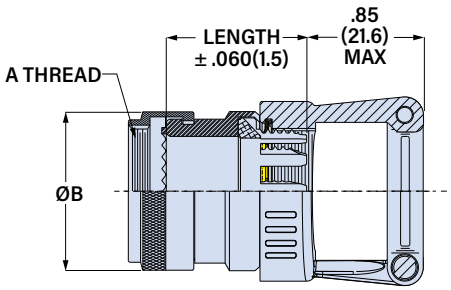
Strain Relief

L	Saddle Clamp

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 2 inch minimum applies.



Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.77	19.6
11 (B)	M15X1.0-6H	.84	21.3
13 (C)	M18X1.0-6H	.96	24.4
15 (D)	M22X1.0-6H	1.09	27.7
17 (E)	M25X1.0-6H	1.23	31.2
19 (F)	M28X1.0-6H	1.36	34.5
21 (G)	M31X1.0-6H	1.48	37.6
23 (H)	M34X1.0-6H	1.60	40.6
25 (J)	M37X1.0-6H	1.72	43.7

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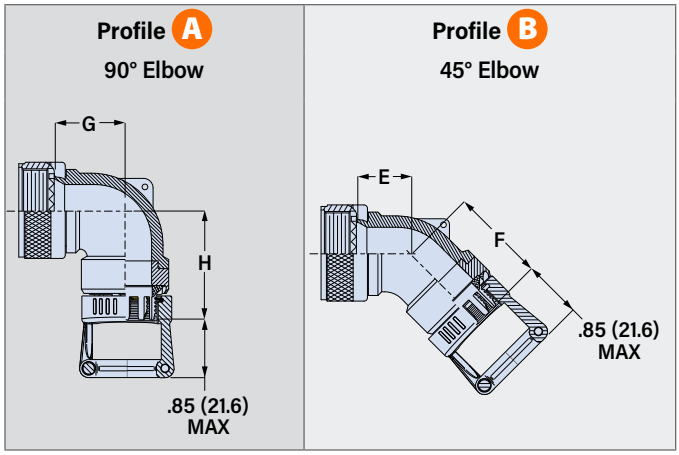
Series 40 TAG Ring® Backshells

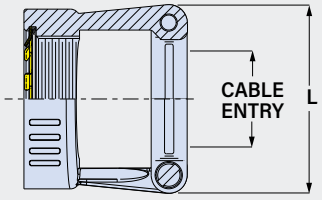
for MIL-DTL-38999 Series III and IV Connectors

400H*001 TAG Ring® Backshell



Shell Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
9 (A)	.457	11.6	1.660	42.2	.500	12.7	1.670	42.4
11 (B)	.520	13.2	1.720	43.7	.595	15.1	1.790	45.5
13 (C)	.582	14.8	1.780	45.2	.610	15.5	1.810	46.0
15 (D)	.645	16.4	1.870	47.5	.700	17.8	1.880	47.8
17 (E)	.738	18.7	1.980	50.3	.885	22.5	1.970	50.0
19 (F)	.926	23.5	2.170	55.1	.975	24.8	2.140	54.4
21 (G)	.926	23.5	2.170	55.1	.975	24.8	2.140	54.4
23 (H)	1.020	25.9	2.320	58.9	1.125	28.6	2.250	57.2
25 (J)	1.020	25.9	2.320	58.9	1.125	28.6	2.250	57.2

STRAIN RELIEF DIMENSIONS



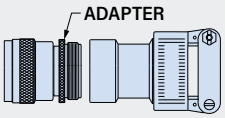
Entry Size	L Max in	L Max mm	Cable Range Min. in	Cable Range Min. mm	Cable Range Max. in	Cable Range Max. mm
02	.968	24.6	.125	3.2	.250	6.4
03	1.046	26.6	.250	6.4	.375	9.5
04	1.156	29.4	.375	9.5	.500	12.7
05	1.218	30.9	.500	12.7	.625	15.9
06	1.343	34.1	.625	15.9	.750	19.1
07	1.468	37.3	.750	19.1	.875	22.2
08	1.593	40.5	.875	22.2	1.000	25.4
09	1.718	43.6	.937	23.8	1.125	28.6
10	1.843	46.8	1.062	27.0	1.250	31.8

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

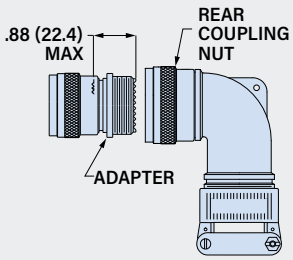
Shell Size	Maximum Entry Size
9 (A)	02
11 (B)	03
13 (C)	04
15 (D)	05
17 (E)	06
19 (F)	06
21 (G)	07
23 (H)	08
25 (J)	09

Style 2 Straight Backshell



The minimum length code increases from 3 (1.5 inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the length increases by .88 inches.

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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series III and IV Connectors

400HS011 TAG Ring® Backshell, Self-Locking, Low Profile

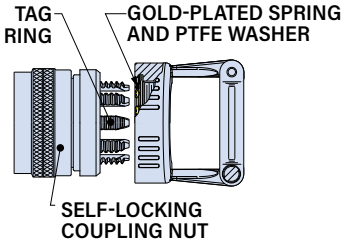
Self-Locking

Individual shield termination. Self-locking. 400HS011 backshell fits MIL-DTL-38999 Series III and IV connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Aluminum alloy saddle clamp, SST hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Self-locking coupling nut
- No tools required for disassembly and repair

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

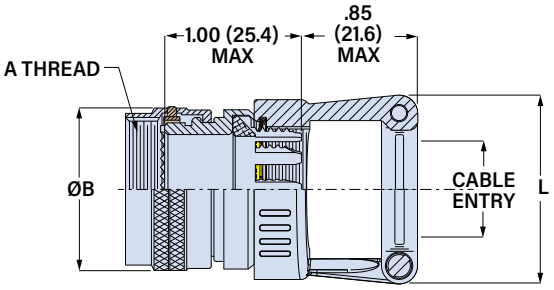


PART NUMBER

	400HS011	M	17	06	L
Base P/N	400HS011				
Material/Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc				
Shell Size	Shell Size: 9 11 13 15 17 19 21 23 25 A B C D E F G H J Size Code: 09 11 13 15 17 19 21 23 25				
Entry Size	*See Table 1*				
Strain Relief	L Saddle Clamp				

TABLE 1: ENTRY SIZE

Entry Size	L Max in	L Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.968	24.6	.125	3.2	.250	6.4	3	09-25
03	1.046	26.6	.250	6.4	.375	9.5	4	11-25
04	1.156	29.4	.375	9.5	.500	12.7	6	13-25
05	1.218	30.9	.500	12.7	.625	15.9	8	15-25
06	1.343	34.1	.625	15.9	.750	19.1	10	17-25
07	1.468	37.3	.750	19.1	.875	22.2	10	19-25
08	1.593	40.5	.875	22.2	1.000	25.4	12	21-25
09	1.718	43.6	.937	23.8	1.125	28.6	15	23-25
10	1.843	46.8	1.062	27.0	1.250	31.8	15	25



Shell Size	A Thread	øB Max in	øB Max mm	Max. Entry Size
9 (A)	M12X1.0-6H	.94	23.9	02
11 (B)	M15X1.0-6H	1.06	26.9	03
13 (C)	M18X1.0-6H	1.17	29.7	04
15 (D)	M22X1.0-6H	1.29	32.8	05
17 (E)	M25X1.0-6H	1.42	36.1	06
19 (F)	M28X1.0-6H	1.54	39.1	07
21 (G)	M31X1.0-6H	1.67	42.4	08
23 (H)	M34X1.0-6H	2.01	51.1	09
25 (J)	M37X1.0-6H	2.12	53.8	10

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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series III and IV Connectors

400HC011 TAG Ring® Backshell, Self-Locking, Split, 90° Low Profile

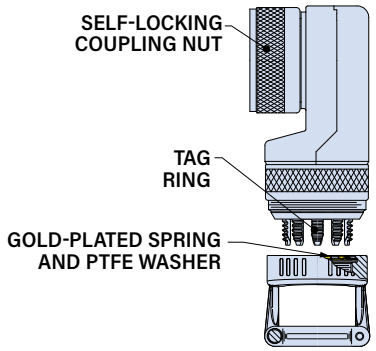
Self-Locking

Individual shield termination. Self-locking. 400HC011 backshell fits MIL-DTL-38999 Series III and Series IV connectors. Non-environmental. Grounding ring has slots for individual cable shields. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Self-locking coupling nut
- Low profile "Cobra" configuration
- No tools required for disassembly and repair

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

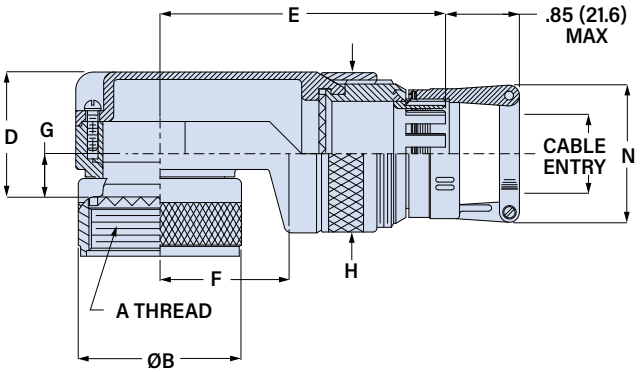


PART NUMBER

	400HC011	ZR	21	06	L
Base P/N	400HC011				
Material/Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc				
Shell Size	Shell Size: 9 11 13 15 17 19 21 23 25 A B C D E F G H J Size Code: 09 11 13 15 17 19 21 23 25				
Entry Size	*See Table 1*				
Strain Relief	L Saddle Clamp, Light Duty				

TABLE 1: ENTRY SIZE

Entry Size	L Max in	L Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.969	24.6	.125	3.2	.250	6.4	3	09-25
03	1.046	26.6	.250	6.4	.375	9.5	4	11-25
04	1.156	29.4	.375	9.5	.500	12.7	6	15-25
05	1.218	30.9	.500	12.7	.625	15.9	8	17-25
06	1.344	34.1	.625	15.9	.750	19.1	10	23-25



DIMENSIONS

Shell Size	A Thread	øB Max in	øB Max mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Ref. in	F Ref. mm	G Ref. in	G Ref. mm	øH ± .031 (0.8) in	øH ± .031 (0.8) mm	øJ ± .031 (0.8) in	øJ ± .031 (0.8) mm	øK ± .031 (0.8) in	øK ± .031 (0.8) mm	Max. Entry Size
9 (A)	M12X1.0-6H	.94	24.8	.84	21.3	2.06	52.3	.500	12.7	.504	12.8	.666	16.9	.844	21.4	.688	17.5	02
11 (B)	M15X1.0-6H	1.06	26.9	.89	22.6	2.22	56.4	.650	16.5	.432	11.0	.825	21.0	.844	21.4	.812	20.6	03
13 (C)	M18X1.0-6H	1.17	29.7	.89	22.6	2.22	56.4	.650	16.5	.432	11.0	.825	21.0	.844	21.4	.812	20.6	03
15 (D)	M22X1.0-6H	1.29	32.7	.99	25.1	2.29	58.2	.720	18.3	.441	11.2	.925	23.5	.984	25.0	.942	23.9	04
17 (E)	M25X1.0-6H	1.42	36.1	1.14	29.0	2.34	59.4	.770	19.6	.575	14.6	1.094	27.8	1.125	28.6	1.066	27.1	05
19 (F)	M28X1.0-6H	1.54	39.1	1.34	34.0	2.37	60.2	.800	20.3	.796	20.2	1.094	27.8	1.344	34.1	1.066	27.1	05
21 (G)	M31X1.0-6H	1.67	42.4	1.34	34.0	2.37	60.2	.800	20.3	.796	20.2	1.094	27.8	1.344	34.1	1.066	27.1	05
23 (H)	M34X1.0-6H	2.01	51.1	1.34	34.0	2.52	64.0	.950	24.1	.695	17.7	1.187	30.1	1.469	37.3	1.192	30.3	06
25 (J)	M37X1.0-6H	2.12	53.8	1.34	34.0	2.52	64.0	.950	24.1	.695	17.7	1.187	30.1	1.469	37.3	1.192	30.3	06

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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series III and IV Connectors

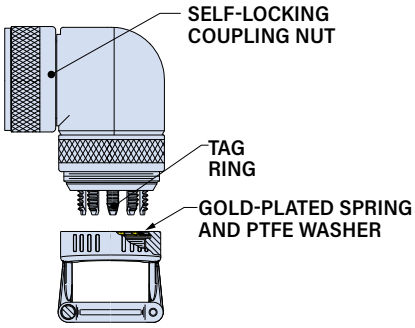
400HD011 TAG Ring® Backshell, Self-Locking, Split, 90°

Individual shield termination. Self-locking. 400HD011 backshell fits MIL-DTL-38999 Series III and Series IV connectors. Spin coupling, non-environmental. Grounding ring has slots for individual cable shields. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Coupling nut, adapter and ground ring are aluminum alloy. Gold plated copper alloy ground spring, PTFE washer. Saddle clamp is aluminum alloy with stainless steel hardware.

- Terminal-And-Grounding (TAG) ring for individual shields
- Gold-plated ground spring
- Self-locking coupling nut
- No tools required for disassembly and repair

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV



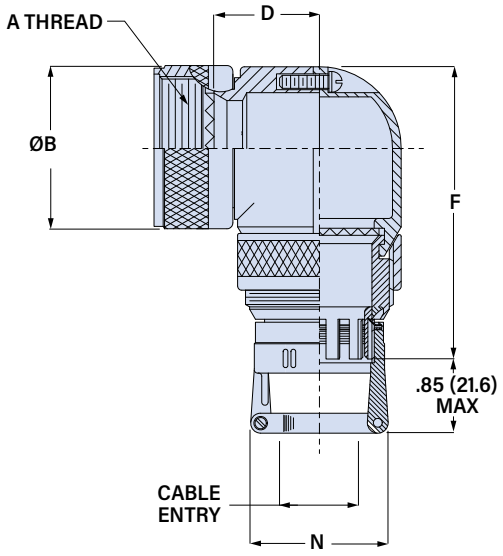
PART NUMBER

	400HD011	MT	11	03	L

Base P/N	**400HD011**	
Material/Finish	**M**	Alum/ Electroless Nickel
	MT	Alum/ Nickel-PTFE
	NF	Alum/ Olive Drab Cadmium
	ZR	Alum/ Black Zinc-Nickel
	TZ	Alum/ Tin-Zinc
Shell Size	Shell Size: 9 11 13 15 17 19 21 23 25	
	Size Code: A B C D E F G H J	
	Size Code: **09 11 13 15 17 19 21 23 25**	
Entry Size	*See Table 1*	
Strain Relief	**L**	Saddle Clamp

TABLE 1: ENTRY SIZE

Entry Size	L Max in	L Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.968	24.6	.125	3.2	.250	6.4	3	09-25
03	1.046	26.6	.250	6.4	.375	9.5	4	11-25
04	1.156	29.4	.375	9.5	.500	12.7	6	13-25
05	1.218	30.9	.500	12.7	.625	15.9	8	15-25
06	1.343	34.1	.625	15.9	.750	19.1	10	17-25
07	1.468	37.3	.750	19.1	.875	22.2	10	19-25
08	1.593	40.5	.875	22.2	1.000	25.4	12	21-25
09	1.718	43.6	.937	23.8	1.125	28.6	15	23-25
10	1.843	46.8	1.062	27.0	1.250	31.8	15	25



Shell Size	A Thread	øB Max in	øB Max mm	D Max. in	D Max. mm	F Max. in	F Max. mm	Max. Entry Size
9 (A)	M12X1.0-6H	.94	23.9	.84	21.3	1.86	47.2	02
11 (B)	M15X1.0-6H	1.06	26.9	.91	23.1	1.98	50.3	03
13 (C)	M18X1.0-6H	1.17	29.7	.97	24.6	2.11	53.6	04
15 (D)	M22X1.0-6H	1.29	32.8	1.03	26.2	2.20	55.9	05
17 (E)	M25X1.0-6H	1.42	36.1	1.09	27.7	2.36	59.9	06
19 (F)	M28X1.0-6H	1.54	39.1	1.16	29.5	2.48	63.0	07
21 (G)	M31X1.0-6H	1.67	42.4	1.22	31.0	2.61	66.3	08
23 (H)	M34X1.0-6H	2.01	51.1	1.28	32.5	2.84	72.1	09
25 (J)	M37X1.0-6H	2.12	53.8	1.34	34.0	2.95	74.9	10

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Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series III and IV Connectors

407H*037 TAG Ring® Backshell, Banding, Shrink Boot

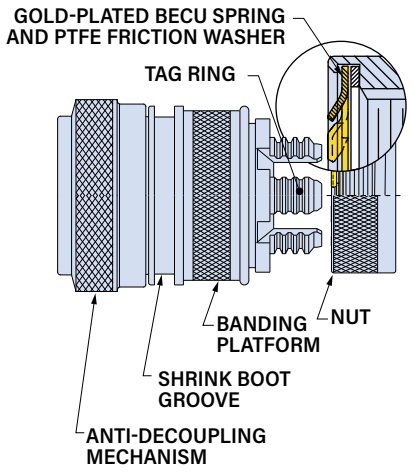
Self-Locking

Self-locking. Boot groove. Banding platform. 407H*037 backshell fits MIL-DTL-38999 Series III and IV connectors. Grounding ring has slots for individual cable shields. Attch overall cable shield to banding platform with BandMaster ATS strap (not supplied). Install shrink boot for strain relief and environmental sealing. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Aluminum or SST. Gold plated copper alloy ground spring, PTFE washer.

- Terminal-And-Grounding (TAG) ring for individual shields
- Banding platform for overall shield
- Gold-plated ground spring
- Self-locking coupling nut
- Groove for lipped shrink boot

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV



PART NUMBER

	407HS037	Z1	13	03	G	3	S

Base P/N
- 407HS037 Straight
- 407HJ037 90°

Material/Finish
- M Alum/ Electroless Nickel
- MT Alum/ Nickel-PTFE
- NF Alum/ Olive Drab Cadmium
- ZR Alum/ Black Zinc-Nickel
- TZ Alum/ Tin-Zinc
- Z1 SST/ Passivate

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size *See Table 1*

Strain Relief G Nut

Length
- 3 1.5 inches
- 4 2.0 inches
- 5 2.5 inches
- 6 3.0 inches

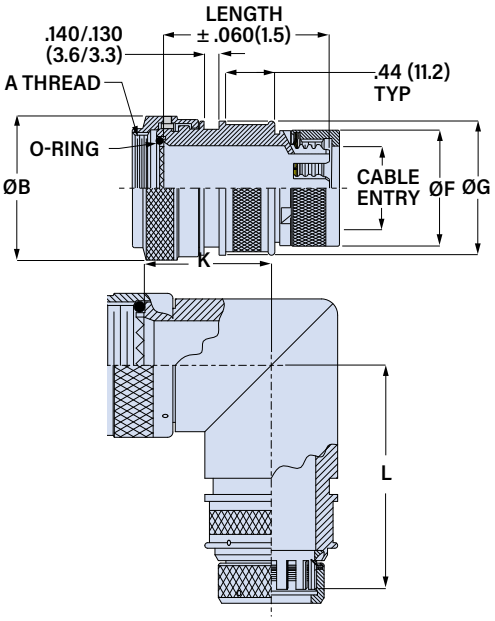
Applies to **407HS037** *only.*

Self-Locking S Self-Locking Coupling Nut

TABLE 1: ENTRY SIZE

Entry Size	F Max in	F Max mm	G Max in	G Max mm	Cable Entry Min. in	Cable Entry Min. mm	Cable Entry Max. in	Cable Entry Max. mm	No. of Slots	Shell Size Range
02	.545	13.8	.650	16.5	.125	3.2	.250	6.4	3	09-25
03	.670	17.0	.774	19.7	.250	6.4	.375	9.5	4	11-25
04	.795	20.2	.963	24.5	.375	9.5	.500	12.7	6	13-25
05	.920	23.4	1.042	26.5	.500	12.7	.625	15.9	8	15-25
06	1.045	26.5	1.217	30.9	.625	15.9	.750	19.1	10	17-25
07	1.170	29.7	1.355	34.4	.750	19.1	.875	22.2	10	21-25
08	1.295	32.9	1.443	36.7	.875	22.2	1.000	25.4	12	23-25
09	1.420	36.1	1.709	43.4	.937	23.8	1.125	28.6	15	25

Shell Size	A Thread	øB Max in	øB Max mm	K Max. in	K Max. mm	L Max. in	L Max. mm	Max. Entry Size
9 (A)	M12X1.0-6H	.94	23.9	.906	23.0	2.35	59.7	02
11 (B)	M15X1.0-6H	1.06	26.9	.966	24.5	2.41	61.2	03
13 (C)	M18X1.0-6H	1.17	29.7	1.026	26.1	2.47	62.7	04
15 (D)	M22X1.0-6H	1.29	32.8	1.076	27.3	2.54	64.5	05
17 (E)	M25X1.0-6H	1.42	36.1	1.136	28.9	2.60	66.0	06
19 (F)	M28X1.0-6H	1.54	39.1	1.176	29.9	2.62	66.5	07
21 (G)	M31X1.0-6H	1.67	42.4	1.236	31.4	2.68	68.1	08
23 (H)	M34X1.0-6H	2.01	51.1	1.296	32.9	2.76	70.1	09
25 (J)	M37X1.0-6H	2.12	53.8	1.356	34.4	2.83	71.9	10



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Dimensions in Inches (millimeters) are subject to change without notice.

Series 40 TAG Ring® Backshells

for MIL-DTL-38999 Series III and IV Connectors

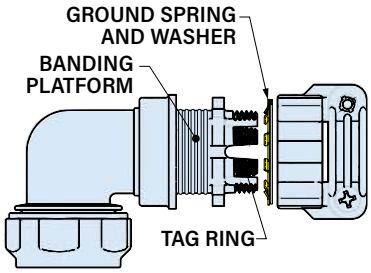
407H*061 TAG Ring® Composite Backshell, Banding, Shrink Boot

Self-locking. Banding platform. Shrink boot accommodation. 407H*061 backshell fits MIL-DTL-38999 Series III and IV connectors. Grounding ring has slots for individual cable shields. Attach overall cable shield to banding platform with BandMaster ATS strap (not supplied). Install shrink boot for strain relief and environmental sealing.

- Terminal-And-Grounding (TAG) ring for individual shields
- Banding platform for overall shield
- Gold-plated ground spring
- Self-locking coupling nut
- Groove for lipped shrink boot

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV



MATERIAL/FINISH

Adapter: Conductively plated thermoplastic
Coupling nut, strain relief: black composite thermoplastic
Ground spring: gold-plated copper alloy
Friction washer: PTFE
Saddle clamp hardware: SST
O-ring: silicone

PART NUMBER

	407HS061	XMD	1414	G	3

Base P/N

407HS061	Straight
407HT061	45°
407HW061	90°

Adapter Finish

XMD	Electroless Nickel
XWD	Cadmium, Olive Drab
XZD	Black Zinc-Nickel

Shell Size/ Entry Size

Shell Size-Entry Size	Shell Size	Shell Size-Entry Size	Shell Size
0910	9	1916	19
1110	11	2118	21
1312	13	2320	23
1514	15	2524	25
1716	17		

Strain Relief

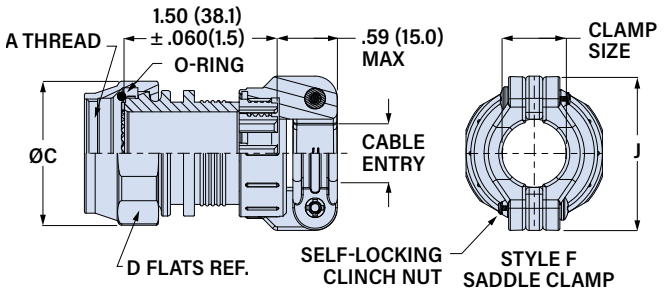
F	Saddle Clamp
G	Nut

Length

3	1.5 inches

Omit for 90° profile. Length code applies to straight profile only.

S Straight



Shell Size/ Entry Size	Shell Size	A Thread UNEF-2B	øC Max.		D Flats (ref)		E Max.		F Max.		G Max.		H Max.		J ± .06 (1.5)		K ± .06 (1.5)		Cable Entry ± .06 (1.5)		Clamp Size ± .06 (1.5)	
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
0910	9 (A)	M12X1.0-6H	.86	21.8	.75	19.1	.841	21.4	1.75	44.5	.906	23.0	2.350	59.7	.94	23.9	.75	19.1	.24	6.1	.31	7.9
1110	11 (B)	M15X1.0-6H	.98	24.9	.88	22.4	.875	22.2	1.78	45.2	.966	24.5	2.410	61.2	.94	23.9	.75	19.1	.24	6.1	.31	7.9
1312	13 (C)	M18X1.0-6H	1.16	29.5	1.00	25.4	.870	22.1	1.80	45.7	1.026	26.1	2.470	62.7	1.17	29.7	.88	22.4	.37	9.4	.40	10.2
1514	15 (D)	M22X1.0-6H	1.28	32.5	1.13	28.7	.878	22.3	1.83	46.5	1.076	27.3	2.540	64.5	1.28	32.5	1.00	25.4	.49	12.4	.52	13.2
1716	17 (E)	M25X1.0-6H	1.41	35.8	1.25	31.8	.900	22.9	1.85	47.0	1.136	28.9	2.600	66.0	1.41	35.8	1.13	28.7	.62	15.7	.59	15.0
1916	19 (F)	M28X1.0-6H	1.52	38.6	1.38	35.1	.910	23.1	1.87	47.5	1.176	29.9	2.620	66.5	1.41	35.8	1.13	28.7	.62	15.7	.59	15.0
2118	21 (G)	M31X1.0-6H	1.64	41.7	1.50	38.1	.940	23.9	1.89	48.0	1.236	31.4	2.680	68.1	1.54	39.1	1.25	31.8	.74	18.8	.75	19.1
2320	23 (H)	M34X1.0-6H	1.77	45.0	1.63	41.4	.980	24.9	1.93	49.0	1.296	32.9	2.760	70.1	1.66	42.2	1.38	35.1	.86	21.8	.83	21.1
2524	25 (J)	M37X1.0-6H	1.89	48.0	1.75	44.5	1.010	25.7	1.96	49.8	1.356	34.4	2.830	71.9	1.89	48.0	1.63	41.4	1.12	28.4	.95	24.1

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Series 42 LFMC Conduit Adapters

Selection Guide

Series 42 LFMC Conduit Adapters

Series 42 LFMC conduit adapters fit standard mil spec circular electrical connectors. These adapters are compatible with Liquid-tight Flexible Metal Conduit (LFMC), including Sealtite® Type UA. Grounding ferrule slips over conduit end. When adapter nut is tightened, ferrule compresses onto metal conduit core and jacket for grounding and environmental sealing.

- Use with Liquid-tight Flexible Metal Conduit (LFMC)
- Compression ferrule provides secure grounding and watertight seal

Adapter Code **A**
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

LFMC Conduit Adapter, Spin Coupling
420A*001
Page 40-2

Adapter Code **B**
AS50151 Solder

LFMC Conduit Adapter, Direct Coupling
420B*002
Page 40-4

Adapter Code **D**
MIL-DTL-26482 Series I

LFMC Conduit Adapter, Direct Coupling
420D*002
Page 40-6

Adapter Code **F**
MIL-DTL-38999 Series I and II

LFMC Conduit Adapter, Spin Coupling
420F*001
Page 40-8

Adapter Code **H**
MIL-DTL-38999 Series III and IV

LFMC Conduit Adapter, Spin Coupling
420H*001
Page 40-10

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REV 04.10.23

Series 42 LFMC Conduit Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

420A*001 Adapter for LFMC Liquid-tight Flexible Metal Conduit

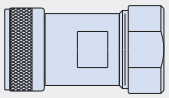
Watertight. Grounded. Spin coupling. 420A*001 adapter fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Spin coupling, environmental. Compatible with LFMC liquid-tight flexible metal conduit conforming to UL 360. Install grounding ferrule onto conduit, then tighten nut until ferrule is compressed onto metal core and jacket. Aluminum or stainless steel. Ferrule is zinc-plated steel (trade size 1 or smaller) or aluminum (trade size 1¼ or larger).

Adapter Code A

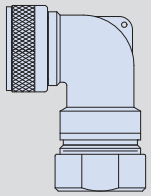
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

PROFILE SELECTION GUIDE

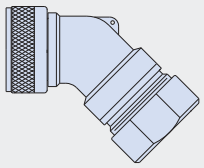
S Straight



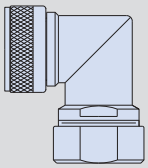
A 90°



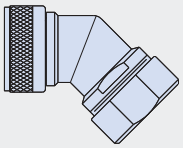
B 45°



J 90°



H 45°



PART NUMBER

	420AS001	M	18	03	-3

Base P/N

Base Part No.	Profile
420AS001	S Straight
420AA001	A 90°
420AB001	B 45°
420AH001	H 45° Cut/Weld
420AJ001	J 90° Cut/Weld

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/Passivate *(Profiles H, J, S only)*

Shell Size

08 10 12 14 16 18 20 22 24 28 32 36

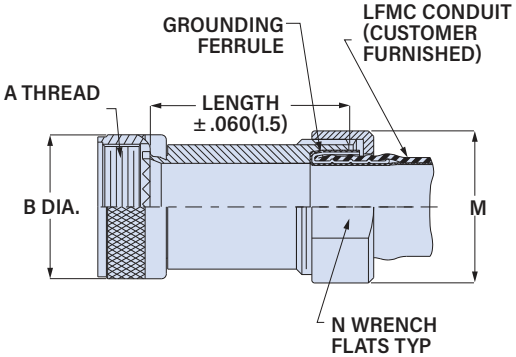
Conduit Size

Size Code	Conduit Trade Size	Conduit Diameter (ref.) Inside in	Inside mm	Outside in	Outside mm
01	⅜	.484/.504	12.3/12.8	.690/.710	17.5/18.0
02	½	.622/.642	15.8/16.3	.820/.840	20.8/21.3
03	¾	.820/.840	20.8/21.3	1.030/1.050	26.2/26.7
04	1	1.040/1.066	26.4/27.1	1.290/1.315	32.8/33.4
05	1 ¼	1.380/1.410	35.1/35.8	1.630/1.660	41.4/42.2
06	1 ½	1.575/1.600	40.0/40.6	1.875/1.900	47.6/48.3
07	2	2.020/2.045	51.3/51.9	2.350/2.375	59.7/60.3

Length

-3	1.5 inches
-4	2.0 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments.



Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.65	16.5
10	0.625-24 UNEF	.77	19.6
12	0.750-20 UNEF	.94	23.9
14	0.875-20 UNEF	1.07	27.2
16	1.000-20 UNEF	1.21	30.7
18	1.0625-18 UNEF	1.23	31.2
20	1.1875-18 UNEF	1.36	34.5
22	1.3125-18 UNEF	1.48	37.6
24	1.4375-18 UNEF	1.73	43.9
28	1.750-18 UNS	1.97	50.0
32	2.000-18 UNS	2.22	56.4
36	2.250-16 UN	2.47	62.7

Size Code	Conduit Trade Size	M Max in	M Max mm	N Max in	N Max mm
01	⅜	1.155	29.3	1.000	25.4
02	½	1.282	32.6	1.125	28.6
03	¾	1.531	38.9	1.375	34.9
04	1	1.781	45.2	1.625	41.3
05	1 ¼	2.218	56.3	2.062	52.4
06	1 ½	2.468	62.7	2.312	58.7
07	2	3.031	77.0	2.875	73.0

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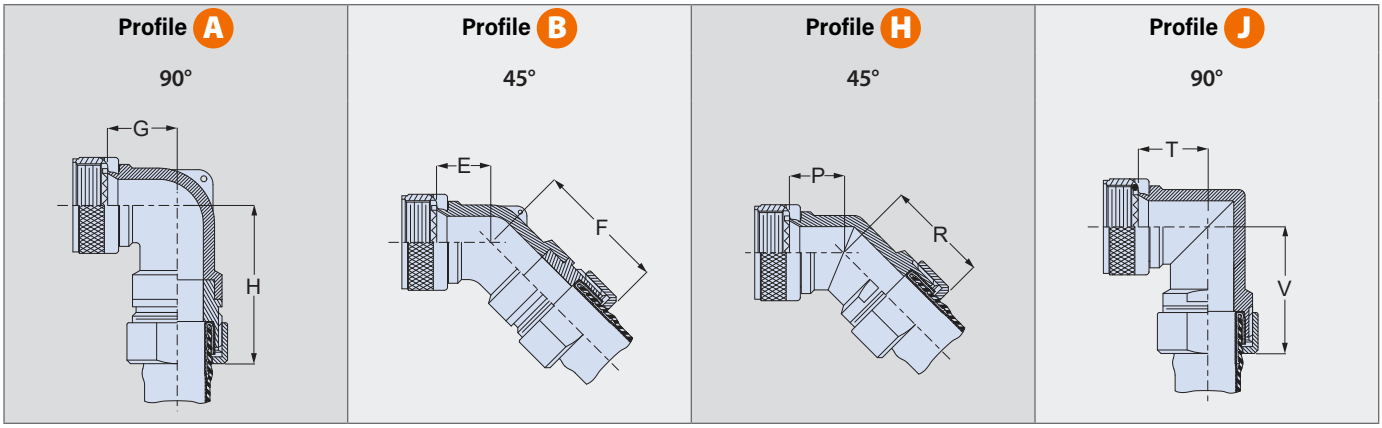
Series 42 LFMC Conduit Adapters

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

420A*001 Adapter for LFMC Liquid-tight Flexible Metal Conduit



Shell Size	E Max		F Max		G Max		H Max		P Max		R Max		T Max		V Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
08	.457	11.6	1.810	46.0	.500	12.7	1.820	46.2	.726	18.4	1.406	35.7	.858	21.8	1.538	39.1
10	.520	13.2	1.870	47.5	.595	15.1	1.940	49.3	.750	19.1	1.430	36.3	.917	23.3	1.597	40.6
12	.582	14.8	1.930	49.0	.610	15.5	1.960	49.8	.776	19.7	1.456	37.0	.979	24.9	1.659	42.1
14	.645	16.4	2.020	51.3	.700	17.8	2.030	51.6	.790	20.1	1.479	37.6	1.036	26.3	1.716	43.6
16	.738	18.7	2.130	54.1	.885	22.5	2.120	53.8	.825	21.0	1.505	38.2	1.099	27.9	1.779	45.2
18	.926	23.5	2.320	58.9	.975	24.8	2.290	58.2	.845	21.5	1.525	38.7	1.147	29.1	1.826	46.4
20	.926	23.5	2.320	58.9	.975	24.8	2.290	58.2	.873	22.2	1.553	39.4	1.215	30.9	1.895	48.1
22	1.020	25.9	2.470	62.7	1.125	28.6	2.400	61.0	.899	22.8	1.579	40.1	1.277	32.4	1.957	49.7
24	1.020	25.9	2.470	62.7	1.125	28.6	2.400	61.0	.925	23.5	1.605	40.8	1.340	34.0	2.020	51.3
28	1.145	29.1	2.520	64.0	1.225	31.1	2.570	65.3	.954	24.2	1.634	41.5	1.409	35.8	2.089	53.1
32	1.207	30.7	2.620	66.5	1.575	40.0	2.820	71.6	1.005	25.5	1.685	42.8	1.532	38.9	2.212	56.2
36	1.238	31.4	2.710	68.8	1.775	45.1	2.820	71.6	1.049	26.6	1.729	43.9	1.640	41.7	2.320	58.9

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Series 42 LFMC Conduit Adapters

for AS50151 Solder Connectors

420B*002 Adapter for LFMC Liquid-tight Flexible Metal Conduit

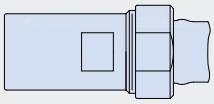
Adapter Code B

Fits AS50151 Series 1 AN Type solder Connectors . AS310*1, MS3100.

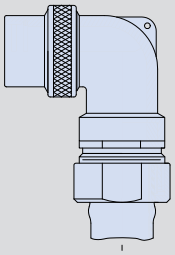
Watertight. Grounded. Direct coupling. 420B*002 backshell fits AS50151 (MS5015) solder connectors. Direct coupling, environmental. Compatible with LFMC liquid-tight flexible metal conduit conforming to UL 360. Install grounding ferrule onto conduit, then tighten nut until ferrule is compressed onto metal core and jacket. Aluminum or stainless steel. Ferrule is zinc-plated steel (trade size 1 or smaller) or aluminum (1¼ or larger). O-ring and gasket are neoprene.

PROFILE SELECTION GUIDE

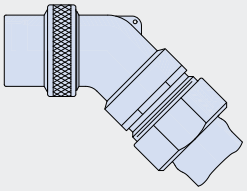
S Straight



A 90°



B 45°



PART NUMBER

	420BS002	M	16	02	-3	A

Base P/N

Base Part No.	Profile
420BS002	S Straight
420BA002	A 90°
420BB002	B 45°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/Passivate *(Profile S only)*

Shell Size

Code	Shell Size	Code	Shell Size
05	10S	20	22
08	10SL	21	24
11	12, 12S	22	28
14	14, 14S	23	32
15	16, 16S	26	36
16	18	31	40
17	20		

Conduit Size

Size Code	Conduit Trade Size	Conduit Diameter (ref.) Inside in	Inside mm	Outside in	Outside mm
01	⅜	.484/.504	12.3/12.8	.690/.710	17.5/18.0
02	½	.622/.642	15.8/16.3	.820/.840	20.8/21.3
03	¾	.820/.840	20.8/21.3	1.030/1.050	26.2/26.7
04	1	1.040/1.066	26.4/27.1	1.290/1.315	32.8/33.4
05	1 ¼	1.380/1.410	35.1/35.8	1.630/1.660	41.4/42.2
06	1 ½	1.575/1.600	40.0/40.6	1.875/1.900	47.6/48.3
07	2	2.020/2.045	51.3/51.9	2.350/2.375	59.7/60.3

Length

-3	1.5 inches
-4	2.0 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments.

Connector Manufacturer Code

A Universal

Compatible with all manufacturers. includes additional thread adapter(s) as necessary to fit multiple manufacturers. See following page for thread dimensions.

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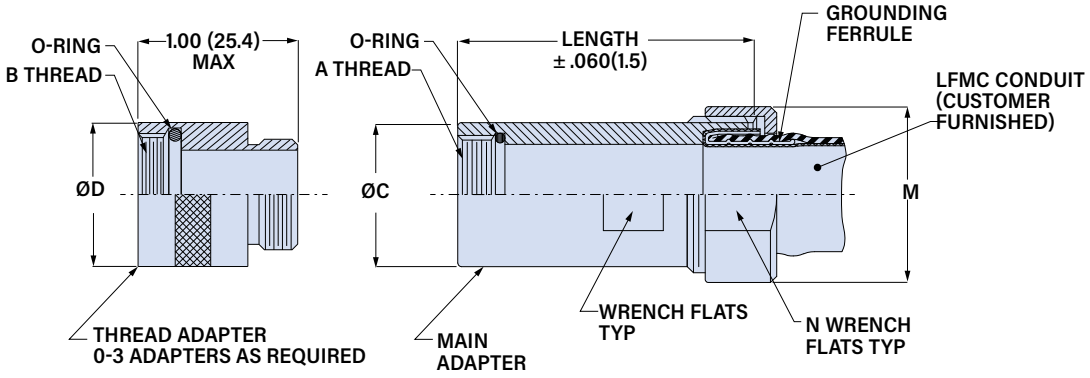
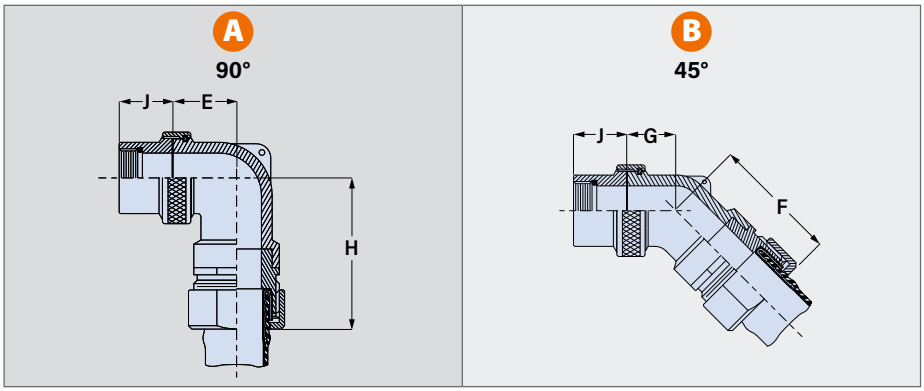
Series 42 LFMC Conduit Adapters

for AS50151 Solder Connectors

420B*002 Adapter for LFMC Liquid-tight Flexible Metal Conduit



Shell Size Code	Shell Size	A Class 2B	No. of Thread Adapters	B Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm	J Max in	J Max mm
05	10S	0.5000-28 UNEF	1	0.5625-24 UNEF	.724	18.4	.687	17.4	1.250	31.8
08	10SL	0.5625-24 UNEF	1	0.6250-24 UNEF	.724	18.4	.687	17.4	1.250	31.8
11	12, 12S	0.6250-24 UNEF	1	0.6875-24 UNEF	.848	21.5	.812	20.6	1.250	31.8
14	14, 14S	0.7500-20 UNEF	0	N/A	.974	24.7	N/A	N/A	1.250	31.8
15	16, 16S	0.8750-20 UNEF	0	N/A	1.102	28.0	N/A	N/A	1.560	39.6
16	18	1.0000-20 UNEF	0	N/A	1.220	31.0	N/A	N/A	1.560	39.6
17	20	1.1250-18 UNEF	1	1.1250-24 UNS	1.343	34.1	1.312	33.3	1.560	39.6
20	22	1.2500-18 UNEF	0	N/A	1.343	34.1	N/A	N/A	1.560	39.6
21	24	1.3750-18 UNEF	0	N/A	1.468	37.3	N/A	N/A	1.560	39.6
22	28	1.6250-18 UNEF	0	N/A	1.593	40.5	N/A	N/A	1.560	39.6
23	32	1.8750-16 UN	1	1.90625-18 UNS	2.125	54.0	2.062	52.4	1.560	39.6
26	36	2.1250-16 UN	3	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7	1.560	39.6
31	40	2.3750-16 UN	1	2.3125-16 UNS	2.625	66.7	2.562	65.1	1.560	39.6



Size Code	Conduit Trade Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	M Max in	M Max mm	N Max in	N Max mm
01	⅜	.630	16.0	1.870	47.5	.709	18.0	1.940	49.3	1.155	29.3	1.000	25.4
02	½	.692	17.6	1.930	49.0	.734	18.6	1.960	49.8	1.282	32.6	1.125	28.6
03	¾	.848	21.5	2.130	54.1	.990	25.1	2.120	53.8	1.531	38.9	1.375	34.9
04	1	1.036	26.3	2.320	58.9	1.090	27.7	2.290	58.2	1.781	45.2	1.625	41.3
05	1 ¼	1.130	28.7	2.470	62.7	1.325	33.7	2.400	61.0	2.218	56.3	2.062	52.4
06	1 ½	1.317	33.5	2.620	66.5	1.827	46.4	2.820	71.6	2.468	62.7	2.312	58.7
07	2	1.348	34.2	2.710	68.8	2.027	51.5	2.820	71.6	3.031	77.0	2.875	73.0

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Series 42 LFMC Conduit Adapters

for MIL-DTL-26482 Series I Connectors

420D*002 Adapter for LFMC Liquid-tight Flexible Metal Conduit

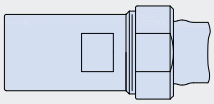
Adapter Code D

This accessory fits MIL-DTL-26482 Series I connectors

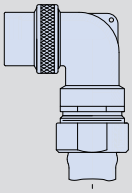
Watertight. Grounded. Direct coupling. 420D*002 backshell fits MIL-DTL-26482 Series I connectors. Direct coupling, environmental. Compatible with LFMC liquid-tight flexible metal conduit conforming to UL 360. Install grounding ferrule onto conduit, then tighten nut until ferrule is compressed onto metal core and jacket. Aluminum or stainless steel. Ferrule is zinc-plated steel (trade size 1 or smaller) or aluminum (1¼ or larger). O-ring and gasket are neoprene.

PROFILE SELECTION GUIDE

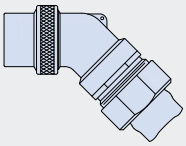
S Straight



A 90°



B 45°



PART NUMBER

	420DS002	M	24	02	-4

Base P/N

Base Part No.	Profile
420DS002	S Straight
420DA002	A 90°
420DB002	B 45°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/Passivate *(Profile S only)*

Shell Size

08 10 12 14 16 18 20 22 24

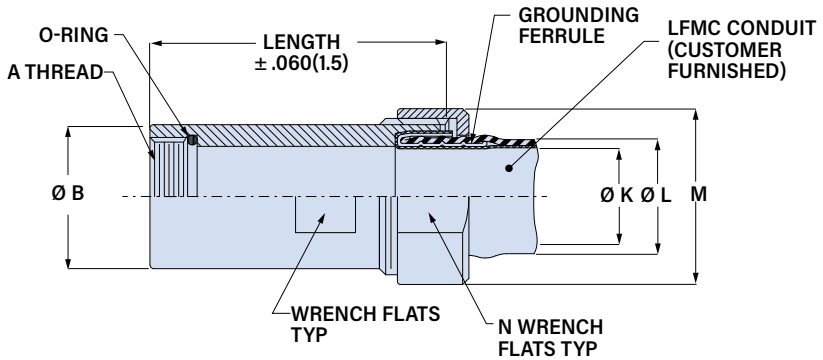
Conduit Size

Size Code	Conduit Trade Size	Conduit Diameter (ref.) Inside in	Inside mm	Outside in	Outside mm
01	⅜	.484/.504	12.3/12.8	.690/.710	17.5/18.0
02	½	.622/.642	15.8/16.3	.820/.840	20.8/21.3
03	¾	.820/.840	20.8/21.3	1.030/1.050	26.2/26.7
04	1	1.040/1.066	26.4/27.1	1.290/1.315	32.8/33.4
05	1 ¼	1.380/1.410	35.1/35.8	1.630/1.660	41.4/42.2
06	1 ½	1.575/1.600	40.0/40.6	1.875/1.900	47.6/48.3
07	2	2.020/2.045	51.3/51.9	2.350/2.375	59.7/60.3

Length

-3	1.5 inches
-4	2.0 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments.



Shell Size	A Thread UNEF-2B	øB Max In	øB Max mm	J Max In	J Max mm
08	0.4375-28	.59	15.0	1.25	31.8
10	0.5625-24	.72	18.3	1.25	31.8
12	0.6875-24	.84	21.3	1.25	31.8
14	0.8125-20	.97	24.6	1.25	31.8
16	0.9375-20	1.09	27.7	1.56	39.6
18	1.0625-18	1.22	31.0	1.56	39.6
20	1.1875-18	1.34	34.0	1.56	39.6
22	1.3125-18	1.47	37.3	1.56	39.6
24	1.4375-18	1.59	40.4	1.56	39.6

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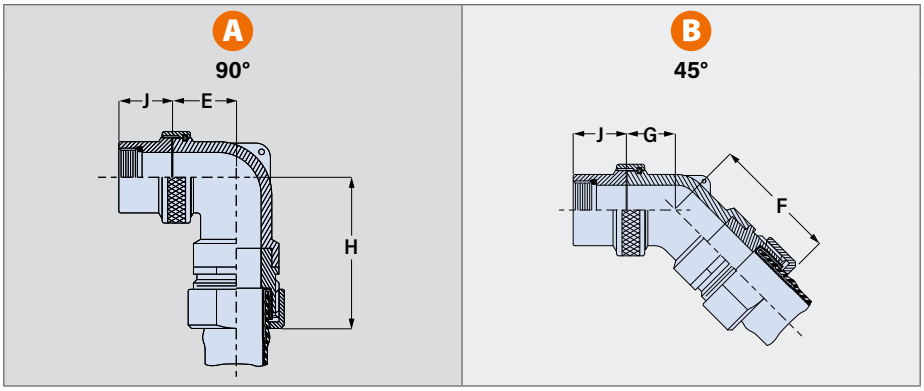
Series 42 LFMC Conduit Adapters

for MIL-DTL-26482 Series I Connectors

420D*002 Adapter for LFMC Liquid-tight Flexible Metal Conduit



Size Code	Conduit Trade Size	E Max		F Max		G Max		H Max		Conduit Diameter (Customer Supplied) K Ref		L Ref		M Max		N Max	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
01	⅜	.630	16.0	1.870	47.5	.709	18.0	1.940	49.3	.484/.504	12.3/12.8	.690/.710	17.5/18.0	1.155	29.3	1.000	25.4
02	½	.692	17.6	1.930	49.0	.734	18.6	1.960	49.8	.622/.642	15.8/16.3	.820/.840	20.8/21.3	1.282	32.6	1.125	28.6
03	¾	.848	21.5	2.130	54.1	.990	25.1	2.120	53.8	.820/.840	20.8/21.3	1.030/1.050	26.2/26.7	1.531	38.9	1.375	34.9
04	1	1.036	26.3	2.320	58.9	1.090	27.7	2.290	58.2	1.040/1.066	26.4/27.1	1.290/1.315	32.8/33.4	1.781	45.2	1.625	41.3
05	1 ¼	1.130	28.7	2.470	62.7	1.325	33.7	2.400	61.0	1.380/1.410	35.1/35.8	1.630/1.660	41.4/42.2	2.218	56.3	2.062	52.4
06	1 ½	1.317	33.5	2.620	66.5	1.827	46.4	2.820	71.6	1.575/1.600	40.0/40.6	1.875/1.900	47.6/48.3	2.468	62.7	2.312	58.7
07	2	1.348	34.2	2.710	68.8	2.027	51.5	2.820	71.6	2.020/2.045	51.3/51.9	2.350/2.375	59.7/60.3	3.031	77.0	2.875	73.0

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Series 42 LFMC Conduit Adapters

for MIL-DTL-38999 Series I and II Connectors

420F*001 Adapter for LFMC Liquid-tight Flexible Metal Conduit

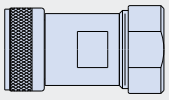
Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

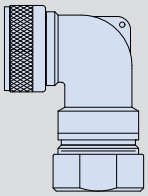
Watertight. Grounded. Spin coupling. 420F*001 adapter fits MIL-DTL-38999 Series I and II connectors. Spin coupling, environmental. Compatible with LFMC liquid-tight flexible metal conduit conforming to UL 360. Install grounding ferrule onto conduit, then tighten nut until ferrule is compressed onto metal core and jacket. Aluminum or stainless steel. Ferrule is zinc-plated steel (trade size 1 or smaller) or aluminum (1¼ or larger). Neoprene O-ring.

PROFILE SELECTION GUIDE

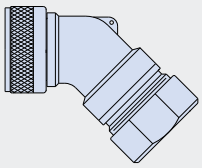
S Straight



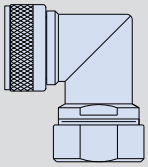
A 90°



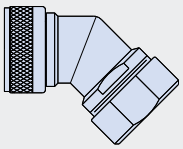
B 45°



J 90°



H 45°



PART NUMBER

	420FS001	M	18	03	-3

Base P/N

Base Part No.	Profile
420FS001	S Straight
420FA001	A 90°
420FB001	B 45°
420FH001	H 45° Cut/Weld
420FJ001	J 90° Cut/Weld

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/Passivate *(Profiles H, J, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

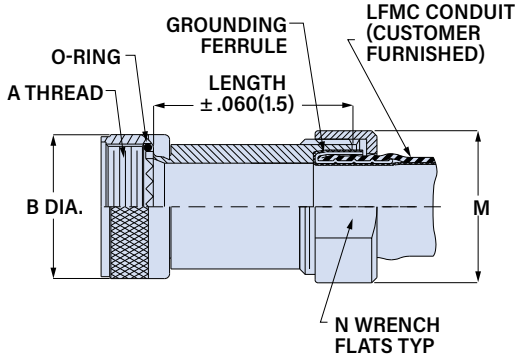
Conduit Size

Size Code	Conduit Trade Size	Conduit Diameter (ref.) Inside in	Inside mm	Outside in	Outside mm
01	⅜	.484/.504	12.3/12.8	.690/.710	17.5/18.0
02	½	.622/.642	15.8/16.3	.820/.840	20.8/21.3
03	¾	.820/.840	20.8/21.3	1.030/1.050	26.2/26.7
04	1	1.040/1.066	26.4/27.1	1.290/1.315	32.8/33.4
05	1 ¼	1.380/1.410	35.1/35.8	1.630/1.660	41.4/42.2
06	1 ½	1.575/1.600	40.0/40.6	1.875/1.900	47.6/48.3
07	2	2.020/2.045	51.3/51.9	2.350/2.375	59.7/60.3

Length

-3	1.5 inches
-4	2.0 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments.



Shell Size	A Thread UNEF-2B	øB Max In	øB Max mm
8/9	0.4375-28	.650	16.5
10/11	0.5625-24	.770	19.6
12/13	0.6875-24	.890	22.6
14/15	0.8125-20	1.020	25.9
16/17	0.9375-20	1.150	29.2
18/19	1.0625-18	1.230	31.2
20/21	1.1875-18	1.360	34.5
22/23	1.3125-18	1.480	37.6
24/25	1.4375-18	1.730	43.9

Size Code	Conduit Trade Size	M Max in	M Max mm	N Max in	N Max mm
01	⅜	1.155	29.3	1.000	25.4
02	½	1.282	32.6	1.125	28.6
03	¾	1.531	38.9	1.375	34.9
04	1	1.781	45.2	1.625	41.3
05	1 ¼	2.218	56.3	2.062	52.4
06	1 ½	2.468	62.7	2.312	58.7
07	2	3.031	77.0	2.875	73.0

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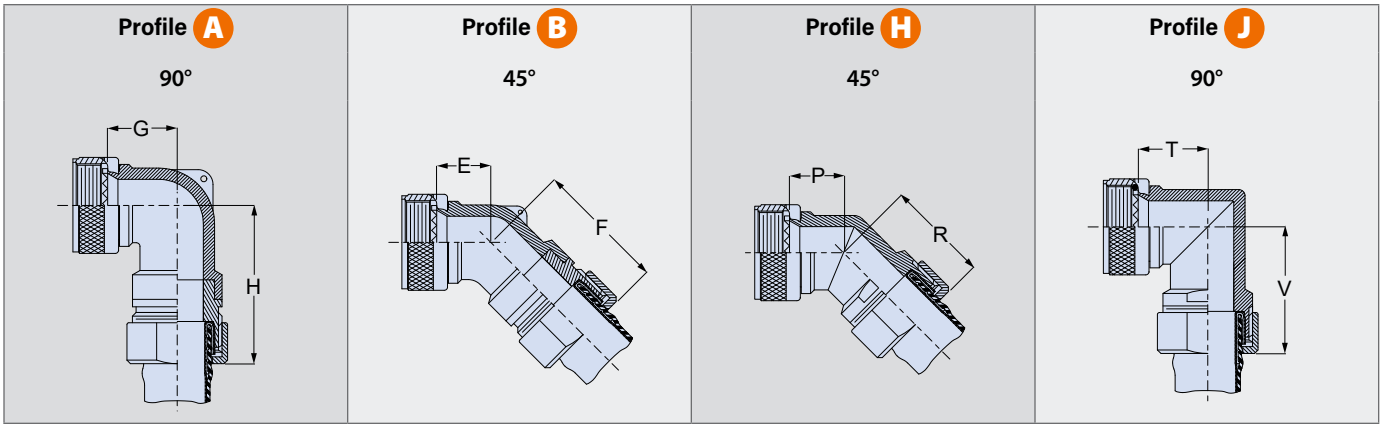
Series 42 LFMC Conduit Adapters

for MIL-DTL-38999 Series I and II Connectors

420F*001 Adapter for LFMC Liquid-tight Flexible Metal Conduit



Shell Size	E Max		F Max		G Max		H Max		P Max		R Max		T Max		V Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
8/9	.457	11.6	1.810	46.0	.500	12.7	1.820	46.2	.726	18.4	1.406	35.7	.858	21.8	1.538	39.1
10/11	.520	13.2	1.870	47.5	.595	15.1	1.940	49.3	.750	19.1	1.430	36.3	.917	23.3	1.597	40.6
12/13	.582	14.8	1.930	49.0	.610	15.5	1.960	49.8	.776	19.7	1.456	37.0	.979	24.9	1.659	42.1
14/15	.645	16.4	2.020	51.3	.700	17.8	2.030	51.6	.796	20.2	1.479	37.6	1.036	26.3	1.716	43.6
16/17	.738	18.7	2.130	54.1	.885	22.5	2.120	53.8	.825	21.0	1.505	38.2	1.099	27.9	1.779	45.2
18/19	.926	23.5	2.320	58.9	.975	24.8	2.290	58.2	.845	21.5	1.525	38.7	1.147	29.1	1.826	46.4
20/21	.926	23.5	2.320	58.9	.975	24.8	2.290	58.2	.873	22.2	1.553	39.4	1.215	30.9	1.895	48.1
22/23	1.020	25.9	2.470	62.7	1.125	28.6	2.400	61.0	.899	22.8	1.579	40.1	1.277	32.4	1.957	49.7
24/25	1.020	25.9	2.470	62.7	1.125	28.6	2.400	61.0	.925	23.5	1.605	40.8	1.340	34.0	2.020	51.3

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Series 42 LFMC Conduit Adapters

for MIL-DTL-38999 Series III and IV Connectors

420H*001 Adapter for LFMC Liquid-tight Flexible Metal Conduit

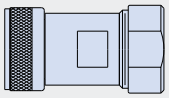
Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

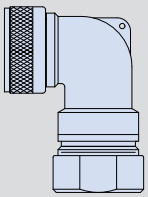
Watertight. Grounded. Spin coupling. 420H*001 adapter fits MIL-DTL-38999 Series III and IV connectors. Spin coupling, environmental. Compatible with LFMC liquid-tight flexible metal conduit conforming to UL 360. Install grounding ferrule onto conduit, then tighten nut until ferrule is compressed onto metal core and jacket. Aluminum or stainless steel. Ferrule is zinc-plated steel (trade size 1 or smaller) or aluminum (1¼ or larger). Neoprene O-ring.

PROFILE SELECTION GUIDE

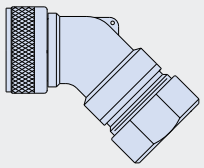
S Straight



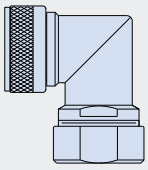
A 90°



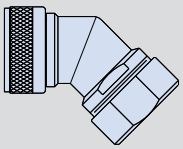
B 45°



J 90°



H 45°



PART NUMBER

	420HS001	NF	17	02	-3

Base P/N

Base Part No.	Profile
420HS001	S Straight
420HA001	A 90°
420HB001	B 45°
420HH001	H 45° Cut/Weld
420HJ001	J 90° Cut/Weld

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/Passivate *(Profiles H, J, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

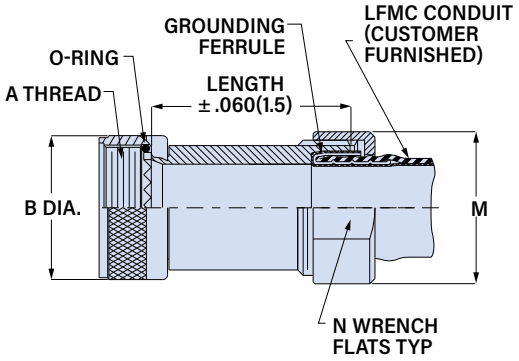
Conduit Size

Size Code	Conduit Trade Size	Conduit Diameter (ref.) Inside in	Inside mm	Outside in	Outside mm
01	⅜	.484/.504	12.3/12.8	.690/.710	17.5/18.0
02	½	.622/.642	15.8/16.3	.820/.840	20.8/21.3
03	¾	.820/.840	20.8/21.3	1.030/1.050	26.2/26.7
04	1	1.040/1.066	26.4/27.1	1.290/1.315	32.8/33.4
05	1 ¼	1.380/1.410	35.1/35.8	1.630/1.660	41.4/42.2
06	1 ½	1.575/1.600	40.0/40.6	1.875/1.900	47.6/48.3
07	2	2.020/2.045	51.3/51.9	2.350/2.375	59.7/60.3

Length

-3	1.5 inches
-4	2.0 inches
-6	3.0 inches

Applies to Profile S only. Length in ½ inch increments.



Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.770	19.6
11 (B)	M15X1.0-6H	.840	21.3
13 (C)	M18X1.0-6H	.960	24.4
15 (D)	M22X1.0-6H	1.090	27.7
17 (E)	M25X1.0-6H	1.230	31.2
19 (F)	M28X1.0-6H	1.360	34.5
21 (G)	M31X1.0-6H	1.480	37.6
23 (H)	M34X1.0-6H	1.600	40.6
25 (J)	M37X1.0-6H	1.720	43.7

Size Code	Conduit Trade Size	M Max in	M Max mm	N Max in	N Max mm
01	⅜	1.155	29.3	1.000	25.4
02	½	1.282	32.6	1.125	28.6
03	¾	1.531	38.9	1.375	34.9
04	1	1.781	45.2	1.625	41.3
05	1 ¼	2.218	56.3	2.062	52.4
06	1 ½	2.468	62.7	2.312	58.7
07	2	3.031	77.0	2.875	73.0

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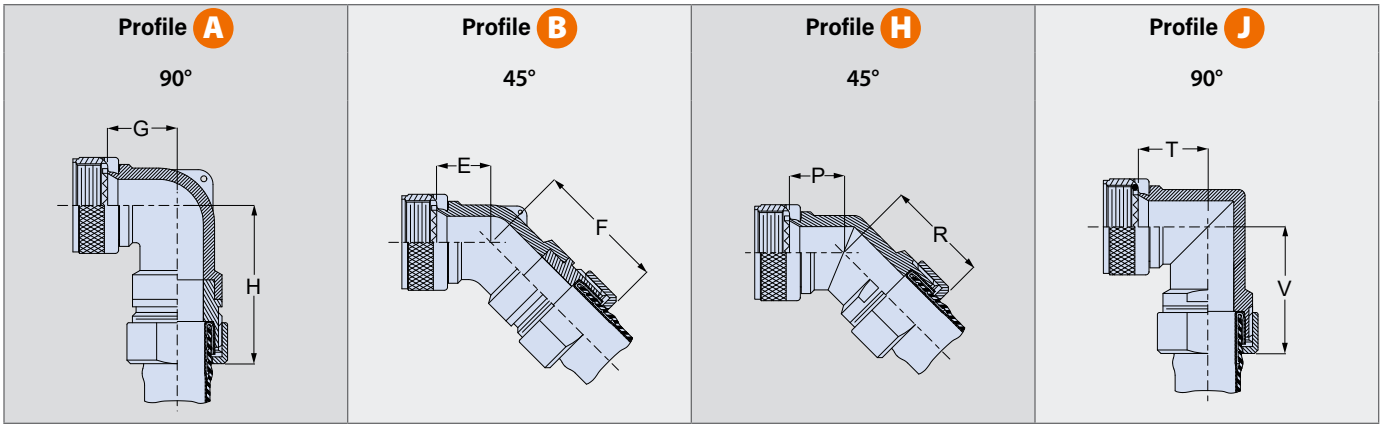
Series 42 LFMC Conduit Adapters

for MIL-DTL-38999 Series III and IV Connectors

420H*001 Adapter for LFMC Liquid-tight Flexible Metal Conduit



Shell Size	E Max		F Max		G Max		H Max		P Max		R Max		T Max		V Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
9 (A)	.457	11.6	1.810	46.0	.500	12.7	1.820	46.2	.726	18.4	1.406	35.7	.858	21.8	1.538	39.1
11 (B)	.520	13.2	1.870	47.5	.595	15.1	1.940	49.3	.750	19.1	1.430	36.3	.917	23.3	1.597	40.6
13 (C)	.582	14.8	1.930	49.0	.610	15.5	1.960	49.8	.776	19.7	1.456	37.0	.979	24.9	1.659	42.1
15 (D)	.645	16.4	2.020	51.3	.700	17.8	2.030	51.6	.796	20.2	1.479	37.6	1.036	26.3	1.716	43.6
17 (E)	.738	18.7	2.130	54.1	.885	22.5	2.120	53.8	.825	21.0	1.505	38.2	1.099	27.9	1.779	45.2
19 (F)	.926	23.5	2.320	58.9	.975	24.8	2.290	58.2	.845	21.5	1.525	38.7	1.147	29.1	1.826	46.4
21 (G)	.926	23.5	2.320	58.9	.975	24.8	2.290	58.2	.873	22.2	1.553	39.4	1.215	30.9	1.895	48.1
23 (H)	1.020	25.9	2.470	62.7	1.125	28.6	2.400	61.0	.899	22.8	1.579	40.1	1.277	32.4	1.957	49.7
25 (J)	1.020	25.9	2.470	62.7	1.125	28.6	2.400	61.0	.925	23.5	1.605	40.8	1.340	34.0	2.020	51.3

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ALSO AVAILABLE FROM GLENAIR

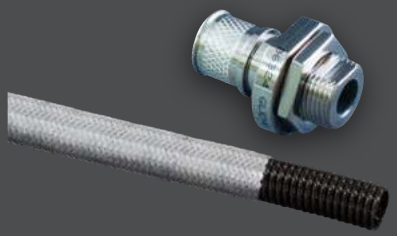
- MADE IN USA
- MASSIVE SAME-DAY INVENTORY

CONDUIT SYSTEMS

Conduit components and wired assemblies with innovative polymer and metal-core wire protection materials

All of the metal-core conduit and polymer-core convoluted tubing systems we fabricate at Glenair may be wired and assembled at our factory with tamper-proof crimp ring or solder terminations according to customer requirements. Reduced size and weight factory terminated conduit assemblies offer the utmost in environmental ruggedness, reliability and durability. Certified factory assemblers and calibrated tooling guarantee reliable long-term performance. Glenair's expertise in wired conduit systems extends from simple point-to-point jumpers to complex multibranch assemblies as well as turnkey integrated systems and LRUs with flexible conduit interconnect cabling.

SERIES 74 HELICAL CONVOLUTED POLYMER-CORE TUBING AND FITTINGS



- Lightweight, flexible helical polymer-core materials and easy to install fittings, transitions and adapters
- Choice of five materials: ETFE, FEP, PFA, PTFE, and low-smoke, halogen-free PEEK
- Factory-terminated assemblies or user-installable configurations
- All popular part numbers in stock and ready for same-day shipment

SERIES 75 METAL-CORE CONDUIT AND FITTINGS

- Choice of three materials: Brass, Stainless Steel, and Nickel Iron Alloy
- Turnkey, factory-terminated assemblies for harsh environments
- All materials deliver superior EMC performance as well as crush resistance and environmental sealing

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Series 44 Banding Backshells

Selection Guide

- Fast, reliable shield termination with Band-Master ATS® stainless steel band
- Available with self-locking coupling nuts for high vibration environments
- Nine styles to choose from
- Aluminum, stainless steel or composite
- Optional shrink boot
- Ultra low-profile 90° versions
- Compatible with standard mil spec circular electrical connectors

Stainless steel *Band-Master ATS®* band fits a wide range of diameters and meets demanding mil spec performance requirements. Install band with Band-Master ATS® tool. Braid-to-backshell resistance is one milliohm or less. Series 44 banding backshells meet AS85049 requirements and are widely used in aerospace and military electronics systems.

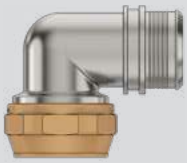
Series 44 Banding Backshells

Series 44 Banding Backshells provide fast, reliable termination of cable braid shields to standard mil spec circular electrical connectors, Glenair Series 80 Mighty Mouse, Series 233 SuperNine, Series 806 Mil-Aero and Series 970 PowerTrip connectors.

Series 44 backshells are available in nine styles including shrink boot versions and shrouded "Band-in-a-Can" versions with saddle clamps for wire strain relief. Material choices include aluminum alloy, stainless steel and corrosion-proof composite.

Banding Backshell Styles

Banding Backshell with Shrink Boot

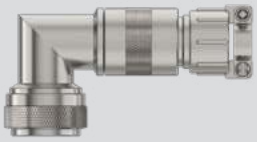


Composite Banding Backshell with Shrink Boot

Ultra Low Profile 90° Composite Banding

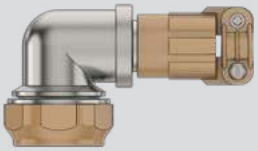
Dual Banding Backshell

Banding Backshell with Spanner Nut



Shrouded Banding Backshell, Environmental

Shrouded Low Profile 90° Banding Backshell



Shrouded Composite Banding Backshell

Banding/ Overmold Adapter

Expanded Clearance Banding Backshells

Expanded clearance banding backshells have extra room for sealing boots used with size 8 coax, twinax, quadrax and octaxial contacts. Available in two styles: *440-233* shrink boot banding adapter, or *443-042* shrouded "band-in-a-can" environmental adapter with saddle clamp strain relief. Compatible with M38999 Series III and IV connectors, along with Series 80 Mighty Mouse and Series 806 Mil-Aero connectors.

Expanded Clearance Banding Backshell

Expanded Clearance Shrouded Banding Backshell

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Series 44 Banding Backshells

Selection Guide

Adapter Code A
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

Banding Backshell, Spin Coupling
440A*030
Page 44-5

Banding Backshell, Self-Locking
440A*069
Page 44-8

Banding Backshell, Composite
447A*325
Page 44-13

Banding Backshell, Composite, Micro Band
447A*326
Page 44-14

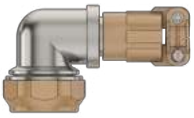
Banding Backshell, Composite Low Profile 90°
440A*143
Page 44-15

Banding Backshell, Dual Band
440A*072
Page 44-11

Banding Backshell, Self-Locking, Spanner Nut
447A*531
Page 44-16

Banding Backshell, Shrouded Environmental
443A*024
Page 44-17

Banding Backshell, Shrouded Low Profile 90°
447AC659
Page 44-20


Banding Backshell, Composite, Shrouded
447A*328
Page 44-19

Banding Overmolding Adapter
447AS523
Page 44-21

Adapter Code B
AS50151 Solder

Banding Backshell, Direct Coupling
440B*031
Page 44-22

Adapter Code D
MIL-DTL-26482 Series I

Banding Backshell, Direct Coupling
440D*031
Page 44-24

Banding Overmolding Adapter
440DS523
Page 44-26

Adapter Code F
MIL-DTL-38999 Series I and II

Banding Backshell, Spin Coupling
440F*030
Page 44-27

Banding Backshell, Self-Locking
440F*069
Page 44-30

Banding Backshell, Composite
447F*325
Page 44-35

Banding Backshell, Composite, Micro Band
447F*326
Page 44-36

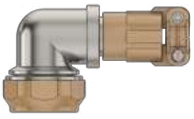
Banding Backshell, Composite Low Profile 90°
440F*143
Page 44-37

Banding Backshell, Dual Band
440F*072
Page 44-33

Banding Backshell, Self-Locking, Spanner Nut
447F*531
Page 44-38

Banding Backshell, Shrouded Environmental
443F*024
Page 44-39

Banding Backshell, Shrouded Low Profile 90°
447FC659
Page 44-41


Banding Backshell, Composite, Shrouded
447F*328
Page 44-42

Banding Overmolding Adapter
447FS523
Page 44-43

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Series 44 Banding Backshells

Selection Guide

Adapter Code G
MIL-DTL-28840

Banding Backshell, Spin Coupling
440G*058
Page 44-65

Adapter Code H
MIL-DTL-38999 Series III and IV

Banding Backshell, Spin Coupling
440H*030
Page 44-44

Banding Backshell, Self-Locking
440H*069
Page 44-47

Banding Backshell, Expanded Clearance
440H*233
Page 44-50

Banding Backshell, Composite
447H*325
Page 44-54

Banding Backshell, Composite, Micro Band
447H*326
Page 44-55

Banding Backshell, Composite Low Profile 90°
440H*143
Page 44-56

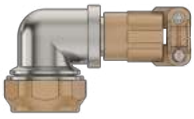
Banding Backshell, Dual Band
440H*072
Page 44-52

Banding Backshell, Self-Locking, Spanner Nut
447H*531
Page 44-57

Banding Backshell, Shrouded Environmental
443H*024
Page 44-58

Banding Backshell, Shrouded, Expanded Clearance
443H*042
Page 44-60

Banding Backshell, Shrouded Low Profile 90°
447HC659
Page 44-63



Banding Backshell, Composite, Shrouded
447H*328
Page 44-62

Banding Overmolding Adapter
447HS523
Page 44-64

Series 44 Banding Backshells

Selection Guide

Adapter Code M
Series 80 Mighty Mouse

Banding Backshell, Direct Coupling
440MS134
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Banding Backshell, Spin Coupling
440M*135
Page 44-68

Banding Backshell, Composite, Low Profile
440M*143
Page 44-70

Banding Backshell, Dual Band
440M*182
Page 44-71

Banding Backshell, Low Profile 90° Elliptical Entry
440MA204
Page 44-72

Banding Backshell,Ultra Low Profile 90°
440MC173
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Banding Backshell, Shrouded
447MS981
Page 44-74

Banding Backshell, Expanded Clearance
440M*233
Page 44-75

Banding Backshell, Shrouded, Expanded Clearance
443M*042
Page 44-77

Adapter Code P
Series 970 PowerTrip

Banding Backshell, Spin Coupling
440P*069
Page 44-79

Adapter Code R
ITS Bayonet (VG95234)

Banding Backshell, Spin Coupling
440R*030
Page 44-91

Adapter Code V
Series 806 Mil-Aero

Banding Backshell, Self-Locking
440V*191
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Banding Backshell, Self-Locking, Micro Band
440V*213
Page 44-83

Banding Backshell, Shrouded Environmental
443V*039
Page 44-85

Banding Backshell, Expanded Clearance
440V*233
Page 44-87

Banding Backshell, Shrouded, Expanded Clearance
443V*042
Page 44-89

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Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

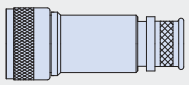
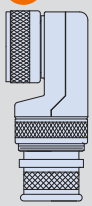
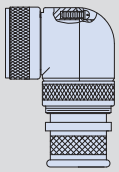
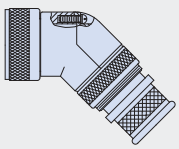
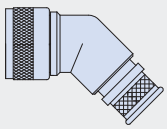
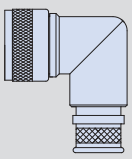
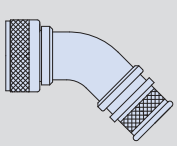
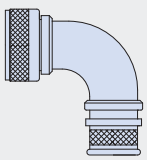
440A*030 Banding Backshell, Shrink Boot

Spin coupling. Band-Master ATS® shield termination. 440A*030 banding backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum or stainless steel.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

PROFILE SELECTION GUIDE

S Straight 	**C** 90°  Low Profile Split
D 90°  Split	**F** 45°  Split
H 45°  Cut and Weld	**J** 90°  Cut and Weld
M 45°  Full Radius	**N** 90°  Full Radius

PART NUMBER

440AS030 M 16 05- 3 K P T

Base P/N

Base Part No.	Profile	Shell Size
440AS030	S Str.	08-36
440AC030	C 90°	08-24
440AD030	D 90°	08-24
440AF030	F 45°	08-24
440AH030	H 45°	08-36
440AJ030	J 90°	08-36
440AM030	M 45°	08-36
440AN030	N 90°	08-36

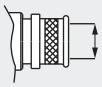
Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

08 10 12 14 16 18 20 22 24 28 32 36

Entry Size*



Size	Inside Dia.	Shell Sizes*	Size	Inside Dia.	Shell Sizes*
01	.125 (3.2)	08-36	07	.875 (22.2)	20-36
31	.188 (4.8)	08-36	37	.938 (23.8)	22-36
02	.250 (6.4)	08-36	08	1.000 (25.4)	22-36
32	.312 (7.9)	10-36	38	1.062 (27.0)	24-36
03	.375 (9.5)	10-36	09	1.125 (28.6)	24-36
33	.438 (11.1)	12-36	10	1.250 (31.8)	28-36
04	.500 (12.7)	12-36	11	1.375 (34.9)	28-36
34	.562 (14.3)	14-36	12	1.500 (38.1)	32-36
05	.625 (15.9)	16-36	13	1.625 (41.3)	32-36
35	.688 (17.5)	16-36	14	1.750 (44.5)	36
06	.750 (19.1)	18-36	15	1.875 (47.6)	-
36	.812 (20.6)	18-36	16	2.000 (50.8)	-

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details. ⚠ Profile C entry size cannot exceed shell size range listed in table.*

Length

3	1.5 inches	*Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.*
4	2.0 inches	
5	2.5 inches	
6	3.0 inches	

Band

Omit if not required

K Pre-Coiled Band Included With Backshell

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T	Shrink Boot Included With Backshell
T1	Adhesive-lined Shrink Boot Included With Backshell

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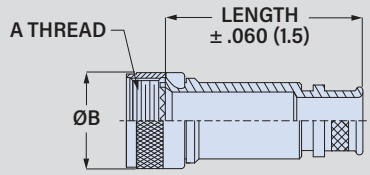
Series 44 Banding Backshells

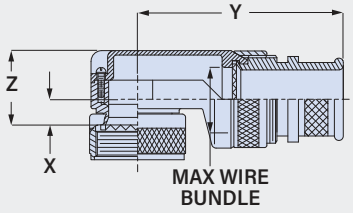
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

440A*030 Banding Backshell, Shrink Boot

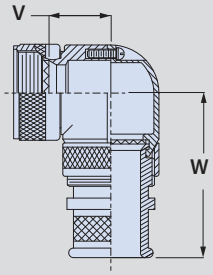
Profile S
Straight



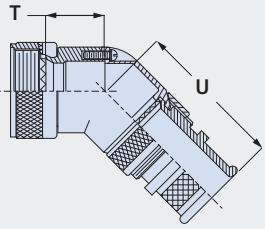
Profile C
Low Profile Split 90°



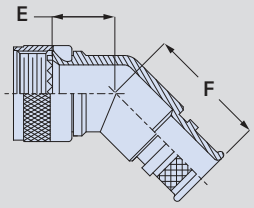
Profile D
Split 90°



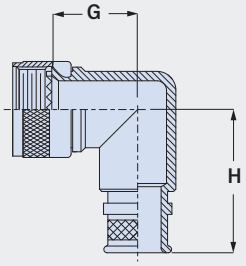
Profile F
Split 45°



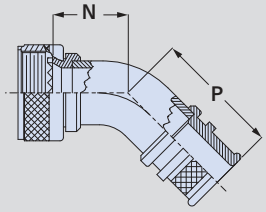
Profile H
Cut/Weld 45°



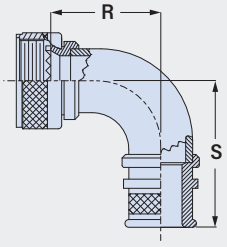
Profile J
Cut/Weld 90°



Profile M
Full Radius 45°



Profile N
Full Radius 90°



Shell Size	A Thread Class 2B	øB Max.		E Max.		F Max.		G Max.		H Max.		N Max.		P Max.		R Max.		S Max.	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
08	0.500-20 UNF	.65	16.5	.531	13.5	.94	23.9	.639	16.2	1.110	28.2	.812	20.6	1.017	25.8	1.125	28.6	1.335	33.9
10	0.625-24 UNEF	.77	19.6	.594	15.1	1.00	25.4	.664	16.9	1.140	29.0	.875	22.2	1.071	27.2	1.250	31.8	1.460	37.1
12	0.750-20 UNEF	.94	23.9	.618	15.7	1.05	26.7	.688	17.5	1.160	29.5	.938	23.8	1.121	28.5	1.375	34.9	1.585	40.3
14	0.875-20 UNEF	1.07	27.2	.656	16.7	1.09	27.7	.705	17.9	1.190	30.2	1.000	25.4	1.175	29.8	1.500	38.1	1.710	43.4
16	1.000-20 UNEF	1.21	30.7	.688	17.5	1.15	29.2	.732	18.6	1.210	30.7	1.062	27.0	1.224	31.1	1.625	41.3	1.835	46.6
18	1.0625-18 UNEF	1.23	31.2	.748	19.0	1.19	30.2	.803	20.4	1.221	31.0	1.094	27.8	1.274	32.4	1.750	44.5	1.960	49.8
20	1.1875-18 UNEF	1.36	34.5	.773	19.6	1.25	31.8	1.031	26.2	1.281	32.5	1.156	29.4	1.328	33.7	1.875	47.6	2.085	53.0
22	1.3125-18 UNEF	1.48	37.6	.800	20.3	1.32	33.5	1.156	29.4	1.351	34.3	1.188	30.2	1.382	35.1	2.000	50.8	2.210	56.1
24	1.4375-18 UNEF	1.73	43.9	.823	20.9	1.38	35.1	1.219	31.0	1.410	35.8	1.250	31.8	1.431	36.3	2.125	54.0	2.335	59.3
28	1.750-18 UNS	1.97	50.0	1.041	26.4	1.50	38.1	1.281	32.5	1.531	38.9	1.344	34.1	1.811	46.0	2.375	60.3	2.835	72.0
32	2.000-18 UNS	2.22	56.4	1.092	27.7	1.62	41.1	1.593	40.5	1.651	41.9	1.514	38.5	1.981	50.3	2.675	67.9	2.935	74.5
36	2.250-16 UN	2.47	62.7	1.136	28.9	1.75	44.5	1.718	43.6	1.781	45.2	1.514	38.5	1.981	50.3	2.785	70.7	2.950	74.9

Shell Size	T Max.		U Max.		V Max.		W Max.		X Max.		Y Max.		Z Max.		Profile C Max. Wire Bundle	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
08	.44	11.2	1.635	41.5	.68	17.3	1.575	40.0	.34	8.6	1.915	48.6	.681	17.3	.250	6.4
10	.50	12.7	1.695	43.1	.75	19.1	1.635	41.5	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
12	.56	14.2	1.765	44.8	.81	20.6	1.705	43.3	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
14	.62	15.7	1.795	45.6	.87	22.1	1.735	44.1	.28	7.1	2.145	54.5	.831	21.1	.500	12.7
16	.68	17.3	1.895	48.1	.93	23.6	1.835	46.6	.42	10.7	2.195	55.8	.981	24.9	.625	15.9
18	.75	19.1	1.955	49.7	1.00	25.4	1.895	48.1	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
20	.82	20.8	2.015	51.2	1.06	26.9	1.955	49.7	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
22	.88	22.4	2.075	52.7	1.12	28.4	2.015	51.2	.61	15.5	2.375	60.3	1.311	33.3	.875	22.2
24	.94	23.9	2.135	54.2	1.18	30.0	2.075	52.7	.68	17.3	2.500	63.5	1.431	36.3	1.000	25.4

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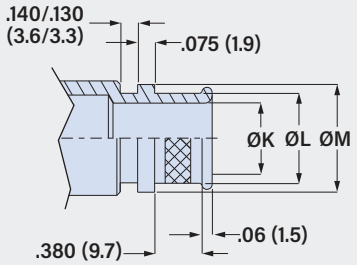
Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

440A*030 Banding Backshell, Shrink Boot

ENTRY SIZE



Entry Size	Shell Sizes	øK ± .015(0.4) in	øK mm	øL ± .015(0.4) in	øL mm	øM ± .015(0.4) in	øM mm
01	08-36	.125	3.2	.250	6.4	.312	7.9
31	08-36	.188	4.8	.312	7.9	.375	9.5
02	08-36	.250	6.4	.375	9.5	.438	11.1
32	10-36	.312	7.9	.438	11.1	.500	12.7
03	10-36	.375	9.5	.500	12.7	.562	14.3
33	12-36	.438	11.1	.562	14.3	.625	15.9
04	12-36	.500	12.7	.625	15.9	.687	17.4
34	14-36	.562	14.3	.688	17.5	.750	19.1
05	16-36	.625	15.9	.750	19.1	.812	20.6
35	16-36	.688	17.5	.812	20.6	.875	22.2
06	18-36	.750	19.1	.875	22.2	.938	23.8
36	18-36	.812	20.6	.938	23.8	1.000	25.4

Entry Size	Shell Sizes	øK ± .015(0.4) in	øK mm	øL ± .015(0.4) in	øL mm	øM ± .015(0.4) in	øM mm
07	20-36	.875	22.2	1.000	25.4	1.062	27.0
37	22-36	.938	23.8	1.062	27.0	1.125	28.6
08	22-36	1.000	25.4	1.125	28.6	1.188	30.2
38	24-36	1.062	27.0	1.188	30.2	1.250	31.8
09	24-36	1.125	28.6	1.250	31.8	1.312	33.3
10	28-36	1.250	31.8	1.375	34.9	1.438	36.5
11	32-36	1.375	34.9	1.500	38.1	1.562	39.7
12	32-36	1.500	38.1	1.625	41.3	1.688	42.9
13	32-36	1.625	41.3	1.750	44.5	1.812	46.0
14	36	1.750	44.5	1.875	47.6	1.938	49.2
15	-	1.875	47.6	2.000	50.8	2.062	52.4
16	-	2.000	50.8	2.125	54.0	2.188	55.6

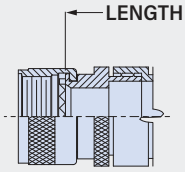
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a Style 2 backshell.

⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

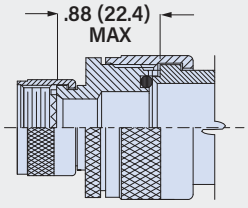
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	02	20	07
10	03	22	08
12	04	24	09
14	34	28	11
16	35	32	13
18	06	36	14

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inches.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Available with W1 hot melt adhesive pre-coat. Operating temperature range -75 to +150 °C (no adhesive), -55 to +125 °C (with W1 adhesive).

Entry Sizes	Shrink Boot P/N	Adhesive Lined Shrink Boot P/N
01-31	770-003S111	770-003S111W1
02-32	770-003S112	770-003S112W1
03	770-001S103	770-001S103W1
33-35	770- 001S104	770-001S104W1
06-37	770-001S105	770-001S105W1
08-38	770-001S106	770-001S106W1
09-12	770-001S107	770-001S107W1
13-14	770-001S108	770-001S108W1
15-16	770-001S109	770-001S109W1

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

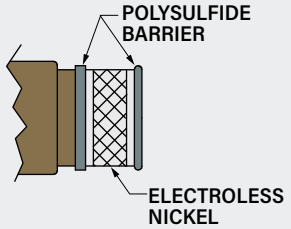
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

440A*069 Banding Backshell, Shrink Boot, Self-Locking

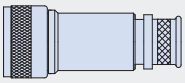
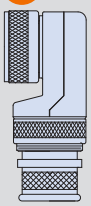
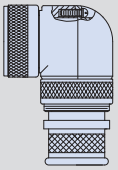
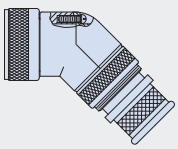
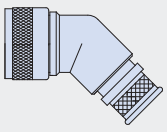
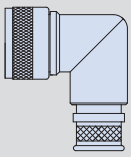
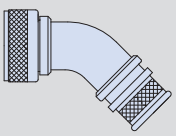
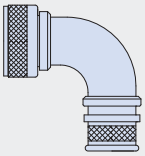
Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Self-Locking. Band-Master ATS® shield termination. 440A*069 banding adapter fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to adapter with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

PROFILE SELECTION GUIDE

S Straight 	**C** 90°  Low Profile Split
D 90°  Split	**F** 45°  Split
H 45°  Cut and Weld	**J** 90°  Cut and Weld
M 45°  Full Radius	**N** 90°  Full Radius

PART NUMBER

440AS069	Z1	18	06-	4	K	P	T

Base P/N

Base Part No.	Profile	Shell Size
440AS069	S Str.	08-36
440AC069	C 90°	08-24
440AD069	D 90°	08-24
440AF069	F 45°	08-24
440AH069	H 45°	08-36
440AJ069	J 90°	08-36
440AM069	M 45°	08-24
440AN069	N 90°	08-24

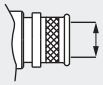
Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

08 10 12 14 16 18 20 22 24 28 32 36

Entry Size



Size	Inside Dia.	Shell Sizes*	Size	Inside Dia.	Shell Sizes*
01	.125 (3.2)	08-36	07	.875 (22.2)	20-36
31	.188 (4.8)	08-36	37	.938 (23.8)	22-36
02	.250 (6.4)	08-36	08	1.000 (25.4)	22-36
32	.312 (7.9)	10-36	38	1.062 (27.0)	24-36
03	.375 (9.5)	10-36	09	1.125 (28.6)	24-36
33	.438 (11.1)	12-36	10	1.250 (31.8)	28-36
04	.500 (12.7)	12-36	11	1.375 (34.9)	32-36
34	.562 (14.3)	14-36	12	1.500 (38.1)	32-36
05	.625 (15.9)	16-36	13	1.625 (41.3)	32-36
35	.688 (17.5)	16-36	14	1.750 (44.5)	36
06	.750 (19.1)	18-36	15	1.875 (47.6)	-
36	.812 (20.6)	20-36	16	2.000 (50.8)	-

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details. ⚠ Profile C entry size cannot exceed shell size range listed in table.*

Length

3	1.5 inches	*Applies to Profile S only.*
4	2.0 inches	*If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.*
5	2.5 inches	
6	3.0 inches	

Band

Omit if not required

K Pre-Coiled Band Included With Backshell

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T Shrink Boot Included With Backshell

T1 Adhesive-lined Shrink Boot Included With Backshell

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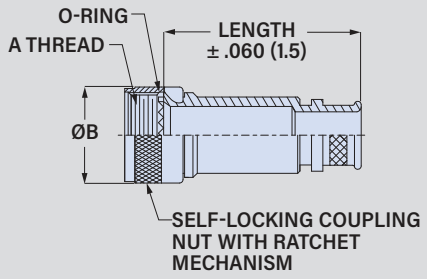
Series 44 Banding Backshells

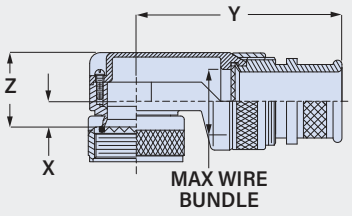
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

440A*069 Banding Backshell, Shrink Boot, Self-Locking

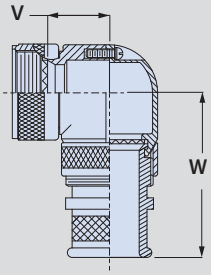
Profile S
Straight



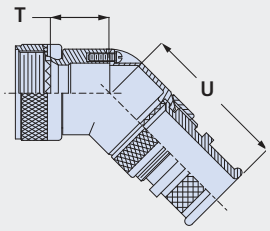
Profile C
Low Profile Split 90°



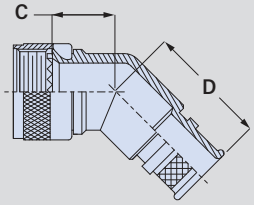
Profile D
Split 90°



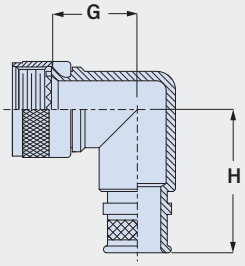
Profile F
Split 45°



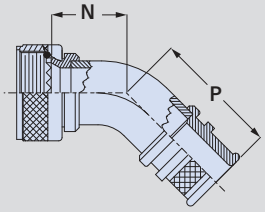
Profile H
Cut/Weld 45°



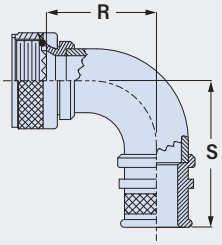
Profile J
Cut/Weld 90°



Profile M
Full Radius 45°



Profile N
Full Radius 90°



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	C Max. in	C Max. mm	D Max. in	D Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	N Max. in	N Max. mm	P Max. in	P Max. mm	R Max. in	R Max. mm	S Max. in	S Max. mm
08	0.500-20 UNF	.69	17.5	.806	20.5	1.038	26.4	.906	23.0	1.146	29.1	.968	24.6	1.017	25.8	1.281	32.5	1.335	33.9
10	0.625-24 UNEF	.82	20.8	.832	21.1	1.064	27.0	.966	24.5	1.210	30.7	1.031	26.2	1.071	27.2	1.406	35.7	1.460	37.1
12	0.750-20 UNEF	.94	23.8	.856	21.7	1.088	27.6	1.026	26.0	1.268	32.2	1.094	27.8	1.121	28.5	1.531	38.9	1.585	40.3
14	0.875-20 UNEF	1.06	26.9	.882	22.4	1.114	28.3	1.076	27.3	1.330	33.8	1.156	29.4	1.175	29.8	1.656	42.1	1.710	43.4
16	1.000-20 UNEF	1.17	29.7	.908	23.1	1.150	29.2	1.136	28.8	1.392	35.4	1.218	30.9	1.224	31.1	1.781	45.2	1.835	46.6
18	1.0625-18 UNEF	1.46	37.1	.927	23.5	1.190	30.2	1.176	29.9	1.438	36.5	1.250	31.8	1.274	32.4	1.906	48.4	1.960	49.8
20	1.1875-18 UNEF	1.60	40.6	.953	24.2	1.250	31.8	1.236	31.4	1.500	38.1	1.312	33.3	1.328	33.7	2.031	51.6	2.085	53.0
22	1.3125-18 UNEF	1.70	43.2	.979	24.9	1.320	33.5	1.296	32.9	1.562	39.7	1.344	34.1	1.382	35.1	2.156	54.8	2.210	56.1
24	1.4375-18 UNEF	1.84	46.7	1.004	25.5	1.380	35.1	1.356	34.4	1.625	41.3	1.406	35.7	1.431	36.3	2.281	57.9	2.335	59.3
28	1.750-18 UNS	2.01	51.1	1.197	30.4	1.500	38.1	1.422	36.1	1.654	42.0								
32	2.000-18 UNS	2.26	57.4	1.280	32.5	1.620	41.1	1.545	39.2	1.777	45.1								
36	2.250-16 UN	2.53	64.3	1.294	32.8	1.750	44.4	1.652	41.9	1.844	46.8								

Shell Size	T Max. in	T Max. mm	U Max. in	U Max. mm	V Max. in	V Max. mm	W Max. in	W Max. mm	X Max. in	X Max. mm	Y Max. in	Y Max. mm	Z Max. in	Z Max. mm	Profile C Max. Wire Bundle in	Profile C Max. Wire Bundle mm
08	.596	15.1	1.635	41.5	.836	21.2	1.575	40.0	.496	12.6	1.915	48.6	.837	21.3	.250	6.4
10	.656	16.7	1.695	43.1	.906	23.0	1.635	41.5	.426	10.8	2.075	52.7	.887	22.5	.375	9.5
12	.716	18.2	1.765	44.8	.966	24.5	1.705	43.3	.426	10.8	2.075	52.7	.887	22.5	.375	9.5
14	.776	19.7	1.795	45.6	1.026	26.1	1.735	44.1	.436	11.1	2.145	54.5	.987	25.1	.500	12.7
16	.836	21.2	1.895	48.1	1.086	27.6	1.835	46.6	.576	14.6	2.195	55.8	1.137	28.9	.625	15.9
18	.906	23.0	1.955	49.7	1.156	29.4	1.895	48.1	.796	20.2	2.225	56.5	1.337	34.0	.625	15.9
20	.976	24.8	2.015	51.2	1.216	30.9	1.955	49.7	.796	20.2	2.225	56.5	1.337	34.0	.625	15.9
22	1.036	26.3	2.075	52.7	1.276	32.4	2.015	51.2	.696	17.7	2.375	60.3	1.337	34.0	.750	19.1
24	1.096	27.8	2.135	54.2	1.336	33.9	2.075	52.7	.696	17.7	2.375	60.3	1.337	34.0	.750	19.1

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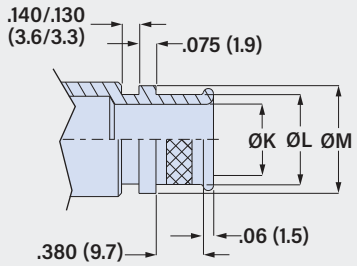
Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

440A*069 Banding Backshell, Shrink Boot, Self-Locking

ENTRY SIZE



Entry Size	Shell Sizes	øK ± .015(0.4) in	øK mm	øL ± .015(0.4) in	øL mm	øM ± .015(0.4) in	øM mm
01	08-36	.125	3.2	.250	6.4	.312	7.9
31	08-36	.188	4.8	.312	7.9	.375	9.5
02	08-36	.250	6.4	.375	9.5	.438	11.1
32	10-36	.312	7.9	.438	11.1	.500	12.7
03	10-36	.375	9.5	.500	12.7	.562	14.3
33	12-36	.438	11.1	.562	14.3	.625	15.9
04	12-36	.500	12.7	.625	15.9	.687	17.4
34	14-36	.562	14.3	.688	17.5	.750	19.1
05	16-36	.625	15.9	.750	19.1	.812	20.6
35	16-36	.688	17.5	.812	20.6	.875	22.2
06	18-36	.750	19.1	.875	22.2	.938	23.8
36	18-36	.812	20.6	.938	23.8	1.000	25.4

Entry Size	Shell Sizes	øK ± .015(0.4) in	øK mm	øL ± .015(0.4) in	øL mm	øM ± .015(0.4) in	øM mm
07	20-36	.875	22.2	1.000	25.4	1.062	27.0
37	22-36	.938	23.8	1.062	27.0	1.125	28.6
08	22-36	1.000	25.4	1.125	28.6	1.188	30.2
38	24-36	1.062	27.0	1.188	30.2	1.250	31.8
09	24-36	1.125	28.6	1.250	31.8	1.312	33.3
10	28-36	1.250	31.8	1.375	34.9	1.438	36.5
11	32-36	1.375	34.9	1.500	38.1	1.562	39.7
12	32-36	1.500	38.1	1.625	41.3	1.688	42.9
13	32-36	1.625	41.3	1.750	44.5	1.812	46.0
14	36	1.750	44.5	1.875	47.6	1.938	49.2
15	-	1.875	47.6	2.000	50.8	2.062	52.4
16	-	2.000	50.8	2.125	54.0	2.188	55.6

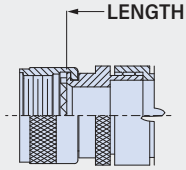
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

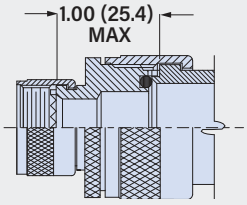
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	02	20	07
10	03	22	08
12	04	24	09
14	34	28	10
16	35	32	13
18	06	36	14

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by one inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Available with W1 hot melt adhesive pre-coat. Operating temperature range -75 to +150 °C (no adhesive), -55 to +125 °C (with W1 adhesive).

Entry Sizes	Shrink Boot P/N	Adhesive Lined Shrink Boot P/N
01-31	770-003S111	770-003S111W1
02-32	770-003S112	770-003S112W1
03	770-001S103	770-001S103W1
33-35	770-001S104	770-001S104W1
06-37	770-001S105	770-001S105W1
08-38	770-001S106	770-001S106W1
09-12	770-001S107	770-001S107W1
13-14	770-001S108	770-001S108W1
15-16	770-001S109	770-001S109W1

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

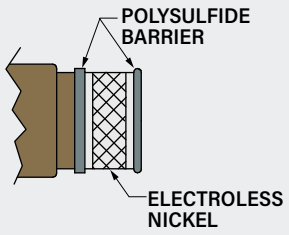
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

440A*072 Banding Backshell, Dual Band

Self-Locking

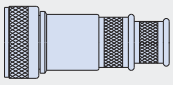
Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

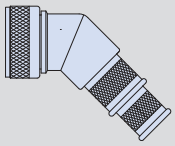
Self-Locking. Two banding platforms. 440A*072 banding backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band straps. Second banding platform is typically used for attaching fabric overbraid. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

PROFILE SELECTION GUIDE

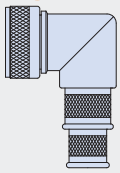
S Straight



H 45°



J 90°



PART NUMBER

	440AS072	Z1	18	06	-4	K	P

Base P/N

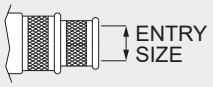
Base Part No.		Profile
440AS072	S	Straight
440AH072	H	45°
440AJ072	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size: 08 10 12 14 16 18 20 22 24 28 32 36 40

Entry Size: *See Table 1*



Length

3	1.5 inches
4	2.0 inches
5	2.5 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.

Band

Omit if not required

K Pre-Coiled Bands Included With Backshell (qty. 2)

Polysulfide

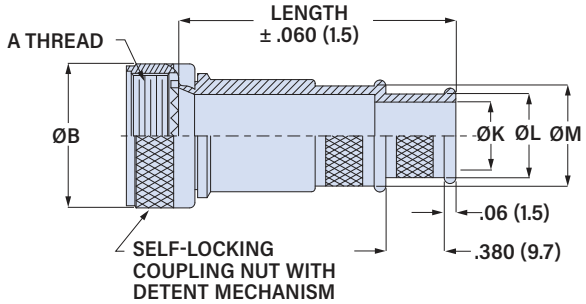
Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	øK ± .015(0.4) in	øK mm	øL ± .015(0.4) in	øL mm	øM ± .015(0.4) in	øM mm
02	08-40	.125	3.2	.250	6.4	.312	7.9
03	08-40	.188	4.8	.312	7.9	.375	9.5
04	08-40	.250	6.4	.375	9.5	.438	11.1
05	10-40	.312	7.9	.438	11.1	.500	12.7
06	12-40	.375	9.5	.500	12.7	.562	14.3
07	12-40	.438	11.1	.562	14.3	.625	15.9
08	12-40	.500	12.7	.625	15.9	.688	17.5
09	14-40	.562	14.3	.688	17.5	.750	19.1
10	16-40	.625	15.9	.750	19.1	.812	20.6
11	16-40	.688	17.5	.812	20.6	.875	22.2
12	18-40	.750	19.1	.875	22.2	.938	23.8
13	20-40	.812	20.6	.938	23.8	1.000	25.4
14	20-40	.875	22.2	1.000	25.4	1.062	27.0
15	22-40	.938	23.8	1.062	27.0	1.125	28.6
16	22-40	1.000	25.4	1.125	28.6	1.188	30.2
17	24-40	1.062	27.0	1.188	30.2	1.250	31.8
18	24-40	1.125	28.6	1.250	31.8	1.312	33.3
20	28-40	1.250	31.8	1.375	34.9	1.438	36.5
22	28-40	1.375	34.9	1.500	38.1	1.562	39.7
24	32-40	1.500	38.1	1.625	41.3	1.688	42.9

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included. See **Maximum Entry Size** for detail.*



Shell Size	A Thread Class 2B	øB Max in	øB Max mm
08	0.500-20 UNF	.69	17.5
10	0.625-24 UNEF	.82	20.8
12	0.750-20 UNEF	.94	23.8
14	0.875-20 UNEF	1.06	26.9
16	1.000-20 UNEF	1.17	29.7
18	1.0625-18 UNEF	1.46	37.1
20	1.1875-18 UNEF	1.60	40.6
22	1.3125-18 UNEF	1.70	43.2
24	1.4375-18 UNEF	1.84	46.7
28	1.750-18 UNS	2.01	51.1
32	2.000-18 UNS	2.26	57.4
36	2.250-16 UN	2.53	64.3
40	2.500-16 UN	3.04	77.2

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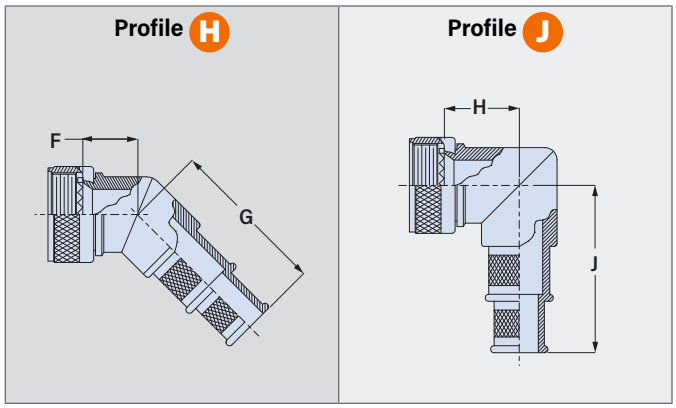
Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

440A*072 Banding Backshell, Dual Band



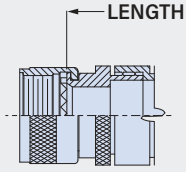
Shell Size	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm
08	.795	20.2	1.328	33.7	.906	23.0	1.438	36.5
10	.820	20.8	1.358	34.5	.966	24.5	1.498	38.0
12	.844	21.4	1.378	35.0	1.026	26.1	1.558	39.6
14	.861	21.9	1.408	35.8	1.076	27.3	1.628	41.4
16	.888	22.6	1.428	36.3	1.136	28.9	1.688	42.9
18	.904	23.0	1.438	36.5	1.176	29.9	1.708	43.4
20	.929	23.6	1.458	37.0	1.236	31.4	1.768	44.9
22	.956	24.3	1.498	38.0	1.296	32.9	1.848	46.9
24	.979	24.9	1.528	38.8	1.356	34.4	1.918	48.7
28	1.055	26.8	1.767	44.9	1.472	37.4	2.014	51.2
32	1.107	28.1	1.890	48.0	1.595	40.5	2.137	54.3
36	1.161	29.5	1.997	50.7	1.703	43.3	2.245	57.0
40	1.216	30.9	2.105	53.5	1.810	46.0	2.352	59.7

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

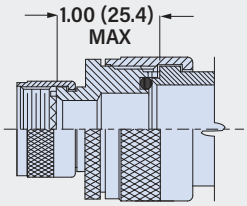
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	04	22	16
10	05	24	18
12	08	28	22
14	09	32	24
16	11	36	24
18	12	40	24
20	14		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by one inch.

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

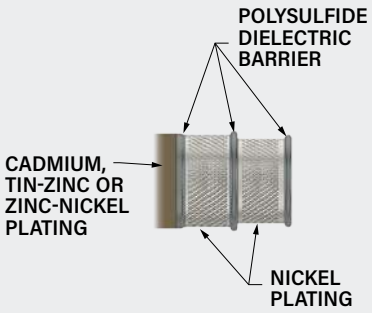
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective nickel plating on banding surfaces prevents galvanic mismatch between nickel-coated braid shield and backshell plating. Polysulfide stripes provide dielectric barriers.

⚠ *Plating codes NF, ZR and TZ only*



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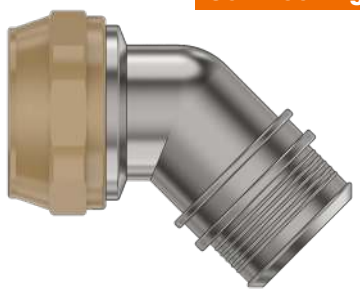
Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

447A*325 Banding Backshell, Composite, Shrink Boot

Self-Locking



Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Lightweight. High strength composite. Standard .240" band. 447A*325 banding backshell fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Glass-reinforced thermoplastic.

PART NUMBER

	447AS325	XM	16	12	D	K	T	S

Base P/N

Base Part No.		Profile
447AS325	S	Straight
447AT325	T	45°
447AW325	W	90°

Finish

XM Electroless Nickel
XMT Nickel-PTFE
XW Olive Drab Cadmium
XTZ Tin-Zinc
Coupling nut is unplated.

Shell Size 08 10 12 14 16 18 20 22 24 28

Entry Size *See Table 1*

Drain Holes
Omit if not required
D Drain Holes

Band
Omit if not required
K Pre-Coiled Band Included With Backshell

Shrink Boot
Omit if not required
T Shrink Boot Included With Backshell

Slot
Omit if not required
S Pigtail Termination Slots

TABLE 1: ENTRY SIZE

Entry Size	Cable Entry ± .03(0.8) in	mm	Shell Sizes	Entry Size	Cable Entry ± .03(0.8) in	mm	Shell Sizes
03	.19	4.8	08-28	13	.81	20.6	18-28
04	.25	6.4	08-28	14	.88	22.4	20-28
05	.31	7.9	10-28	15	.94	23.9	20-28
06	.38	9.7	10-28	16	1.00	25.4	22-28
07	.44	11.2	12-28	17	1.06	26.9	22-28
08	.50	12.7	12-28	18	1.13	28.7	24-28
09	.56	14.2	14-28	19	1.19	30.2	24-28
10	.63	16.0	14-28	20	1.25	31.8	28
11	.69	17.5	16-28	22	1.38	35.1	28
12	.75	19.1	16-28				

BAND

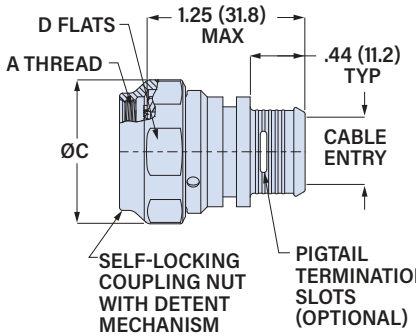
Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Std. Band
601-041

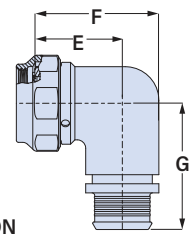
SHRINK BOOT

Optional heatshrink boot provides environmental protection and cable strain relief. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.

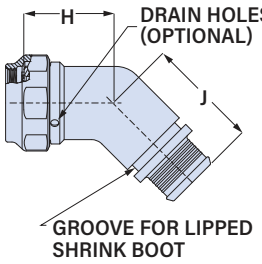
S Straight



W 90°



T 45°



Shell Size	A Thread Class 2B	øC Max in	mm	D Hex Flats in	mm	E ± .06(1.5) in	mm	F ± .09(2.3) in	mm	G ± .09(2.3) in	mm	H ± .06(1.5) in	mm	J ± .06(1.5) in	mm	Max Entry Size
08	0.500-20 UNF	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.19	30.2	.72	18.3	1.00	25.4	04
10	0.625-24 UNEF	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.25	31.8	.75	19.1	1.06	26.9	06
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.31	33.3	.75	19.1	1.13	28.7	08
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	.76	19.3	1.16	29.5	10
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	.78	19.8	1.18	30.0	12
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	.79	20.1	1.19	30.2	13
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.82	20.8	1.22	31.0	15
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	.86	21.8	1.26	32.0	17
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.89	22.6	1.29	32.8	19
28	1.750-18 UNS	2.15	54.6	2.000	50.8	1.34	34.0	2.13	54.1	1.78	45.2	.92	23.4	1.32	33.5	22

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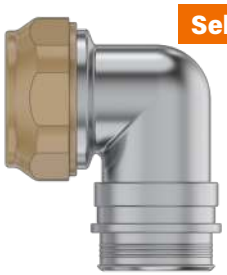
Dimensions in Inches (millimeters) are subject to change without notice.

Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

447A*326 Banding Backshell , Composite, Shrink Boot, Micro Band



Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Composite. Low profile Micro band. 447A*326 banding backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional .120" width micro band strap. Optional shrink boot adds strain relief and environmental protection. Glass-reinforced thermoplastic.

PART NUMBER

447AS326	XM	18	10	D	K	T	S

Base P/N

Base Part No.		Profile
447AS326	S	Straight
447AT326	T	45°
447AW326	W	90°

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

Coupling nut is unplated.

Shell Size: 08 10 12 14 16 18 20 22 24 28

Entry Size: *See Table 1*

Drain Holes: *Omit if not required*
D Drain Holes

Band: *Omit if not required*
K Pre-Coiled Band Included With Backshell

Shrink Boot: *Omit if not required*
T Shrink Boot Included With Backshell

Slot: *Omit if not required*
S Pigtail Termination Slots

TABLE 1: ENTRY SIZE

Entry Size	Cable Entry ±.03 (0.8) in	Cable Entry ±.03 (0.8) mm	øL ±.015(0.4) in	øL ±.015(0.4) mm	øM ±.015(0.4) in	øM ±.015(0.4) mm	Shell Sizes
02	.13	3.3	.250	6.4	.386	9.8	08-28
03	.19	4.8	.316	8.0	.452	11.5	08-28
04	.25	6.4	.382	9.7	.510	13.0	08-28
05	.31	7.9	.448	11.4	.584	14.8	10-28
06	.38	9.7	.515	13.1	.651	16.5	10-28
07	.44	11.2	.582	14.8	.718	18.2	12-28
08	.50	12.7	.647	16.4	.783	19.9	12-28
09	.56	14.2	.713	18.1	.849	21.6	14-28
10	.63	16.0	.780	19.8	.873	22.2	14-28
11	.69	17.5	.847	21.5	.983	25.0	16-28
12	.75	19.1	.913	23.2	1.049	26.6	16-28
13	.81	20.6	.979	24.9	1.115	28.3	18-28
14	.88	22.4	1.054	26.8	1.190	30.2	20-28
15	.94	23.9	1.115	28.3	1.251	31.8	20-28
16	1.00	25.4	1.183	30.0	1.319	33.5	22-28
17	1.06	26.9	1.251	31.8	1.387	35.2	22-28
18	1.13	28.7	1.320	33.5	1.456	37.0	24-28
19	1.19	30.2	1.389	35.3	1.525	38.7	24-28
20	1.25	31.8	1.457	37.0	1.593	40.5	28
22	1.38	35.1	1.588	40.3	1.724	43.8	28

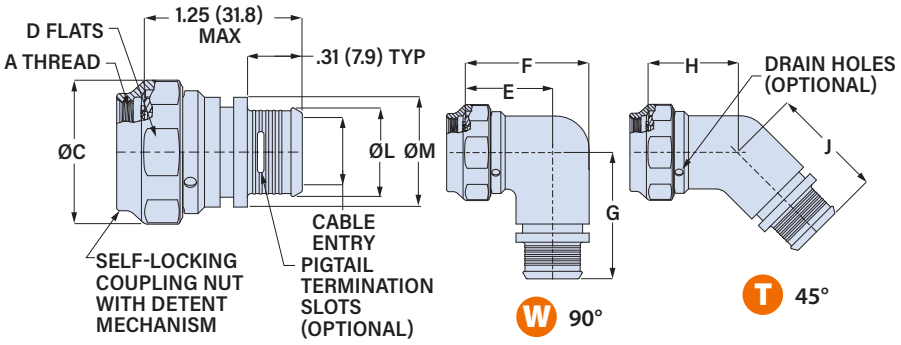
BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Entry Sizes	Pre-Coiled Band P/N	Length
02 - 08	601-061	8.13 (206)
09 - 22	601-065	14.25 (362)

SHRINK BOOT

Optional heatshrink boot provides environmental protection and cable strain relief. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.



Shell Size	A Thread Class 2B	øC Max in	øC Max mm	D Hex Flats in	D Hex Flats mm	E ±.06(1.5) in	E ±.06(1.5) mm	F ±.09(2.3) in	F ±.09(2.3) mm	G ±.09(2.3) in	G ±.09(2.3) mm	H ±.06(1.5) in	H ±.06(1.5) mm	J ±.09(2.3) in	J ±.09(2.3) mm	Max Entry Size
08	0.500-20 UNF	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	26.9	.72	18.3	.87	22.1	04
10	0.625-24 UNEF	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	.75	19.1	.93	23.6	06
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	.75	19.1	1.00	25.4	08
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.25	31.8	.76	19.3	1.03	26.2	10
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.31	33.3	.78	19.8	1.05	26.7	12
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.38	35.0	.79	20.1	1.06	26.9	13
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.48	37.6	.82	20.8	1.09	27.7	15
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.54	39.1	.86	21.8	1.13	28.7	17
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.60	40.6	.89	22.6	1.16	29.5	19
28	1.750-18 UNS	2.15	54.6	2.000	50.8	1.34	34.0	2.13	54.1	1.70	43.2	.92	23.4	1.19	30.2	22

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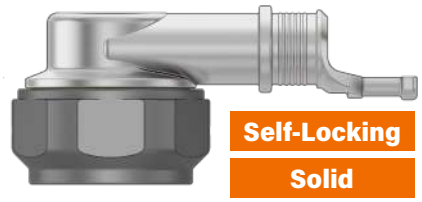
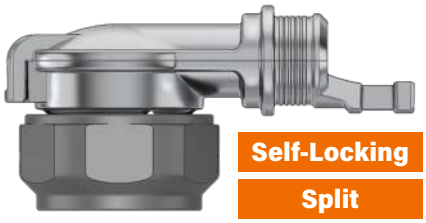
Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

440A*143 Banding Backshell, Composite, Shrink Boot, Ultra Low-Profile 90°



Self-Locking
Solid



Self-Locking
Split

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

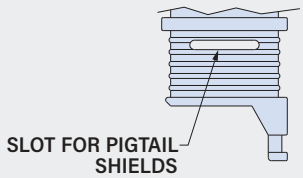
Band P/N	Length
601-060	8.13 (206)

SHRINK BOOT

Optional heatshrink boot provides environmental protection and cable strain relief. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.

FIGURE 1: SLOTS

Optional pigtail shield termination slots are located on banding platform. Profile E split version has one slot. Profile W solid version has two slots.



Ultra low-profile 90°. Composite. Self-locking. Micro band. Elliptical entry. Qwik-Ty®. 440A*143 banding backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Split version has lid for wiring access. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional micro band strap. Optional shrink boot adds strain relief. Glass-reinforced thermoplastic.

PART NUMBER

	440AW143	XM	18	D	B	T	S

Base P/N

Base Part No.		Profile
440AE143	E	90° Split
440AW143	W	90° Solid

Finish

- XM Electroless Nickel
- XMT Nickel-PTFE
- XW Olive Drab Cadmium
- XTZ Tin-Zinc

Coupling nut is unplated, black color.

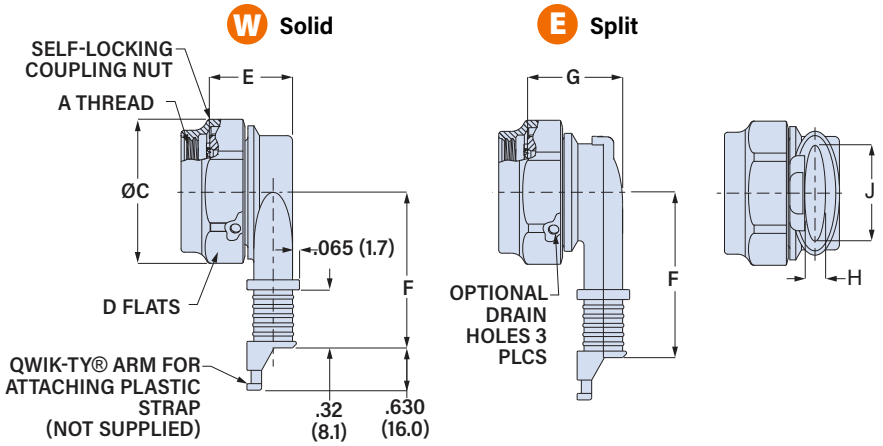
Shell Size: 08 10 12 14 16 18 20 22 24

Drain Holes: *Omit if not required*
D Drain Holes

Band: *Omit if not required*
B Micro Band Included (supplied flat/uncoiled)

Shrink Boot: *Omit if not required*
T Shrink Boot Included

Slot: *Omit if not required. See Figure 1.*
S Pigtail Termination Slots



Shell Size	Profile	A Thread Class 2B	øC Max in	øC Max mm	D Hex Flats in	D Hex Flats mm	E Max in	E Max mm	F ± .03 (0.8) in	F ± .03 (0.8) mm	G Max in	G Max mm	H ± .06 (1.5) in	H ± .06 (1.5) mm	J ± .09 (2.3) in	J ± .09 (2.3) mm
08	E, W	0.500-20 UNF	.86	21.8	.750	19.1	.63	16.0	1.042	26.5	.81	20.6	.160	4.1	.304	7.7
10	E, W	0.625-24 UNEF	.98	24.9	.875	22.2	.66	16.8	1.107	28.1	.81	20.6	.174	4.4	.432	11.0
12	E, W	0.750-20 UNEF	1.16	29.5	1.000	25.4	.72	18.3	1.174	29.8	.82	20.8	.195	5.0	.546	13.9
14	E, W	0.875-20 UNEF	1.28	32.5	1.125	28.6	.83	21.1	1.241	31.5	.88	22.4	.315	8.0	.670	17.0
16	E, W	1.000-20 UNEF	1.41	35.8	1.250	31.8	.91	23.1	1.305	33.1	.93	23.6	.385	9.8	.796	20.2
18	E, W	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.93	23.6	1.371	34.8	.99	25.1	.445	11.3	.902	22.9
20	E, W	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.04	26.4	1.438	36.5	1.06	26.9	.525	13.3	1.027	26.1
22	E, W	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.12	28.4	1.505	38.2	1.13	28.7	.595	15.1	1.152	29.3
24	E	1.4375-18 UNEF	1.89	48.0	1.750	44.5	N/A	N/A	1.850	47.0	1.05	26.7	.450	11.4	1.460	37.1
24	W	1.4375-18 UNEF	1.89	48.0	2.000	50.8	1.18	30.0	1.572	39.9	N/A	N/A	.655	16.6	1.276	32.4

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Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

447A*531 Banding Backshell, Shrink Boot, Spanner Nut

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Self-locking. Impact resistant coupling nut. 447A*531 banding backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** and EN2997 connectors. Impact resistant coupling nut has 2.8 mm spanner wrench holes. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Attach shielding and overbraid sleeving to backshell with band strap (not supplied). Shrink boot (not supplied) adds strain relief and environmental protection. Aluminum or stainless steel with thermoplastic detent spring and SST retainer ring.

PART NUMBER

447AS531	Z1	18	10	B	L	-157

Base P/N

Base Part No.	Profile
447AS531	S Straight
447AJ531	J 90°

Material/Finish

- M Alum/ Electroless Nickel
- MT Alum/ Nickel-PTFE
- NF Alum/ Olive Drab Cadmium
- ZR Alum/ Black Zinc-Nickel
- TZ Alum/ Tin-Zinc
- Z1 SST/ Passivated

Shell Size: 08 10 12 14 16 18 20 22 24

Entry Size: *See Table 1*

Length: *Applies to Profile S only. See Table 2.* A B C D

Slot: *Omit if not required. See Figure 1.* L Slots for Individual Shields

Teflon Coating: *Omit if not required.* -157 Teflon Coating on Inside Surface

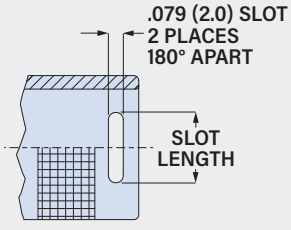
TABLE 1: ENTRY SIZE

Entry Size	øE ± .015 (0.4) in	øE mm	øF ± .015 (0.4) in	øF mm	øG ± .015 (0.4) in	øG mm	Shell Sizes
03	.185	4.7	.303	7.7	.480	12.2	08-14
04	.252	6.4	.370	9.4	.551	14.0	08-16
05	.311	7.9	.433	11.0	.610	15.5	08-20
06	.374	9.5	.496	12.6	.673	17.1	10-22
07	.437	11.1	.555	14.1	.736	18.7	10-24
08	.500	12.7	.618	15.7	.800	20.3	12-24
10	.626	15.9	.744	18.9	.925	23.5	14-24
12	.752	19.1	.866	22.0	1.051	26.7	16-24
14	.874	22.2	.992	25.2	1.173	29.8	20-24
16	1.004	25.5	1.118	28.4	1.300	33.0	22-24
18	1.126	28.6	1.240	31.5	1.425	36.2	24
20	1.252	31.8	1.366	34.7	1.551	39.4	24

TABLE 2: LENGTH CODE

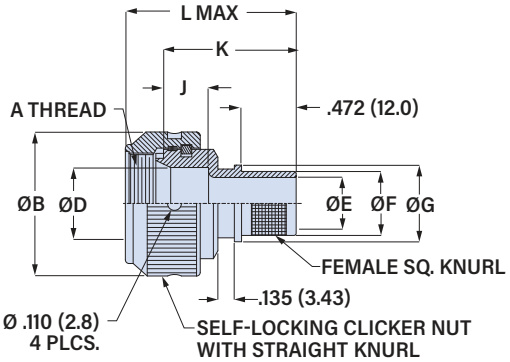
Length Code	J ± .015 (0.4) in	J mm	K Max in	K Max mm	L Max in	L Max mm
A	.291	7.4	1.035	26.3	1.362	34.6
B	.606	15.4	1.350	34.3	1.677	42.6
C	.803	20.4	1.547	39.3	1.874	47.6
D	1.197	30.4	1.941	49.3	2.768	57.6

FIGURE 1: SLOT OPTION (L)

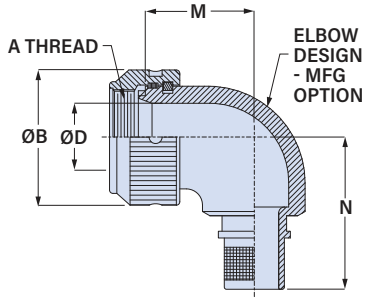


Entry Size	Slot Length in	Slot Length mm
03, 04, 05	.157	4.0
06, 07, 08	.276	7.0
10, 12	.433	11.0
14, 16	.472	12.0
18, 20	.551	14.0

S Straight



J 90°



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	øD Max in	øD Max mm	M Max in	M Max mm	N Max in	N Max mm	Max Entry Size
08	0.500-20 UNF	.885	22.5	.270	6.86	.583	14.8	1.222	31.1	05
10	0.625-24 UNEF	1.010	25.7	.375	9.53	.654	16.6	1.347	34.2	07
12	0.750-20 UNEF	1.135	28.8	.511	12.98	.713	18.1	1.494	38.0	08
14	0.875-20 UNEF	1.260	32.0	.585	14.86	.736	18.7	1.561	39.7	10
16	1.000-20 UNEF	1.385	35.2	.710	18.03	.799	20.3	1.624	41.3	12
18	1.0625-18 UNEF	1.510	38.6	.789	20.04	.839	21.3	1.722	43.8	12
20	1.1875-18 UNEF	1.635	41.5	.914	23.22	.898	22.8	1.847	46.9	14
22	1.3125-18 UNEF	1.760	44.7	1.039	26.39	.961	24.4	1.972	50.1	16
24	1.4375-18 UNEF	1.885	47.9	1.154	29.31	1.027	26.1	2.097	53.3	20

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Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

443A*024 Banding Backshell, Shrouded Environmental

Self-Locking

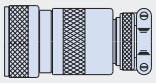
Environmental. "Band-in-a-Can" shield termination. Saddle clamp. 443A*024 banding backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield with band strap (not supplied). Environmentally sealed with O-rings and cable grommet. Aluminum or stainless steel. Saddle clamp hardware is passivated SST. Silicone O-rings and grommet. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

Adapter Code A

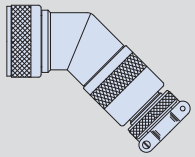
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

PROFILE SELECTION GUIDE

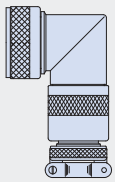
S Straight



H 45°



J 90°



PART NUMBER

	443AS024	NF	18	06-	3	S

Base P/N

Base Part No.		Profile
443AS024	S	Straight
443AH024	H	45°
443AJ024	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
ZM	SST/ Electroless Nickel

Shell Size: 08 10 12 14 16 18 20 22 24 28 32 36

Entry Size: *See Table 1*

Length

2	1.0 inch
3	1.5 inches
4	2.0 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size", then 2 inch minimum applies.

Self-Locking: S Self-Locking Coupling Nut

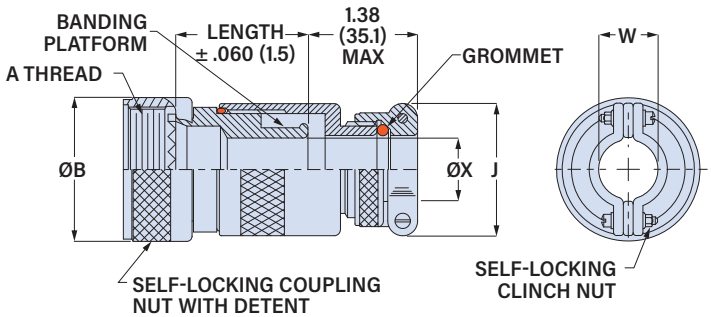


TABLE 1: ENTRY SIZE

Entry Size	Cable Range Min. in	Cable Range Min. mm	Cable Range Max. in	Cable Range Max. mm	J Max. in	J Max. mm	W Closed in	W Closed mm	ø X Min in	ø X Min mm	Shell Sizes*
01	.125	3.2	.250	6.4	1.05	26.7	.264	6.7	.25	6.4	08-36
02	.188	4.8	.375	9.5	1.20	30.5	.344	8.7	.37	9.4	10-36
03	.312	7.9	.438	11.1	1.30	33.0	.460	11.7	.43	10.9	10-36
04	.343	8.7	.500	12.7	1.44	36.6	.545	13.8	.50	12.7	12-36
05	.438	11.1	.625	15.9	1.69	42.9	.698	17.7	.62	15.7	16-36
06	.562	14.3	.750	19.1	1.77	45.0	.780	19.8	.75	19.1	18-36
07	.688	17.5	.875	22.2	2.12	53.8	.950	24.1	.87	22.1	20-36
08	.812	20.6	1.000	25.4	2.50	63.5	1.015	25.8	1.00	25.4	22-36
09	.938	23.8	1.125	28.6	2.62	66.5	1.187	30.1	1.12	28.4	24-36
10	1.062	27.0	1.250	31.8	2.68	68.1	1.220	31.0	1.25	31.8	28-36
11	1.125	28.6	1.375	34.9	3.00	76.2	1.500	38.1	1.38	35.1	28-36
12	1.250	31.8	1.500	38.1	3.50	88.9	1.625	41.3	1.50	38.1	32-36

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

Shell Size	A Thread Class 2B	øB Max in	øB Max mm	Max Entry Size
08	0.500-20 UNF	.69	17.5	01
10	0.625-24 UNEF	.82	20.8	02
12	0.750-20 UNEF	.94	23.8	04
14	0.875-20 UNEF	1.06	26.9	04
16	1.000-20 UNEF	1.17	29.7	05
18	1.0625-18 UNEF	1.46	37.1	06
20	1.1875-18 UNEF	1.60	40.6	07
22	1.3125-18 UNEF	1.70	43.2	08
24	1.4375-18 UNEF	1.84	46.7	09
28	1.750-18 UNS	2.01	51.1	11
32	2.000-18 UNS	2.26	57.4	12
36	2.250-16 UN	2.53	64.3	12

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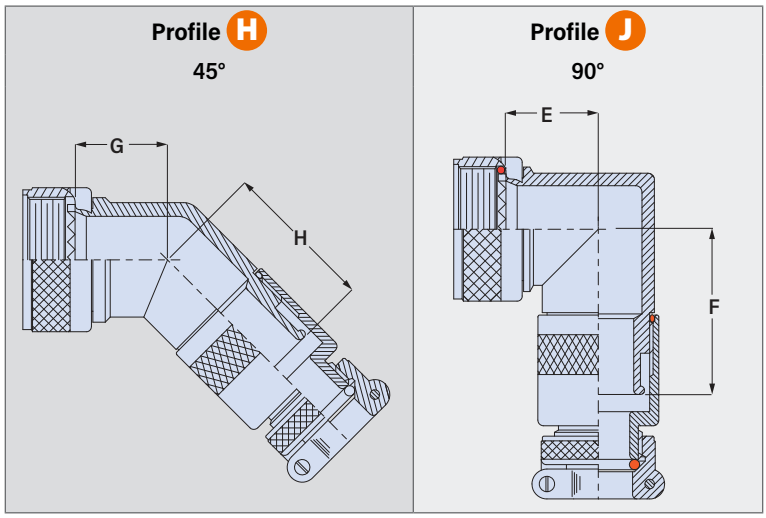
Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

443A*024 Banding Backshell, Shrouded, Environmental, Saddle Clamp



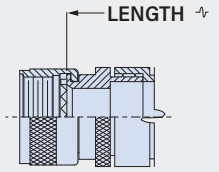
Shell Size	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm
08	.75	19.1	1.50	38.1	.639	16.2	1.380	35.1
10	.81	20.6	1.55	39.4	.664	16.9	1.410	35.8
12	.87	22.1	1.61	40.9	.688	17.5	1.430	36.3
14	.92	23.4	1.68	42.7	.705	17.9	1.460	37.1
16	.98	24.9	1.74	44.2	.732	18.6	1.480	37.6
18	1.02	25.9	1.76	44.7	.748	19.0	1.490	37.8
20	1.08	27.4	1.82	46.2	.773	19.6	1.510	38.4
22	1.14	29.0	1.90	48.3	.800	20.3	1.550	39.4
24	1.20	30.5	1.97	50.0	.823	20.9	1.580	40.1
28	1.48	37.6	2.21	56.1	1.041	26.4	1.750	44.5
32	1.55	39.4	2.34	59.4	1.280	32.5	1.880	47.8
36	1.65	41.9	2.41	61.2	1.294	32.9	2.000	50.8

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

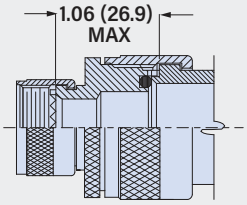
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	01	20	07
10	02	22	08
12	04	24	09
14	04	28	11
16	05	32	12
18	06	36	12

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 2 (1 inch) to 4 (2 inches).

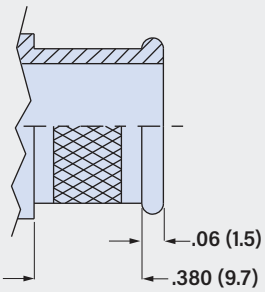
Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.06 inches.

BAND

SST band strap (not included, ordered separately) provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

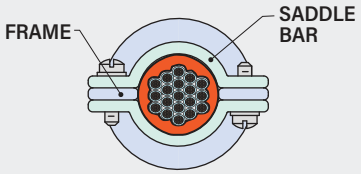


Band
601-041

Banding Tool
601-100

APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp.



FULL RADIUS SADDLE CLAMP
SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

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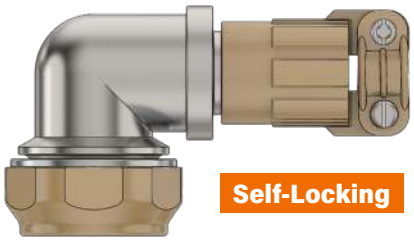
Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

447A*328 Banding Backshell, Composite, Shrouded



Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Std. Band
601-041

Lightweight. Composite. Band-in-a-Can shield termination. 447A*328 banding backshell fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Glass-reinforced thermoplastic.

PART NUMBER

447AS328	XM	14	12	K	S

Base P/N

Base Part No.		Profile
447AS328	S	Straight
447AT328	T	45°
447AW328	W	90°

Finish

XM Electroless Nickel
XMT Nickel-PTFE
XW Olive Drab Cadmium
XTZ Tin-Zinc
Coupling nut and saddle clamp are unplated amber color.

Shell Size 08 10 12 14 16 18 20 22 24 28

Entry Size *See Table 1*

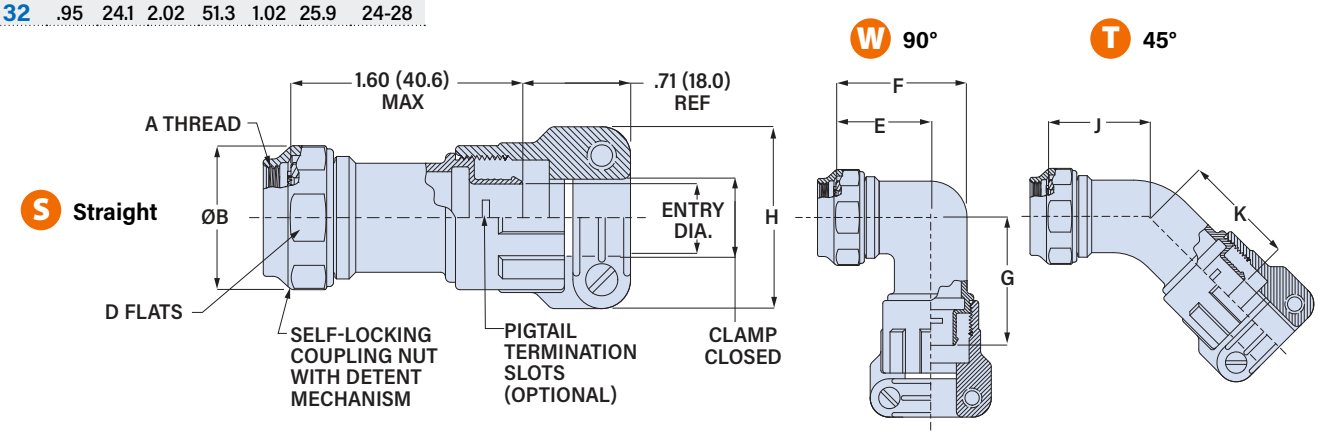
Band
Omit if not required
K Pre-Coiled Band Included

Slot
Omit if not required
S Pigtail Termination Slots

TABLE 1: ENTRY SIZE

Entry Size	Entry Dia. ± .03 (0.8) in	Entry Dia. ± .03 (0.8) mm	H ± .06 (1.5) in	H ± .06 (1.5) mm	Clamp Closed ± .03 (0.8) in	Clamp Closed ± .03 (0.8) mm	Shell Sizes
10	.22	5.6	.94	23.9	.26	6.6	08-28
12	.28	7.1	1.17	29.7	.34	8.6	10-28
14	.34	8.6	1.28	32.5	.46	11.7	12-28
16	.46	11.7	1.41	35.8	.55	14.0	14-28
18	.55	14.0	1.50	38.1	.62	15.7	16-28
20	.62	15.7	1.56	39.6	.70	17.8	16-28
22	.70	17.8	1.69	42.9	.78	19.8	20-28
24	.78	19.8	1.81	46.0	.85	21.6	22-28
28	.85	21.6	1.91	48.5	.95	24.1	24-28
32	.95	24.1	2.02	51.3	1.02	25.9	24-28

Shell Size	A Thread Class 2B	øB Max in	øB Max mm	D Hex Flats in	D Hex Flats mm	E ±.06(1.5) in	E ±.06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G Max in	G Max mm	J ± .06(1.5) in	J ± .06(1.5) mm	K ±.09(2.3) in	K ±.09(2.3) mm	Max Entry Size
08	0.500-20 UNF	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.31	33.3	.72	18.3	1.15	29.2	10
10	0.625-24 UNEF	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.42	36.1	.75	19.1	1.27	32.3	12
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.57	39.9	.75	19.1	1.33	33.8	14
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.57	39.9	.76	19.3	1.37	34.8	16
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.64	41.7	.78	19.8	1.39	35.3	20
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.73	43.9	.79	20.1	1.41	35.8	20
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.82	46.2	.82	20.8	1.43	36.3	22
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.82	46.2	.86	21.8	1.47	37.3	24
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.92	48.8	.89	22.6	1.50	38.1	32
28	1.750-18 UNS	2.15	54.6	2.000	50.8	1.34	34.0	2.13	54.1	2.00	50.8	.92	23.4	1.53	38.9	32



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REV 04.10.23

Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

447AC659 Banding Backshell, Shrouded Low Profile 90°

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

BAND

Terminate cable braid to backshell with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Entry Sizes	Pre-Coiled Band P/N	Length
10 - 16	601-061	8.13 (206)
18 - 20	601-065	14.25 (362)

"Band-in-a-Can" shield termination. Low profile. Saddle clamp. 447AC659 banding backshell fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. "Cobra" style split construction with screw-on lid for easy wire routing. Terminate cable braid shield to banding platform with micro band strap. Saddle clamp hardware is passivated SST.

PART NUMBER

447AC659	M	18	14	K

Base P/N — 447AC659

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

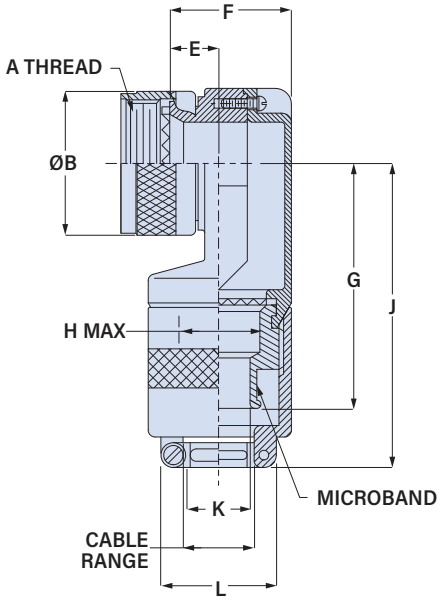
Shell Size — 08 10 12 14 16 18 20 22 24

Entry Size

Entry Size	Cable Range Inches Min.	Inches Max.	mm Min.	mm Max.	Shell Sizes
10	.130	.250	3.3	6.4	08-24
12	.250	.380	6.4	9.7	10-24
14	.310	.440	7.9	11.2	14-24
16	.375	.630	9.5	16.0	16-24
18	.560	.690	14.2	17.5	22-24
20	.630	.750	16.0	19.1	22-24

Band — *Omit if not required*

K	Pre-Coiled Band Included With Backshell



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm	Max Entry Size
08	0.500-20 UNF	.65	16.5	.34	8.6	.681	17.3	1.62	41.1	.25	6.4	2.12	53.8	10
10	0.625-24 UNEF	.77	19.6	.27	6.9	.731	18.6	1.78	45.2	.38	9.5	2.28	57.9	12
12	0.750-20 UNEF	.94	23.9	.27	6.9	.731	18.6	1.78	45.2	.38	9.5	2.28	57.9	12
14	0.875-20 UNEF	1.02	25.9	.28	7.1	.831	21.1	1.85	47.0	.50	12.7	2.35	59.7	14
16	1.000-20 UNEF	1.21	30.7	.42	10.7	.981	24.9	1.90	48.3	.63	15.9	2.40	61.0	16
18	1.0625-18 UNEF	1.23	31.2	.64	16.3	1.181	30.0	1.93	49.0	.63	15.9	2.43	61.7	16
20	1.1875-18 UNEF	1.36	34.5	.64	16.3	1.181	30.0	1.93	49.0	.63	15.9	2.43	61.7	16
22	1.3125-18 UNEF	1.48	37.6	.54	13.7	1.181	30.0	2.08	52.8	.75	19.1	2.58	65.5	20
24	1.4375-18 UNEF	1.73	43.9	.54	13.7	1.181	30.0	2.08	52.8	.75	19.1	2.58	65.5	20

Entry Size	ø K ± .03 (0.8) in	ø K ± .03 (0.8) mm	L Max in	L Max mm	Cable Range Inches Min.	Cable Range Inches Max.	Cable Range mm Min.	Cable Range mm Max.	Shell Sizes
10	.22	5.6	1.00	25.4	.130	.250	3.3	6.4	08-24
12	.31	7.9	1.25	31.8	.250	.380	6.4	9.7	12-24
14	.44	11.2	1.34	34.0	.310	.440	7.9	11.2	14-24
16	.56	14.2	1.47	37.3	.375	.630	9.5	16.0	16-24
18	.63	16.0	1.56	38.1	.560	.690	14.2	17.5	22-24
20	.75	19.1	1.62	41.1	.630	.750	16.0	19.1	22-24

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Series 44 Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

447AS523 Banding/ Overmolding Adapter

Low Profile. Micro band. Direct coupling. 447AS523 banding/overmolding adapter fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Terminate cable braid shield to adapter with .120" width micro band (sold separately). Aluminum or stainless steel, silicone O-ring.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

BAND

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

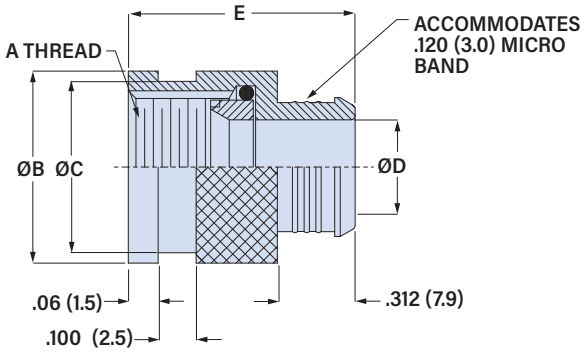
Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max. Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

PART NUMBER

	447AS523	M	18
Base P/N	**447AS523**		
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated		
Shell Size	**08 10 12 14 16 18 20 22 24 28 32**		



Shell Size	A Thread Class 2B	øB ± .015 (0.4) in	øB mm	øC ± .015 (0.4) in	øC mm	øD ± .015 (0.4) in	øD mm	E ± .03 (0.8) in	E mm
08	0.500-20 UNF	.625	15.9	.562	14.3	.250	6.4	.880	22.4
10	0.625-24 UNEF	.750	19.1	.687	17.4	.375	9.5	.880	22.4
12	0.750-20 UNEF	.875	22.2	.812	20.6	.500	12.7	.880	22.4
14	0.875-20 UNEF	1.000	25.4	.937	23.8	.625	15.9	.880	22.4
16	1.000-20 UNEF	1.125	28.6	1.062	27.0	.750	19.1	.880	22.4
18	1.0625-18 UNEF	1.188	30.2	1.125	28.6	.875	22.2	.880	22.4
20	1.1875-18 UNEF	1.312	33.3	1.250	31.8	1.000	25.4	.880	22.4
22	1.3125-18 UNEF	1.438	36.5	1.375	34.9	1.125	28.6	.880	22.4
24	1.4375-18 UNEF	1.562	39.7	1.500	38.1	1.250	31.8	.880	22.4
28	1.750-18 UNS	1.937	49.2	1.875	47.6	1.500	38.1	1.060	26.9
32	2.000-18 UNS	2.250	57.2	2.188	55.6	1.750	44.5	1.060	26.9

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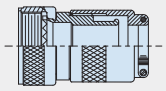
Series 44 EMI Banding Backshells

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

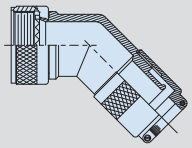
440A*039 EMI/RFI Banding Adapter for Circular Connectors

PROFILE SELECTION GUIDE

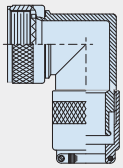
S Straight



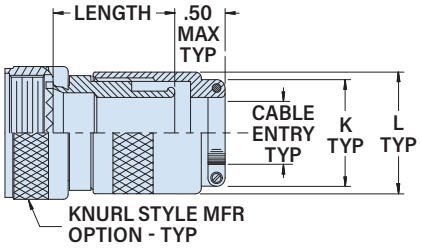
H 45°



J 90°



DIMENSIONS



PART NUMBER

	440AS039	M	18	04	-5	B

Base P/N

Base Part No.	Profile
440AS039	S Straight
440AH039	H 45°
440AJ039	J 90°

Finish Symbol

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Cadmium Olive Drab Over Electroless Nickel
ZR	Alum/ Zinc Nickel/ Black Over Electroless Nickel
TZ	Alum/ Tin-Zinc/ Green-Gold Over Electroless Nickel
Z1	SST/ Passivated

Shell Size

08 10 12 14 16 18 20 22 24 28 32 36 40

Dash No

01 02 03 04 05 06 07 08 09 10

See Table I

Length

2	1.0 inch
3	1.5 inches
4	2.0 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than Maximum Entry Size on next page, then 1.5 inch minimum applies.

Band

Omit if not required

B	Band Option
K	Pre-Coiled Band

TABLE 1: ENTRY SIZE

Dash No	K MAX in	K MAX mm	L MAX in	L MAX mm	Cable Entry Min in	Cable Entry Min mm	Cable Entry Max in	Cable Entry Max mm
01	.843	21.41	.78	19.81	.125	3.18	.250	6.35
02	.968	24.59	.97	24.64	.156	3.96	.375	9.53
03	1.046	26.57	1.05	26.67	.250	6.35	.438	11.13
04	1.156	29.36	1.15	29.21	.280	7.11	.500	12.70
05	1.218	30.94	1.22	30.99	.375	9.53	.625	15.88
06	1.343	34.11	1.34	34.04	.500	12.70	.750	19.05
07	1.468	37.29	1.47	37.34	.625	15.88	.875	22.23
08	1.593	40.46	1.59	40.39	.750	19.05	1.000	25.40
09	1.718	43.64	1.72	43.69	.875	22.23	1.125	28.58
10	1.843	46.81	1.84	46.74	1.000	25.40	1.250	31.75

** If selected entry size exceeds the shell size range shown in table, a Style 2 adapter will be included. Refer to Maximum Entry Size on next page for details.*

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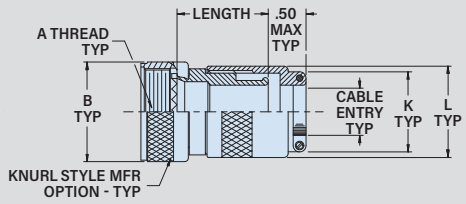
Series 44 EMI Banding Backshells

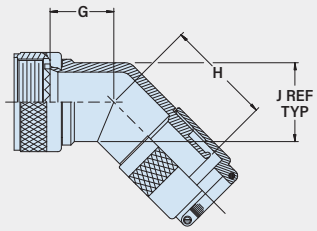
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

440A*039 EMI/RFI Banding Adapter for Circular Connectors

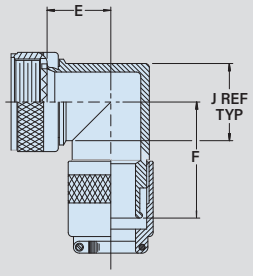
Profile S Straight



Profile H 45°



Profile J 90°



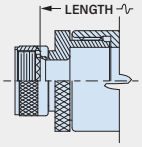
Shell Size A	E MAX in	E MAX mm	F MAX in	F MAX mm	G MAX in	G MAX mm	H MAX in	H MAX mm	J REF in	J REF mm	Max Dash No A	Max Dash No F, H, L
08	.75	19.05	1.50	38.10	.639	16.23	1.38	35.05	.45	11.43	01	01
10	.81	20.57	1.55	39.37	.664	16.87	1.41	35.81	.58	14.73	02	02
12	.87	22.10	1.61	40.89	.688	17.48	1.43	36.32	.69	17.53	04	04
14	.92	23.37	1.68	42.67	.705	17.91	1.46	37.08	.82	20.83	04	05
16	.98	24.89	1.74	44.20	.732	18.59	1.48	37.59	.94	23.88	05	06
18	1.02	25.91	1.76	44.70	.748	19.00	1.49	37.85	1.03	26.16	06	07
20	1.08	27.43	1.82	46.23	.773	19.63	1.51	38.35	1.16	29.46	07	08
22	1.14	28.96	1.90	48.26	.800	20.32	1.55	39.37	1.28	32.51	08	09
24	1.20	30.48	1.97	50.04	.823	20.90	1.58	40.13	1.41	35.81	09	10
28	1.48	37.59	2.21	56.13	1.041	26.44	1.75	44.45	1.56	39.62	10	-
32	1.61	40.89	2.30	58.42	1.092	27.74	1.79	45.47	1.78	45.21	10	-
36	1.72	43.69	2.41	61.21	1.138	28.91	1.84	46.74	2.00	50.80	10	-
40	1.83	46.48	2.52	64.01	1.184	30.07	1.88	47.75	2.21	56.13	10	-

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

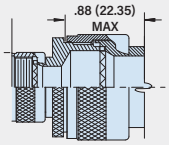
Shell Size A	Shell Size F, L	Shell Size H	Max Dash No A	Max Dash No F, H, L
08	08	09	01	01
10	10	11	02	02
12	12	13	04	04
14	14	15	04	05
16	16	17	05	06
18	18	19	06	07
20	20	21	07	08
22	22	23	08	09
24	24	25	09	10
28	-	-	10	-
32	-	-	10	-
36	-	-	10	-
40	-	-	10	-

Style 2 Straight Backshell



Style 2 profile S straight backshell minimum length code is 4 (1.5 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the front adapter adds 1 inch.

BAND

Terminate cable braid to EMI backshell with optional banding strap. Stainless steel.

Micro Band

Hand Tool
601-101

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
02 - 10	601-061	8.13 (206)	.88 (22.4)
10 - 20	601-065	14.25 (362)	1.88 (47.8)

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Series 44 Banding Backshells

for AS50151 Solder Connectors

440B*031 Banding Backshell, Shrink Boot, Direct Coupling

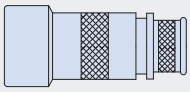
Banding. Direct coupling. 440B*031 banding backshell fits AS50151 (MS3100) solder connectors. Includes universal thread adapters as required to assure compatibility with all connector manufacturers. Direct coupling, environmental (requires optional shrink boot). Available in aluminum or stainless steel. Silicone O-rings.

Adapter Code B

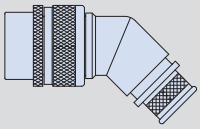
Fits AS50151 Series 1 AN Type solder Connectors . AS310*1, MS3100.

PROFILE SELECTION GUIDE

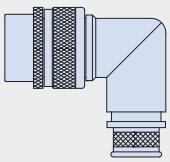
S Straight



H 45°



J 90°



PART NUMBER

	440BS031	NF	16	03-	3	K	T	A

Base P/N

Base Part No.	Profile
440BS031	S Straight
440BH031	H 45°
440BJ031	J 90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Code	Shell Size	Code	Shell Size
05	10S	20	22
08	10SL	21	24
11	12, 12S	22	28
14	14, 14S	23	32
15	16, 16S	26	36
16	18	31	40
17	20		

Entry Size — *See Table 1*

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. 1.5 inch minimum. If Entry Size is greater than "Max. Entry Size" in table, then 2 inch minimum applies.

Band

Omit if not required

K Pre-Coiled Band Included With Backshell

Shrink Boot

Omit if not required

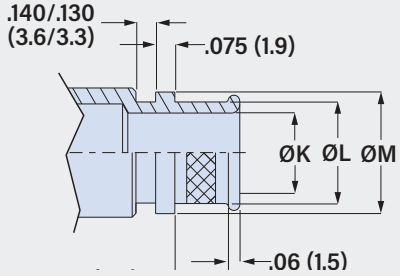
T Shrink Boot Included With Backshell

Connector Manufacturer Code

A Universal

Compatible with all manufacturers. Includes additional thread adapter(s) as necessary to fit multiple manufacturers. See following page for thread adapter details.

TABLE 1: ENTRY SIZE



Entry Size	øK ± .015 (0.4) in	øK ± .015 (0.4) mm	øL ± .015 (0.4) in	øL ± .015 (0.4) mm	øM ± .015 (0.4) in	øM ± .015 (0.4) mm
01	.125	3.2	.250	6.4	.312	7.9
31	.188	4.8	.312	7.9	.375	9.5
02	.250	6.4	.375	9.5	.438	11.1
32	.312	7.9	.438	11.1	.500	12.7
03	.375	9.5	.500	12.7	.562	14.3
33	.438	11.1	.562	14.3	.625	15.9
04	.500	12.7	.625	15.9	.687	17.4
34	.562	14.3	.688	17.5	.750	19.1
05	.625	15.9	.750	19.1	.812	20.6
35	.688	17.5	.812	20.6	.875	22.2
06	.750	19.1	.875	22.2	.938	23.8
36	.812	20.6	.938	23.8	1.000	25.4

Entry Size	øK ± .015 (0.4) in	øK ± .015 (0.4) mm	øL ± .015 (0.4) in	øL ± .015 (0.4) mm	øM ± .015 (0.4) in	øM ± .015 (0.4) mm
07	.875	22.2	1.000	25.4	1.062	27.0
37	.938	23.8	1.062	27.0	1.125	28.6
08	1.000	25.4	1.125	28.6	1.188	30.2
38	1.062	27.0	1.188	30.2	1.250	31.8
09	1.125	28.6	1.250	31.8	1.312	33.3
10	1.250	31.8	1.375	34.9	1.438	36.5
11	1.375	34.9	1.500	38.1	1.562	39.7
12	1.500	38.1	1.625	41.3	1.688	42.9
13	1.625	41.3	1.750	44.5	1.812	46.0
14	1.750	44.5	1.875	47.6	1.938	49.2
15	1.875	47.6	2.000	50.8	2.062	52.4
16	2.000	50.8	2.125	54.0	2.188	55.6

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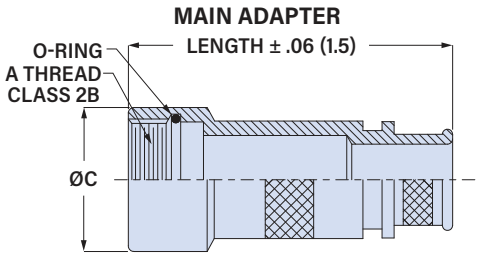
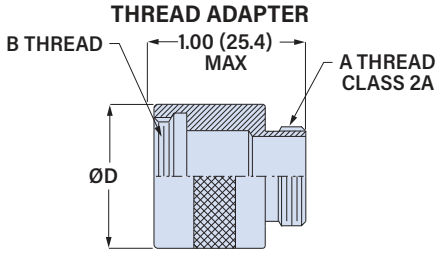
Series 44 Banding Backshells

for AS50151 Solder Connectors

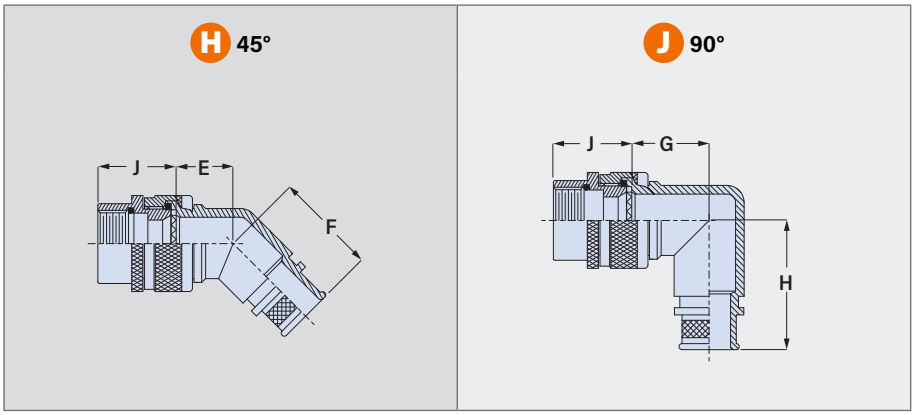
440B*031 Banding Backshell, Shrink Boot, Direct Coupling





Shell Size Code	Shell Size	A Main Backshell Class 2B	B Thread Adapter Class 2B	øC Max in	øC Max mm	øD Max in	øD Max mm	Max. Entry Size (1)
05	10S	0.5000-28 UNEF	0.5625-24 UNEF	.724	18.4	.687	17.4	03
08	10SL	0.5625-24 UNEF	0.6250-24 UNEF	.724	18.4	.687	17.4	33
11	12, 12S	0.6250-24 UNEF	0.6875-24 UNEF	.848	21.5	.812	20.6	33
14	14, 14S	0.7500-20 UNEF	N/A	.974	24.7	N/A	N/A	05
15	16, 16S	0.8750-20 UNEF	N/A	1.102	28.0	N/A	N/A	35
16	18	1.0000-20 UNEF	N/A	1.220	31.0	N/A	N/A	07
17	20	1.1250-18 UNEF	1.1250-24 UNS	1.343	34.1	1.312	33.3	37
20	22	1.2500-18 UNEF	N/A	1.343	34.1	N/A	N/A	09
21	24	1.3750-18 UNEF	N/A	1.600	37.3	N/A	N/A	10
22	28	1.6250-18 UNEF	N/A	1.850	40.5	N/A	N/A	11
23	32	1.8750-16 UN	1.90625-18 UNS	2.125	54.0	2.062	52.4	13
26	36	2.1250-16 UN	2.0625-16 UNS 2.0625-20 UNEF 2.1250-18 UNS	2.375	60.3	2.312	58.7	14
31	40	2.3750-16 UN	2.3125-16 UNS	2.625	66.7	2.562	65.1	16

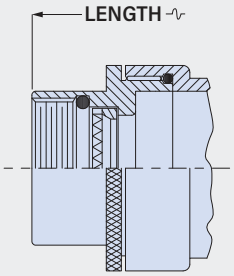
1) *"Max. Entry Size" applies only to straight profile backshells. If the selected entry size is larger than the size shown in the table above, a Style 2 adapter will be included. The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).*



Entry Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
01	.625	15.9	.940	23.9	.732	18.6	1.078	27.4
02, 31	.625	15.9	.940	23.9	.732	18.6	1.078	27.4
03, 32	.688	17.5	1.000	25.4	.757	19.2	1.108	28.1
04, 33	.711	18.1	1.050	26.7	.781	19.8	1.128	28.7
05, 34	.781	19.8	1.150	29.2	.825	21.0	1.178	29.9
06, 35	.841	21.4	1.188	30.2	.896	22.8	1.190	30.2
07, 36	.866	22.0	1.208	30.7	1.093	27.8	1.250	31.8
08, 37	.893	22.7	1.248	31.7	1.250	31.8	1.320	33.5
09, 38	.916	23.3	1.278	32.5	1.312	33.3	1.380	35.1
10	1.134	28.8	1.448	36.8	1.375	34.9	1.500	38.1
11	1.134	28.8	1.448	36.8	1.375	34.9	1.500	38.1
12	1.185	30.1	1.488	37.8	1.687	42.8	1.620	41.1
13	1.185	30.1	1.488	37.8	1.687	42.8	1.620	41.1
14	1.225	31.1	1.538	39.1	1.812	46.0	1.750	44.5
15	1.225	31.1	1.538	39.1	1.812	46.0	1.750	44.5
16	1.225	31.1	1.788	45.4	1.812	46.0	2.000	50.8

Shell Size Code	Shell Size	J Max in	J Max mm
05	10S	1.25	31.8
08	10SL	1.25	31.8
11	12, 12S	1.25	31.8
14	14, 14S	1.25	31.8
15	16, 16S	1.56	39.6
16	18	1.56	39.6
17	20	1.56	39.6
20	22	1.56	39.6
21	24	1.56	39.6
22	28	1.56	39.6
23	32	1.75	44.5
26	36	1.75	44.5
31	40	2.19	55.6

STYLE 2 BACKSHELL



Applies to Profile S only. If the selected entry size is larger than the size shown in the table above, a ***Style 2*** adapter will be included. ***The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).***

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Band
601-041

Banding Tool
601-100

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Series 44 Banding Backshells

for MIL-DTL-26482 Series I Connectors

440D*031 Banding Backshell, Shrink Boot, Direct Coupling

Adapter Code D

This accessory fits MIL-DTL-26482 Series I connectors

Banding. Direct coupling. 440D*031 banding backshell fits M26482 Series I connectors. Direct coupling. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Available in aluminum or stainless steel. Silicone O-rings.

PART NUMBER

	440DS031	NF	08	03-	4	K	T

Base P/N

Base Part No.	Profile
440DS031	S Straight
440DH031	H 45°
440DJ031	J 90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size: 08 10 12 14 16 18 20 22 24

Entry Size: *See Table 1*

Length

3	1.5 inches
4	2.0 inches
6	3.0 inches
8	4.0 inches

Applies to Profile S only. 1.5 inch minimum. If Entry Size is greater than "Max. Entry Size" in table, then 2 inch minimum applies.

Band

Omit if not required

K Pre-Coiled Band Included With Backshell

Shrink Boot

Omit if not required

T Shrink Boot Included With Backshell

PROFILE SELECTION GUIDE

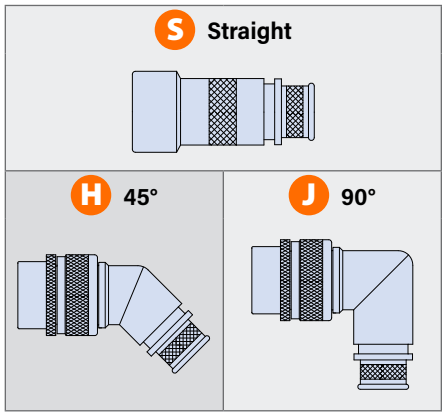
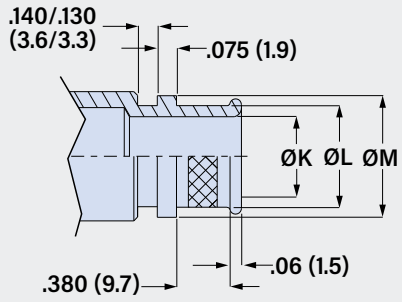


TABLE 1: ENTRY SIZE



Entry Size	Shell Sizes	øK ± .015 (0.4) in	øK mm	øL ± .030 (0.8) in	øL mm	øM ± .015 (0.4) in	øM mm
01	08-24	.125	3.2	.250	6.4	.312	7.9
31	08-24	.188	4.8	.312	7.9	.375	9.5
02	08-24	.250	6.4	.375	9.5	.438	11.1
32	10-24	.312	7.9	.438	11.1	.500	12.7
03	10-24	.375	9.5	.500	12.7	.562	14.3
33	12-24	.438	11.1	.562	14.3	.625	15.9
04	12-24	.500	12.7	.625	15.9	.687	17.4
34	14-24	.562	14.3	.688	17.5	.750	19.1
05	14-24	.625	15.9	.750	19.1	.812	20.6
35	16-24	.688	17.5	.812	20.6	.875	22.2
06	16-24	.750	19.1	.875	22.2	.938	23.8
36	18-24	.812	20.6	.938	23.8	1.000	25.4

Entry Size	Shell Sizes	øK ± .015 (0.4) in	øK mm	øL ± .030 (0.8) in	øL mm	øM ± .015 (0.4) in	øM mm
07	18-24	.875	22.2	1.000	25.4	1.062	27.0
37	20-24	.938	23.8	1.062	27.0	1.125	28.6
08	20-24	1.000	25.4	1.125	28.6	1.188	30.2
38	22-24	1.062	27.0	1.188	30.2	1.250	31.8
09	22-24	1.125	28.6	1.250	31.8	1.312	33.3
10	24	1.250	31.8	1.375	34.9	1.438	36.5
11	-	1.375	34.9	1.500	38.1	1.562	39.7
12	-	1.500	38.1	1.625	41.3	1.688	42.9
13	-	1.625	41.3	1.750	44.5	1.812	46.0
14	-	1.750	44.5	1.875	47.6	1.938	49.2
15	-	1.875	47.6	2.000	50.8	2.062	52.4
16	-	2.000	50.8	2.125	54.0	2.188	55.6

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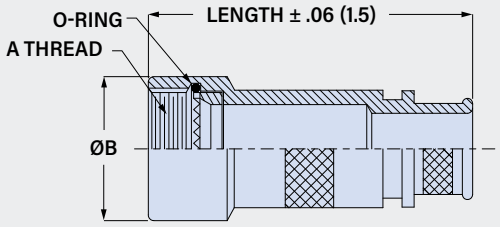
Series 44 Banding Backshells

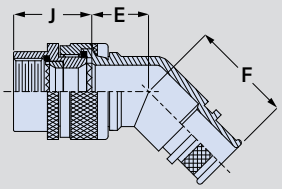
for MIL-DTL-26482 Series I Connectors

440D*031 Banding Backshell, Shrink Boot, Direct Coupling

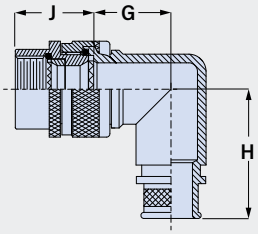
S Straight



H 45°



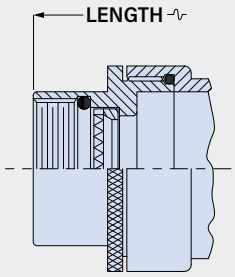
J 90°



Shell Size	A Thread UNEF-2B	øB Max. in	øB Max. mm	J Max. in	J Max. mm	Max. Entry Size (1)
08	0.4375-28	.59	15.0	1.25	31.8	02
10	0.5625-24	.72	18.3	1.25	31.8	03
12	0.6875-24	.84	21.3	1.25	31.8	04
14	0.8125-20	.97	24.6	1.25	31.8	05
16	0.9375-20	1.09	27.7	1.56	39.6	06
18	1.0625-18	1.22	31.0	1.56	39.6	07
20	1.1875-18	1.34	34.0	1.56	39.6	08
22	1.3125-18	1.47	37.3	1.56	39.6	09
24	1.4375-18	1.59	40.4	1.56	39.6	10

Entry Size	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm
01	.625	15.9	.940	23.9	.732	18.6	1.078	27.4
02, 31	.625	15.9	.940	23.9	.732	18.6	1.078	27.4
03, 32	.688	17.5	1.000	25.4	.757	19.2	1.108	28.1
04, 33	.711	18.1	1.050	26.7	.781	19.8	1.128	28.7
05, 34	.781	19.8	1.150	29.2	.825	21.0	1.178	29.9
06, 35	.841	21.4	1.188	30.2	.896	22.8	1.190	30.2
07, 36	.866	22.0	1.208	30.7	1.093	27.8	1.250	31.8
08, 37	.893	22.7	1.248	31.7	1.250	31.8	1.320	33.5
09, 38	.916	23.3	1.278	32.5	1.312	33.3	1.380	35.1
10	1.134	28.8	1.448	36.8	1.375	34.9	1.500	38.1
11	1.134	28.8	1.448	36.8	1.375	34.9	1.500	38.1
12	1.185	30.1	1.488	37.8	1.687	42.8	1.620	41.1
13	1.185	30.1	1.488	37.8	1.687	42.8	1.620	41.1
14	1.225	31.1	1.538	39.1	1.812	46.0	1.750	44.5
15	1.225	31.1	1.538	39.1	1.812	46.0	1.750	44.5
16	1.225	31.1	1.788	45.4	1.812	46.0	2.000	50.8

STYLE 2 BACKSHELL



"**Max. Entry Size**" applies only to straight profile backshells. If the selected entry size is larger than the size shown in the table above, a ***Style 2*** adapter will be included. ***The minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).***

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Band
601-041

Banding Tool
601-100

SHRINK BOOT

Optional heatshrink boot provides environmental protection and cable strain relief. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Operating temperature range -75 to +150 °C.

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Series 44 Banding Backshells

for MIL-DTL-26482 Series I Connectors

447DS523 Banding/ Overmolding Adapter

Low Profile. Micro Band. Environmental. 447DS523 banding/overmolding adapter fits MIL-DTL-26482 Series I connectors. Terminate cable braid shield to adapter with .120" width micro band (sold separately). Aluminum or stainless steel, silicone O-ring.

Adapter Code D

This accessory fits MIL-DTL-26482 Series I connectors

BANDING STRAP INFORMATION

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

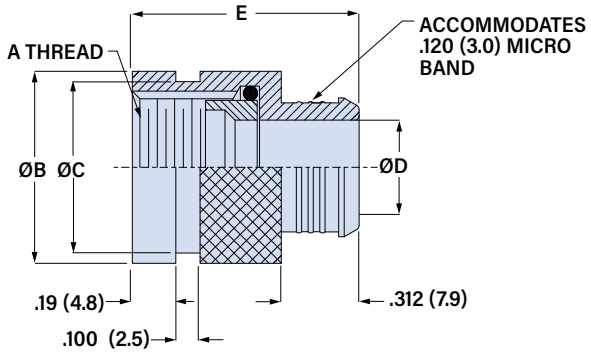
Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max. Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

PART NUMBER

	447DS523	M	18
Base P/N	447DS523		
Material/Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc Z1 SST/ Passivated		
Shell Size	08 10 12 14 16 18 20 22 24		



Shell Size	A Thread UNEF-2B	øB ± .015 (0.4) in	øB mm	øC ±.005 (0.13) in	øC mm	øD ± .015 (0.4) in	øD mm	E ± .015 (0.4) in	E mm
08	0.4375-28	.562	14.3	.500	12.7	.250	6.4	.94	23.9
10	0.5625-24	.688	17.5	.625	15.9	.375	9.5	.94	23.9
12	0.6875-24	.812	20.6	.750	19.1	.500	12.7	.94	23.9
14	0.8125-20	.938	23.8	.875	22.2	.625	15.9	.94	23.9
16	0.9375-20	1.062	27.0	1.000	25.4	.750	19.1	.94	23.9
18	1.0625-18	1.188	30.2	1.125	28.6	.875	22.2	.94	23.9
20	1.1875-18	1.312	33.3	1.250	31.8	1.000	25.4	.94	23.9
22	1.3125-18	1.438	36.5	1.375	34.9	1.125	28.6	.94	23.9
24	1.4375-18	1.562	39.7	1.500	38.1	1.250	31.8	.94	23.9

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Series 44 Banding Backshells

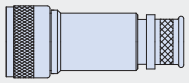
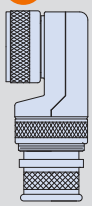
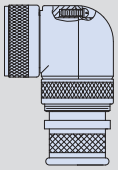
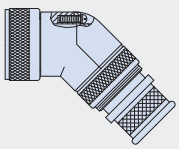
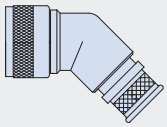
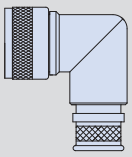
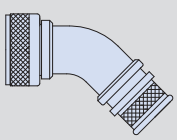
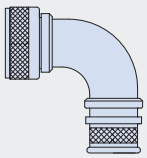
for MIL-DTL-38999 Series I and II Connectors

440F*030 Banding Backshell, Shrink Boot

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

PROFILE SELECTION GUIDE

S Straight 	C 90°  Low Profile Split
D 90°  Split	F 45°  Split
H 45°  Cut and Weld	J 90°  Cut and Weld
M 45°  Full Radius	N 90°  Full Radius

Spin coupling. Band-Master ATS® shield termination. 440F*030 banding backshell fits MIL-DTL-38999 Series I and II connectors. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum or stainless steel, silicone O-ring (not supplied on split profiles C, D and F).

PART NUMBER

440FS030	NF	16	06-	4	K	P	T

Base P/N

Base Part No.		Profile
440FS030	S	Straight
440FC030	C	90° Split Low Prof.
440FD030	D	90° Split
440FF030	F	45° Split
440FH030	H	45° Cut/Weld
440FJ030	J	90° Cut/Weld
440FM030	M	45° Full Radius
440FN030	N	90° Full Radius

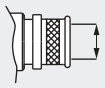
Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size



Size	Inside Dia.	Shell Sizes	Size	Inside Dia.	Shell Sizes
01	.125 (3.2)	08-24	07	.875 (22.2)	18-24
31	.188 (4.8)	08-24	37	.938 (23.8)	20-24
02	.250 (6.4)	08-24	08	1.000 (25.4)	20-24
32	.312 (7.9)	10-24	38	1.062 (27.0)	22-24
03	.375 (9.5)	10-24	09	1.125 (28.6)	22-24
33	.438 (11.1)	12-24	10	1.250 (31.8)	24
04	.500 (12.7)	12-24	11	1.375 (34.9)	-
34	.562 (14.3)	14-24	12	1.500 (38.1)	-
05	.625 (15.9)	14-24	13	1.625 (41.3)	-
35	.688 (17.5)	16-24	14	1.750 (44.5)	-
06	.750 (19.1)	16-24	15	1.875 (47.6)	-
36	.812 (20.6)	18-24	16	2.000 (50.8)	-

** If selected entry size exceeds shell size range, a Style 2 transition adapter will be included.See Maximum Entry Size for details. ⚠ Profile C entry size cannot exceed shell size range listed in table.*

Length

3	1.5 inches
4	2.0 inches
5	2.5 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.

Band

Omit if not required
K Pre-Coiled Band Included With Backshell

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.
P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

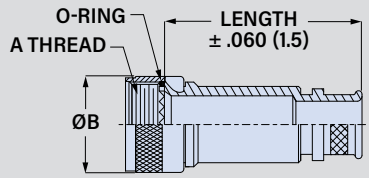
Omit if not required
T Shrink Boot Included With Backshell
T1 Adhesive-lined Shrink Boot Included With Backshell

Series 44 Banding Backshells

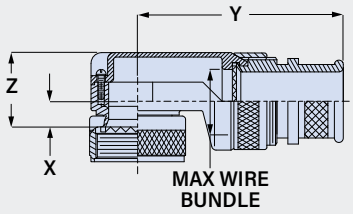
for MIL-DTL-38999 Series I and II Connectors

440F*030 Banding Backshell, Shrink Boot

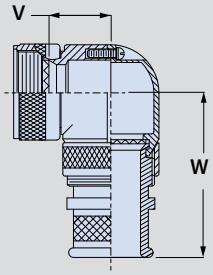
Profile S
Straight



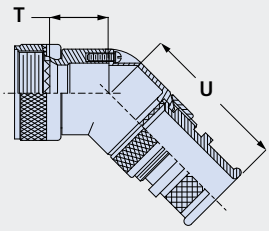
Profile C
Low Profile Split 90°



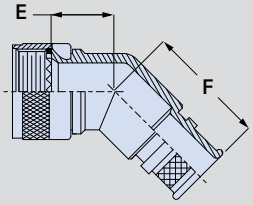
Profile D
Split 90°



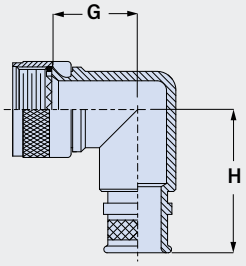
Profile F
Split 45°



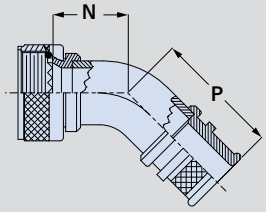
Profile H
Cut/Weld 45°



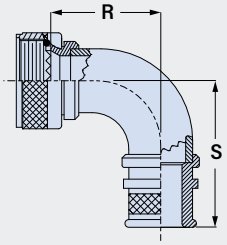
Profile J
Cut/Weld 90°



Profile M
Full Radius 45°



Profile N
Full Radius 90°



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	N Max. in	N Max. mm	P Max. in	P Max. mm	R Max. in	R Max. mm	S Max. in	S Max. mm
8/9	0.4375-28	.650	16.5	.531	13.5	.94	23.9	.639	16.2	1.110	28.2	.812	20.6	1.017	25.8	1.125	28.6	1.335	33.9
10/11	0.5625-24	.770	19.6	.594	15.1	1.00	25.4	.664	16.9	1.140	29.0	.875	22.2	1.071	27.2	1.250	31.8	1.460	37.1
12/13	0.6875-24	.890	22.6	.618	15.7	1.05	26.7	.688	17.5	1.160	29.5	.938	23.8	1.121	28.5	1.375	34.9	1.585	40.3
14/15	0.8125-20	1.020	25.9	.656	16.7	1.09	27.7	.705	17.9	1.190	30.2	1.000	25.4	1.175	29.8	1.500	38.1	1.710	43.4
16/17	0.9375-20	1.150	29.2	.688	17.5	1.15	29.2	.732	18.6	1.210	30.7	1.062	27.0	1.224	31.1	1.625	41.3	1.835	46.6
18/19	1.0625-18	1.230	31.2	.748	19.0	1.19	30.2	.803	20.4	1.221	31.0	1.094	27.8	1.274	32.4	1.750	44.5	1.960	49.8
20/21	1.1875-18	1.360	34.5	.773	19.6	1.25	31.8	1.031	26.2	1.281	32.5	1.156	29.4	1.328	33.7	1.875	47.6	2.085	53.0
22/23	1.3125-18	1.480	37.6	.800	20.3	1.32	33.5	1.156	29.4	1.351	34.3	1.188	30.2	1.382	35.1	2.000	50.8	2.210	56.1
24/25	1.4375-18	1.730	43.9	.823	20.9	1.38	35.1	1.219	31.0	1.410	35.8	1.250	31.8	1.431	36.3	2.125	54.0	2.335	59.3

Shell Size	T Max. in	T Max. mm	U Max. in	U Max. mm	V Max. in	V Max. mm	W Max. in	W Max. mm	X Max. in	X Max. mm	Y Max. in	Y Max. mm	Z Max. in	Z Max. mm	Profile C Max. Wire Bundle in	Profile C Max. Wire Bundle mm
8/9	.44	11.2	1.635	41.5	.68	17.3	1.575	40.0	.34	8.6	1.915	48.6	.681	17.3	.250	6.4
10/11	.50	12.7	1.695	43.1	.75	19.1	1.635	41.5	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
12/13	.56	14.2	1.765	44.8	.81	20.6	1.705	43.3	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
14/15	.62	15.7	1.795	45.6	.87	22.1	1.735	44.1	.28	7.1	2.145	54.5	.831	21.1	.500	12.7
16/17	.68	17.3	1.895	48.1	.93	23.6	1.835	46.6	.42	10.7	2.195	55.8	.981	24.9	.625	15.9
18/19	.75	19.1	1.955	49.7	1.00	25.4	1.895	48.1	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
20/21	.82	20.8	2.015	51.2	1.06	26.9	1.955	49.7	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
22/23	.88	22.4	2.075	52.7	1.12	28.4	2.015	51.2	.61	15.5	2.375	60.3	1.311	33.3	.875	22.2
24/25	.94	23.9	2.135	54.2	1.18	30.0	2.075	52.7	.68	17.3	2.500	63.5	1.431	36.3	1.000	25.4

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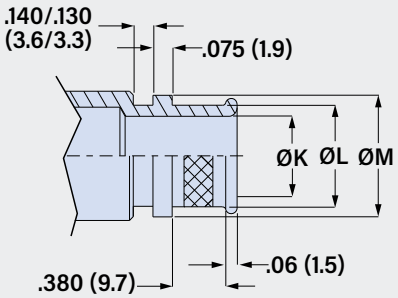
Dimensions in Inches (millimeters) are subject to change without notice.

Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

440F*030 Banding Backshell, Shrink Boot

ENTRY SIZE



Entry Size	Shell Sizes	øK ±.015 (0.4) in	øK mm	øL ±.015 (0.4) in	øL mm	øM ±.015 (0.4) in	øM mm
01	08-24	.125	3.2	.250	6.4	.312	7.9
31	08-24	.188	4.8	.312	7.9	.375	9.5
02	08-24	.250	6.4	.375	9.5	.438	11.1
32	10-24	.312	7.9	.438	11.1	.500	12.7
03	10-24	.375	9.5	.500	12.7	.562	14.3
33	12-24	.438	11.1	.562	14.3	.625	15.9
04	12-24	.500	12.7	.625	15.9	.687	17.4
34	14-24	.562	14.3	.688	17.5	.750	19.1
05	14-24	.625	15.9	.750	19.1	.812	20.6
35	16-24	.688	17.5	.812	20.6	.875	22.2
06	16-24	.750	19.1	.875	22.2	.938	23.8
36	18-24	.812	20.6	.938	23.8	1.000	25.4

Entry Size	Shell Sizes	øK ±.015(0.4) in	øK mm	øL ±.015(0.4) in	øL mm	øM ±.015(0.4) in	øM mm
07	18-24	.875	22.2	1.000	25.4	1.062	27.0
37	20-24	.938	23.8	1.062	27.0	1.125	28.6
08	20-24	1.000	25.4	1.125	28.6	1.188	30.2
38	22-24	1.062	27.0	1.188	30.2	1.250	31.8
09	22-24	1.125	28.6	1.250	31.8	1.312	33.3
10	24	1.250	31.8	1.375	34.9	1.438	36.5
11	-	1.375	34.9	1.500	38.1	1.562	39.7
12	-	1.500	38.1	1.625	41.3	1.688	42.9
13	-	1.625	41.3	1.750	44.5	1.812	46.0
14	-	1.750	44.5	1.875	47.6	1.938	49.2
15	-	1.875	47.6	2.000	50.8	2.062	52.4
16	-	2.000	50.8	2.125	54.0	2.188	55.6

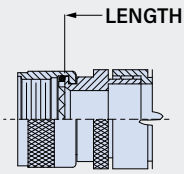
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

⚠ *Profile G backshells are not available with entry sizes larger than shown in table.*

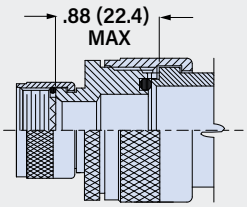
Shell Size	Max. Entry Size
8/9	02
10/11	03
12/13	04
14/15	05
16/17	06
18/19	07
20/21	08
22/23	09
24/25	10

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inches.

SHRINK BOOT

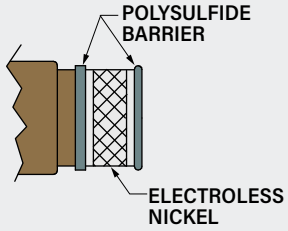
Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Available with W1 hot melt adhesive pre-coat. Operating temperature range -75 to +150 °C (no adhesive), -55 to +125 °C (with W1 adhesive).

Entry Sizes	Shrink Boot P/N	Adhesive Lined Shrink Boot P/N
01-31	770-003S111	770-003S111W1
02-32	770-003S112	770-003S112W1
03	770-001S103	770-001S103W1
33-35	770-001S104	770-001S104W1
06-37	770-001S105	770-001S105W1
08-38	770-001S106	770-001S106W1
09-12	770-001S107	770-001S107W1
13-14	770-001S108	770-001S108W1
15-16	770-001S109	770-001S109W1

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

Band
601-041

Banding Tool
601-100

Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

440F*069 Banding Backshell, Shrink Boot, Self-Locking

Self-Locking

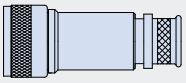
Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

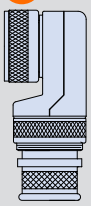
Self-Locking. Band-Master ATS® shield termination. 440F*069 banding backshell fits MIL-DTL-38999 Series I and II connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring. Silicone O-ring (not supplied on split profiles C, D and F).

PROFILE SELECTION GUIDE

S Straight

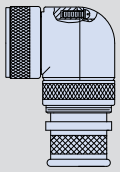


C 90°



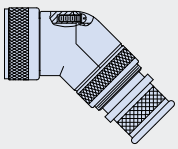
Low Profile Split

D 90°



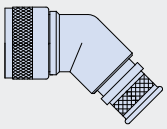
Split

F 45°



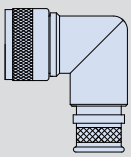
Split

H 45°



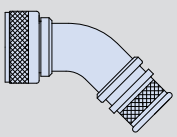
Cut and Weld

J 90°



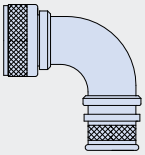
Cut and Weld

M 45°



Full Radius

N 90°



Full Radius

PART NUMBER

	440FS069	Z1	18	06	-4	K	P	T

Base P/N

Base Part No.	Profile	
440FS069	S	Straight
440FC069	C	90° Split Low Prof.
440FD069	D	90° Split
440FF069	F	45° Split
440FH069	H	45° Cut/Weld
440FJ069	J	90° Cut/Weld
440FM069	M	45° Full Radius
440FN069	N	90° Full Radius

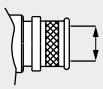
Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size



Size	Inside Dia.	Shell Sizes*	Size	Inside Dia.	Shell Sizes*
01	.125 (3.2)	08-24	07	.875 (22.2)	18-24
31	.188 (4.8)	08-24	37	.938 (23.8)	20-24
02	.250 (6.4)	08-24	08	1.000 (25.4)	20-24
32	.312 (7.9)	10-24	38	1.062 (27.0)	22-24
03	.375 (9.5)	10-24	09	1.125 (28.6)	22-24
33	.438 (11.1)	12-24	10	1.250 (31.8)	24
04	.500 (12.7)	12-24	11	1.375 (34.9)	-
34	.562 (14.3)	14-24	12	1.500 (38.1)	-
05	.625 (15.9)	14-24	13	1.625 (41.3)	-
35	.688 (17.5)	16-24	14	1.750 (44.5)	-
06	.750 (19.1)	16-24	15	1.875 (47.6)	-
36	.812 (20.6)	18-24	16	2.000 (50.8)	-

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included. See **Maximum Entry Size** for details. ⚠ Profile C entry size cannot exceed shell size range listed in table.*

Length

3	1.5 inches	*Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.*
4	2.0 inches	
5	2.5 inches	
6	3.0 inches	

Band

Omit if not required

K	Pre-Coiled Band Included With Backshell

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P	Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T	Shrink Boot Included With Backshell
T1	Adhesive-lined Shrink Boot Included With Backshell

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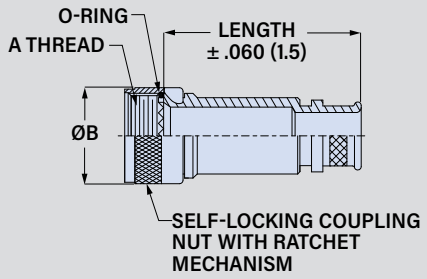
Series 44 Banding Backshells

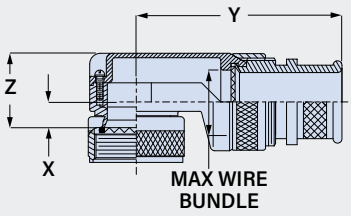
for MIL-DTL-38999 Series I and II Connectors

440F*069 Banding Backshell, Shrink Boot, Self-Locking

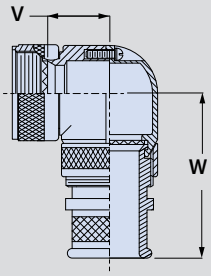
Profile S
Straight



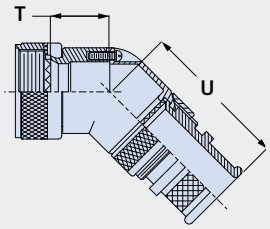
Profile C
Low Profile Split 90°



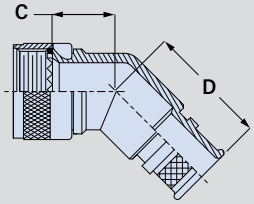
Profile D
Split 90°



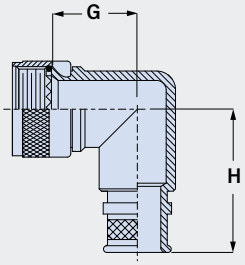
Profile F
Split 45°



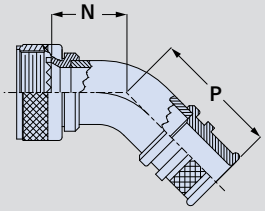
Profile H
Cut/Weld 45°



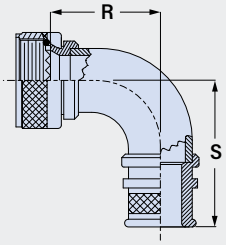
Profile J
Cut/Weld 90°



Profile M
Full Radius 45°



Profile N
Full Radius 90°



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	C Max. in	C Max. mm	D Max. in	D Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	N Max. in	N Max. mm	P Max. in	P Max. mm	R Max. in	R Max. mm	S Max. in	S Max. mm
8/9	0.4375-28	.860	21.8	.806	20.5	1.038	26.4	.906	23.0	1.146	29.1	.968	24.6	1.017	25.8	1.281	32.5	1.335	33.9
10/11	0.5625-24	.970	24.6	.832	21.1	1.064	27.0	.966	24.5	1.210	30.7	1.031	26.2	1.071	27.2	1.406	35.7	1.460	37.1
12/13	0.6875-24	1.110	28.2	.856	21.7	1.088	27.6	1.026	26.0	1.268	32.2	1.094	27.8	1.121	28.5	1.531	38.9	1.585	40.3
14/15	0.8125-20	1.210	30.7	.882	22.4	1.114	28.3	1.076	27.3	1.330	33.8	1.156	29.4	1.175	29.8	1.656	42.1	1.710	43.4
16/17	0.9375-20	1.350	34.3	.908	23.1	1.150	29.2	1.136	28.8	1.392	35.4	1.218	30.9	1.224	31.1	1.781	45.2	1.835	46.6
18/19	1.0625-18	1.460	37.1	.927	23.5	1.190	30.2	1.176	29.9	1.438	36.5	1.250	31.8	1.274	32.4	1.906	48.4	1.960	49.8
20/21	1.1875-18	1.600	40.6	.953	24.2	1.250	31.8	1.236	31.4	1.500	38.1	1.312	33.3	1.328	33.7	2.031	51.6	2.085	53.0
22/23	1.3125-18	1.700	43.2	.979	24.9	1.320	33.5	1.296	32.9	1.562	39.7	1.344	34.1	1.382	35.1	2.156	54.8	2.210	56.1
24/25	1.4375-18	1.840	46.7	1.004	25.5	1.380	35.1	1.356	34.4	1.625	41.3	1.406	35.7	1.431	36.3	2.281	57.9	2.335	59.3

Shell Size	T Max. in	T Max. mm	U Max. in	U Max. mm	V Max. in	V Max. mm	W Max. in	W Max. mm	X Max. in	X Max. mm	Y Max. in	Y Max. mm	Z Max. in	Z Max. mm	Profile C Max. Wire Bundle in	Profile C Max. Wire Bundle mm
8/9	.596	15.1	1.635	41.5	.836	21.2	1.575	40.0	.496	12.6	1.915	48.6	.837	21.3	.250	6.4
10/11	.656	16.7	1.695	43.1	.906	23.0	1.635	41.5	.426	10.8	2.075	52.7	.887	22.5	.375	9.5
12/13	.716	18.2	1.765	44.8	.966	24.5	1.705	43.3	.426	10.8	2.075	52.7	.887	22.5	.375	9.5
14/15	.776	19.7	1.795	45.6	1.026	26.1	1.735	44.1	.436	11.1	2.145	54.5	.987	25.1	.500	12.7
16/17	.836	21.2	1.895	48.1	1.086	27.6	1.835	46.6	.576	14.6	2.195	55.8	1.137	28.9	.625	15.9
18/19	.906	23.0	1.955	49.7	1.156	29.4	1.895	48.1	.796	20.2	2.225	56.5	1.337	34.0	.625	15.9
20/21	.976	24.8	2.015	51.2	1.216	30.9	1.955	49.7	.796	20.2	2.225	56.5	1.337	34.0	.625	15.9
22/23	1.036	26.3	2.075	52.7	1.276	32.4	2.015	51.2	.696	17.7	2.375	60.3	1.337	34.0	.750	19.1
24/25	1.096	27.8	2.135	54.2	1.336	33.9	2.075	52.7	.696	17.7	2.375	60.3	1.337	34.0	.750	19.1

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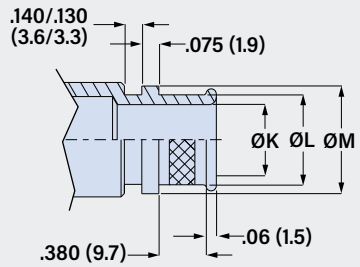
Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

440F*069 Banding Backshell, Shrink Boot, Self-Locking

ENTRY SIZE



Entry Size	Shell Sizes	øK ± .015 (0.4) in	øK mm	øL ± .015 (0.4) in	øL mm	øM ± .015 (0.4) in	øM mm
01	08-24	.125	3.2	.250	6.4	.312	7.9
31	08-24	.188	4.8	.312	7.9	.375	9.5
02	08-24	.250	6.4	.375	9.5	.438	11.1
32	10-24	.312	7.9	.438	11.1	.500	12.7
03	10-24	.375	9.5	.500	12.7	.562	14.3
33	12-24	.438	11.1	.562	14.3	.625	15.9
04	12-24	.500	12.7	.625	15.9	.687	17.4
34	14-24	.562	14.3	.688	17.5	.750	19.1
05	14-24	.625	15.9	.750	19.1	.812	20.6
35	16-24	.688	17.5	.812	20.6	.875	22.2
06	16-24	.750	19.1	.875	22.2	.938	23.8
36	18-24	.812	20.6	.938	23.8	1.000	25.4

Entry Size	Shell Sizes	øK ± .015(0.4) in	øK mm	øL ± .015(0.4) in	øL mm	øM ± .015(0.4) in	øM mm
07	20-24	.875	22.2	1.000	25.4	1.062	27.0
37	20-24	.938	23.8	1.062	27.0	1.125	28.6
08	22-24	1.000	25.4	1.125	28.6	1.188	30.2
38	22-24	1.062	27.0	1.188	30.2	1.250	31.8
09	24	1.125	28.6	1.250	31.8	1.312	33.3
10	-	1.250	31.8	1.375	34.9	1.438	36.5
11	-	1.375	34.9	1.500	38.1	1.562	39.7
12	-	1.500	38.1	1.625	41.3	1.688	42.9
13	-	1.625	41.3	1.750	44.5	1.812	46.0
14	-	1.750	44.5	1.875	47.6	1.938	49.2
15	-	1.875	47.6	2.000	50.8	2.062	52.4
16	-	2.000	50.8	2.125	54.0	2.188	55.6

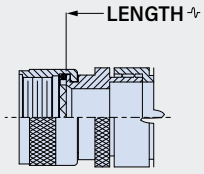
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

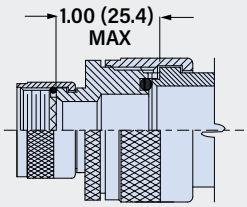
Shell Size	Max. Entry Size
8/9	02
10/11	03
12/13	04
14/15	05
16/17	06
18/19	07
20/21	08
22/23	09
24/25	10

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by one inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Available with W1 hot melt adhesive pre-coat. Operating temperature range -75 to +150 °C (no adhesive), -55 to +125 °C (with W1 adhesive).

Entry Sizes	Shrink Boot P/N	Adhesive Lined Shrink Boot P/N
01-31	770-003S111	770-003S111W1
02-32	770-003S112	770-003S112W1
03	770-001S103	770-001S103W1
33-35	770-001S104	770-001S104W1
06-37	770-001S105	770-001S105W1
08-38	770-001S106	770-001S106W1
09-12	770-001S107	770-001S107W1
13-14	770-001S108	770-001S108W1
15-16	770-001S109	770-001S109W1

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

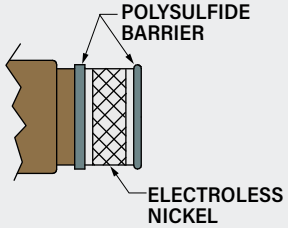
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ ***Plating codes NF, ZR and TZ only***



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Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

440F*072 Banding Backshell, Dual Band

Self-Locking

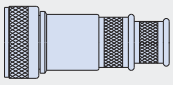
Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

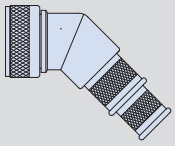
Self-Locking. Two banding platforms. 440F*072 banding backshell fits MIL-DTL-38999 Series I and II connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Second banding platform is typically used for attaching fabric overbraid. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

PROFILE SELECTION GUIDE

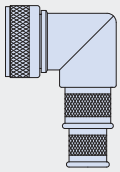
S Straight



H 45°



J 90°



PART NUMBER

	440FS072	Z1	18	06	-4	K	P

Base P/N

Base Part No.		Profile
440FS072	S	Straight
440FH072	H	45°
440FJ072	J	90°

Material/Finish

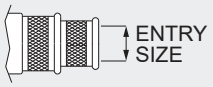
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size									
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

See Table 1



Length

3	1.5 inches
4	2.0 inches
5	2.5 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.

Band

Omit if not required

K Pre-Coiled Bands Included With Backshell (qty. 2)

Polysulfide

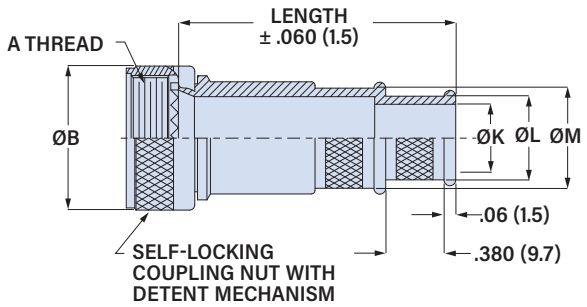
Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	øK ± .015 (0.4) in	øK mm	øL ± .015 (0.4) in	øL mm	øM ± .015 (0.4) in	øM mm
02	08-24	.125	3.2	.250	6.4	.312	7.9
03	08-24	.188	4.8	.312	7.9	.375	9.5
04	08-24	.250	6.4	.375	9.5	.438	11.1
05	10-24	.312	7.9	.438	11.1	.500	12.7
06	10-24	.375	9.5	.500	12.7	.562	14.3
07	12-24	.438	11.1	.562	14.3	.625	15.9
08	12-24	.500	12.7	.625	15.9	.688	17.5
09	14-24	.562	14.3	.688	17.5	.750	19.1
10	14-24	.625	15.9	.750	19.1	.812	20.6
11	16-24	.688	17.5	.812	20.6	.875	22.2
12	16-24	.750	19.1	.875	22.2	.938	23.8
13	18-24	.812	20.6	.938	23.8	1.000	25.4
14	20-24	.875	22.2	1.000	25.4	1.062	27.0
15	20-24	.938	23.8	1.062	27.0	1.125	28.6
16	22-24	1.000	25.4	1.125	28.6	1.188	30.2
17	22-24	1.062	27.0	1.188	30.2	1.250	31.8
18	24	1.125	28.6	1.250	31.8	1.312	33.3
20	-	1.250	31.8	1.375	34.9	1.438	36.5
22	-	1.375	34.9	1.500	38.1	1.562	39.7
24	-	1.500	38.1	1.625	41.3	1.688	42.9

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm
8/9	0.4375-28	.860	21.8
10/11	0.5625-24	.970	24.6
12/13	0.6875-24	1.110	28.2
14/15	0.8125-20	1.210	30.7
16/17	0.9375-20	1.350	34.3
18/19	1.0625-18	1.460	37.1
20/21	1.1875-18	1.600	40.6
22/23	1.3125-18	1.700	43.2
24/25	1.4375-18	1.840	46.7

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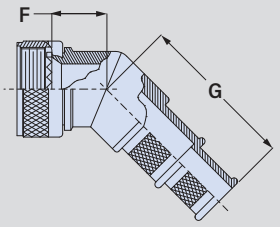
Rev. 04.8.22

Series 44 Banding Backshells

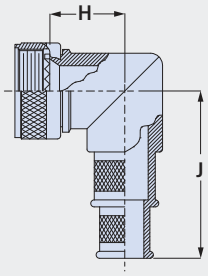
for MIL-DTL-38999 Series I and II Connectors

440F*072 Banding Backshell, Dual Band

Profile H
Cut/Weld 45°



Profile J
Cut/Weld 90°



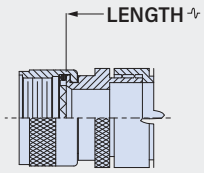
Shell Size	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm
8/9	.795	20.2	1.328	33.7	.906	23.0	1.438	36.5
10/11	.820	20.8	1.358	34.5	.966	24.5	1.498	38.0
12/13	.844	21.4	1.378	35.0	1.026	26.1	1.558	39.6
14/15	.861	21.9	1.408	35.8	1.076	27.3	1.628	41.4
16/17	.888	22.6	1.428	36.3	1.136	28.9	1.688	42.9
18/19	.904	23.0	1.438	36.5	1.176	29.9	1.708	43.4
20/21	.929	23.6	1.458	37.0	1.236	31.4	1.768	44.9
22/23	.956	24.3	1.498	38.0	1.296	32.9	1.848	46.9
24/25	.979	24.9	1.528	38.8	1.356	34.4	1.918	48.7

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

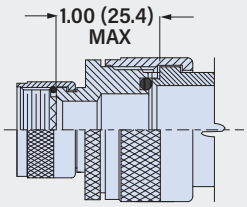
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
8/9	04	18/19	13
10/11	06	20/21	15
12/13	08	22/23	17
14/15	10	24/25	18
16/17	12		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by one inch.

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

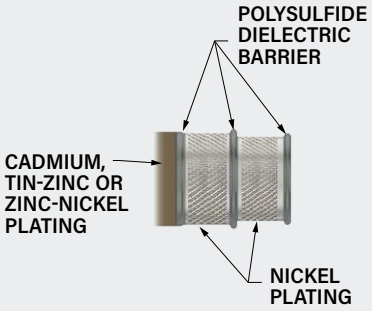
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective nickel plating on banding surfaces prevents galvanic mismatch between nickel-coated braid shield and backshell plating. Polysulfide stripes provide dielectric barriers.

⚠ *Plating codes NF, ZR and TZ only*



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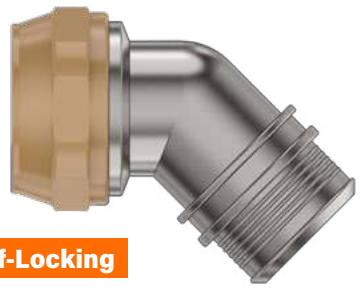
Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

447F*325 Banding Backshell, Composite, Shrink Boot



Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Composite. Banding. Self-locking. 447F*325 banding backshell fits MIL-DTL-38999 Series I and II connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Glass-reinforced thermoplastic.

TABLE 1: ENTRY SIZE

Entry Size	Cable Entry ±.03(0.8) in	Cable Entry ±.03(0.8) mm	Shell Sizes	Entry Size	Cable Entry ±.03(0.8) in	Cable Entry ±.03(0.8) mm	Shell Sizes
03	.19	4.8	08-24	12	.75	19.1	16-24
04	.25	6.4	08-24	13	.81	20.6	18-24
05	.31	7.9	10-24	14	.88	22.4	20-24
06	.38	9.7	10-24	15	.94	23.9	20-24
07	.44	11.2	12-24	16	1.00	25.4	22-24
08	.50	12.7	12-24	17	1.06	26.9	22-24
09	.56	14.2	14-24	18	1.13	28.7	24
10	.63	16.0	14-24	19	1.19	30.2	24
11	.69	17.5	16-24				

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Std. Band
601-041

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.

PART NUMBER

	447FS325	XM	16	12	D	K	T	S

Base P/N

Base Part No.		Profile
447FS325	S	Straight
447FT325	T	45°
447FW325	W	90°

Finish

- XM Electroless Nickel
- XMT Nickel-PTFE
- XW Olive Drab Cadmium
- XTZ Tin-Zinc

Coupling nut is unplated.

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

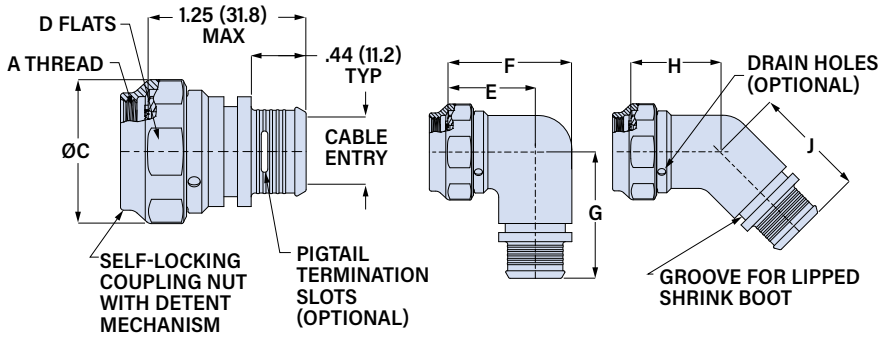
Drain Holes — *Omit if not required*
D Drain Holes

Band — *Omit if not required*
K Pre-Coiled Band Included With Backshell

Shrink Boot — *Omit if not required*
T Shrink Boot Included With Backshell

Slot — *Omit if not required*
S Pigtail Termination Slots

S Straight **W** 90° **T** 45°



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	D Hex Flats in	D Hex Flats mm	E ±.06(1.5) in	E ±.06(1.5) mm	F ±.09(2.3) in	F ±.09(2.3) mm	G ±.09(2.3) in	G ±.09(2.3) mm	H ±.06(1.5) in	H ±.06(1.5) mm	J ±.06(1.5) in	J ±.06(1.5) mm	Max Entry Size
8/9	0.4375-28	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.19	30.2	.72	18.3	1.00	25.4	04
10/11	0.5625-24	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.25	31.8	.75	19.1	1.06	26.9	06
12/13	0.6875-24	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.31	33.3	.75	19.1	1.13	28.7	08
14/15	0.8125-20	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.38	35.1	.76	19.3	1.16	29.5	10
16/17	0.9375-20	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.44	36.6	.78	19.8	1.18	30.0	12
18/19	1.0625-18	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.47	37.3	.79	20.1	1.19	30.2	13
20/21	1.1875-18	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.82	20.8	1.22	31.0	15
22/23	1.3125-18	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.63	41.4	.86	21.8	1.26	32.0	17
24/25	1.4375-18	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.89	22.6	1.29	32.8	19

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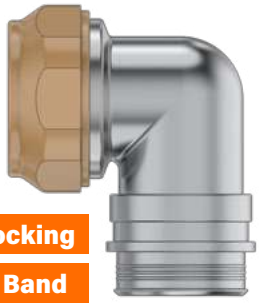
Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

447F*326 Banding Backshell, Composite, Shrink Boot, Micro Band



Self-Locking

Micro Band

Composite. Low profile Micro band. Self-locking. 447F*326 banding backshell fits MIL-DTL-38999 Series I and II connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional micro band strap. Optional shrink boot adds strain relief and environmental protection. Glass-reinforced thermoplastic.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

PART NUMBER

	447FS326	XM	18	10	D	K	T	S

Base P/N

Base Part No.		Profile
447FS326	S	Straight
447FT326	T	45°
447FW326	W	90°

Finish

- **XM** Electroless Nickel
- **XMT** Nickel-PTFE
- **XW** Olive Drab Cadmium
- **XTZ** Tin-Zinc

Coupling nut is unplated.

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

Drain Holes — *Omit if not required*
- **D** Drain Holes

Band — *Omit if not required*
- **K** Pre-Coiled Micro Band Included With Backshell

Shrink Boot — *Omit if not required*
- **T** Shrink Boot Included With Backshell

Slot — *Omit if not required*
- **S** Pigtail Termination Slots

TABLE 1: ENTRY SIZE

Entry Size	Cable Entry ± .03 (0.8) in	Cable Entry ± .03 (0.8) mm	øL ± .015 (0.4) in	øL ± .015 (0.4) mm	øM ± .015 (0.4) in	øM ± .015 (0.4) mm	Shell Sizes
02	.13	3.3	.250	6.4	.386	9.8	08-24
03	.19	4.8	.316	8.0	.452	11.5	08-24
04	.25	6.4	.382	9.7	.510	13.0	08-24
05	.31	7.9	.448	11.4	.584	14.8	10-24
06	.38	9.7	.515	13.1	.651	16.5	10-24
07	.44	11.2	.582	14.8	.718	18.2	12-24
08	.50	12.7	.647	16.4	.783	19.9	12-24
09	.56	14.2	.713	18.1	.849	21.6	14-24
10	.63	16.0	.780	19.8	.873	22.2	14-24
11	.69	17.5	.847	21.5	.983	25.0	16-24
12	.75	19.1	.913	23.2	1.049	26.6	16-24
13	.81	20.6	.979	24.9	1.115	28.3	18-24
14	.88	22.4	1.054	26.8	1.190	30.2	20-24
15	.94	23.9	1.115	28.3	1.251	31.8	20-24
16	1.00	25.4	1.183	30.0	1.319	33.5	22-24
17	1.06	26.9	1.251	31.8	1.387	35.2	22-24
18	1.13	28.7	1.320	33.5	1.456	37.0	24
19	1.19	30.2	1.389	35.3	1.525	38.7	24

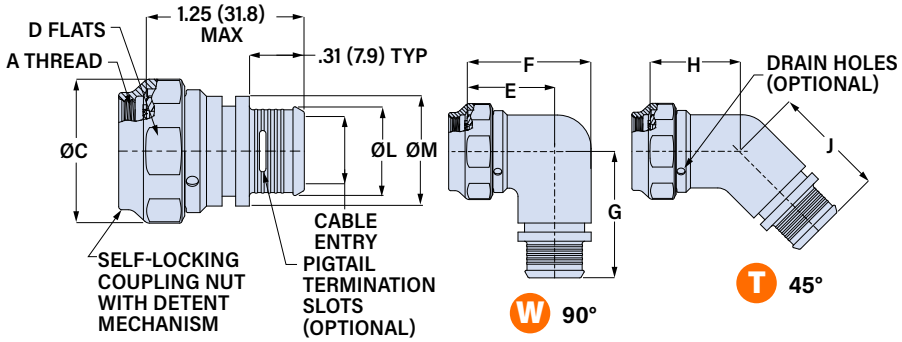
MICRO BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Entry Sizes	Pre-Coiled Band P/N	Length
02 - 08	601-061	8.13 (206)
09 - 19	601-065	14.25 (362)

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	D Hex Flats in	D Hex Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	H ± .06(1.5) in	H ± .06(1.5) mm	J ± .09(2.3) in	J ± .09(2.3) mm	Max Entry Size
8/9	0.4375-28	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	26.9	.72	18.3	.87	22.1	04
10/11	0.5625-24	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	.75	19.1	.93	23.6	06
12/13	0.6875-24	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	.75	19.1	1.00	25.4	08
14/15	0.8125-20	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.25	31.8	.76	19.3	1.03	26.2	10
16/17	0.9375-20	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.31	33.3	.78	19.8	1.05	26.7	12
18/19	1.0625-18	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.38	35.0	.79	20.1	1.06	26.9	13
20/21	1.1875-18	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.48	37.6	.82	20.8	1.09	27.7	15
22/23	1.3125-18	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.54	39.1	.86	21.8	1.13	28.7	17
24/25	1.4375-18	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.60	40.6	.89	22.6	1.16	29.5	19

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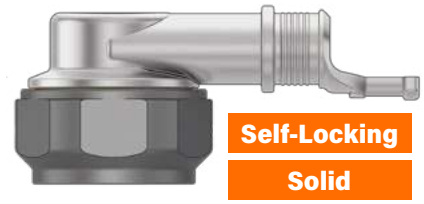
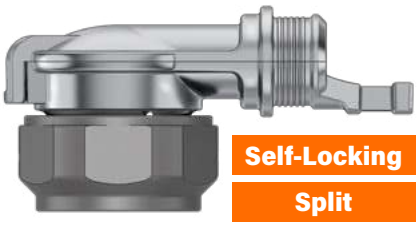
Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

440F*143 Banding Backshell, Composite, Shrink Boot, Ultra Low Profile 90°



Self-Locking
Solid



Self-Locking
Split

Ultra low-profile 90°. Composite. Self-locking. Micro band. Elliptical entry. Qwik-Ty®. 440F*143 banding backshell fits MIL-DTL-38999 Series I and II connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Split version has lid for wiring access. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional micro band strap. Optional shrink boot adds strain relief. Glass-reinforced thermoplastic.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

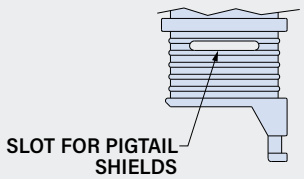
Band P/N	Length
601-060	8.13 (206)

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.

FIGURE 1: SLOTS

Optional pigtail shield termination slots are located on banding platform. Profile E split version has one slot. Profile W solid version has two slots.



PART NUMBER

	44FW143	XM	18	D	B	T	S

Base P/N

Base Part No.		Profile
440FE143	E	90° Split
440FW143	W	90° Solid

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

Coupling nut is unplated, black color.

Shell Size

Shell Size									
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Drain Holes

Omit if not required
D Drain Holes

Band

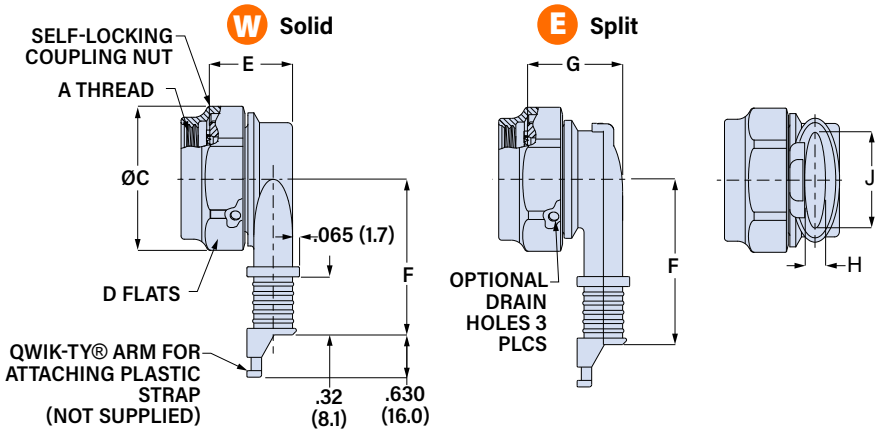
Omit if not required
B Micro Band Included (supplied flat/uncoiled)

Shrink Boot

Omit if not required
T Shrink Boot Included

Slot

Omit if not required. See Figure 1.
S Pigtail Termination Slots



Shell Size	Profile	A Thread UNEF-2B	øC Max in	øC Max mm	D Hex Flats in	D Hex Flats mm	F E Max in	F E Max mm	F ±.03(0.8) in	F ±.03(0.8) mm	G Max in	G Max mm	H ±.06 (1.5) in	H ±.06 (1.5) mm	J ±.09 (2.3) in	J ±.09 (2.3) mm
8/9	E, W	0.4375-28	.86	21.8	.750	19.1	.63	16.0	1.042	26.5	.81	20.6	.160	4.1	.304	7.7
10/11	E, W	0.5625-24	.98	24.9	.875	22.2	.66	16.8	1.107	28.1	.81	20.6	.174	4.4	.432	11.0
12/13	E, W	0.6875-24	1.16	29.5	1.000	25.4	.72	18.3	1.174	29.8	.82	20.8	.195	5.0	.546	13.9
14/15	E, W	0.8125-20	1.28	32.5	1.125	28.6	.83	21.1	1.241	31.5	.88	22.4	.315	8.0	.670	17.0
16/17	E, W	0.9375-20	1.41	35.8	1.250	31.8	.91	23.1	1.305	33.1	.93	23.6	.385	9.8	.796	20.2
18/19	E, W	1.0625-18	1.52	38.6	1.375	34.9	.93	23.6	1.371	34.8	.99	25.1	.445	11.3	.902	22.9
20/21	E, W	1.1875-18	1.64	41.7	1.500	38.1	1.04	26.4	1.438	36.5	1.06	26.9	.525	13.3	1.027	26.1
22/23	E, W	1.3125-18	1.77	45.0	1.625	41.3	1.12	28.4	1.505	38.2	1.13	28.7	.595	15.1	1.152	29.3
24/25	E	1.4375-18	1.89	48.0	1.750	44.5	N/A	N/A	1.850	47.0	1.05	26.7	.450	11.4	1.460	37.1
24/25	W	1.4375-18 UNEF	1.89	48.0	1.75	44.5	1.18	30.0	1.572	39.9	N/A	N/A	.655	16.6	1.276	32.4

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Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

447F*531 Banding Backshell, Shrink Boot, Spanner Nut

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Self-locking. Impact resistant coupling nut. 447F*531 banding backshell fits MIL-DTL-38999 Series I/II connectors. Impact resistant coupling nut has 2.8 mm spanner wrench holes. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Attach shielding and overbraid sleeving to backshell with band strap (not supplied). Shrink boot (not supplied) adds strain relief and environmental protection. Aluminum or stainless steel with thermoplastic anti-decoupling spring and SST retainer ring.

PART NUMBER

	447FS531	Z1	18	10	B	L	-157

Base P/N

Base Part No.	Profile
447FS531	S Straight
447FJ531	J 90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size									
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

Length — *Applies to Profile S only. See Table 2.*
A B C D E

Slot — *Omit if not required. See Figure 1.*
L Slots for Individual Shields

Teflon Coating — *Omit if not required.*
-157 Teflon Coating on Inside Surface

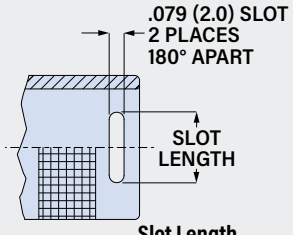
TABLE 1: ENTRY SIZE

Entry Size	øE ± .015 (0.4) in	øE mm	øF ± .015 (0.4) in	øF mm	øG ± .015 (0.4) in	øG mm	Shell Sizes
03	.185	4.7	.303	7.7	.480	12.2	08-14
04	.252	6.4	.370	9.4	.551	14.0	08-16
05	.311	7.9	.433	11.0	.610	15.5	08-20
06	.374	9.5	.496	12.6	.673	17.1	10-22
07	.437	11.1	.555	14.1	.736	18.7	10-24
08	.500	12.7	.618	15.7	.800	20.3	12-24
10	.626	15.9	.744	18.9	.925	23.5	14-24
12	.752	19.1	.866	22.0	1.051	26.7	16-24
14	.874	22.2	.992	25.2	1.173	29.8	20-24
16	1.004	25.5	1.118	28.4	1.300	33.0	22-24
18	1.126	28.6	1.240	31.5	1.425	36.2	24
20	1.252	31.8	1.366	34.7	1.551	39.4	24

TABLE 2: LENGTH CODE

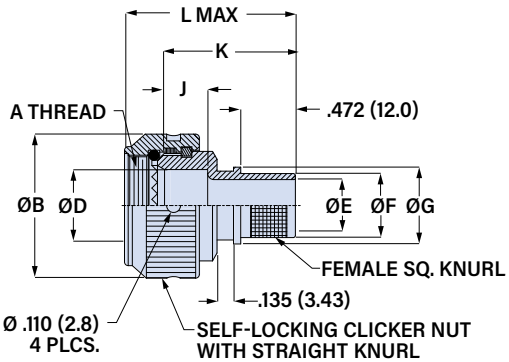
Length Code	J ± .015 (0.4) in	J mm	K Max in	K Max mm	L Max in	L Max mm
A	.291	7.4	1.035	26.3	1.362	34.6
B	.606	15.4	1.350	34.3	1.677	42.6
C	.803	20.4	1.547	39.3	1.874	47.6
D	1.197	30.4	1.941	49.3	2.768	57.6
E	.394	10.0	1.199	30.5	1.473	37.4

FIGURE 1: SLOT OPTION (L)

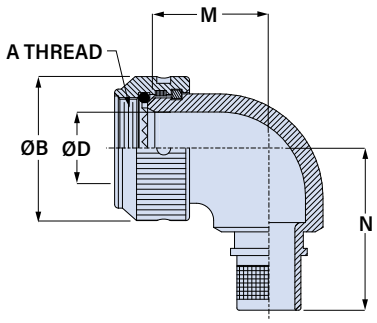


Entry Size	Slot Length in	Slot Length mm
03, 04, 05	.157	4.0
06, 07, 08	.276	7.0
10, 12	.433	11.0
14, 16	.472	12.0
18, 20	.551	14.0

S Straight



J 90°



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	øD Min in	øD Min mm	M Max in	M Max mm	N Max in	N Max mm	Max Entry Size
8/9	0.4375-28	.858	21.8	.264	6.7	.553	14.1	1.222	31.1	05
10/11	0.5625-24	.984	25.0	.380	9.7	.622	15.8	1.347	34.2	07
12/13	0.6875-24	1.157	29.4	.494	12.6	.683	17.4	1.494	38.0	08
14/15	0.8125-20	1.280	32.5	.620	15.6	.744	18.9	1.561	40.0	10
16/17	0.9375-20	1.406	35.7	.746	19.0	.799	20.3	1.624	41.3	12
18/19	1.0625-18	1.516	38.5	.833	21.1	.846	21.5	1.722	43.8	12
20/21	1.1875-18	1.642	41.7	.959	24.4	1.047	26.6	1.847	46.9	14
22/23	1.3125-18	1.768	44.9	1.081	27.5	.969	24.6	1.972	50.1	16
24/25	1.4375-18	1.890	48.0	1.207	30.7	1.047	26.6	2.098	53.3	20

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Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

443F*024 Banding Backshell, Shrouded Environmental

Self-Locking

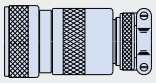
Environmental. "Band-in-a-Can" shield termination. Saddle clamp. 443F*024 banding backshell fits MIL-DTL-38999 Series I and II connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield with band strap (not supplied). Environmentally sealed with O-rings and cable grommet. Aluminum or stainless steel. Saddle clamp hardware is passivated SST. Silicone O-rings and grommet.

Adapter Code F

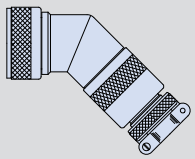
This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

PROFILE SELECTION GUIDE

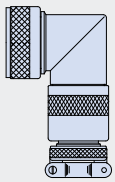
S Straight



H 45°



J 90°



PART NUMBER

		443FS024	NF	18	06-	3	S

Base P/N

Base Part No.	Profile
443FS024	S Straight
443FH024	H 45°
443FJ024	J 90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
ZM	SST/ Electroless Nickel

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

Length

2	1.0 inch
3	1.5 inches
4	2.0 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size", then 1.5 inch minimum applies.

Self-Locking — S Self-Locking Coupling Nut

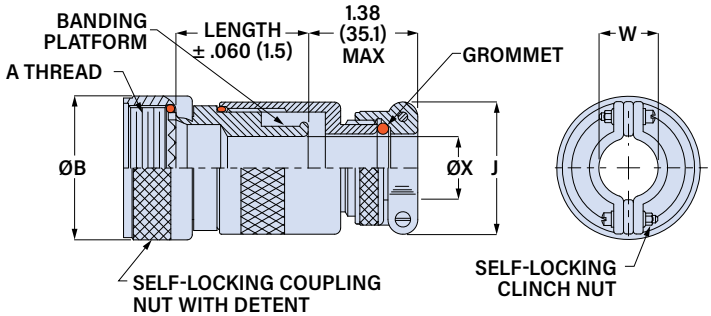


TABLE 1: ENTRY SIZE

Entry Size	Cable Range Min. in	Min. mm	Max. in	Max. mm	J Max. in	J Max. mm	W Closed in	W Closed mm	ø X Min in	ø X Min mm	Shell Sizes*
01	.125	3.2	.250	6.4	1.05	26.7	.264	6.7	.25	6.4	08-24
02	.188	4.8	.375	9.5	1.20	30.5	.344	8.7	.37	9.4	10-24
03	.312	7.9	.438	11.1	1.30	33.0	.460	11.7	.43	10.9	12-24
04	.343	8.7	.500	12.7	1.44	36.6	.545	13.8	.50	12.7	12-24
05	.438	11.1	.625	15.9	1.69	42.9	.698	17.7	.62	15.7	14-24
06	.562	14.3	.750	19.1	1.77	45.0	.780	19.8	.75	19.1	16-24
07	.688	17.5	.875	22.2	2.12	53.8	.950	24.1	.87	22.1	18-24
08	.812	20.6	1.000	25.4	2.50	63.5	1.015	25.8	1.00	25.4	20-24
09	.938	23.8	1.125	28.6	2.62	66.5	1.187	30.1	1.12	28.4	22-24
10	1.062	27.0	1.250	31.8	2.68	68.1	1.220	31.0	1.25	31.8	—
11	1.125	28.6	1.375	34.9	3.00	76.2	1.500	38.1	1.38	35.1	—
12	1.250	31.8	1.500	38.1	3.50	88.9	1.625	41.3	1.50	38.1	—

** If Entry Size exceeds the shell size range in this table, the backshell will include a "Style 2" adapter. See "Maximum Entry Size" on next page.*

Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	Max Entry Size*
8/9	0.4375-28	.860	21.8	01
10/11	0.5625-24	.970	24.6	02
12/13	0.6875-24	1.110	28.2	04
14/15	0.8125-20	1.210	30.7	05
16/17	0.9375-20	1.350	34.3	06
18/19	1.0625-18	1.460	37.1	07
20/21	1.1875-18	1.600	40.6	08
22/23	1.3125-18	1.700	43.2	09
24/25	1.4375-18	1.840	46.7	09

** If Entry Size exceeds the **Max Entry Size** in this table, the backshell will include a "**Style 2**" adapter. See "**Maximum Entry Size**" on next page.*

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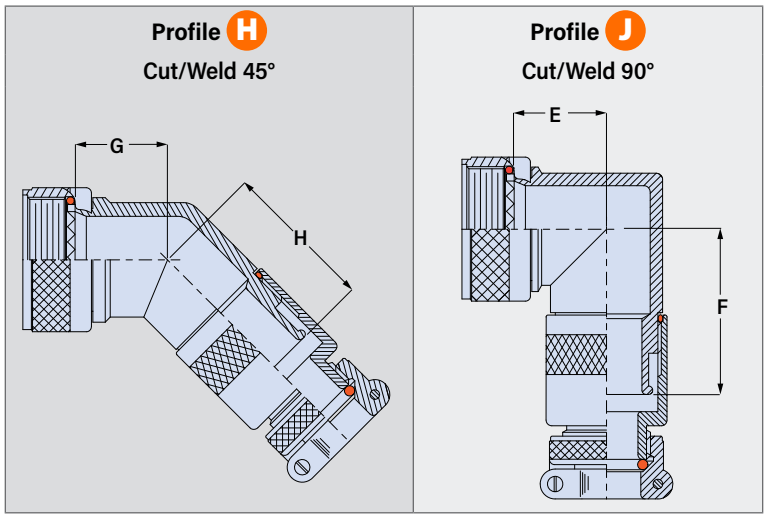
Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

443F*024 Banding Backshell, Shrouded, Environmental



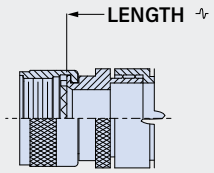
Shell Size	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm
8/9	.75	19.1	1.50	38.1	.639	16.2	1.380	35.1
10/11	.81	20.6	1.55	39.4	.664	16.9	1.410	35.8
12/13	.87	22.1	1.61	40.9	.688	17.5	1.430	36.3
14/15	.92	23.4	1.68	42.7	.705	17.9	1.460	37.1
16/17	.98	24.9	1.74	44.2	.732	18.6	1.480	37.6
18/19	1.02	25.9	1.76	44.7	.748	19.0	1.490	37.8
20/21	1.08	27.4	1.82	46.2	.773	19.6	1.510	38.4
22/23	1.14	29.0	1.90	48.3	.800	20.3	1.550	39.4
24/25	1.20	30.5	1.97	50.0	.823	20.9	1.580	40.1

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

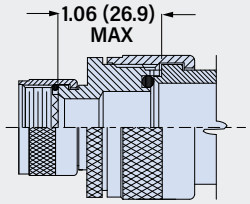
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
8/9	01	18/19	07
10/11	02	20/21	08
12/13	04	22/23	09
14/15	05	24/25	09
16/17	06		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 2 (1 inch) to 4 (2 inches).

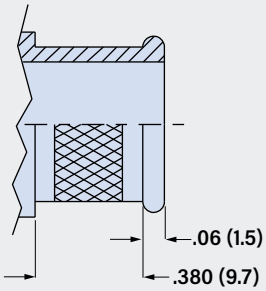
Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.06 inches.

BAND

SST band strap (not included, ordered separately) provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

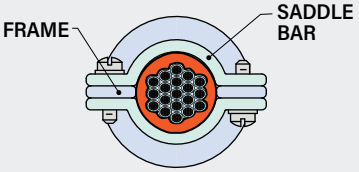


Band
601-041

Banding Tool
601-100

APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeving to meet the diameter of the fully closed clamp.



FULL RADIUS SADDLE CLAMP
SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

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Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

447FC659 Banding Backshell, Shrouded, Low Profile 90°

"Band-in-a-Can" shield termination. Low profile. Saddle clamp. 447F*659 banding adapter fits MIL-DTL-38999 Series I and II connectors. "Cobra" style split construction with screw-on lid for easy wire routing. Terminate cable braid shield to banding platform with micro band strap. Saddle clamp hardware is passivated SST.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

BAND

Terminate cable braid to EMI adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Band is stainless steel.

Micro Band

Hand Tool
601-101

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
10 - 16	601-061	8.13 (206)	.88 (22.4)
18 - 20	601-065	14.25 (362)	1.88 (47.8)

PART NUMBER

	447FC659	M	18	14	K

Base P/N 447FC659

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

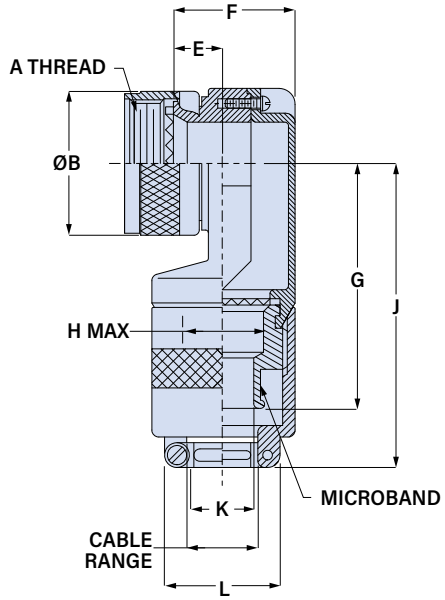
	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size

Entry Size	Cable Range Inches Min.	Inches Max.	mm Min.	mm Max.	Shell Sizes
10	.130	.250	3.3	6.4	08-24
12	.250	.380	6.4	9.7	10-24
14	.310	.440	7.9	11.2	14-24
16	.375	.630	9.5	16.0	16-24
18	.560	.690	14.2	17.5	22-24
20	.630	.750	16.0	19.1	22-24

Band

Omit if not required
K Pre-Coiled Band Included With Adapter



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	E Ref. in	E Ref. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm	Max Entry Size
8/9	0.4375-28	.650	16.5	.34	8.6	.681	17.3	1.62	41.1	.25	6.4	2.12	53.8	10
10/11	0.5625-24	.770	19.6	.27	6.9	.731	18.6	1.78	45.2	.38	9.5	2.28	57.9	12
12/13	0.6875-24	.890	22.6	.27	6.9	.731	18.6	1.78	45.2	.38	9.5	2.28	57.9	12
14/15	0.8125-20	1.020	25.9	.28	7.1	.831	21.1	1.85	47.0	.50	12.7	2.35	59.7	14
16/17	0.9375-20	1.150	29.2	.42	10.7	.981	24.9	1.90	48.3	.63	15.9	2.40	61.0	16
18/19	1.0625-18	1.230	31.2	.64	16.3	1.181	30.0	1.93	49.0	.63	15.9	2.43	61.7	16
20/21	1.1875-18	1.360	34.5	.64	16.3	1.181	30.0	1.93	49.0	.63	15.9	2.43	61.7	16
22/23	1.3125-18	1.480	37.6	.54	13.7	1.181	30.0	2.08	52.8	.75	19.1	2.58	65.5	20
24/25	1.4375-18	1.730	43.9	.54	13.7	1.181	30.0	2.08	52.8	.75	19.1	2.58	65.5	20

Entry Size	ø K ± .03 (0.8) in	ø K ± .03 (0.8) mm	L Max in	L Max mm	Cable Range Inches Min.	Cable Range Inches Max.	Cable Range mm Min.	Cable Range mm Max.	Shell Sizes
10	.22	5.6	1.00	25.4	.130	.250	3.3	6.4	08-24
12	.31	7.9	1.25	31.8	.250	.380	6.4	9.7	10-24
14	.44	11.2	1.34	34.0	.310	.440	7.9	11.2	14-24
16	.56	14.2	1.47	37.3	.375	.630	9.5	16.0	16-24
18	.63	16.0	1.56	38.1	.560	.690	14.2	17.5	22-24
20	.75	19.1	1.62	41.1	.630	.750	16.0	19.1	22-24

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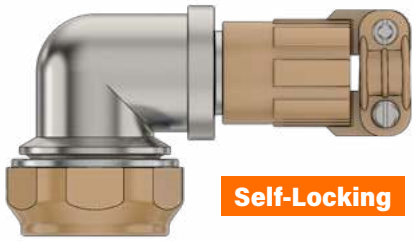
Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

447F*328 Banding Backshell, Composite, Shrouded



Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Standard Band
601-041

Lightweight. Composite. Band-in-a-Can shield termination. 447F*328 banding backshell fits MIL-DTL-38999 Series I and II connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Glass-reinforced thermoplastic.

PART NUMBER

	447FS328	XM	14	12	K	S

Base P/N

Base Part No.		Profile
447FS328	S	Straight
447FT328	T	45°
447FW328	W	90°

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

Coupling nut and saddle clamp are unplated amber color.

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Entry Size — *See Table 1*

Band — *Omit if not required*
K Pre-Coiled Band Included

Slot — *Omit if not required*
S Pigtail Termination Slots

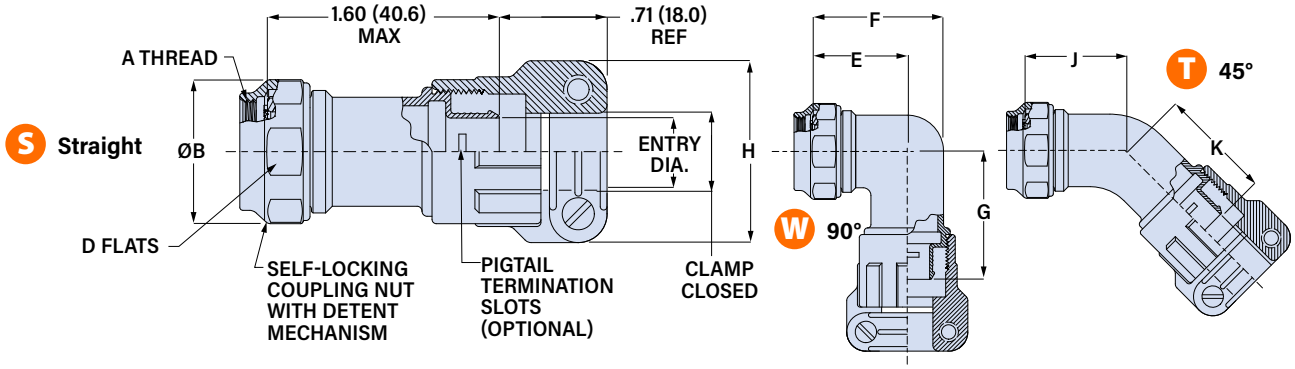


TABLE 1: ENTRY SIZE

Entry Size	Entry Dia. ± .03 (0.8) in	Entry Dia. ± .03 (0.8) mm	H ± .06 (1.5) in	H ± .06 (1.5) mm	Clamp Closed ± .03 (0.8) in	Clamp Closed ± .03 (0.8) mm	Shell Sizes
10	.22	5.6	.94	23.9	.26	6.6	08-24
12	.28	7.1	1.17	29.7	.34	8.6	10-24
14	.34	8.6	1.28	32.5	.46	11.7	12-24
16	.46	11.7	1.41	35.8	.55	14.0	14-24
18	.55	14.0	1.50	38.1	.62	15.7	16-24
20	.62	15.7	1.56	39.6	.70	17.8	16-24
22	.70	17.8	1.69	42.9	.78	19.8	20-24
24	.78	19.8	1.81	46.0	.85	21.6	22-24
28	.85	21.6	1.91	48.5	.95	24.1	24
32	.95	24.1	2.02	51.3	1.02	25.9	24

Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	D Hex Flats in	D Hex Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G Max in	G Max mm	J ± .06(1.5) in	J ± .06(1.5) mm	K ± .09(2.3) in	K ± .09(2.3) mm	Max Entry Size
8/9	0.4375-28	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.31	33.3	.72	18.3	1.15	29.2	10
10/11	0.5625-24	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.42	36.1	.75	19.1	1.27	32.3	12
12/13	0.6875-24	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.57	39.9	.75	19.1	1.33	33.8	14
14/15	0.8125-20	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.57	39.9	.76	19.3	1.37	34.8	16
16/17	0.9375-20	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.64	41.7	.78	19.8	1.39	35.3	20
18/19	1.0625-18	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.73	43.9	.79	20.1	1.41	35.8	20
20/21	1.1875-18	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.82	46.2	.82	20.8	1.43	36.3	22
22/23	1.3125-18	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.82	46.2	.86	21.8	1.47	37.3	24
24/25	1.4375-18	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.92	48.8	.89	22.6	1.50	38.1	32

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Series 44 Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

447FS523 Banding/ Overmolding Adapter

Low Profile. Micro band. Environmental. 447FS523 banding/overmolding adapter fits MIL-DTL-38999 Series I and II connectors. Terminate cable braid shield to adapter with .125" width micro band (sold separately). Aluminum or stainless steel, silicone O-ring.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

BAND

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max. Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

PART NUMBER

	447FS523	M	18

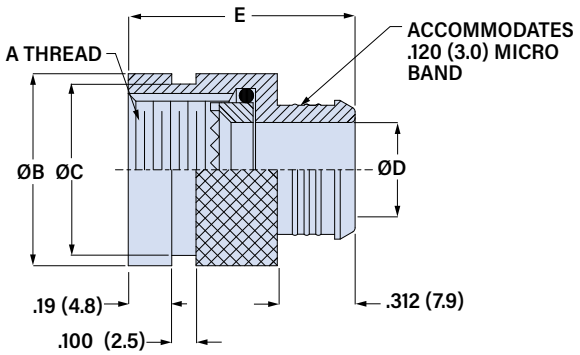
Base P/N 447FS523

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24



Shell Size	A Thread UNEF-2B	øB ± .015 (0.4) in	øB mm	øC ± .005 (0.1) in	øC mm	øD ± .015 (0.4) in	øD mm	E ±.03 (0.8) in	E mm
8/9	0.4375-28	.562	14.3	.500	12.7	.250	6.4	.750	19.1
10/11	0.5625-24	.688	17.5	.625	15.9	.375	9.5	.750	19.1
12/13	0.6875-24	.812	20.6	.750	19.1	.500	12.7	.750	19.1
14/15	0.8125-20	.938	23.8	.875	22.2	.625	15.9	.750	19.1
16/17	0.9375-20	1.062	27.0	1.000	25.4	.750	19.1	.750	19.1
18/19	1.0625-18	1.188	30.2	1.125	28.6	.875	22.2	.750	19.1
20/21	1.1875-18	1.312	33.3	1.250	31.8	1.000	25.4	.750	19.1
22/23	1.3125-18	1.438	36.5	1.375	34.9	1.125	28.6	.750	19.1
24/25	1.4375-18	1.562	39.7	1.500	38.1	1.250	31.8	.750	19.1

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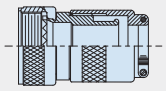
Series 44 EMI Banding Backshells

for MIL-DTL-38999 Series I and II Connectors

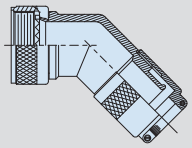
440F*039 EMI/RFI Banding Adapter for Circular Connectors

PROFILE SELECTION GUIDE

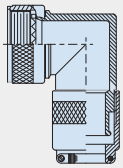
S Straight



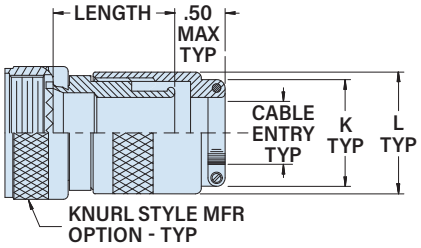
H 45°



J 90°



DIMENSIONS



PART NUMBER

	440FS039	M	18	04	-5	B

Base P/N

Base Part No.	Profile
440FS039	S Straight
440FH039	H 45°
440FJ039	J 90°

Finish Symbol

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Cadmium Olive Drab Over Electroless Nickel
ZR	Alum/ Zinc Nickel/ Black Over Electroless Nickel
TZ	Alum/ Tin-Zinc/ Green-Gold Over Electroless Nickel
Z1	SST/ Passivated

Shell Size

08 09 10 11 12 14 16 18 20 22 24

Dash No

01 02 03 04 05 06 07 08 09 10
See Table I

Length

2	1.0 inch
3	1.5 inches
4	2.0 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than Maximum Entry Size on next page, then 1.5 inch minimum applies.

Band

Omit if not required

B	Band Option
K	Pre-Coiled Band

TABLE 1: ENTRY SIZE

Dash No	K MAX in	K MAX mm	L MAX in	L MAX mm	Cable Entry Min in	Cable Entry Min mm	Cable Entry Max in	Cable Entry Max mm
01	.843	21.41	.78	19.81	.125	3.18	.250	6.35
02	.968	24.59	.97	24.64	.156	3.96	.375	9.53
03	1.046	26.57	1.05	26.67	.250	6.35	.438	11.13
04	1.156	29.36	1.15	29.21	.280	7.11	.500	12.70
05	1.218	30.94	1.22	30.99	.375	9.53	.625	15.88
06	1.343	34.11	1.34	34.04	.500	12.70	.750	19.05
07	1.468	37.29	1.47	37.34	.625	15.88	.875	22.23
08	1.593	40.46	1.59	40.39	.750	19.05	1.000	25.40
09	1.718	43.64	1.72	43.69	.875	22.23	1.125	28.58
10	1.843	46.81	1.84	46.74	1.000	25.40	1.250	31.75

** If selected entry size exceeds the shell size range shown in table, a Style 2 adapter will be included. Refer to Maximum Entry Size on next page for details.*

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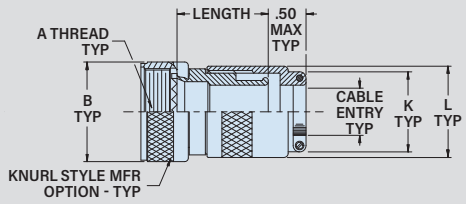
Series 44 EMI Banding Backshells

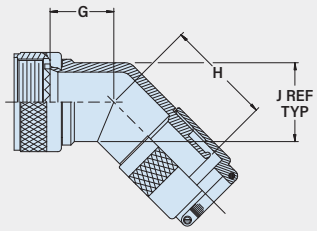
for MIL-DTL-38999 Series I and II Connectors

440F*039 EMI/RFI Banding Adapter for Circular Connectors

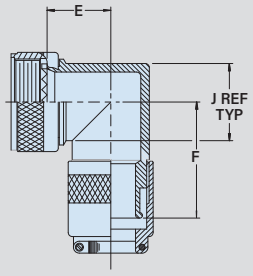
Profile S Straight



Profile H 45°



Profile J 90°



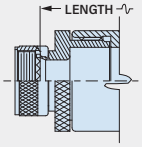
Shell Size F	E MAX in	E MAX mm	F MAX in	F MAX mm	G MAX in	G MAX mm	H MAX in	H MAX mm	J REF in	J REF mm	Max Dash No A	Max Dash No F, H, L
08	.75	19.05	1.50	38.10	.639	16.23	1.38	35.05	.45	11.43	01	01
10	.81	20.57	1.55	39.37	.664	16.87	1.41	35.81	.58	14.73	02	02
12	.87	22.10	1.61	40.89	.688	17.48	1.43	36.32	.69	17.53	04	04
14	.92	23.37	1.68	42.67	.705	17.91	1.46	37.08	.82	20.83	04	05
16	.98	24.89	1.74	44.20	.732	18.59	1.48	37.59	.94	23.88	05	06
18	1.02	25.91	1.76	44.70	.748	19.00	1.49	37.85	1.03	26.16	06	07
20	1.08	27.43	1.82	46.23	.773	19.63	1.51	38.35	1.16	29.46	07	08
22	1.14	28.96	1.90	48.26	.800	20.32	1.55	39.37	1.28	32.51	08	09
24	1.20	30.48	1.97	50.04	.823	20.90	1.58	40.13	1.41	35.81	09	10
-	1.48	37.59	2.21	56.13	1.041	26.44	1.75	44.45	1.56	39.62	10	-
-	1.61	40.89	2.30	58.42	1.092	27.74	1.79	45.47	1.78	45.21	10	-
-	1.72	43.69	2.41	61.21	1.138	28.91	1.84	46.74	2.00	50.80	10	-
-	1.83	46.48	2.52	64.01	1.184	30.07	1.88	47.75	2.21	56.13	10	-

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

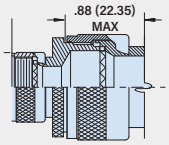
Shell Size A	Shell Size F, L	Shell Size H	Max Dash No A	Max Dash No F, H, L
08	08	09	01	01
10	10	11	02	02
12	12	13	04	04
14	14	15	04	05
16	16	17	05	06
18	18	19	06	07
20	20	21	07	08
22	22	23	08	09
24	24	25	09	10
28	-	-	10	-
32	-	-	10	-
36	-	-	10	-
40	-	-	10	-

Style 2 Straight Backshell



Style 2 profile S straight backshell minimum length code is 4 (1.5 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the front adapter adds 1 inch.

BAND

Terminate cable braid to EMI backshell with optional banding strap. Stainless steel.

Micro Band

Hand Tool
601-101

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
02 - 10	601-061	8.13 (206)	.88 (22.4)
10 - 20	601-065	14.25 (362)	1.88 (47.8)

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Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

440H*030 Banding Backshell, Shrink Boot

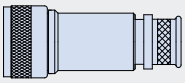
Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

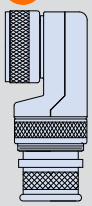
Spin coupling. Band-Master ATS® shield termination. 440H*030 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum or stainless steel, silicone O-rings.

PROFILE SELECTION GUIDE

S Straight

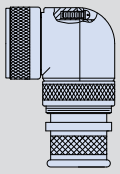


C 90°



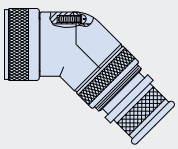
Low Profile Split

D 90°



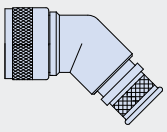
Split

F 45°



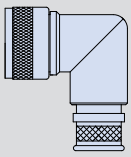
Split

H 45°



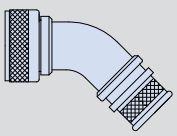
Cut and Weld

J 90°



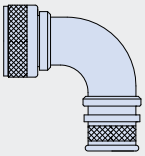
Cut and Weld

M 45°



Full Radius

N 90°



Full Radius

PART NUMBER

	440HS030	NF	17	06-	4	K	P	T

Base P/N

Base Part No.		Profile
440HS030	S	Straight
440HC030	C	90° Split Low Prof.
440HD030	D	90° Split
440HF030	F	45° Split
440HH030	H	45° Cut/Weld
440HJ030	J	90° Cut/Weld
440HM030	M	45° Full Radius
440HN030	N	90° Full Radius

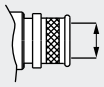
Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size



Size	Inside Dia.	Shell Sizes*	Size	Inside Dia.	Shell Sizes*
01	.125 (3.2)	09-25	07	.875 (22.2)	19-25
31	.188 (4.8)	09-25	37	.938 (23.8)	21-25
02	.250 (6.4)	09-25	08	1.000 (25.4)	21-25
32	.312 (7.9)	11-25	38	1.062 (27.0)	23-25
03	.375 (9.5)	11-25	09	1.125 (28.6)	23-25
33	.438 (11.1)	13-25	10	1.250 (31.8)	25
04	.500 (12.7)	13-25	11	1.375 (34.9)	-
34	.562 (14.3)	15-25	12	1.500 (38.1)	-
05	.625 (15.9)	15-25	13	1.625 (41.3)	-
35	.688 (17.5)	17-25	14	1.750 (44.5)	-
06	.750 (19.1)	17-25	15	1.875 (47.6)	-
36	.812 (20.6)	19-25	16	2.000 (50.8)	-

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included. See **Maximum Entry Size** for details. ⚠ Profile C entry size cannot exceed shell size range listed in table.*

Length

3	1.5 inches
4	2.0 inches
5	2.5 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.

Band

Omit if not required

K Pre-Coiled Band Included With Backshell

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T	Shrink Boot Included With Backshell
T1	Adhesive-lined Shrink Boot Included With Backshell

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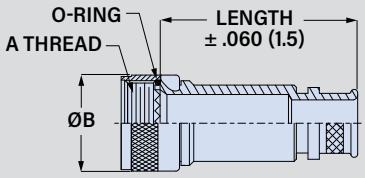
Series 44 Banding Backshells

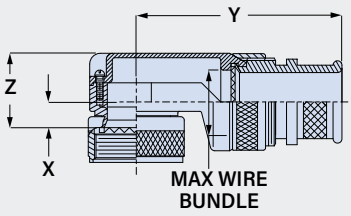
for MIL-DTL-38999 Series III and IV Connectors

440H*030 Banding Backshell, Shrink Boot

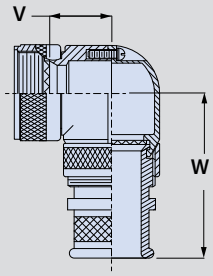
Profile S
Straight



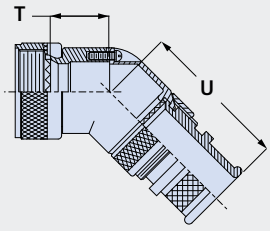
Profile C
Low Profile Split 90°



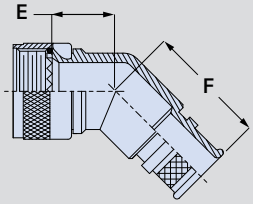
Profile D
Split 90°



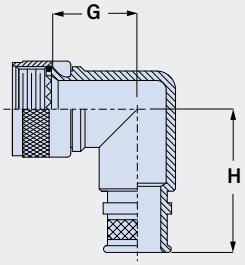
Profile F
Split 45°



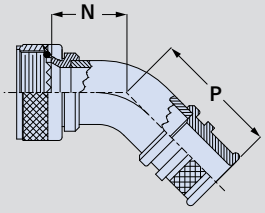
Profile H
Cut/Weld 45°



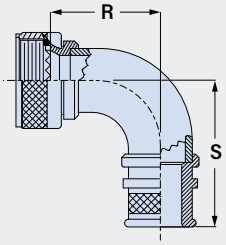
Profile J
Cut/Weld 90°



Profile M
Full Radius 45°



Profile N
Full Radius 90°



Shell Size	A Thread	øB Max in	øB Max mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	N Max. in	N Max. mm	P Max. in	P Max. mm	R Max. in	R Max. mm	S Max. in	S Max. mm
9 (A)	M12X1.0-6H	.770	19.6	.531	13.5	.94	23.9	.639	16.2	1.110	28.2	.812	20.6	1.017	25.8	1.125	28.6	1.335	33.9
11 (B)	M15X1.0-6H	.840	21.3	.594	15.1	1.00	25.4	.664	16.9	1.140	29.0	.875	22.2	1.071	27.2	1.250	31.8	1.460	37.1
13 (C)	M18X1.0-6H	.960	24.4	.618	15.7	1.05	26.7	.688	17.5	1.160	29.5	.938	23.8	1.121	28.5	1.375	34.9	1.585	40.3
15 (D)	M22X1.0-6H	1.090	27.7	.656	16.7	1.09	27.7	.705	17.9	1.190	30.2	1.000	25.4	1.175	29.8	1.500	38.1	1.710	43.4
17 (E)	M25X1.0-6H	1.230	31.2	.688	17.5	1.15	29.2	.732	18.6	1.210	30.7	1.062	27.0	1.224	31.1	1.625	41.3	1.835	46.6
19 (F)	M28X1.0-6H	1.360	34.5	.748	19.0	1.19	30.2	.803	20.4	1.221	31.0	1.094	27.8	1.274	32.4	1.750	44.5	1.960	49.8
21 (G)	M31X1.0-6H	1.480	37.6	.773	19.6	1.25	31.8	1.031	26.2	1.281	32.5	1.156	29.4	1.328	33.7	1.875	47.6	2.085	53.0
23 (H)	M34X1.0-6H	1.600	40.6	.800	20.3	1.32	33.5	1.156	29.4	1.351	34.3	1.188	30.2	1.382	35.1	2.000	50.8	2.210	56.1
25 (J)	M37X1.0-6H	1.720	43.7	.823	20.9	1.38	35.1	1.219	31.0	1.410	35.8	1.250	31.8	1.431	36.3	2.125	54.0	2.335	59.3

Shell Size	T Max. in	T Max. mm	U Max. in	U Max. mm	V Max. in	V Max. mm	W Max. in	W Max. mm	X Max. in	X Max. mm	Y Max. in	Y Max. mm	Z Max. in	Z Max. mm	Profile C Max. Wire Bundle in	Profile C Max. Wire Bundle mm
9 (A)	.44	11.2	1.635	41.5	.68	17.3	1.575	40.0	.34	8.6	1.915	48.6	.681	17.3	.250	6.4
11 (B)	.50	12.7	1.695	43.1	.75	19.1	1.635	41.5	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
13 (C)	.56	14.2	1.765	44.8	.81	20.6	1.705	43.3	.27	6.9	2.075	52.7	.731	18.6	.375	9.5
15 (D)	.62	15.7	1.795	45.6	.87	22.1	1.735	44.1	.28	7.1	2.145	54.5	.831	21.1	.500	12.7
17 (E)	.68	17.3	1.895	48.1	.93	23.6	1.835	46.6	.42	10.7	2.195	55.8	.981	24.9	.625	15.9
19 (F)	.75	19.1	1.955	49.7	1.00	25.4	1.895	48.1	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
21 (G)	.82	20.8	2.015	51.2	1.06	26.9	1.955	49.7	.64	16.3	2.225	56.5	1.181	30.0	.625	15.9
23 (H)	.88	22.4	2.075	52.7	1.12	28.4	2.015	51.2	.61	15.5	2.375	60.3	1.311	33.3	.875	22.2
25 (J)	.94	23.9	2.135	54.2	1.18	30.0	2.075	52.7	.68	17.3	2.500	63.5	1.431	36.3	1.000	25.4

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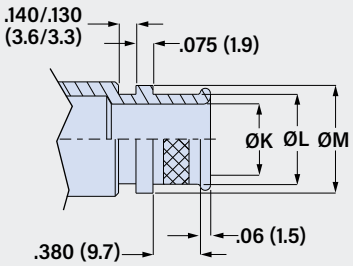
Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

440H*030 Banding Backshell, Shrink Boot

ENTRY SIZE



Entry Size	Shell Sizes	øK ± .015 (0.4) in	øK mm	øL ± .015 (0.4) in	øL mm	øM ± .015 (0.4) in	øM mm
01	09-25	.125	3.2	.250	6.4	.312	7.9
31	09-25	.188	4.8	.312	7.9	.375	9.5
02	09-25	.250	6.4	.375	9.5	.438	11.1
32	11-25	.312	7.9	.438	11.1	.500	12.7
03	11-25	.375	9.5	.500	12.7	.562	14.3
33	13-25	.438	11.1	.562	14.3	.625	15.9
04	13-25	.500	12.7	.625	15.9	.687	17.4
34	15-25	.562	14.3	.688	17.5	.750	19.1
05	15-25	.625	15.9	.750	19.1	.812	20.6
35	17-25	.688	17.5	.812	20.6	.875	22.2
06	17-25	.750	19.1	.875	22.2	.938	23.8
36	19-25	.812	20.6	.938	23.8	1.000	25.4

Entry Size	Shell Sizes	øK ± .015(0.4) in	øK mm	øL ± .015(0.4) in	øL mm	øM ± .015(0.4) in	øM mm
07	19-25	.875	22.2	1.000	25.4	1.062	27.0
37	21-25	.938	23.8	1.062	27.0	1.125	28.6
08	21-25	1.000	25.4	1.125	28.6	1.188	30.2
38	23-25	1.062	27.0	1.188	30.2	1.250	31.8
09	23-25	1.125	28.6	1.250	31.8	1.312	33.3
10	25	1.250	31.8	1.375	34.9	1.438	36.5
11	-	1.375	34.9	1.500	38.1	1.562	39.7
12	-	1.500	38.1	1.625	41.3	1.688	42.9
13	-	1.625	41.3	1.750	44.5	1.812	46.0
14	-	1.750	44.5	1.875	47.6	1.938	49.2
15	-	1.875	47.6	2.000	50.8	2.062	52.4
16	-	2.000	50.8	2.125	54.0	2.188	55.6

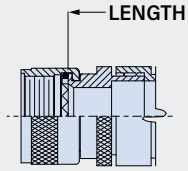
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

⚠ *Profile G backshells are not available with entry sizes larger than shown in table.*

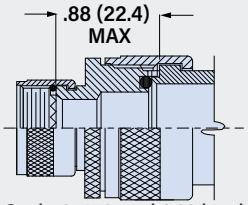
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9(A)	02	19(F)	07
11(B)	03	21(G)	08
13(C)	04	23(H)	09
15(D)	05	25(J)	10
17(E)	06		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by .88 inches.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Available with W1 hot melt adhesive pre-coat. Operating temperature range -75 to +150 °C (no adhesive), -55 to +125 °C (with W1 adhesive).

Entry Sizes	Shrink Boot P/N	Adhesive Lined Shrink Boot P/N
01-31	770-003S111	770-003S111W1
02-32	770-003S112	770-003S112W1
03	770-001S103	770-001S103W1
33-35	770-001S104	770-001S104W1
06-37	770-001S105	770-001S105W1
08-38	770-001S106	770-001S106W1
09-12	770-001S107	770-001S107W1
13-14	770-001S108	770-001S108W1
15-16	770-001S109	770-001S109W1

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

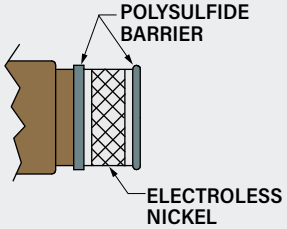
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

440H*069 Banding Backshell, Shrink Boot, Self-Locking

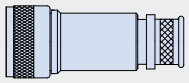
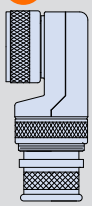
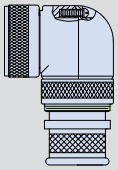
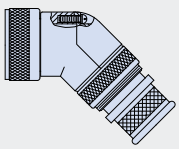
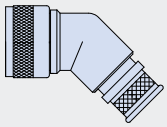
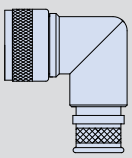
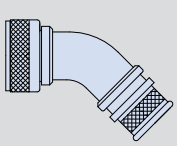
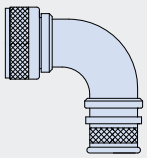
Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Self-Locking. Band-Master ATS® shield termination. 440H*069 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

PROFILE SELECTION GUIDE

S Straight 	**C** 90°  Low Profile Split
D 90°  Split	**F** 45°  Split
H 45°  Cut and Weld	**J** 90°  Cut and Weld
M 45°  Full Radius	**N** 90°  Full Radius

PART NUMBER

440HS069	Z1	17	06-	4	K	P	T

Base P/N

Base Part No.	Profile	
440HS069	S	Straight
440HC069	C	90° Split Low Prof.
440HD069	D	90° Split
440HF069	F	45° Split
440HH069	H	45° Cut/Weld
440HJ069	J	90° Cut/Weld
440HM069	M	45° Full Radius
440HN069	N	90° Full Radius

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated *(Profiles H, J, M, N, S only)*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Size	Inside Dia.	Shell Sizes*	Size	Inside Dia.	Shell Sizes*
01	.125 (3.2)	09-25	07	.875 (22.2)	19-25
31	.188 (4.8)	09-25	37	.938 (23.8)	21-25
02	.250 (6.4)	09-25	08	1.000 (25.4)	21-25
32	.312 (7.9)	11-25	38	1.062 (27.0)	23-25
03	.375 (9.5)	11-25	09	1.125 (28.6)	23-25
33	.438 (11.1)	13-25	10	1.250 (31.8)	25
04	.500 (12.7)	13-25	11	1.375 (34.9)	-
34	.562 (14.3)	15-25	12	1.500 (38.1)	-
05	.625 (15.9)	15-25	13	1.625 (41.3)	-
35	.688 (17.5)	17-25	14	1.750 (44.5)	-
06	.750 (19.1)	17-25	15	1.875 (47.6)	-
36	.812 (20.6)	19-25	16	2.000 (50.8)	-

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included. See **Maximum Entry Size** for details. ⚠ Profile C entry size cannot exceed shell size range listed in table.*

Length

3	1.5 inches	*Applies to Profile S only.*
4	2.0 inches	*If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.*
5	2.5 inches	
6	3.0 inches	

Band

Omit if not required

K	Pre-Coiled Band Included With Backshell

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P	Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T	Shrink Boot Included With Backshell
T1	Adhesive-lined Shrink Boot Included With Backshell

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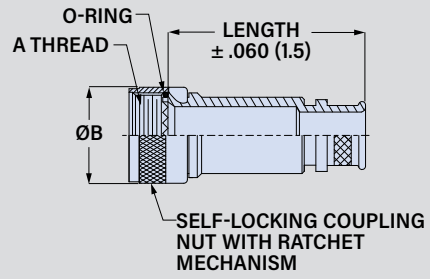
Series 44 Banding Backshells

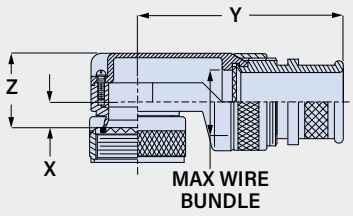
for MIL-DTL-38999 Series III and IV Connectors

440H*069 Banding Backshell, Shrink Boot, Self-Locking

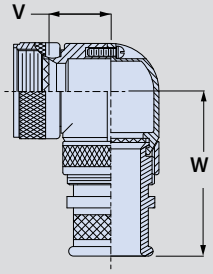
Profile S
Straight



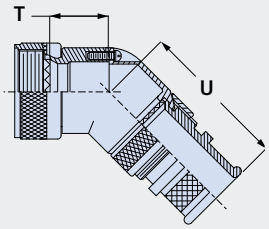
Profile C
Low Profile Split 90°



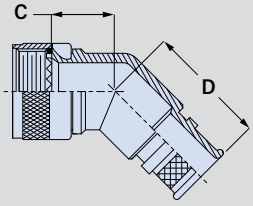
Profile D
Split 90°



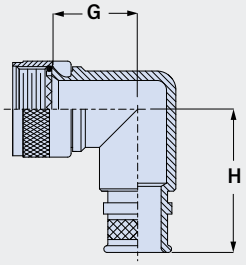
Profile F
Split 45°



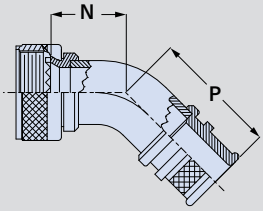
Profile H
Cut/Weld 45°



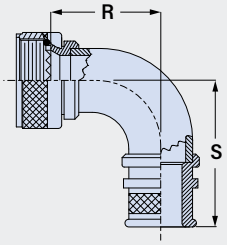
Profile J
Cut/Weld 90°



Profile M
Full Radius 45°



Profile N
Full Radius 90°



Shell Size	A Thread	øB Max in	øB Max mm	C Max. in	C Max. mm	D Max. in	D Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	N Max. in	N Max. mm	P Max. in	P Max. mm	R Max. in	R Max. mm	S Max. in	S Max. mm
9 (A)	M12X1.0-6H	.94	24.8	.806	20.5	1.038	26.4	.906	23.0	1.146	29.1	.968	24.6	1.017	25.8	1.281	32.5	1.335	33.9
11 (B)	M15X1.0-6H	1.06	26.9	.832	21.1	1.064	27.0	.966	24.5	1.210	30.7	1.031	26.2	1.071	27.2	1.406	35.7	1.460	37.1
13 (C)	M18X1.0-6H	1.17	29.7	.856	21.7	1.088	27.6	1.026	26.0	1.268	32.2	1.094	27.8	1.121	28.5	1.531	38.9	1.585	40.3
15 (D)	M22X1.0-6H	1.29	32.7	.882	22.4	1.114	28.3	1.076	27.3	1.330	33.8	1.156	29.4	1.175	29.8	1.656	42.1	1.710	43.4
17 (E)	M25X1.0-6H	1.42	36.1	.908	23.1	1.150	29.2	1.136	28.8	1.392	35.4	1.218	30.9	1.224	31.1	1.781	45.2	1.835	46.6
19 (F)	M28X1.0-6H	1.54	39.1	.927	23.5	1.190	30.2	1.176	29.9	1.438	36.5	1.250	31.8	1.274	32.4	1.906	48.4	1.960	49.8
21 (G)	M31X1.0-6H	1.67	42.4	.953	24.2	1.250	31.8	1.236	31.4	1.500	38.1	1.312	33.3	1.328	33.7	2.031	51.6	2.085	53.0
23 (H)	M34X1.0-6H	2.01	51.1	.979	24.9	1.320	33.5	1.296	32.9	1.562	39.7	1.344	34.1	1.382	35.1	2.156	54.8	2.210	56.1
25 (J)	M37X1.0-6H	2.12	53.8	1.004	25.5	1.380	35.1	1.356	34.4	1.625	41.3	1.406	35.7	1.431	36.3	2.281	57.9	2.335	59.3

Shell Size	T Max. in	T Max. mm	U Max. in	U Max. mm	V Max. in	V Max. mm	W Max. in	W Max. mm	X Max. in	X Max. mm	Y Max. in	Y Max. mm	Z Max. in	Z Max. mm	Profile C Max. Wire Bundle in	Profile C Max. Wire Bundle mm
9 (A)	.596	15.1	1.635	41.5	.836	21.2	1.575	40.0	.496	12.6	1.915	48.6	.837	21.3	.250	6.4
11 (B)	.656	16.7	1.695	43.1	.906	23.0	1.635	41.5	.426	10.8	2.075	52.7	.887	22.5	.375	9.5
13 (C)	.716	18.2	1.765	44.8	.966	24.5	1.705	43.3	.426	10.8	2.075	52.7	.887	22.5	.375	9.5
15 (D)	.776	19.7	1.795	45.6	1.026	26.1	1.735	44.1	.436	11.1	2.145	54.5	.987	25.1	.500	12.7
17 (E)	.836	21.2	1.895	48.1	1.086	27.6	1.835	46.6	.576	14.6	2.195	55.8	1.137	28.9	.625	15.9
19 (F)	.906	23.0	1.955	49.7	1.156	29.4	1.895	48.1	.796	20.2	2.225	56.5	1.337	34.0	.625	15.9
21 (G)	.976	24.8	2.015	51.2	1.216	30.9	1.955	49.7	.796	20.2	2.225	56.5	1.337	34.0	.625	15.9
23 (H)	1.036	26.3	2.075	52.7	1.276	32.4	2.015	51.2	.696	17.7	2.375	60.3	1.337	34.0	.750	19.1
25 (J)	1.096	27.8	2.135	54.2	1.336	33.9	2.075	52.7	.696	17.7	2.375	60.3	1.337	34.0	.750	19.1

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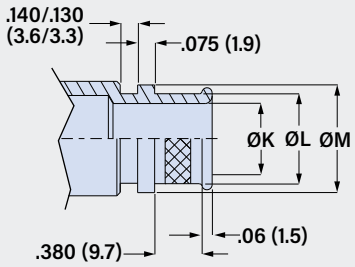
Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

440H*069 Banding Backshell, Shrink Boot, Self-Locking

ENTRY SIZE



Entry Size	Shell Sizes	øK ± .015 (0.4) in	øK ± .015 (0.4) mm	øL ± .015 (0.4) in	øL ± .015 (0.4) mm	øM ± .015 (0.4) in	øM ± .015 (0.4) mm
01	09-25	.125	3.2	.250	6.4	.312	7.9
31	09-25	.188	4.8	.312	7.9	.375	9.5
02	09-25	.250	6.4	.375	9.5	.438	11.1
32	11-25	.312	7.9	.438	11.1	.500	12.7
03	11-25	.375	9.5	.500	12.7	.562	14.3
33	13-25	.438	11.1	.562	14.3	.625	15.9
04	13-25	.500	12.7	.625	15.9	.687	17.4
34	15-25	.562	14.3	.688	17.5	.750	19.1
05	15-25	.625	15.9	.750	19.1	.812	20.6
35	17-25	.688	17.5	.812	20.6	.875	22.2
06	17-25	.750	19.1	.875	22.2	.938	23.8
36	19-25	.812	20.6	.938	23.8	1.000	25.4

Entry Size	Shell Sizes	øK ± .015(0.4) in	øK ± .015(0.4) mm	øL ± .015(0.4) in	øL ± .015(0.4) mm	øM ± .015(0.4) in	øM ± .015(0.4) mm
07	19-25	.875	22.2	1.000	25.4	1.062	27.0
37	21-25	.938	23.8	1.062	27.0	1.125	28.6
08	21-25	1.000	25.4	1.125	28.6	1.188	30.2
38	23-25	1.062	27.0	1.188	30.2	1.250	31.8
09	23-25	1.125	28.6	1.250	31.8	1.312	33.3
10	25	1.250	31.8	1.375	34.9	1.438	36.5
11	-	1.375	34.9	1.500	38.1	1.562	39.7
12	-	1.500	38.1	1.625	41.3	1.688	42.9
13	-	1.625	41.3	1.750	44.5	1.812	46.0
14	-	1.750	44.5	1.875	47.6	1.938	49.2
15	-	1.875	47.6	2.000	50.8	2.062	52.4
16	-	2.000	50.8	2.125	54.0	2.188	55.6

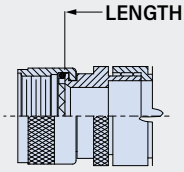
MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

⚠ *Profile C backshells are not available with entry sizes larger than shown in table.*

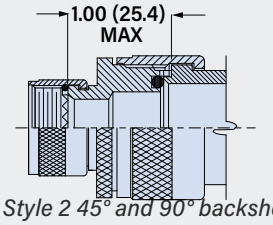
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9(A)	02	19(F)	07
11(B)	03	21(G)	08
13(C)	04	23(H)	09
15(D)	05	25(J)	10
17(E)	06		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by one inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Available with W1 hot melt adhesive pre-coat. Operating temperature range -75 to +150 °C (no adhesive), -55 to +125 °C (with W1 adhesive).

Entry Sizes	Shrink Boot P/N	Adhesive Lined Shrink Boot P/N
01-31	770-003S111	770-003S111W1
02-32	770-003S112	770-003S112W1
03	770-001S103	770-001S103W1
33-35	770-001S104	770-001S104W1
06-37	770-001S105	770-001S105W1
08-38	770-001S106	770-001S106W1
09-12	770-001S107	770-001S107W1
13-14	770-001S108	770-001S108W1
15-16	770-001S109	770-001S109W1

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The ***Band-Master ATS® Advanced Cable Shield Termination System*** is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

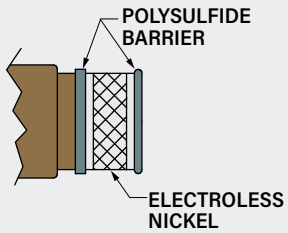
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Dimensions in Inches (millimeters) are subject to change without notice.

Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

440H*233 Banding Backshell, Shrink Boot, Expanded Clearance

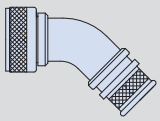
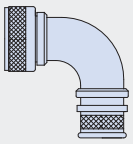
Self-Locking

Prevents splaying of size 8 twinax, quadrax and octaxial contacts. Band-Master ATS® shield termination. 440H*233 banding backshell fits MIL-DTL-38999 Series III and IV connectors and Series 233 SuperNine connectors with size 8 contacts. Backshell has increased clearance for oversized contacts and associated sealing boots. 45° and 90° angular profiles have large radius elbows for minimized bending of data cables. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring. Silicone O-ring.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

PROFILE SELECTION GUIDE

S	M	N
Straight	45°	90°
		

PART NUMBER

	440HS233	Z1	17	06	-4	K	P	T

Base P/N

Base Part No.	Profile	
440HS233	S	Straight
440HM233	M	45°
440HN233	N	90°

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

Size	Inside Dia.	Shell Sizes	Size	Inside Dia.	Shell Sizes
04	.250 (6.4)	09-25	12	.750 (19.1)	17-25
05	.312 (7.9)	09-25	13	.812 (20.6)	19-25
06	.375 (9.5)	11-25	14	.875 (22.2)	19-25
07	.438 (11.1)	13-25	15	.938 (23.8)	21-25
08	.500 (12.7)	13-25	16	1.000 (25.4)	21-25
09	.562 (14.3)	15-25	17	1.062 (27.0)	23-25
10	.625 (15.9)	15-25	18	1.125 (28.6)	23-25
11	.688 (17.5)	17-25	20	1.250 (31.8)	25

Length

-4	2.0 inches
-5	2.5 inches
-6	3.0 inches
-7	3.5 inches

Length Code applies to Profile S only. Length in ½ inch increments, 2 inch minimum. Omit for 45° and 90° profiles.

Band

Omit if not required
K Pre-Coiled Band Included With Backshell

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.
P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T	Type 1 High Performance Shrink Boot Included With Backshell
T1	Adhesive-lined Type 1 High Performance Shrink Boot
H	Zero Halogen Shrink Boot Included With Backshell
T1	Adhesive-lined Zero Halogen Shrink Boot

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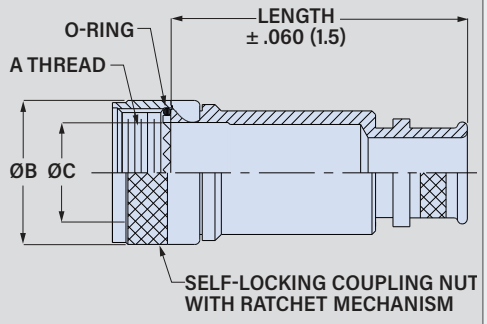
Series 44 Banding Backshells

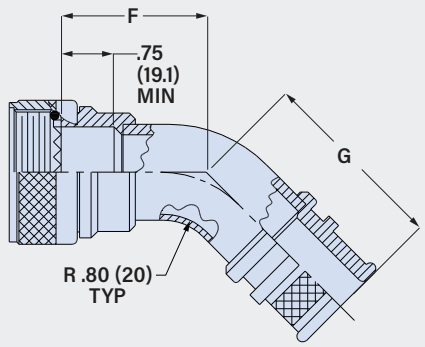
for MIL-DTL-38999 Series III and IV Connectors

440H*233 Banding Backshell, Shrink Boot, Expanded Clearance

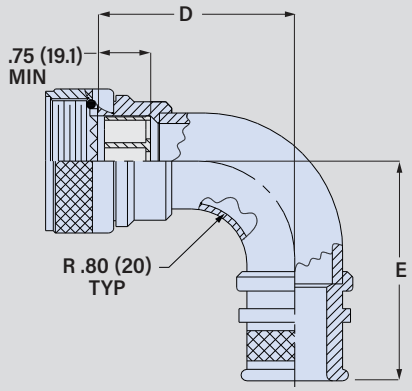
Profile S Straight



Profile M 45°

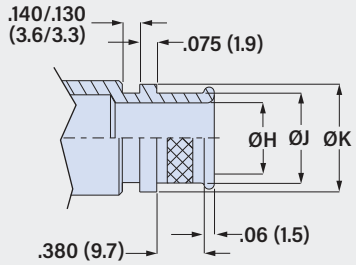


Profile N 90°



Shell Size	A Thread	øB Max in	øB Max mm	øC Min in	øC Min mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	Max Entry Size
9 (A)	M12X1.0-6H	.94	23.9	.372	9.4	1.893	48.1	1.883	47.8	1.433	36.4	1.423	36.1	06
11 (B)	M15X1.0-6H	1.06	26.9	.470	11.9	1.955	49.7	1.945	49.4	1.460	37.1	1.450	36.8	07
13 (C)	M18X1.0-6H	1.17	29.7	.584	14.8	2.107	53.5	2.097	53.3	1.485	37.7	1.475	37.5	09
15 (D)	M22X1.0-6H	1.29	32.8	.709	18.0	2.170	55.1	2.160	54.9	1.541	39.1	1.531	38.9	11
17 (E)	M25X1.0-6H	1.42	36.1	.834	21.2	2.275	57.8	2.265	57.5	1.580	40.1	1.570	39.9	13
19 (F)	M28X1.0-6H	1.54	39.1	.940	23.9	2.338	59.4	2.328	59.1	1.606	40.8	1.596	40.5	15
21 (G)	M31X1.0-6H	1.67	42.4	1.065	27.1	2.399	60.9	2.389	60.7	1.588	40.3	1.578	40.1	17
23 (H)	M34X1.0-6H	2.01	51.1	1.190	30.2	2.420	61.5	2.410	61.2	1.610	40.9	1.600	40.6	18
25 (J)	M37X1.0-6H	2.12	53.8	1.315	33.5	2.525	64.1	2.515	63.9	1.641	41.7	1.631	41.4	20

ENTRY SIZE



Entry Size	Shell Sizes	øH ± .015 (0.4) in	øH mm	øJ ± .015 (0.4) in	øJ mm	øK ± .015 (0.4) in	øK mm
04	09-25	.250	6.4	.375	9.5	.438	11.1
05	09-25	.312	7.9	.438	11.1	.500	12.7
06	11-25	.375	9.5	.500	12.7	.562	14.3
07	13-25	.438	11.1	.562	14.3	.625	15.9
08	13-25	.500	12.7	.625	15.9	.687	17.4
09	15-25	.562	14.3	.688	17.5	.750	19.1
10	15-25	.625	15.9	.750	19.1	.812	20.6
11	17-25	.688	17.5	.812	20.6	.875	22.2
12	17-25	.750	19.1	.875	22.2	.938	23.8
13	19-25	.812	20.6	.938	23.8	1.000	25.4
14	19-25	.875	22.2	1.000	25.4	1.062	27.0
15	21-25	.938	23.8	1.062	27.0	1.125	28.6
16	21-25	1.000	25.4	1.125	28.6	1.188	30.2
17	23-25	1.062	27.0	1.188	30.2	1.250	31.8
18	23-25	1.125	28.6	1.250	31.8	1.312	33.3
20	25	1.250	31.8	1.375	34.9	1.438	36.5

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection.

Code T, T1: Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C. Code T1 adds W1 hot melt adhesive precoat (-55 to +125 °C).

Code H, H1: Type 2 halogen-free polyolefin meets low smoke and toxicity requirements of shipboard, transit and aircraft systems. Operating temperature range -40 to +130 °C. Code H1 adds W1 hot melt adhesive precoat (-55 to +125 °C).

Entry Sizes	Shrink Boot P/N*	Zero Halogen Shrink Boot P/N*
02-32	770-003S112	770-003S212
03	770-001S103	770-001S203
33-35	770-001S104	770-001S204
06-37	770-001S105	770-001S205
08-38	770-001S106	770-001S206
09-10	770-001S107	770-001S207

* Add "W1" to the part number for adhesive lined boot

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System provides excellent static loading and corrosion resistance in electrical wire interconnect systems.

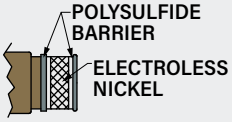
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

440H*072 Banding Backshell, Dual Band

Self-Locking

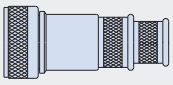
Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

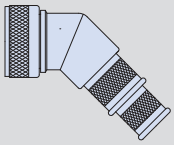
Self-Locking. Two banding platforms. 440H*072 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

PROFILE SELECTION GUIDE

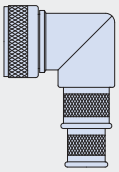
S Straight



H 45°



J 90°



PART NUMBER

	440HS072	Z1	19	06-	4	K	P

Base P/N

Base Part No.		Profile
440HS072	S	Straight
440HH072	H	45°
440HJ072	J	90°

Material/Finish

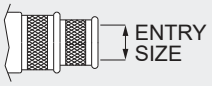
M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size

See Table 1



Length

3	1.5 inches
4	2.0 inches
5	2.5 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch minimum applies.

Band

Omit if not required

K Pre-Coiled Bands Included With Backshell (qty. 2)

Polysulfide

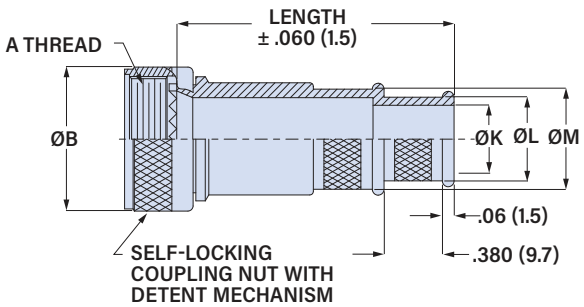
Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

TABLE 1: ENTRY SIZE

Entry Size	Shell Sizes*	øK ± .015(0.4) in	øK mm	øL ± .015(0.4) in	øL mm	øM ± .015(0.4) in	øM mm
02	08-24	.125	3.2	.250	6.4	.312	7.9
03	08-24	.188	4.8	.312	7.9	.375	9.5
04	08-24	.250	6.4	.375	9.5	.438	11.1
05	10-24	.312	7.9	.438	11.1	.500	12.7
06	10-24	.375	9.5	.500	12.7	.562	14.3
07	12-24	.438	11.1	.562	14.3	.625	15.9
08	12-24	.500	12.7	.625	15.9	.688	17.5
09	14-24	.562	14.3	.688	17.5	.750	19.1
10	14-24	.625	15.9	.750	19.1	.812	20.6
11	16-24	.688	17.5	.812	20.6	.875	22.2
12	16-24	.750	19.1	.875	22.2	.938	23.8
13	18-24	.812	20.6	.938	23.8	1.000	25.4
14	20-24	.875	22.2	1.000	25.4	1.062	27.0
15	20-24	.938	23.8	1.062	27.0	1.125	28.6
16	22-24	1.000	25.4	1.125	28.6	1.188	30.2
17	22-24	1.062	27.0	1.188	30.2	1.250	31.8
18	24	1.125	28.6	1.250	31.8	1.312	33.3
20	-	1.250	31.8	1.375	34.9	1.438	36.5
22	-	1.375	34.9	1.500	38.1	1.562	39.7
24	-	1.500	38.1	1.625	41.3	1.688	42.9

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included. See **Maximum Entry Size** for details.*



Shell Size	A Thread	øB Max in	øB Max mm
9 (A)	M12X1.0-6H	.94	24.8
11 (B)	M15X1.0-6H	1.06	26.9
13 (C)	M18X1.0-6H	1.17	29.7
15 (D)	M22X1.0-6H	1.29	32.7
17 (E)	M25X1.0-6H	1.42	36.1
19 (F)	M28X1.0-6H	1.54	39.1
21 (G)	M31X1.0-6H	1.67	42.4
23 (H)	M34X1.0-6H	2.01	51.1
25 (J)	M37X1.0-6H	2.12	53.8

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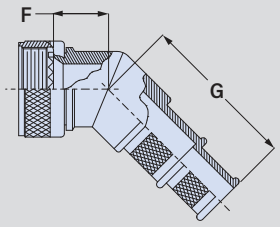
Series 44 Banding Backshells

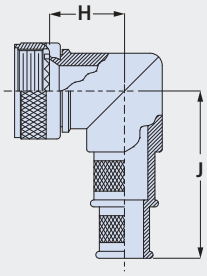
for MIL-DTL-38999 Series III and IV Connectors

440H*072 Banding Backshell, Dual Band

Profile H
Cut/Weld 45°



Profile J
Cut/Weld 90°



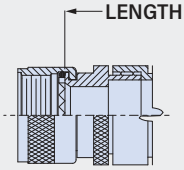
Shell Size	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm
9 (A)	.795	20.2	1.328	33.7	.906	23.0	1.438	36.5
11 (B)	.820	20.8	1.358	34.4	.966	24.5	1.498	38.0
13 (C)	.844	21.4	1.378	35.0	1.026	26.1	1.558	39.6
15 (D)	.861	21.9	1.408	35.8	1.076	27.3	1.628	41.4
17 (E)	.888	22.6	1.428	36.3	1.136	28.9	1.688	42.9
19 (F)	.904	23.0	1.438	36.5	1.176	29.9	1.708	43.4
21 (G)	.929	23.6	1.458	37.0	1.236	31.4	1.768	44.9
23 (H)	.956	24.3	1.498	38.0	1.296	32.9	1.848	46.9
25 (J)	.979	24.9	1.528	38.8	1.356	34.4	1.918	48.7

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

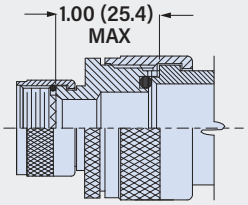
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9(A)	04	19(F)	14
11(B)	06	21(G)	16
13(C)	08	23(H)	18
15(D)	10	25(J)	20
17(E)	12		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by one inch.

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

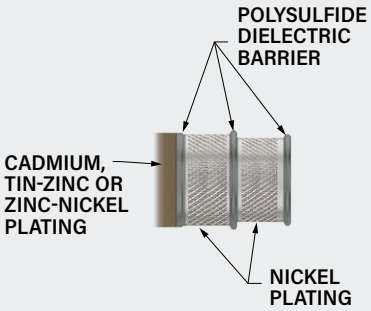
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective nickel plating on banding surfaces prevents galvanic mismatch between nickel-coated braid shield and backshell plating. Polysulfide stripes provide dielectric barriers.

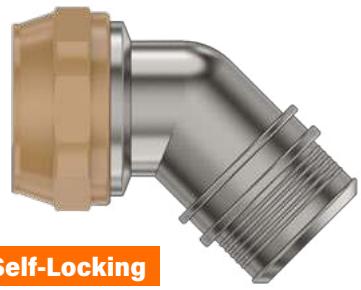
⚠ *Plating codes NF, ZR and TZ only*



Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

447H*325 Banding Backshell, Composite, Shrink Boot



Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Composite. Banding. Self-locking. 447H*325 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Glass-reinforced thermoplastic.

PART NUMBER

	447HS325	XM	17	12	D	K	T	S

Base P/N

Base Part No.		Profile
447HS325	S	Straight
447HT325	T	45°
447HW325	W	90°

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

Coupling nut is unplated.

Shell Size

Shell Size	9 A	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size — *See Table 1*

Drain Holes — *Omit if not required*
D Drain Holes

Band — *Omit if not required*
K Pre-Coiled Band Included With Backshell

Shrink Boot — *Omit if not required*
T Shrink Boot Included With Backshell

Slot — *Omit if not required*
S Pigtail Termination Slots

TABLE 1: ENTRY SIZE

Entry Size	Cable Entry ± .03(0.8) in	Cable Entry ± .03(0.8) mm	Shell Sizes	Entry Size	Cable Entry ± .03(0.8) in	Cable Entry ± .03(0.8) mm	Shell Sizes
03	.19	4.8	09-25	12	.75	19.1	17-25
04	.25	6.4	09-25	13	.81	20.6	19-25
05	.31	7.9	11-25	14	.88	22.4	21-25
06	.38	9.7	11-25	15	.94	23.9	21-25
07	.44	11.2	13-25	16	1.00	25.4	23-25
08	.50	12.7	13-25	17	1.06	26.9	23-25
09	.56	14.2	15-25	18	1.13	28.7	25
10	.63	16.0	15-25	19	1.19	30.2	25
11	.69	17.5	17-25				

BAND

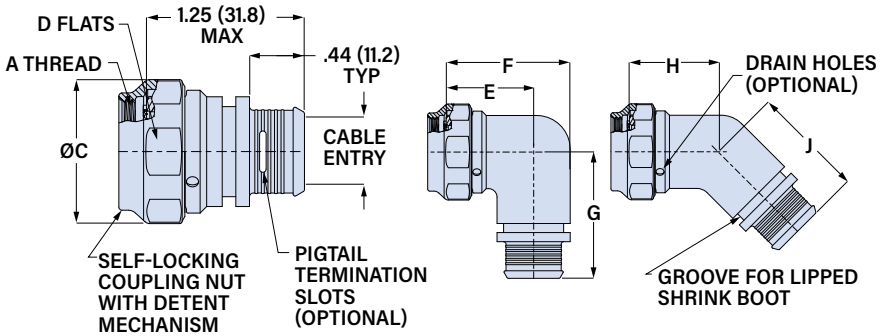
Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Std. Band
601-041

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.

S Straight **W** 90° **T** 45°



Shell Size	A Thread	øB Max in	øB Max mm	D Flats in	D Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	H ± .06(1.5) in	H ± .06(1.5) mm	J ± .06(1.5) in	J ± .06(1.5) mm	Max Entry Size
9 (A)	M12X1.0-6H	.86	21.8	.75	19.1	.69	17.5	.88	22.4	1.19	30.2	.72	18.3	1.00	25.4	04
11 (B)	M15X1.0-6H	.98	24.9	.88	22.4	.75	19.1	1.00	25.4	1.25	31.8	.75	19.1	1.06	26.9	06
13 (C)	M18X1.0-6H	1.16	29.5	1.00	25.4	.81	20.6	1.13	28.7	1.31	33.3	.75	19.1	1.13	28.7	08
15 (D)	M22X1.0-6H	1.28	32.5	1.13	28.7	.88	22.4	1.31	33.3	1.38	35.1	.76	19.3	1.16	29.5	10
17 (E)	M25X1.0-6H	1.41	35.8	1.25	31.8	.94	23.9	1.38	35.1	1.44	36.6	.78	19.8	1.18	30.0	12
19 (F)	M28X1.0-6H	1.52	38.6	1.38	35.1	.97	24.6	1.44	36.6	1.47	37.3	.79	20.1	1.19	30.2	13
21 (G)	M31X1.0-6H	1.64	41.7	1.50	38.1	1.06	26.9	1.63	41.4	1.56	39.6	.82	20.8	1.22	31.0	15
23 (H)	M34X1.0-6H	1.77	45.0	1.63	41.4	1.13	28.7	1.75	44.5	1.63	41.4	.86	21.8	1.26	32.0	17
25 (J)	M37X1.0-6H	1.89	48.0	1.75	44.5	1.19	30.2	1.88	47.8	1.69	42.9	.89	22.6	1.29	32.8	19

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Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

447H*326 Banding Backshell, Composite, Shrink Boot, Micro Band

Self-Locking

Micro Band

Composite. Micro band. Self-locking. 447H*326 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional micro band strap. Optional shrink boot adds strain relief and environmental protection. Glass-reinforced thermoplastic.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

PART NUMBER

	447HS326	XM	19	10	D	K	T	S

Base P/N

BasePartNo.		Profile
447HS326	S	Straight
447HT326	T	45°
447HW326	W	90°

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

Coupling nut is unplated.

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size — *See Table 1*

Drain Holes

Omit if not required
D Drain Holes

Band

Omit if not required
K Pre-Coiled Micro Band Included With Backshell

Shrink Boot

Omit if not required
T Shrink Boot Included With Backshell

Slot

Omit if not required
S Pigtail Termination Slots

TABLE 1: ENTRY SIZE

Entry Size	Cable Entry ± .03 (0.8) in	Cable Entry ± .03 (0.8) mm	øL ± .015(0.4) in	øL ± .015(0.4) mm	øM ± .015(0.4) in	øM ± .015(0.4) mm	Shell Sizes
02	.13	3.3	.250	6.4	.386	9.8	09-25
03	.19	4.8	.316	8.0	.452	11.5	09-25
04	.25	6.4	.382	9.7	.510	13.0	09-25
05	.31	7.9	.448	11.4	.584	14.8	11-25
06	.38	9.7	.515	13.1	.651	16.5	11-25
07	.44	11.2	.582	14.8	.718	18.2	13-25
08	.50	12.7	.647	16.4	.783	19.9	13-25
09	.56	14.2	.713	18.1	.849	21.6	15-25
10	.63	16.0	.780	19.8	.873	22.2	15-25
11	.69	17.5	.847	21.5	.983	25.0	17-25
12	.75	19.1	.913	23.2	1.049	26.6	17-25
13	.81	20.6	.979	24.9	1.115	28.3	19-25
14	.88	22.4	1.054	26.8	1.190	30.2	21-25
15	.94	23.9	1.115	28.3	1.251	31.8	21-25
16	1.00	25.4	1.183	30.0	1.319	33.5	23-25
17	1.06	26.9	1.251	31.8	1.387	35.2	23-25
18	1.13	28.7	1.320	33.5	1.456	37.0	25
19	1.19	30.2	1.389	35.3	1.525	38.7	25

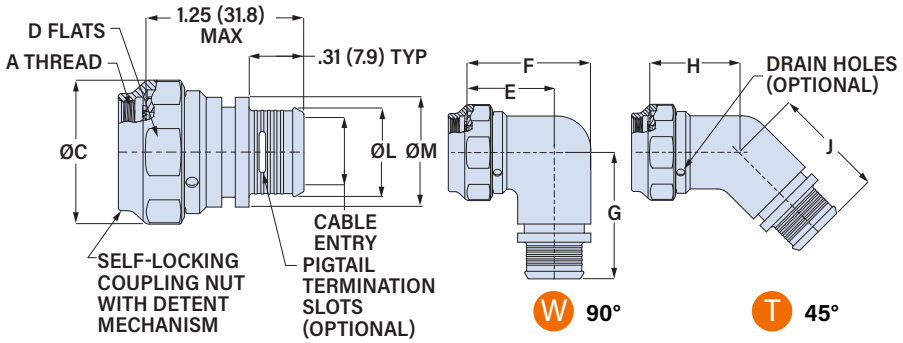
MICRO BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Entry Sizes	Pre-Coiled Band P/N	Length
02 - 08	601-061	8.13 (206)
09 - 19	601-065	14.25 (362)

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.



Shell Size	A Thread	øB Max in	øB Max mm	D Hex Flats in	D Hex Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G ± .09(2.3) in	G ± .09(2.3) mm	H ± .06(1.5) in	H ± .06(1.5) mm	J ± .09(2.3) in	J ± .09(2.3) mm	Max Entry Size
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.06	26.9	.72	18.3	.87	22.1	04
11 (B)	M15X1.0-6H	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.13	28.7	.75	19.1	.93	23.6	06
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.19	30.2	.75	19.1	1.00	25.4	08
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.25	31.8	.76	19.3	1.03	26.2	10
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.31	33.3	.78	19.8	1.05	26.7	12
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.38	35.0	.79	20.1	1.06	26.9	13
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.48	37.6	.82	20.8	1.09	27.7	15
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.54	39.1	.86	21.8	1.13	28.7	17
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.60	40.6	.89	22.6	1.16	29.5	19

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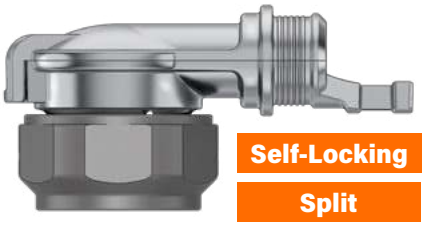
Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

440H*143 Banding Backshell, Composite, Shrink Boot, Ultra Low Profile 90°

Self-Locking

Solid



Self-Locking

Split

Ultra low-profile 90°. Composite. Self-locking. Micro band. Elliptical entry. Qwik-Ty®. 440F*143 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Split version has lid for wiring access. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional micro band strap. Optional shrink boot adds strain relief. Glass-reinforced thermoplastic.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

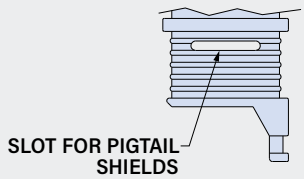
Band P/N	Length
601-060	8.13 (206)

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils. -75 to +150 °C operating temperature.

FIGURE 1: SLOTS

Optional pigtail shield termination slots are located on banding platform. Profile E split version has one slot. Profile W solid version has two slots.



PART NUMBER

	440HE143	XM	19	D	B	T	S

Base P/N

Base Part No.		Profile
440HE143	E	90° Split
440HW143	W	90° Solid

Finish

- **XM** Electroless Nickel
- **XMT** Nickel-PTFE
- **XW** Olive Drab Cadmium
- **XTZ** Tin-Zinc

Coupling nut is unplated, black color.

Shell Size

Shell Size	9 (A)	11 (B)	13 (C)	15 (D)	17 (E)	19 (F)	21 (G)	23 (H)	25 (J)
Size Code	09	11	13	15	17	19	21	23	25

Drain Holes

Omit if not required

- **D** Drain Holes

Band

Omit if not required

- **B** Micro Band Included (supplied flat/uncoiled)

Shrink Boot

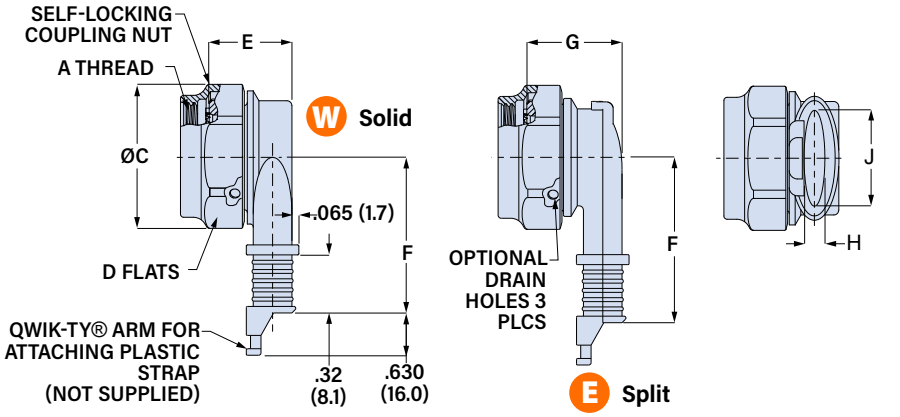
Omit if not required

- **T** Shrink Boot Included

Slot

Omit if not required. See Figure 1.

- **S** Pigtail Termination Slots



Shell Size	Profile	A Thread	øC Max in	øC Max mm	D Hex Flats in	D Hex Flats mm	F E Max in	F E Max mm	F ±.03(0.8) in	F ±.03(0.8) mm	G Max in	G Max mm	H ±.06 (1.5) in	H ±.06 (1.5) mm	J ±.09 (2.3) in	J ±.09 (2.3) mm
9 (A)	E, W	M12X1.0-6H	.86	21.8	.750	19.1	.63	16.0	1.042	26.5	.81	20.6	.160	4.1	.304	7.7
11 (B)	E, W	M15X1.0-6H	.98	24.9	.875	22.2	.66	16.8	1.107	28.1	.81	20.6	.174	4.4	.432	11.0
13 (C)	E, W	M18X1.0-6H	1.16	29.5	1.000	25.4	.72	18.3	1.174	29.8	.82	20.8	.195	5.0	.546	13.9
15 (D)	E, W	M22X1.0-6H	1.28	32.5	1.125	28.6	.83	21.1	1.241	31.5	.88	22.4	.315	8.0	.670	17.0
17 (E)	E, W	M25X1.0-6H	1.41	35.8	1.250	31.8	.91	23.1	1.305	33.1	.93	23.6	.385	9.8	.796	20.2
19 (F)	E, W	M28X1.0-6H	1.52	38.6	1.375	34.9	.93	23.6	1.371	34.8	.99	25.1	.445	11.3	.902	22.9
21 (G)	E, W	M31X1.0-6H	1.64	41.7	1.500	38.1	1.04	26.4	1.438	36.5	1.06	26.9	.525	13.3	1.027	26.1
23 (H)	E, W	M34X1.0-6H	1.77	45.0	1.625	41.3	1.12	28.4	1.505	38.2	1.13	28.7	.595	15.1	1.152	29.3
25 (J)	E	M37X1.0-6H	1.89	48.0	1.750	44.5	N/A	N/A	1.850	47.0	1.05	26.7	.450	11.4	1.460	37.1
25 (J)	W	M37X1.0-6H	1.89	48.0	1.75	44.5	1.18	30.0	1.572	39.9	N/A	N/A	.655	16.6	1.276	32.4

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Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

447H*531 Banding Backshell, Shrink Boot, Spanner Nut

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Self-locking. Impact resistant coupling nut. 447H*531 banding backshell fits MIL-DTL-38999 Series III/IV connectors. Impact resistant coupling nut has 2.8 mm spanner wrench holes. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Attach shielding and overbraid sleeving to backshell with band strap (not supplied). Shrink boot (not supplied) adds strain relief and environmental protection. Aluminum or stainless steel with thermoplastic anti-decoupling spring and SST retainer ring.

PART NUMBER

	447HS531	Z1	19	10	B	L	-157

Base P/N

Base Part No.		Profile
447HS531	S	Straight
447HJ531	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Shell Size	9 A	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size — *See Table 1*

Length — *Applies to Profile S only. See Table 2.*
A B C D

Slot — *Omit if not required. See Figure 1.*
L Slots for Individual Shields

Teflon Coating — *Omit if not required.*
-157 Teflon Coating on Inside Surface

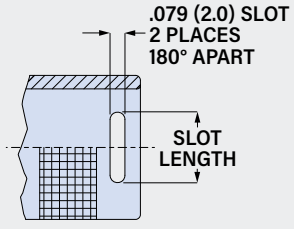
TABLE 1: ENTRY SIZE

Entry Size	øE ± .015 (0.4) in	øE mm	øF ± .015 (0.4) in	øF mm	øG ± .015 (0.4) in	øG mm	Shell Sizes
03	.185	4.7	.303	7.7	.480	12.2	09-15
04	.252	6.4	.370	9.4	.551	14.0	09-17
05	.311	7.9	.433	11.0	.610	15.5	09-21
06	.374	9.5	.496	12.6	.673	17.1	11-23
07	.437	11.1	.555	14.1	.736	18.7	11-25
08	.500	12.7	.618	15.7	.800	20.3	13-25
10	.626	15.9	.744	18.9	.925	23.5	15-25
12	.752	19.1	.866	22.0	1.051	26.7	17-25
14	.874	22.2	.992	25.2	1.173	29.8	19-25
16	1.004	25.5	1.118	28.4	1.300	33.0	21-25
18	1.126	28.6	1.240	31.5	1.425	36.2	23-25
20	1.252	31.8	1.366	34.7	1.551	39.4	25

TABLE 2: LENGTH CODE

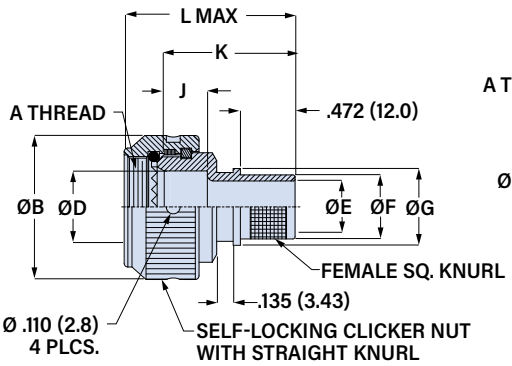
Length Code	J in	J mm	K Max in	K Max mm	L Max in	L Max mm
A	.291	7.4	1.035	26.3	1.362	34.6
B	.606	15.4	1.350	34.3	1.677	42.6
C	.803	20.4	1.547	39.3	1.874	47.6
D	1.197	30.4	1.941	49.3	2.768	57.6

FIGURE 1: SLOT OPTION (L)

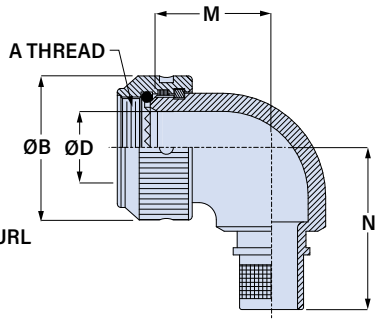


Entry Size	Slot Length in	Slot Length mm
03, 04, 05	.157	4.0
06, 07, 08	.276	7.0
10, 12	.433	11.0
14, 16	.472	12.0
18, 20	.551	14.0

S Straight



J 90°



Shell Size	A Thread	øB Max in	øB Max mm	øD Min in	øD Min mm	M Max in	M Max mm	N Max in	N Max mm	Max Entry Size
9 (A)	M12X1.0-6H	.858	21.8	.264	6.7	.553	14.1	1.222	31.1	05
11 (B)	M15X1.0-6H	.984	25.0	.380	9.7	.622	15.8	1.347	34.2	07
13 (C)	M18X1.0-6H	1.157	29.4	.494	12.6	.683	17.4	1.494	38.0	08
15 (D)	M22X1.0-6H	1.280	32.5	.620	15.6	.744	18.9	1.561	40.0	10
17 (E)	M25X1.0-6H	1.406	35.7	.746	19.0	.799	20.3	1.624	41.3	12
19 (F)	M28X1.0-6H	1.516	38.5	.833	21.1	.846	21.5	1.722	43.8	14
21 (G)	M31X1.0-6H	1.642	41.7	.959	24.4	1.047	26.6	1.847	46.9	16
23 (H)	M34X1.0-6H	1.768	44.9	1.081	27.5	.969	24.6	1.972	50.1	18
25 (J)	M37X1.0-6H	1.890	48.0	1.207	30.7	1.047	26.6	2.098	53.3	20

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Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

443H*024 Banding Backshell, Shrouded Environmental

Self-Locking

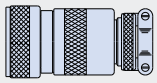
Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

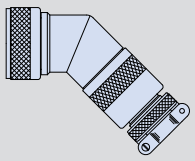
Environmental. "Band-in-a-Can" shield termination. Saddle clamp. 443H*024 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield with band strap (not supplied). Environmentally sealed with O-rings and cable grommet. Aluminum or stainless steel. Saddle clamp hardware is passivated SST. Silicone O-rings. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

PROFILE SELECTION GUIDE

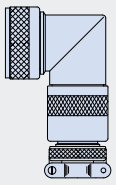
S Straight



H 45°



J 90°



PART NUMBER

	443HS024	NF	19	06-	3	S

Base P/N

Base Part No.		Profile
443HS024	S	Straight
443HH024	H	45°
443HJ024	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
ZM	SST/ Electroless Nickel

Shell Size

Shell Size	9 A	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size — *See Table 1*

Length

2	1.0 inch
3	1.5 inches
4	2.0 inches
6	3.0 inches

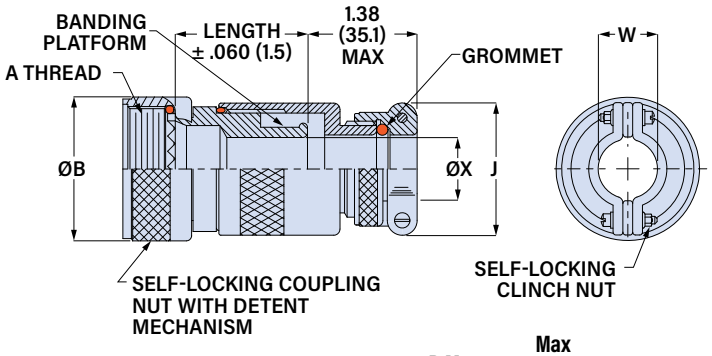
Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size", then 1.5 inch minimum applies.

Self-Locking — S — Self-Locking Coupling Nut

TABLE 1: ENTRY SIZE

Entry Size	Cable Range Min. in	Min. mm	Max. in	Max. mm	J Max. in	J Max. mm	W Closed in	W Closed mm	ø X Min in	ø X Min mm	Shell Sizes*
01	.125	3.2	.250	6.4	1.05	26.7	.264	6.7	.25	6.4	09-25
02	.188	4.8	.375	9.5	1.20	30.5	.344	8.7	.37	9.4	11-25
03	.312	7.9	.438	11.1	1.30	33.0	.460	11.7	.43	10.9	13-25
04	.343	8.7	.500	12.7	1.44	36.6	.545	13.8	.50	12.7	13-25
05	.438	11.1	.625	15.9	1.69	42.9	.698	17.7	.62	15.7	15-25
06	.562	14.3	.750	19.1	1.77	45.0	.780	19.8	.75	19.1	17-25
07	.688	17.5	.875	22.2	2.12	53.8	.950	24.1	.87	22.1	19-25
08	.812	20.6	1.000	25.4	2.50	63.5	1.015	25.8	1.00	25.4	21-25
09	.938	23.8	1.125	28.6	2.62	66.5	1.187	30.1	1.12	28.4	23-25
10	1.062	27.0	1.250	31.8	2.68	68.1	1.220	31.0	1.25	31.8	—
11	1.125	28.6	1.375	34.9	3.00	76.2	1.500	38.1	1.38	35.1	—
12	1.250	31.8	1.500	38.1	3.50	88.9	1.625	41.3	1.50	38.1	—

** If Entry Size exceeds the shell size range in this table, the backshell will include a "Style 2" adapter. See "Maximum Entry Size" on next page.*



Shell Size	A Thread	øB Max in	øB Max mm	Max Entry Size*
9 (A)	M12X1.0-6H	.94	24.8	01
11 (B)	M15X1.0-6H	1.06	26.9	02
13 (C)	M18X1.0-6H	1.17	29.7	04
15 (D)	M22X1.0-6H	1.29	32.7	05
17 (E)	M25X1.0-6H	1.42	36.1	06
19 (F)	M28X1.0-6H	1.54	39.1	07
21 (G)	M31X1.0-6H	1.67	42.4	08
23 (H)	M34X1.0-6H	2.01	51.1	09
25 (J)	M37X1.0-6H	2.12	53.8	09

** If Entry Size exceeds the Max Entry Size in this table, the backshell will include a "Style 2" adapter. See "Maximum Entry Size" on next page.*

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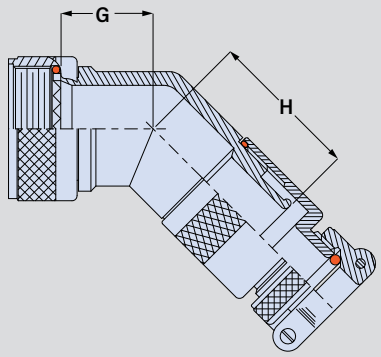
Series 44 Banding Backshells

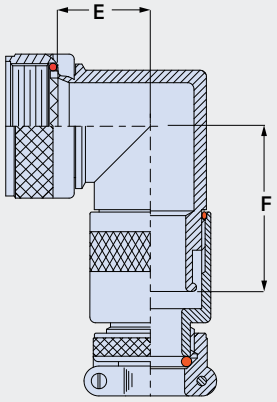
for MIL-DTL-38999 Series III and IV Connectors

443H*024 Banding Backshell, Shrouded Environmental

Profile H
Cut/Weld 45°



Profile J
Cut/Weld 90°



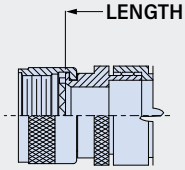
Shell Size	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm
9 (A)	.75	19.1	1.50	38.1	.639	16.2	1.380	35.1
11 (B)	.81	20.6	1.55	39.4	.664	16.9	1.410	35.8
13 (C)	.87	22.1	1.61	40.9	.688	17.5	1.430	36.3
15 (D)	.92	23.4	1.68	42.7	.705	17.9	1.460	37.1
17 (E)	.98	24.9	1.74	44.2	.732	18.6	1.480	37.6
19 (F)	1.02	25.9	1.76	44.7	.748	19.0	1.490	37.8
21 (G)	1.08	27.4	1.82	46.2	.773	19.6	1.510	38.4
23 (H)	1.14	29.0	1.90	48.3	.800	20.3	1.550	39.4
25 (J)	1.20	30.5	1.97	50.0	.823	20.9	1.580	40.1

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

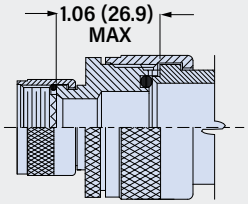
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
9(A)	01	19(F)	07
11(B)	02	21(G)	08
13(C)	04	23(H)	09
15(D)	05	25(J)	09
17(E)	06		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 2 (1 inch) to 4 (2 inches).

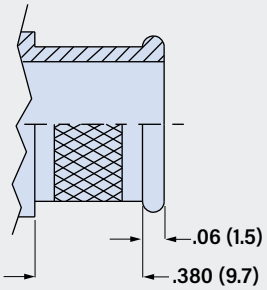
Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.06 inches.

BAND

SST band strap (not included, ordered separately) provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

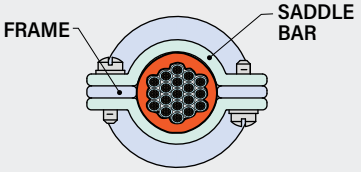


Band
601-041

Banding Tool
601-100

APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp.



FULL RADIUS SADDLE CLAMP
SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

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Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

443H*042 Banding Backshell, Shrouded, Expanded Clearance

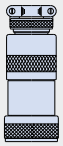
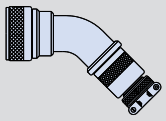
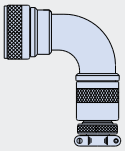
Self-Locking

Prevents splaying of size 8 twinax, quadrax and octaxial contacts. Environmental. "Band-in-a-Can" shield termination. Saddle clamp. 443H*042 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Backshell has increased clearance for D38999/62 sealing boot used with size 8 data contacts. Optional organizer bushing provides additional protection against contact splay. 45° and 90° profiles have large radius elbows for minimized bending of data cables. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield with band strap (optional). Environmentally sealed with O-rings. Aluminum or stainless steel. Saddle clamp hardware is passivated SST. Silicone O-rings and grommet. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

PROFILE SELECTION GUIDE

S Straight	M 45°	N 90°
		

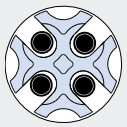
ORGANIZER BUSHING

Optional organizer bushing provides additional protection against contact splay and mating damage. Bushing fits MIL-DTL-38999/62 sealing boots. PEI thermoplastic, black.

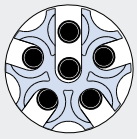
17-3

17-22

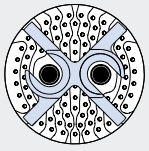
19-19



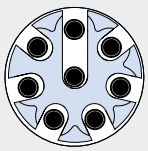
21-76



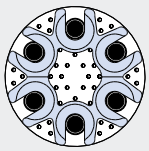
23-6



25-7



25-8



25-17

PART NUMBER

	443HS042	M	19	06	-4	K	P

Base P/N

Base Part No.		Profile
443HS042	S	Straight
443HM042	M	45°
443HN042	N	90°

Material / Finish

ME	Aluminum / Electroless Nickel
MT	Aluminum / Nickel-PTFE
NF	Aluminum / Olive Drab Cadmium
ZR	Aluminum / Black Zinc-Nickel
TZ	Aluminum / Tin-Zinc
Z1	Stainless Steel / Passivated

Shell Size and Arrangement

Shell Size /Arrang.	Shell Size	Organizer Bushing	Shell Size /Arrang.	Shell Size	Organizer Bushing
09	9 (A)	No	21	21 (G)	No
11	11 (B)	No	21-76	21 (G)	21-76
13	13 (C)	No	23	23 (H)	No
15	15 (D)	No	23-6	23 (H)	23-6
17	17 (E)	No	25	25 (J)	No
17-3	17 (E)	17-3	25-7	25 (J)	25-7
17-22	17 (E)	17-22	25-8	25 (J)	25-8
19	19 (F)	No	25-17	25 (J)	25-17
19-19	19 (F)	19-19			

Entry Size

Size	Cable Range Min	Cable Range Max	Shell Sizes
01	.125 (3.2)	.250 (6.4)	09-25
02	.188 (4.8)	.375 (9.5)	11-25
03	.312 (7.9)	.438 (11.1)	13-25
04	.343 (8.7)	.500 (12.7)	13-25
05	.438 (11.1)	.625 (15.9)	15-25
06	.562 (14.3)	.750 (19.1)	17-25
07	.688 (17.5)	.875 (22.2)	19-25
08	.812 (20.6)	1.000 (25.4)	21-25
09	.938 (23.8)	1.125 (28.6)	23-25

Length

-4	2.0 inches
-5	2.5 inches
-6	3.0 inches
-7	3.5 inches

Length Code applies to Profile S only. Length in ½ inch increments, 2 inch minimum. Omit for 45° and 90° profiles.

Band

Omit if not required

K	Pre-Coiled Band Included

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P	Nickel Plated Shield Termination Area with Polysulfide Barrier

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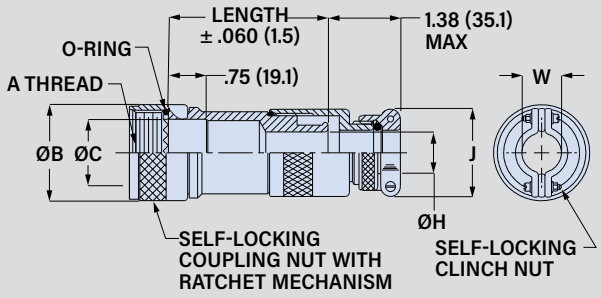
Series 44 EMI Banding Backshells

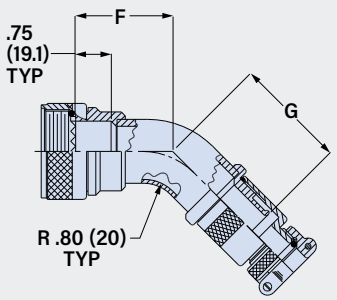
for MIL-DTL-38999 Series III and IV Connectors

443H*042 Banding Backshell, Shrouded, Expanded Clearance

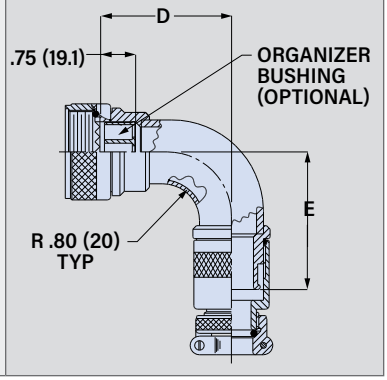
Profile S
Straight



Profile M
45°

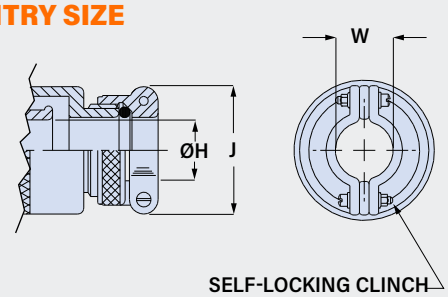


Profile N
90°



Shell Size	A Thread	øB Max in	øB Max mm	øC Min in	øC Min mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	Max Entry Size
9 (A)	M12X1.0-6H	.94	23.9	.372	9.4	1.893	48.1	1.903	48.3	1.433	36.4	1.443	36.7	01
11 (B)	M15X1.0-6H	1.06	26.9	.470	11.9	1.955	49.7	1.965	49.9	1.460	37.1	1.470	37.3	02
13 (C)	M18X1.0-6H	1.17	29.7	.584	14.8	2.107	53.5	2.117	53.8	1.485	37.7	1.495	38.0	04
15 (D)	M22X1.0-6H	1.29	32.8	.709	18.0	2.170	55.1	2.180	55.4	1.541	39.1	1.551	39.4	05
17 (E)	M25X1.0-6H	1.42	36.1	.834	21.2	2.275	57.8	2.285	58.0	1.580	40.1	1.590	40.4	06
19 (F)	M28X1.0-6H	1.54	39.1	.940	23.9	2.338	59.4	2.348	59.6	1.606	40.8	1.616	41.0	07
21 (G)	M31X1.0-6H	1.67	42.4	1.065	27.1	2.399	60.9	2.409	61.2	1.588	40.3	1.598	40.6	08
23 (H)	M34X1.0-6H	2.01	51.1	1.190	30.2	2.420	61.5	2.430	61.7	1.610	40.9	1.620	41.1	09
25 (J)	M37X1.0-6H	2.12	53.8	1.320	33.5	2.525	64.1	2.535	64.4	1.641	41.7	1.651	41.9	09

ENTRY SIZE



Entry Size	Cable Range Min. in	Min. mm	Max. in	Max. mm	J Max. in	J Max. mm	W Closed in	W Closed mm	ø H in	ø H mm	Shell Sizes
01	.125	3.2	.250	6.4	1.05	26.7	.264	6.7	.25	6.4	09-25
02	.188	4.8	.375	9.5	1.20	30.5	.344	8.7	.37	9.4	11-25
03	.312	7.9	.438	11.1	1.30	33.0	.460	11.7	.43	10.9	13-25
04	.343	8.7	.500	12.7	1.44	36.6	.545	13.8	.50	12.7	13-25
05	.438	11.1	.625	15.9	1.69	42.9	.698	17.7	.62	15.7	15-25
06	.562	14.3	.750	19.1	1.77	45.0	.780	19.8	.75	19.1	17-25
07	.688	17.5	.875	22.2	2.12	53.8	.950	24.1	.87	22.1	19-25
08	.812	20.6	1.000	25.4	2.50	63.5	1.015	25.8	1.00	25.4	21-25
09	.938	23.8	1.125	28.6	2.62	66.5	1.187	30.1	1.12	28.4	23-25

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

The Band-Master ATS® Advanced Cable Shield Termination System provides excellent static loading and corrosion resistance in electrical wire interconnect systems.

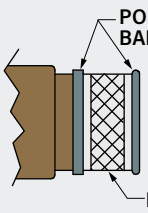
Band
601-041

Banding Tool
601-100

POLYSULFIDE

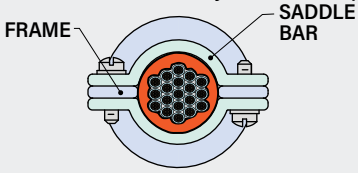
Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



APPLICATION NOTE

This backshell has a full radius saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp.



FULL RADIUS
SADDLE CLAMP
SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

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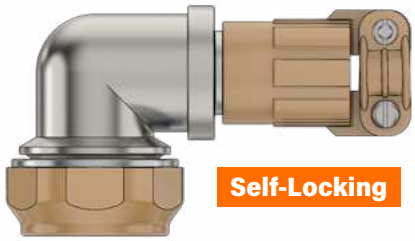
Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

447H*328 Banding Backshell, Composite, Shrouded



Self-Locking

Lightweight. Composite. Band-in-a-Can shield termination. 447H*328 banding backshell fits MIL-DTL-38999 Series III and IV connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Glass-reinforced thermoplastic.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Std. Band
601-041

PART NUMBER

	447HS328	XM	15	12	K	S

Base P/N

Base Part No.		Profile
447HS328	S	Straight
447HT328	T	45°
447HW328	W	90°

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XTZ	Tin-Zinc

Coupling nut and saddle clamp are unplated amber color.

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Entry Size — *See Table 1*

Band

Omit if not required
K Pre-Coiled Band Included

Slot

Omit if not required
S Pigtail Termination Slots

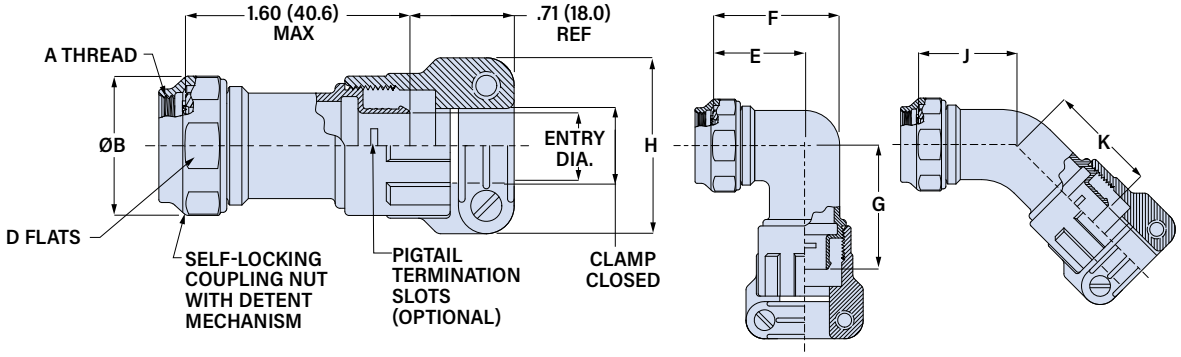


TABLE 1: ENTRY SIZE

Entry Size	Entry Dia. ± .03 (0.8) in	Entry Dia. ± .03 (0.8) mm	H ± .06 (1.5) in	H ± .06 (1.5) mm	Clamp Closed ± .03 (0.8) in	Clamp Closed ± .03 (0.8) mm	Shell Sizes
10	.22	5.6	.94	23.9	.26	6.6	09-25
12	.28	7.1	1.17	29.7	.34	8.6	11-25
14	.34	8.6	1.28	32.5	.46	11.7	13-25
16	.46	11.7	1.41	35.8	.55	14.0	15-25
18	.55	14.0	1.50	38.1	.62	15.7	17-25
20	.62	15.7	1.56	39.6	.70	17.8	17-25
22	.70	17.8	1.69	42.9	.78	19.8	21-25
24	.78	19.8	1.81	46.0	.85	21.6	23-25
28	.85	21.6	1.91	48.5	.95	24.1	25
32	.95	24.1	2.02	51.3	1.02	25.9	25

Shell Size	A Thread	øB Max in	øB Max mm	D Hex Flats in	D Hex Flats mm	E ± .06(1.5) in	E ± .06(1.5) mm	F ± .09(2.3) in	F ± .09(2.3) mm	G Max in	G Max mm	J ± .06(1.5) in	J ± .06(1.5) mm	K ± .09(2.3) in	K ± .09(2.3) mm	Max Entry Size
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	.69	17.5	.88	22.4	1.31	33.3	.72	18.3	1.15	29.2	10
11 (B)	M15X1.0-6H	.98	24.9	.875	22.2	.75	19.1	1.00	25.4	1.42	36.1	.75	19.1	1.27	32.3	12
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	.81	20.6	1.13	28.7	1.57	39.9	.75	19.1	1.33	33.8	14
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	.88	22.4	1.31	33.3	1.57	39.9	.76	19.3	1.37	34.8	16
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	.94	23.9	1.38	35.1	1.64	41.7	.78	19.8	1.39	35.3	20
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	.97	24.6	1.44	36.6	1.73	43.9	.79	20.1	1.41	35.8	20
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.06	26.9	1.63	41.4	1.82	46.2	.82	20.8	1.43	36.3	22
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.13	28.7	1.75	44.5	1.82	46.2	.86	21.8	1.47	37.3	24
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.19	30.2	1.88	47.8	1.92	48.8	.89	22.6	1.50	38.1	32

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Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

447HC659 Banding Backshell, Shrouded, Low Profile 90°

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

"Band-in-a-Can" shield termination. Low profile. Saddle clamp. 447H*659 banding backshell fits MIL-DTL-38999 Series III and IV connectors. "Cobra" style split construction with screw-on lid for easy wire routing. Terminate cable braid shield to banding platform with micro band strap. Saddle clamp provides cable strain relief. Aluminum. Saddle clamp hardware is passivated SST.

BAND

Terminate cable braid to backshell with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
10 - 16	601-061	8.13 (206)	.88 (22.4)
18 - 20	601-065	14.25 (362)	1.88 (47.8)

PART NUMBER

	447HC659	M	19	14	K

Base P/N 447HC659

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc

Shell Size

Shell Size	9 A	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	09	11	13	15	17	19	21	23	25

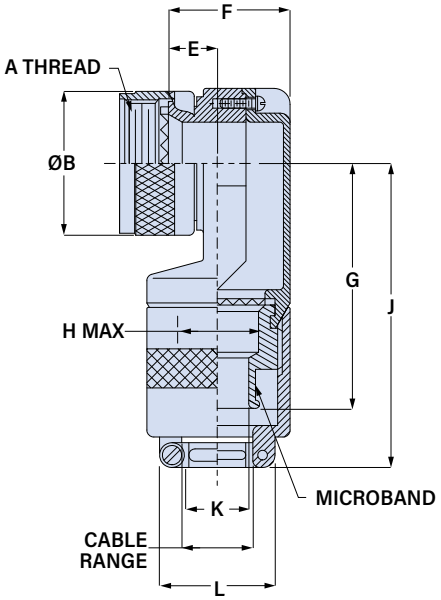
Entry Size

Entry Size	Cable Range Inches Min.	Inches Max.	mm Min.	mm Max.	Shell Sizes
10	.130	.250	3.3	6.4	09-25
12	.250	.380	6.4	9.7	11-25
14	.310	.440	7.9	11.2	15-25
16	.375	.630	9.5	16.0	17-25
18	.560	.690	14.2	17.5	23-25
20	.630	.750	16.0	19.1	23-25

Band

Omit if not required

K	Pre-Coiled Band Included With Backshell



Shell Size	A Thread	øB Max in	øB Max mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm	Max Entry Size
9 (A)	M12X1.0-6H	.770	19.6	.34	8.6	.681	17.3	1.62	41.1	.25	6.4	2.12	53.8	10
11 (B)	M15X1.0-6H	.820	22.4	.27	6.9	.731	18.6	1.78	45.2	.38	9.5	2.28	57.9	12
13 (C)	M18X1.0-6H	.940	23.9	.27	6.9	.731	18.6	1.78	45.2	.38	9.5	2.28	57.9	12
15 (D)	M22X1.0-6H	1.07	27.2	.28	7.1	.831	21.1	1.85	47.0	.50	12.7	2.35	59.7	14
17 (E)	M25X1.0-6H	1.210	30.7	.42	10.7	.981	24.9	1.90	48.3	.63	15.9	2.40	61.0	16
19 (F)	M28X1.0-6H	1.360	34.5	.64	16.3	1.181	30.0	1.93	49.0	.63	15.9	2.43	61.7	16
21 (G)	M31X1.0-6H	1.480	37.6	.64	16.3	1.181	30.0	1.93	49.0	.63	15.9	2.43	61.7	16
23 (H)	M34X1.0-6H	1.600	40.6	.54	13.7	1.181	30.0	2.08	52.8	.75	19.1	2.58	65.5	20
25 (J)	M37X1.0-6H	1.700	43.2	.54	13.7	1.181	30.0	2.08	52.8	.75	19.1	2.58	65.5	20

Entry Size	ø K ± .03 (0.8) in	ø K ± .03 (0.8) mm	L Max in	L Max mm	Cable Range Inches Min.	Cable Range Inches Max.	Cable Range mm Min.	Cable Range mm Max.	Shell Sizes
10	.22	5.6	1.00	25.4	.130	.250	3.3	6.4	09-25
12	.31	7.9	1.25	31.8	.250	.380	6.4	9.7	13-25
14	.44	11.2	1.34	34.0	.310	.440	7.9	11.2	15-25
16	.56	14.2	1.47	37.3	.375	.630	9.5	16.0	17-25
18	.63	16.0	1.56	38.1	.560	.690	14.2	17.5	23-25
20	.75	19.1	1.62	41.1	.630	.750	16.0	19.1	23-25

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Series 44 Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

447HS523 Banding/ Overmolding Adapter

Low Profile. Micro band. Environmental. 447HS523 banding/overmolding adapter fits MIL-DTL-38999 Series III and IV connectors. Terminate cable braid shield to adapter with .125" width micro band (sold separately). Aluminum or stainless steel, silicone O-ring.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

BAND

Terminate cable braid to adapter with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

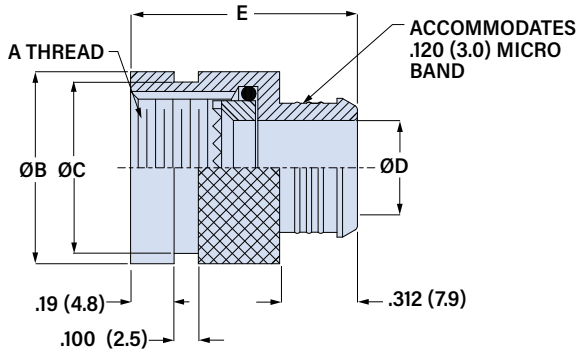
Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max. Dia.
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.80 (45.7)

PART NUMBER

		447HS523	M	18
Base P/N	447HS523			
Material/Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc Z1 SST/ Passivated			

Shell Size	9	11	13	15	17	19	21	23	25
Size	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25



Shell Size	A Thread	øB ± .015 (0.4) in	øB mm	øC ± .005 (0.13) in	øC mm	øD ± .015 (0.4) in	øD mm	E ± .03 (0.8) in	E mm
9 (A)	M12X1.0-6H	.625	15.9	.562	14.3	.250	6.4	.820	20.8
11 (B)	M15X1.0-6H	.750	19.1	.687	17.4	.375	9.5	.820	20.8
13 (C)	M18X1.0-6H	.875	22.2	.812	20.6	.500	12.7	.820	20.8
15 (D)	M22X1.0-6H	1.000	25.4	.937	23.8	.625	15.9	.820	20.8
17 (E)	M25X1.0-6H	1.125	28.6	1.062	27.0	.750	19.1	.820	20.8
19 (F)	M28X1.0-6H	1.250	31.8	1.188	30.2	.875	22.2	.820	20.8
21 (G)	M31X1.0-6H	1.375	34.9	1.312	33.3	1.000	25.4	.820	20.8
23 (H)	M34X1.0-6H	1.500	38.1	1.438	36.5	1.125	28.6	.820	20.8
25 (J)	M37X1.0-6H	1.625	41.3	1.562	39.7	1.250	31.8	.820	20.8

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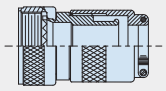
Series 44 EMI Banding Backshells

for MIL-DTL-38999 Series III and IV Connectors

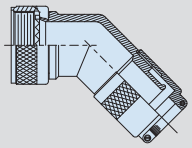
440H*039 EMI/RFI Banding Adapter for Circular Connectors

PROFILE SELECTION GUIDE

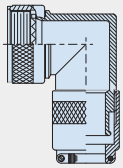
S Straight



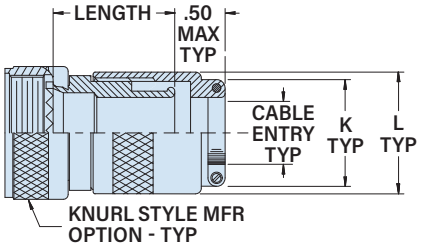
H 45°



J 90°



DIMENSIONS



PART NUMBER

	440HS039	M	17	04	-5	B

Base P/N

Base Part No.	Profile
440HS039	S Straight
440HH039	H 45°
440HJ039	J 90°

Finish Symbol

- ME Alum/ Electroless Nickel
- MT Alum/ Nickel-PTFE
- NF Alum/ Cadmium Olive Drab Over Electroless Nickel
- ZR Alum/ Zinc Nickel/ Black Over Electroless Nickel
- TZ Alum/ Tin-Zinc/ Green-Gold Over Electroless Nickel
- Z1 SST/ Passivated

Shell Size: 09 11 13 15 17 19 21 23 25

Dash No: 01 02 03 04 05 06 07 08 09 10
See Table I

Length

- 2 1.0 inch
- 3 1.5 inches
- 4 2.0 inches
- 6 3.0 inches

Applies to Profile S only. If Entry Size is greater than Maximum Entry Size on next page, then 1.5 inch minimum applies.

Band
Omit if not required

- B Band Option
- K Pre-Coiled Band

TABLE 1: ENTRY SIZE

Dash No	K MAX in	K MAX mm	L MAX in	L MAX mm	Cable Entry Min in	Cable Entry Min mm	Cable Entry Max in	Cable Entry Max mm
01	.843	21.41	.78	19.81	.125	3.18	.250	6.35
02	.968	24.59	.97	24.64	.156	3.96	.375	9.53
03	1.046	26.57	1.05	26.67	.250	6.35	.438	11.13
04	1.156	29.36	1.15	29.21	.280	7.11	.500	12.70
05	1.218	30.94	1.22	30.99	.375	9.53	.625	15.88
06	1.343	34.11	1.34	34.04	.500	12.70	.750	19.05
07	1.468	37.29	1.47	37.34	.625	15.88	.875	22.23
08	1.593	40.46	1.59	40.39	.750	19.05	1.000	25.40
09	1.718	43.64	1.72	43.69	.875	22.23	1.125	28.58
10	1.843	46.81	1.84	46.74	1.000	25.40	1.250	31.75

** If selected entry size exceeds the shell size range shown in table, a Style 2 adapter will be included. Refer to Maximum Entry Size on next page for details.*

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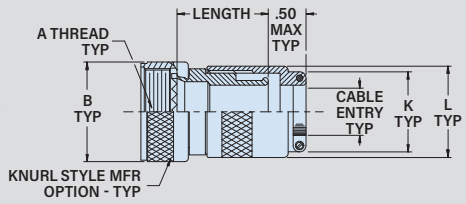
Series 44 EMI Banding Backshells

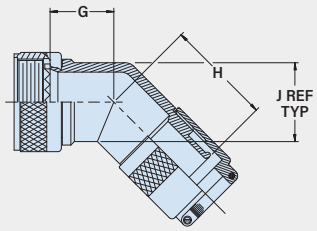
for MIL-DTL-38999 Series III and IV Connectors

440H*039 EMI/RFI Banding Adapter for Circular Connectors

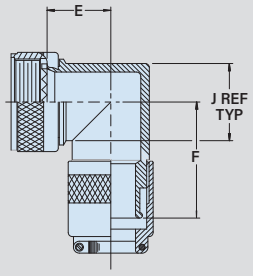
Profile S Straight



Profile H 45°



Profile J 90°



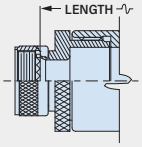
Shell Size H	E MAX in	E MAX mm	F MAX in	F MAX mm	G MAX in	G MAX mm	H MAX in	H MAX mm	J REF in	J REF mm	Max Dash No A	Max Dash No F, H, L
09	.75	19.05	1.50	38.10	.639	16.23	1.38	35.05	.45	11.43	01	01
11	.81	20.57	1.55	39.37	.664	16.87	1.41	35.81	.58	14.73	02	02
13	.87	22.10	1.61	40.89	.688	17.48	1.43	36.32	.69	17.53	04	04
15	.92	23.37	1.68	42.67	.705	17.91	1.46	37.08	.82	20.83	04	05
17	.98	24.89	1.74	44.20	.732	18.59	1.48	37.59	.94	23.88	05	06
19	1.02	25.91	1.76	44.70	.748	19.00	1.49	37.85	1.03	26.16	06	07
21	1.08	27.43	1.82	46.23	.773	19.63	1.51	38.35	1.16	29.46	07	08
23	1.14	28.96	1.90	48.26	.800	20.32	1.55	39.37	1.28	32.51	08	09
25	1.20	30.48	1.97	50.04	.823	20.90	1.58	40.13	1.41	35.81	09	10
-	1.48	37.59	2.21	56.13	1.041	26.44	1.75	44.45	1.56	39.62	10	-
-	1.61	40.89	2.30	58.42	1.092	27.74	1.79	45.47	1.78	45.21	10	-
-	1.72	43.69	2.41	61.21	1.138	28.91	1.84	46.74	2.00	50.80	10	-
-	1.83	46.48	2.52	64.01	1.184	30.07	1.88	47.75	2.21	56.13	10	-

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

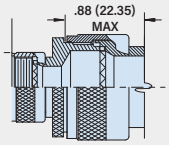
Shell Size A	Shell Size F, L	Shell Size H	Max Dash No A	Max Dash No F, H, L
08	08	09	01	01
10	10	11	02	02
12	12	13	04	04
14	14	15	04	05
16	16	17	05	06
18	18	19	06	07
20	20	21	07	08
22	22	23	08	09
24	24	25	09	10
28	-	-	10	-
32	-	-	10	-
36	-	-	10	-
40	-	-	10	-

Style 2 Straight Backshell



Style 2 profile S straight backshell minimum length code is 4 (1.5 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the front adapter adds 1 inch.

BAND

Terminate cable braid to EMI backshell with optional banding strap. Stainless steel.

Micro Band

Hand Tool
601-101

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
02 - 10	601-061	8.13 (206)	.88 (22.4)
10 - 20	601-065	14.25 (362)	1.88 (47.8)

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Series 44 Banding Backshells

for MIL-DTL-28840 Connectors

440G*058 Banding Backshell, Shrink Boot

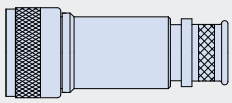
Adapter Code G

This accessory fits MIL-DTL-28840 and Glenair Series 901 Connectors

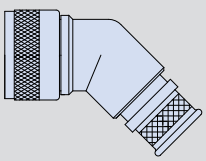
Spin coupling. Band-Master ATS® shield termination. 440G*058 banding backshell fits MIL-DTL-28840 connectors. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum or stainless steel.

PROFILE SELECTION GUIDE

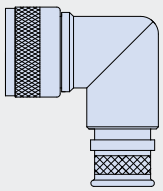
S Straight



H 45°



J 90°



PART NUMBER

	440GS058	TZ	19	06-	4	K	P	T

Base P/N

Base Part No.		Profile
440GS058	S	Straight
440GH058	H	45°
440GJ058	J	90°

Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Cadmium, Olive Drab
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated
ZU	SST/Cadmium, Black
ZTZ	SST/Tin-Zinc

Shell Size

Shell Size	11	13	15	17	19	23	25	29	33
	A	B	C	D	E	F	G	H	J
Size Code	11	13	15	17	19	23	25	29	33

Entry Size — *See Table 1*

Length

3	1.5 inches	*Applies to Profile S only.*
4	2.0 inches	*If Entry Size is greater than*
5	2.5 inches	*"Maximum Entry Size" (see table),*
6	3.0 inches	*then 2 inch minimum applies.*

Band

Omit if not required

K Pre-Coiled Band Included

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

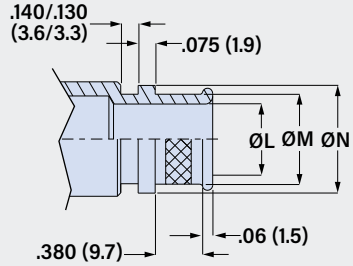
P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T	Semi-Rigid Elastomer Shrink Boot
T1	Adhesive-lined Semi-Rigid Elastomer Shrink Boot
H	Zero Halogen Shrink Boot
H1	Adhesive-lined Zero Halogen Shrink Boot

TABLE 1: ENTRY SIZE



Entry Size	Shell Sizes*	øL ± .015(0.4) in	øL ± .015(0.4) mm	øM ± .015(0.4) in	øM ± .015(0.4) mm	øN ± .015(0.4) in	øN ± .015(0.4) mm
01	11-33	.125	3.2	.250	6.4	.312	7.9
02	11-33	.250	6.4	.375	9.5	.438	11.1
03	11-33	.375	9.5	.500	12.7	.562	14.3
04	13-33	.500	12.7	.625	15.9	.687	17.4
05	15-33	.625	15.9	.750	19.1	.812	20.6
06	17-33	.750	19.1	.875	22.2	.938	23.8
07	19-33	.875	22.2	1.000	25.4	1.062	27.0
08	23-33	1.000	25.4	1.125	28.6	1.188	30.2
09	25-33	1.125	28.6	1.250	31.8	1.312	33.3
10	29-33	1.250	31.8	1.375	34.9	1.438	36.5
11	29-33	1.375	34.9	1.500	38.1	1.562	39.7
12	33	1.500	38.1	1.625	41.3	1.688	42.9
13	33	1.625	41.3	1.750	44.5	1.812	46.0
14	-	1.750	44.5	1.875	47.6	1.938	49.2
15	-	1.875	47.6	2.000	50.8	2.062	52.4
16	-	2.000	50.8	2.125	54.0	2.188	55.6

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included. See **Maximum Entry Size** for details.*

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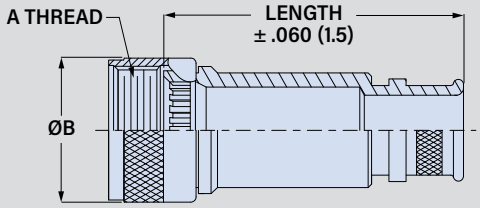
Series 44 Banding Backshells

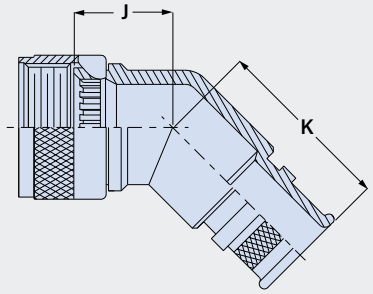
for MIL-DTL-28840 Connectors

440G*058 Banding Backshell, Shrink Boot

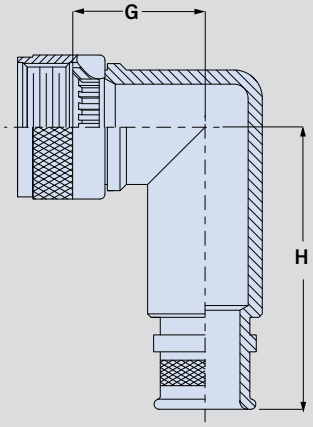
S Straight



H 45°



J 90°

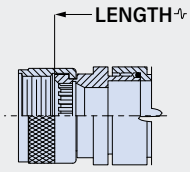


MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

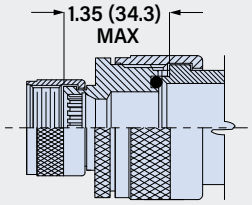
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
11(A)	03	23(F)	08
13(B)	04	25(G)	09
15(C)	05	29(H)	11
17(D)	06	33(J)	13
19(E)	07		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 ½ inches) to 4 (2 inches).

Style 2 45° and 90° Backshells



For Style 2 45° and 90° backshells, the length increases by 1.35 inches.

Size Code	Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm	K Max. in	K Max. mm	Max Entry Size
11	A (11)	.750-20 UNEF	.94	23.9	1.28	32.5	1.33	33.8	1.14	29.0	1.19	30.2	03
13	B (13)	.875-20 UNEF	1.07	27.7	1.35	34.3	1.40	35.6	1.17	29.7	1.22	31.0	04
15	C (15)	1.000-20 UNEF	1.21	30.7	1.43	36.3	1.47	37.3	1.20	30.5	1.25	31.8	05
17	D (17)	1.125-18 UNEF	1.41	35.7	1.48	37.6	1.52	38.6	1.22	31.0	1.27	32.3	06
19	E (19)	1.250-18 UNEF	1.53	38.9	1.54	39.1	1.59	40.4	1.25	31.8	1.29	32.8	07
23	F (23)	1.438-18 UNEF	1.73	43.9	1.64	41.7	1.68	42.7	1.29	32.8	1.33	33.8	08
25	G (25)	1.562-18 UNEF	1.82	46.3	1.71	43.4	1.75	44.5	1.32	33.5	1.36	34.5	09
29	H (29)	1.875-16 UN	2.14	54.4	1.82	46.2	1.87	47.5	1.37	34.8	1.41	35.8	11
33	J (33)	2.062-16 UNS	2.33	59.1	1.92	48.8	1.97	50.0	1.41	35.8	1.45	36.8	13

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

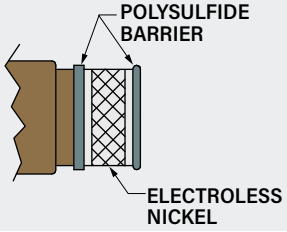
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional polysulfide dielectric coating prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection.

Code T, T1: Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Available with W1 hot melt adhesive pre-coat. Operating temperature range -75 to +150 °C (no adhesive), -55 to +125 °C (with W1 adhesive).

Code H, H1: Type 2 halogen-free polyolefin meets low smoke and toxicity requirements of shipboard, transit and aircraft systems. Available with W1 hot melt adhesive pre-coat. Operating temperature range -40 to +130 °C (no adhesive), -40 to +125 °C (with W1 adhesive).

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Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

440MS134 Banding Backshell, Shrink Boot, Direct Coupling

Direct coupling. Band-Master ATS® shield termination. 440MS134 banding backshell fits Glenair Series 80 Mighty Mouse connectors. Terminate cable braid shield to backshell with optional micro band strap. Add shrink boot (purchased separately) for strain relief and environmental protection. Aluminum or stainless steel, silicone O-ring.

Adapter Code M

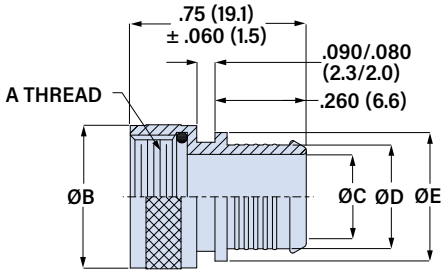
This accessory fits Series 80 Mighty Mouse Connectors

PART NUMBER

	440MS134	M	09	07	K
Base P/N	**440MS134**				
Material/Finish	**M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated				
Size Code	**05 06 07 08 09 10 11 12 13 14 15 16 17** *See table 1*				
Entry Size	*See Table 2*				
Band	*Omit if not required* **K** Pre-Coiled Band Included				

TABLE 1: SIZE CODE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	Entry Sizes
05	5	N/A	0.250-32	.350	8.9	01-03
06	6	N/A	0.3125-32	.415	10.5	01-04
11	N/A	8	0.3750-32	.465	11.8	01-04
07	7	9	0.4375-28	.530	13.5	02-06
08	8	10	0.500-28	.595	15.1	03-07
09	9	11	0.5625-24	.650	16.5	05-08
10	10	12	0.625-24	.715	18.2	06-09
12	11, 12, 13	13	0.6875-24	.785	19.9	07-10
13	N/A	15	0.750-20	.830	21.1	07-10
14	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9	10-15
16	19	21	1.0625-18	1.155	29.3	10-16
17	21	23	1.1875-18	1.280	32.5	10-17



BAND

Terminate cable braid to EMI backshell with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
01 - 12	601-061	8.13 (206)	.88 (22.4)
13 - 17	601-065	14.25 (362)	1.88 (47.8)

TABLE 2: ENTRY SIZE

Entry Size	øC ± .015 (0.4) in	øC ± .015 (0.4) mm	øD ± .015 (0.4) in	øD ± .015 (0.4) mm	øE ± .015 (0.4) in	øE ± .015 (0.4) mm
01	.094	2.4	.133	3.4	.235	6.0
02	.125	3.2	.164	4.2	.266	6.8
03	.172	4.4	.211	5.4	.313	8.0
04	.234	5.9	.273	6.9	.375	9.5
05	.272	6.9	.311	7.9	.413	10.5
06	.312	7.9	.351	8.9	.453	11.5
07	.375	9.5	.414	10.5	.516	13.1
08	.438	11.1	.477	12.1	.579	14.7
09	.500	12.7	.539	13.7	.641	16.3
10	.562	14.3	.601	15.3	.703	17.9
11	.625	15.9	.664	16.9	.766	19.5
12	.688	17.5	.727	18.5	.829	21.1
13	.750	19.1	.789	20.0	.891	22.6
14	.812	20.6	.851	21.6	.953	24.2
15	.875	22.2	.914	23.2	1.016	25.8
16	.938	23.8	.977	24.8	1.079	27.4
17	1.000	25.4	1.039	26.4	1.141	29.0

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Available with W1 hot melt adhesive pre-coat. Operating temperature range -75 to +150 °C (no adhesive), -55 to +125 °C (with W1 adhesive).

Entry Size	Shrink Boot P/N	Adhesive Lined Shrink Boot P/N
01 - 02	809S060-1U	809S060-1
03 - 04	809S060-2U	809S060-2
05 - 07	809S060-3U	809S060-3
08 - 10	809S060-4U	809S060-4
11 - 13	809S060-5U	809S060-5
14 - 17	809S060-6U	809S060-6

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Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

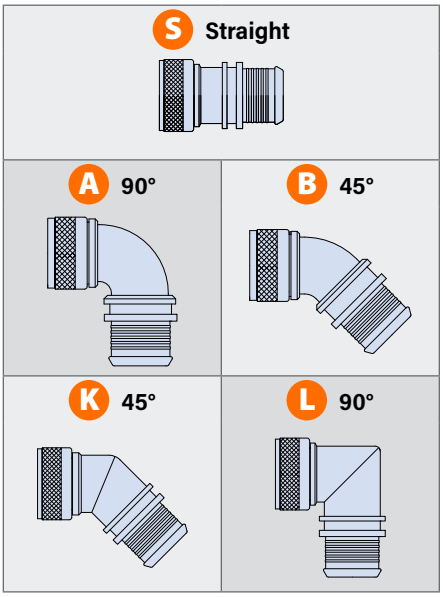
440M*135 Banding Backshell, Shrink Boot, Spin Coupling

Spin coupling. Band-Master ATS® shield termination. 440M*135 banding backshell fits Glenair Series 80 Mighty Mouse connectors. Terminate cable braid shield to backshell with optional micro band strap. Add shrink boot (purchased separately) for strain relief and environmental protection. Aluminum or stainless steel, silicone O-ring.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

PROFILE SELECTION GUIDE



PART NUMBER

440MS135	M	12	05-	6	K	T

Base P/N

Base Part No.		Profile
440MS135	S	Straight
440MA135	A	90°
440MB135	B	45°
440MK135	K	45°
440ML135	L	90°

Material/Finish

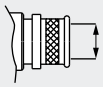
M	Alum/Electroless Nickel
MT	Alum/Nickel-PTFE
NF	Alum/Olive Drab Cadmium
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated

Size Code

05 06 07 08 09 10 11 12 13 14 15 16 17

See table 1

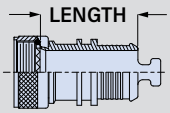
Entry Size



Size	Inside Dia.	Size Codes	Size	Inside Dia.	Shell Sizes
02	.125 (3.2)	05-17	10	.625 (15.9)	12-17
03	.188 (4.8)	05-17	11	.688 (17.5)	14-17
04	.250 (6.4)	06-17	12	.750 (19.1)	14-17
05	.312 (7.9)	07-17	13	.812 (20.6)	14-17
06	.375 (9.5)	07-17	14	.875 (22.2)	14-17
07	.438 (11.1)	08-17	15	.938 (23.8)	16-17
08	.500 (12.7)	09-17	16	1.000 (25.4)	17
09	.562 (14.3)	10-17			

Length

Length Code	Length
6	.75 (19.1)
8	1.00 (25.4)
10	1.25 (31.8)
12	1.50 (38.1)
16	2.00 (50.8)



Length applies to Profile S (straight) only. In 1/8 inch increments.

Band

Omit if not required

K Pre-Coiled Band Included

Qwik-Ty

Omit if not required.

T Qwik-Ty Arm

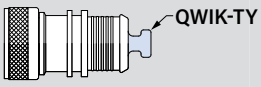


TABLE 1: SIZE CODE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	Coupling Nut Thread UNEF-2B	Max. Entry Size
05	5	N/A	0.250-32	03
06	6	N/A	0.3125-32	04
11	N/A	8	0.3750-32	04
07	7	9	0.4375-28	06
08	8	10	0.500-28	07
09	9	11	0.5625-24	08
10	10	12	0.625-24	09
12	11, 12, 13	13	0.6875-24	10
13	N/A	15	0.750-20	10
14	14, 15, 16, 17	18, 19	0.9375-20	14
16	19	21	1.0625-18	15
17	21	23	1.1875-18	16

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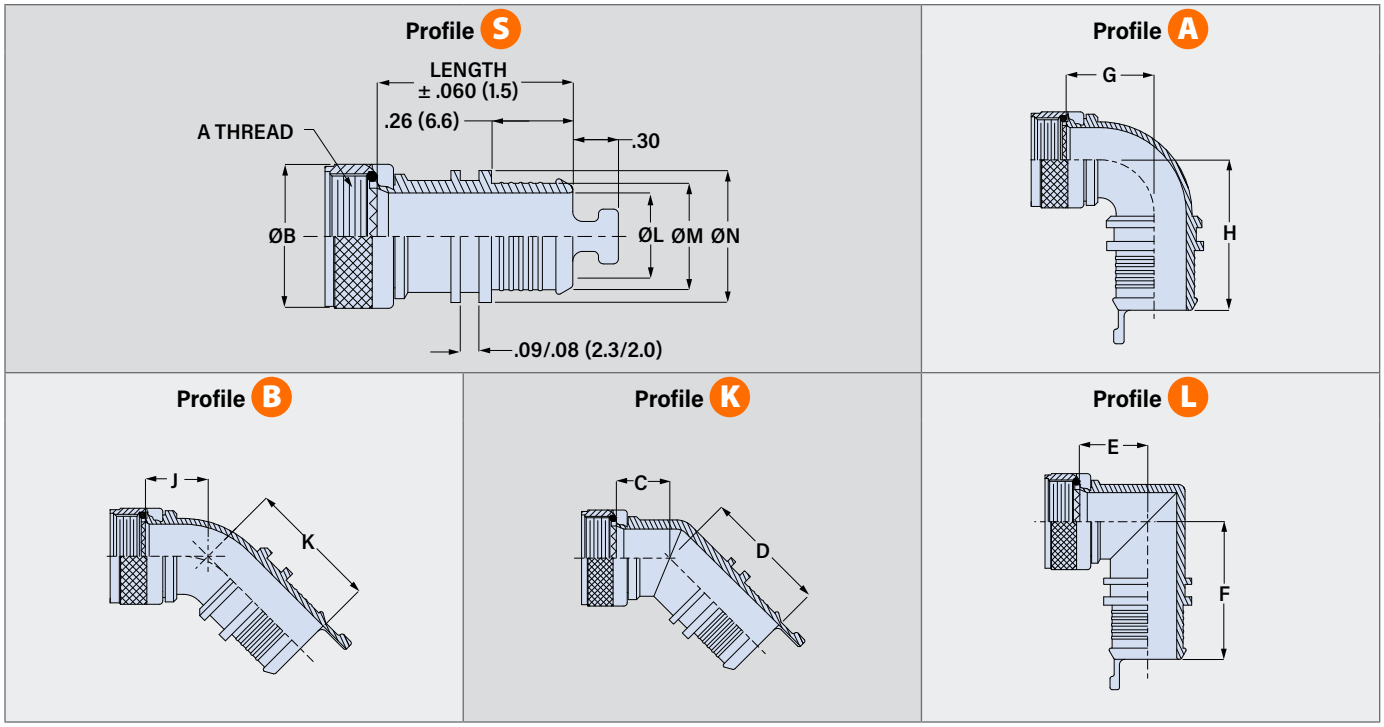
Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

440M*135 Banding Backshell, Shrink Boot, Spin Coupling



Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	Max. Entry Size
05	5	N/A	0.250-32	.470	11.9	.53	13.5	.66	16.8	.63	16.0	.78	19.8	03
06	6	N/A	0.3125-32	.530	13.5	.55	14.0	.67	17.0	.66	16.8	.79	20.1	04
11	N/A	8	0.3750-32	.570	14.5	.56	14.2	.68	17.3	.68	17.3	.81	20.6	04
07	7	9	0.4375-28	.637	16.2	.57	14.5	.69	17.5	.70	17.8	.83	21.1	06
08	8	10	0.500-28	.700	17.8	.58	14.7	.70	17.8	.74	18.8	.86	21.8	07
09	9	11	0.5625-24	.758	19.3	.59	15.0	.71	18.0	.77	19.6	.89	22.6	08
10	10	12	0.625-24	.819	20.8	.61	15.5	.73	18.5	.80	20.3	.92	23.4	09
12	11, 12, 13	13	0.6875-24	.896	22.8	.64	16.3	.75	19.1	.84	21.3	.97	24.6	10
13	N/A	15	0.750-20	.930	23.6	.66	16.8	.77	19.6	.89	22.6	1.02	25.9	10
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9	.69	17.5	.80	20.3	.95	24.1	1.09	27.7	14
16	19	21	1.0625-18	1.230	31.2	.71	18.0	.82	20.8	.98	24.9	1.13	28.7	15
17	21	23	1.1875-18	1.387	35.2	.72	18.3	.83	21.1	1.01	25.7	1.16	29.5	16

Entry Size	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm	K Max. in	K Max. mm	øL ± .015(0.4) in	øL ± .015(0.4) mm	øM ± .015(0.4) in	øM ± .015(0.4) mm	øN ± .015(0.4) in	øN ± .015(0.4) mm
02	.724	18.4	.962	24.4	.603	15.3	.841	21.4	.125	3.2	.164	4.2	.266	6.8
03	.724	18.4	.962	24.4	.603	15.3	.841	21.4	.188	4.8	.227	5.8	.329	8.4
04	.724	18.4	.962	24.4	.603	15.3	.841	21.4	.250	6.4	.289	7.3	.391	9.9
05	.786	20.0	1.024	26.0	.629	16.0	.867	22.0	.312	7.9	.351	8.9	.453	11.5
06	.786	20.0	1.024	26.0	.629	16.0	.867	22.0	.375	9.5	.414	10.5	.516	13.1
07	.848	21.5	1.086	27.6	.655	16.6	.893	22.7	.438	11.1	.477	12.1	.579	14.7
08	.848	21.5	1.086	27.6	.655	16.6	.893	22.7	.500	12.7	.539	13.7	.641	16.3
09	.911	23.1	1.149	29.2	.707	18.0	.945	24.0	.562	14.3	.601	15.3	.703	17.9
10	.911	23.1	1.149	29.2	.707	18.0	.945	24.0	.625	15.9	.664	16.9	.766	19.5
11	.977	24.8	1.215	30.9	.733	18.6	.971	24.7	.688	17.5	.727	18.5	.829	21.1
12	.977	24.8	1.215	30.9	.733	18.6	.971	24.7	.750	19.1	.789	20.0	.891	22.6
13	1.036	26.3	1.274	32.4	.785	19.9	1.023	26.0	.812	20.6	.851	21.6	.953	24.2
14	1.036	26.3	1.274	32.4	.785	19.9	1.023	26.0	.875	22.2	.914	23.2	1.016	25.8
15	1.098	27.9	1.336	33.9	.811	20.6	1.049	26.6	.938	23.8	.977	24.8	1.079	27.4
16	1.098	27.9	1.336	33.9	.811	20.6	1.049	26.6	1.000	25.4	1.039	26.4	1.141	29.0

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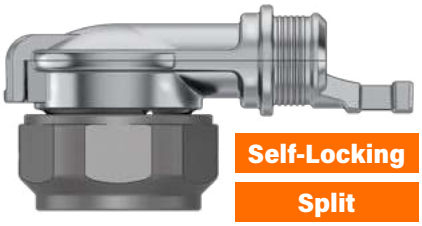
Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

440M*143 Banding Backshell, Composite, Ultra Low Profile 90°

Self-Locking

Solid



Self-Locking

Split

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Ultra low-profile 90°. Composite. Self-locking. Micro band. Qwik-Ty®. 440M*143 EMI band backshell fits Glenair Series 80 Mighty Mouse connectors. Lightweight, corrosion-free composite material meets AS85049 requirements. Split version has lid for wiring access. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional micro band strap. Optional shrink boot adds strain relief. Glass-reinforced thermoplastic.

PART NUMBER

	440ME143	XM	09	D	B	T	S

Base P/N

Base Part No.	Profile
440ME143	E 90° Split
440MW143	W 90° Solid

Finish

- XM Electroless Nickel
- XMT Nickel-PTFE
- XW Olive Drab Cadmium
- XZN Black Zinc-Nickel

Coupling nut is unplated, black color.

Size Code

07 09 12 14 16 17

See table 1

Drain Holes

Omit if not required

D Drain Holes

Band

Omit if not required

B Micro Band Included

Shrink Boot

Omit if not required

T Shrink Boot Included

Slot

Omit if not required. See Figure 1.

S Pigtail Termination Slots

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

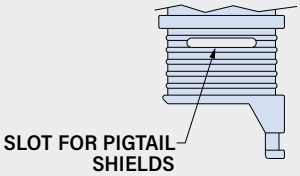
Band P/N	Length
601-060	8.13 (206)

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.

FIGURE 1: SLOTS

Optional pigtail shield termination slots are located on banding platform. Profile E split version has one slot. Profile W solid version has two slots.



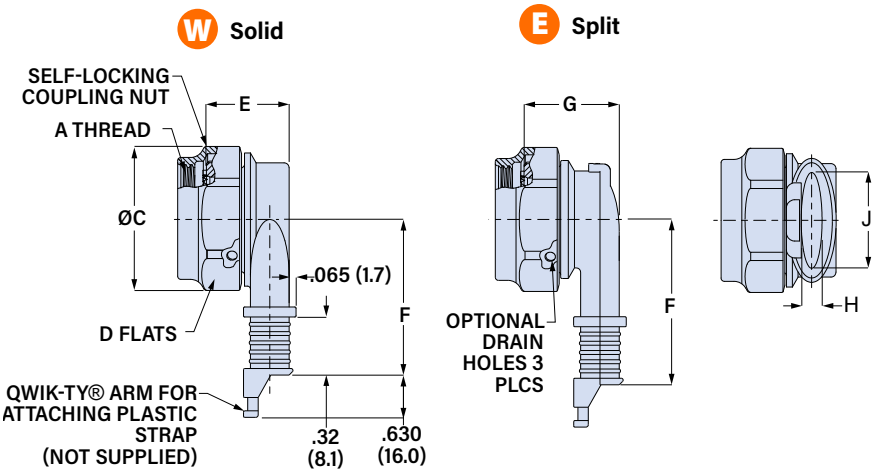


TABLE 1: SIZE CODE

Shell Size Code	Series 800, 801, 803, 804	Series 805	A Thread UNEF-2B	øC Max in	øC Max mm	D Hex Flats in	D Hex Flats mm	E Max in	E Max mm	F ± .03(2.3) in	F ± .03(2.3) mm	G Max in	G Max mm	H ± .06 (1.5) in	H ± .06 (1.5) mm	J ± .09 (2.3) in	J ± .09 (2.3) mm
07	7	9	0.4375-28	.86	21.8	.750	19.1	.63	16.0	1.042	26.5	.81	20.6	.160	4.1	.304	7.7
09	9	11	0.5625-24	.98	24.9	.875	22.3	.66	16.8	1.107	28.1	.81	20.6	.174	4.4	.432	11.0
12	11, 12, 13	13	0.6875-24	1.16	29.5	1.000	25.4	.72	18.3	1.174	29.8	.82	20.8	.195	5.0	.546	13.9
14	14, 15, 16, 17	18, 19	0.9375-20	1.41	35.8	1.250	31.8	.91	23.1	1.305	33.1	.93	23.6	.385	9.8	.796	20.2
16	19	21	1.0625-18	1.52	38.6	1.375	34.9	.93	23.6	1.371	34.8	.99	25.1	.445	11.3	.902	22.9
17	21	23	1.1875-18	1.64	41.7	1.500	38.1	1.04	26.4	1.438	36.5	1.06	26.9	.525	13.3	1.027	26.1

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Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

440M*182 Banding Backshell, Shrink Boot, Dual Band

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Two banding platforms. Spin coupling. Qwik-Ty. 440M*182 banding backshell fits Glenair Series 80 Mighty Mouse connectors. Terminate cable braid shield and overbraid fabric to backshell with optional micro band straps. Aluminum or stainless steel, silicone O-ring.

PART NUMBER

	440MS182	M	12	05	-10	K	T

Base P/N

Base Part No.		Profile
440MS182	S	Straight
440MK182	K	45°
440ML182	L	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

05 06 07 08 09 10 11 12 13 14 15 16 17

See table 1

Entry Size

See Table 2

Length

Length Code	Length
10	1.25 (31.8)
12	1.50 (38.1)
16	2.00 (50.8)
20	2.50 (63.5)

Length applies to Profile S (straight) only. In 1/8 inch increments, 1.25 inch min.

Band

Omit if not required

K Pre-Coiled Bands Included With Backshell (qty. 2)

Qwik-Ty

Omit if not required.

T Qwik-Ty Arm

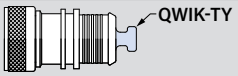
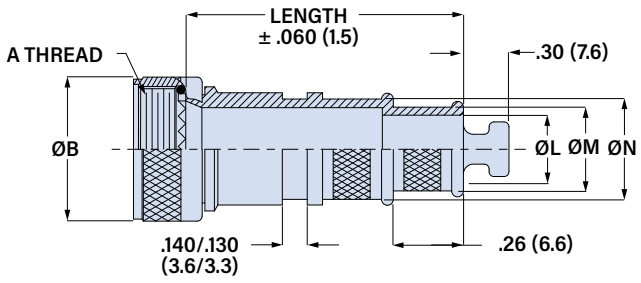


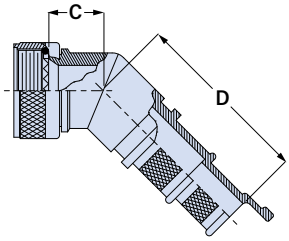
TABLE 2: ENTRY SIZE

Entry Size	Size Codes	øL ±.015(0.4) in	øL mm	øM ±.015(0.4) in	øM mm	øN ±.015(0.4) in	øN mm
02	05-17	.125	3.2	.250	6.4	.312	7.9
03	05-17	.188	4.8	.312	7.9	.375	9.5
04	06-17	.250	6.4	.375	9.5	.438	11.1
05	07-17	.312	7.9	.438	11.1	.500	12.7
06	07-17	.375	9.5	.500	12.7	.562	14.3
07	08-17	.438	11.1	.562	14.3	.625	15.9
08	09-17	.500	12.7	.625	15.9	.687	17.4
09	10-17	.562	14.3	.688	17.5	.750	19.1
10	12-17	.625	15.9	.750	19.1	.812	20.6
11	12-17	.688	17.5	.812	20.6	.875	22.2
12	12-17	.750	19.1	.875	22.2	.938	23.8
13	14-17	.812	20.6	.938	23.8	1.000	25.4
14	14-17	.875	22.2	1.000	25.4	1.062	27.0
15	17	.938	23.8	1.062	27.0	1.125	28.6
16	17	1.000	25.4	1.125	28.6	1.188	30.2

S Straight



K 45°



L 45°

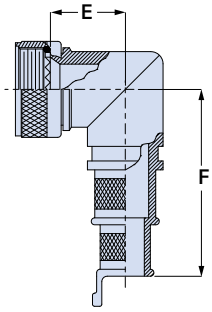


TABLE 1: SHELL SIZE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	Max. Entry Size
05	5	N/A	0.250-32	.470	11.9	.53	13.5	.97	24.6	.63	16.0	1.09	27.7	03
06	6	N/A	0.3125-32	.530	13.5	.55	14.0	.98	24.9	.66	16.8	1.00	25.4	04
11	N/A	8	0.3750-32	.570	14.5	.56	14.2	.99	25.1	.68	17.3	1.12	28.4	04
07	7	9	0.4375-28	.637	16.2	.57	14.5	1.00	25.4	.70	17.8	1.14	29.0	06
08	8	10	0.500-28	.700	17.8	.58	14.7	1.01	25.7	.74	18.8	1.20	30.5	07
09	9	11	0.5625-24	.758	19.3	.59	15.0	1.02	25.9	.77	19.6	1.23	31.2	08
10	10	12	0.625-24	.819	20.8	.61	15.5	1.04	26.4	.80	20.3	1.38	35.1	09
12	11, 12, 13	13	0.6875-24	.896	22.8	.64	16.3	1.06	26.9	.84	21.3	1.33	33.8	10
13	N/A	15	0.750-20	.930	23.6	.66	16.8	1.08	27.4	.89	22.6	1.40	35.6	10
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9	.69	17.5	1.11	28.2	.95	24.1	1.40	35.6	14
17	21	23	1.1875-18	1.387	35.2	.72	18.3	1.14	29.0	1.01	25.7	1.47	37.3	16

BANDING STRAP

Terminate cable braid to backshell with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool **601-101**

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
01 - 12	601-061	8.13 (206)	.88 (22.4)
13 - 16	601-065	14.25 (362)	1.88 (47.8)

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Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

440MA204 Banding Backshell, Shrink Boot, Low Profile 90°, Elliptical Entry

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Ultra low profile. 90°. EMI. Micro band. 440MA204 banding backshell fits Glenair Series 80 Mighty Mouse connectors. Terminate cable braid shield to backshell with optional micro band strap. Aluminum or stainless steel, fluorosilicone O-ring, monel coupling nut retention wire.

PART NUMBER

	440MA204	M	12	05	K
Base P/N	**440MA204**				
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated				
Shell Size	**05 06 07 08 09 10 11 12 13 14 15 16 17** *See table 1*				
Entry Size	*See Table 2*				
Band	*Omit if not required* **K** Pre-Coiled ⅛ inch wide MicroBand Included				

TABLE 2: ENTRY SIZE

Entry Size	Shell Size Codes	B ± .015(0.4) in	B ± .015(0.4) mm	C ± .015(0.4) in	C ± .015(0.4) mm
02	05-17	.125	3.2	.125	3.2
03	05-17	.188	4.8	.188	4.8
04	06-17	.250	6.4	.250	6.4
05	07-17	.312	7.9	.250	6.4
06	08-17	.375	9.5	.250	6.4
07	09-17	.438	11.1	.250	6.4
08	10-17	.500	12.7	.250	6.4
09	12-17	.562	14.3	.250	6.4
10	13-17	.625	15.9	.250	6.4
11	14-17	.688	17.5	.250	6.4
12	14-17	.750	19.1	.250	6.4
13	14-17	.812	20.6	.250	6.4
14	16-17	.875	22.2	.250	6.4
15	16-17	.938	23.8	.250	6.4
16	17	1.000	25.4	.250	6.4
17	17	1.062	27.0	.250	6.4

BANDING STRAP

Terminate cable braid to backshell with optional banding strap. Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool **601-101**

Shell Sizes	Pre-Coiled Band P/N	Length	Max Diameter
05 - 10	601-061	8.13 (206)	.88 (22.4)
12 - 14	601-065	14.25 (362)	1.88 (47.8)

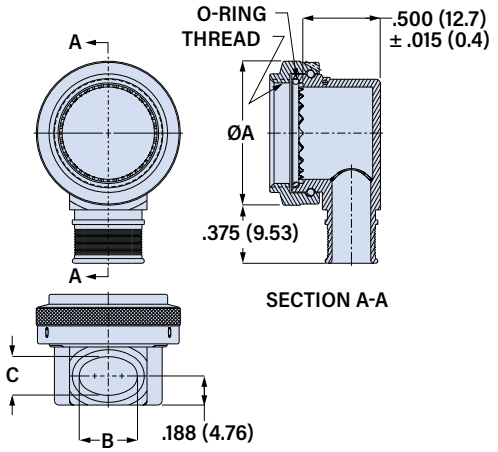

TABLE 1: SHELL SIZE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	Thread UNEF-2B	øA ± .015(0.4) in	øA ± .015(0.4) mm	Available Entry Sizes
05	5	N/A	0.250-32	.490	12.45	02 thru 03
06	6	N/A	0.3125-32	.555	14.10	02 thru 04
11	N/A	8	0.3750-32	.605	15.37	02 thru 04
07	7	9	0.4375-28	.675	17.15	02 thru 05
08	8	10	0.500-28	.735	18.67	02 thru 06
09	9	11	0.5625-24	.795	20.19	02 thru 07
10	10	12	0.625-24	.855	21.72	02 thru 08
12	11, 12, 13	13	0.6875-24	.930	23.62	02 thru 09
13	N/A	15	0.750-20	.965	24.51	02 thru 10
14	14, 15, 16, 17	18, 19	0.9375-20	1.170	29.72	02 thru 13
16	19	21	1.0625-18	1.275	32.39	02 thru 15
17	21	23	1.1875-18	1.395	35.43	02 thru 17

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Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

440MC173 Banding Backshell, Shrink Boot, Ultra Low Profile 90°

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Ultra low profile. 90°. EMI. Micro band. 440MC173 banding backshell fits Glenair Series 80 Mighty Mouse connectors. Ultra low profile "cobra" style backshell has screw-on lid with gasket for wiring access. Terminate cable braid shield to backshell with optional micro band strap. Add optional shrink boot for strain relief and environmental protection. Aluminum, fluorosilicone gasket, silicone O-ring.

PART NUMBER

	440MC173	M	08	K	P	T

Base P/N	**440MC173**
Material/Finish	**M** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc
Shell Size	**05 06 07 08 09 10 11 12 13 14 15 16 17** *See table 1*
Band	*Omit if not required* **K** Pre-Coiled ⅛ inch wide MicroBand included
Polysulfide	*Omit if not required. Applies to Plating Codes NF, ZR, TZ only.* **P** Nickel Plated Shield Termination Area with Polysulfide Barrier
Shrink Boot	*Omit if not required* **T** Shrink Boot Included

BANDING STRAP

Terminate cable braid to backshell with optional banding strap. Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool **601-101**

Shell Sizes	Pre-Coiled Band P/N	Length	Max Diameter
05 - 10	601-061	8.13 (206)	.88 (22.4)
12 - 14	601-065	14.25 (362)	1.88 (47.8)

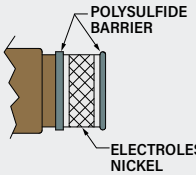
SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.

POLYSULFIDE

Optional polysulfide dielectric coating prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



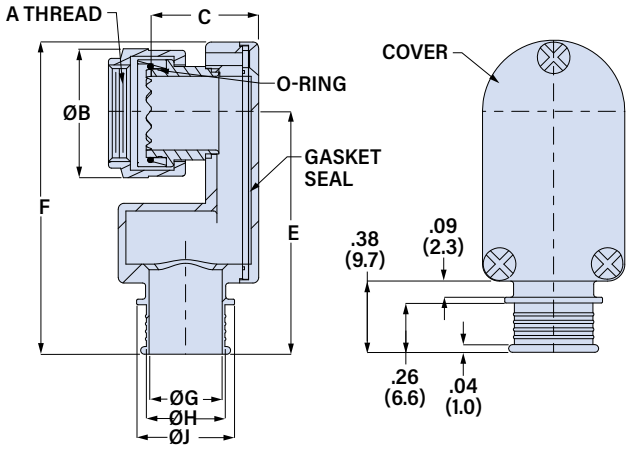


TABLE 1: SHELL SIZE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	øG ± .015(0.4) in	øG ± .015(0.4) mm	øH ± .015(0.4) in	øH ± .015(0.4) mm	øJ ± .015(0.4) in	øJ ± .015(0.4) mm	Shrink Boot P/N
05	5	N/A	0.250-32	.470	11.9	.531	13.5	.540	13.7	1.210	30.7	1.480	37.6	.188	4.8	.312	7.9	.374	9.5	770-003S111
06	6	N/A	0.3125-32	.530	13.5	.562	14.3	.600	15.2	1.240	31.5	1.540	39.1	.250	6.4	.375	9.5	.437	11.1	770-003S112
11	N/A	8	0.3750-32	.570	14.5	.594	15.1	.640	16.3	1.260	32.0	1.560	39.6	.250	6.4	.375	9.5	.437	11.1	770-003S112
07	7	9	0.4375-28	.637	16.2	.625	15.9	.687	17.4	1.280	32.5	1.620	41.1	.375	9.5	.500	12.7	.562	14.3	770-003S112
08	8	10	0.500-28	.700	17.8	.625	15.9	.750	19.1	1.310	33.3	1.690	42.9	.375	9.5	.500	12.7	.562	14.3	770-003S112
09	9	11	0.5625-24	.758	19.3	.687	17.4	.810	20.6	1.340	34.0	1.750	44.5	.438	11.1	.562	14.3	.624	15.8	770-001S104
10	10	12	0.625-24	.819	20.8	.700	17.8	.875	22.2	1.370	34.8	1.810	46.0	.500	12.7	.625	15.9	.687	17.4	770-001S104
12	11, 12, 13	13	0.6875-24	.896	22.8	.725	18.4	1.050	26.7	1.480	37.6	2.010	51.1	.625	15.9	.750	19.1	.812	20.6	770-001S104
13	N/A	15	0.750-20	.930	23.6	.750	19.1	1.110	28.2	1.510	38.4	2.100	53.3	.625	15.9	.750	19.1	.812	20.6	770-001S104
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9	.812	20.6	1.300	33.0	1.540	39.1	2.250	57.2	.750	19.1	.875	22.2	.937	23.8	770-001S105

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Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

447MS981 Banding Backshell, Shrouded

"Band-in-a-Can". EMI. Micro band. 447MS981 banding backshell fits Glenair Series 80 Mighty Mouse connectors. Terminate cable braid shield to backshell with optional micro band strap. Aluminum or stainless steel. Saddle and screws are stainless steel.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

BANDING STRAP

Terminate cable braid to backshell with optional banding strap. Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool **601-101**

Shell Sizes	Pre-Coiled Band P/N	Length	Max Diameter
05 - 10	601-061	8.13 (206)	.88 (22.4)
12 - 14	601-065	14.25 (362)	1.88 (47.8)

PART NUMBER

	447MS981	M	08	06	-6	K

Base P/N — 447MS981

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size — *See table 1*

Entry Size — *See Table 2*

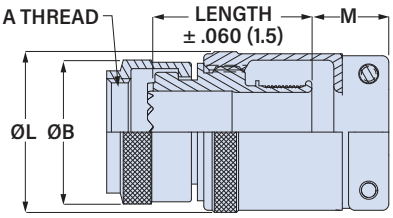
Length

Length Code	Length
06	.75 (19.1)
08	1.00 (25.4)
12	1.50 (38.1)
20	2.00 (63.5)

In 1/8 inch increments. Code 06 (0.75 inches) is the minimum length.

Band — *Omit if not required*

K Pre-Coiled Band Included



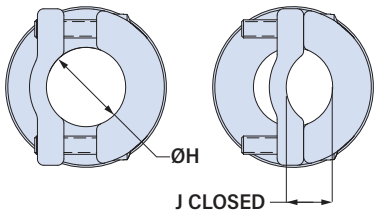


TABLE 1: SHELL SIZE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max in	øB Max mm	Max Entry Size
05	5	N/A	0.250-32	.470	11.9	25
06	6	N/A	0.3125-32	.530	13.5	35
11	N/A	8	0.3750-32	.570	14.5	04
07	7	9	0.4375-28	.637	16.2	05
08	8	10	0.500-28	.700	17.8	06
09	9	11	0.5625-24	.758	19.3	07
10	10	12	0.625-24	.819	20.8	08
12	11, 12, 13	13	0.6875-24	.896	22.8	09
13	N/A	15	0.750-20	.930	23.6	10
14	14, 15, 16, 17	18, 19	0.9375-20	1.137	28.9	13
16	19	21	1.0625-18	1.250	31.8	14
17	21	23	1.1875-18	1.387	35.2	16

TABLE 2: ENTRY SIZE

Entry Size	Shell Size Codes	øH ± .015(0.4) in	øH ± .015(0.4) mm	J Closed ± .015(0.4) in	J Closed ± .015(0.4) mm	K ± .015(0.4) in	K ± .015(0.4) mm	øL Max in	øL Max mm	M ± .03(0.8) in	M ± .03(0.8) mm
02	05-17	.125	3.2	.075	1.9	.490	12.4	.520	13.2	.36	9.1
25	05-17	.156	4.0	.094	2.4	.520	13.2	.550	14.0	.36	9.1
03	06-17	.188	4.8	.113	2.9	.550	14.0	.580	14.7	.36	9.1
35	06-17	.219	5.6	.131	3.3	.580	14.7	.610	15.5	.36	9.1
04	11-17	.250	6.4	.150	3.8	.615	15.6	.645	16.4	.36	9.1
05	07-17	.312	7.9	.188	4.8	.680	17.3	.710	18.0	.36	9.1
06	08-17	.375	9.5	.225	5.7	.740	18.8	.770	19.6	.36	9.1
07	09-17	.438	11.1	.263	6.7	.800	20.3	.830	21.1	.36	9.1
08	10-17	.500	12.7	.300	7.6	.865	22.0	.895	22.7	.36	9.1
09	12-17	.562	14.3	.375	9.5	.990	25.1	1.030	26.2	.42	10.7
10	13-17	.625	15.9	.417	10.6	1.050	26.7	1.090	27.7	.42	10.7
11	14-17	.688	17.5	.459	11.7	1.115	28.3	1.155	29.3	.42	10.7
12	14-17	.750	19.1	.500	12.7	1.175	29.8	1.215	30.9	.42	10.7
13	14-17	.812	20.6	.542	13.8	1.240	31.5	1.280	32.5	.42	10.7
14	16-17	.875	22.2	.583	14.8	1.300	33.0	1.340	34.0	.42	10.7
15	16-17	.938	23.8	.625	15.9	1.365	34.7	1.405	35.7	.42	10.7
16	17	1.000	25.4	.667	16.9	1.425	36.2	1.465	37.2	.42	10.7

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Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

440M*233 Banding Backshell, Shrink Boot, Expanded Clearance

Self-Locking

Prevents splaying of size 8 twinax, quadrax and octaxial contacts. Band-Master ATS® shield termination. 440M*233 banding backshell fits Series 80 Mighty Mouse with size 8 contacts. Backshell has increased clearance for sealing boots used with size 8 contacts. 45° and 90° profiles have large radius elbows for minimized wire bending. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring. Silicone O-ring.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

PROFILE SELECTION GUIDE

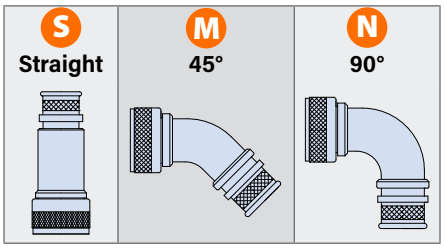


TABLE 1: SHELL SIZE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	Max Entry Size
11	N/A	8	04
07	7	9	04
08	8	10	06
09	9	11	06
10	10	12	08
12	12, 13	N/A	08
13	N/A	15	10
14	14, 15, 16, 17	18, 19	12
16	19	21	14
17	21	23	16

PART NUMBER

440MS233	M	10	06	M	-8	K	P	T

Base P/N

Base Part No.	Profile
440MS233	S Straight
440MM233	M 45°
440MN233	N 90°

Material/Finish

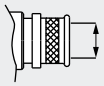
- ME Alum/ Electroless Nickel
- MT Alum/ Nickel-PTFE
- NF Alum/ Olive Drab Cadmium
- ZR Alum/ Black Zinc-Nickel
- TZ Alum/ Tin-Zinc
- Z1 SST/ Passivated

Size Code

07 08 09 10 11 12 13 14 15 16 17

See table 1

Entry Size



Entry Size	Inside Dia.	Size Codes	Entry Size	Inside Dia.	Size Codes
02	.125 (3.2)	11-17	10	.625 (15.9)	13-17
03	.188 (4.8)	11-17	11	.688 (17.5)	14-17
04	.250 (6.4)	11-17	12	.750 (19.1)	14-17
05	.312 (7.9)	08-17	13	.812 (20.6)	16-17
06	.375 (9.5)	08-17	14	.875 (22.2)	16-17
07	.438 (11.1)	10-17	15	.938 (23.8)	17
08	.500 (12.7)	10-17	16	1.000 (25.4)	17
09	.562 (14.3)	13-17			

Band Platform

Omit for standard band platform

M Micro Band Platform

Length

- -8 2.0 in.
- -10 2.5 in.
- -12 3.0 in.
- -14 3.5 in.

Length Code applies to Profile S only. Length in ¼ inch increments, 2 inch min. Omit for 45° and 90° profiles.

Band

Omit if not required

K Pre-Coiled Band Included With Backshell

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

- T Type 1 High Performance Shrink Boot Included With Backshell
- T1 Adhesive-lined Type 1 High Performance Shrink Boot
- H Zero Halogen Shrink Boot Included With Backshell
- T1 Adhesive-lined Zero Halogen Shrink Boot

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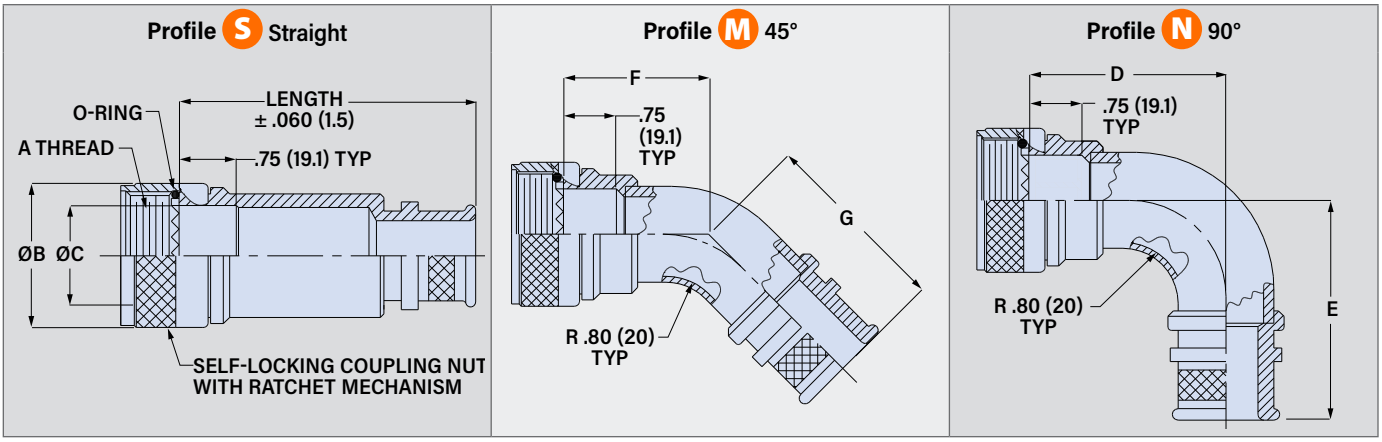
Series 44 Banding Backshells

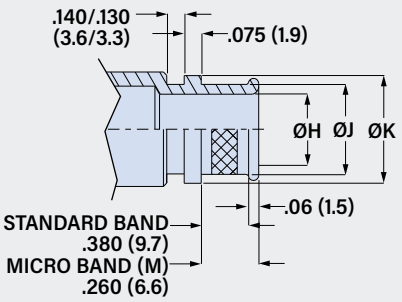
for Series 80 Mighty Mouse Connectors

440M*233 Banding Backshell, Shrink Boot, Expanded Clearance



Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	øC ± .005 (0.1) in	øC ± .005 (0.1) mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	Max. Entry Size
11	N/A	8	0.3750-32	.763	19.4	.274	7.0	1.893	48.1	1.883	47.8	1.433	36.4	1.423	36.1	04
07	7	9	0.4375-28	.782	19.9	.324	8.2	1.893	48.1	1.883	47.8	1.433	36.4	1.423	36.1	04
08	8	10	0.500-28	.803	20.4	.386	9.8	1.893	48.1	1.883	47.8	1.433	36.4	1.423	36.1	06
09	9	11	0.5625-24	.950	24.1	.444	11.3	1.893	48.1	1.883	47.8	1.433	36.4	1.423	36.1	06
10	10	12	0.625-24	1.034	26.3	.513	13.0	1.955	49.7	1.945	49.4	1.460	37.1	1.450	36.8	08
12	12, 13	N/A	0.6875-24	1.076	27.3	.596	15.1	1.955	49.7	1.945	49.4	1.460	37.1	1.450	36.8	08
13	N/A	15	0.750-20	1.170	29.7	.625	15.9	2.107	53.5	2.097	53.3	1.485	37.7	1.475	37.5	10
14	14, 15, 16, 17	18, 19	0.9375-20	1.320	33.5	.812	20.6	2.107	53.5	2.097	53.3	1.485	37.7	1.475	37.5	12
16	19	21	1.0625-18	1.470	37.3	.910	23.1	2.170	55.1	2.160	54.9	1.541	39.1	1.531	38.9	14
17	21	23	1.1875-18	1.582	40.2	1.055	26.8	2.275	57.8	2.265	57.5	1.580	40.1	1.570	39.9	16

ENTRY SIZE



Entry Size	Shell Size Codes	øH ± .015 (0.4) in	øH ± .015 (0.4) mm	øJ ± .015 (0.4) in	øJ ± .015 (0.4) mm	øK ± .015 (0.4) in	øK ± .015 (0.4) mm
02	11-17	.125	3.2	.250	6.4	.312	7.9
03	11-17	.188	4.8	.312	7.9	.374	9.5
04	11-17	.250	6.4	.375	9.5	.437	11.1
05	08-17	.312	7.9	.438	11.1	.500	12.7
06	08-17	.375	9.5	.500	12.7	.562	14.3
07	10-17	.438	11.1	.562	14.3	.624	15.8
08	10-17	.500	12.7	.625	15.9	.687	17.4
09	13-17	.562	14.3	.688	17.5	.750	19.1
10	13-17	.625	15.9	.750	19.1	.812	20.6
11	14-17	.688	17.5	.812	20.6	.874	22.2
12	14-17	.750	19.1	.875	22.2	.937	23.8
13	16-17	.812	20.6	.938	23.8	1.000	25.4
14	16-17	.875	22.2	1.000	25.4	1.062	27.0
15	17	.938	23.8	1.062	27.0	1.124	28.5
16	17	1.000	25.4	1.125	28.6	1.187	30.1

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection.

Code T, T1: Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C. Code T1 adds W1 hot melt adhesive precoat (-40 to +125 °C).

Code H, H1: Type 2 halogen-free polyolefin meets low smoke and toxicity requirements of shipboard, transit and aircraft systems. Operating temperature range -40 to +130 °C. Code H1 adds W1 hot melt adhesive precoat (-55 to +125 °C).

Entry Sizes	Shrink Boot P/N*	Zero Halogen Shrink Boot P/N*
02-03	770-003S111	770-003S211
04-05	770-001S112	770-001S212
06	770-001S103	770-001S203
07-11	770-001S104	770-001S204
12-15	770-001S105	770-001S205
16	770-001S106	770-001S206

* Add "W1" to the part number for adhesive lined boot

BAND

Optional Band-Master ATS® band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Standard Band 601-041

Standard Banding Tool 601-100

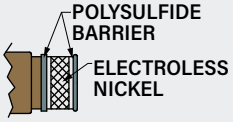
Micro Band 601-065

Micro Banding Tool 601-101

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Dimensions in Inches (millimeters) are subject to change without notice.

Series 44 Banding Backshells

for Series 80 Mighty Mouse Connectors

443M*042 Banding Backshell, Shrouded, Expanded Clearance

Self-Locking

Prevents splaying of size 8 twinax, quadrax and octaxial contacts. Environmental. "Band-in-a-Can" shield termination. Saddle clamp. 443M*042 banding backshell fits Glenair Series 80 Mighty Mouse connectors. Backshell has increased clearance for sealing boots used with size 8 contacts. 45° and 90° profiles have large radius elbows for minimized bending of data cables. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield with band strap (optional). Environmentally sealed with O-rings. Aluminum or stainless steel. Saddle clamp hardware is passivated SST. Silicone O-rings and grommet. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

PROFILE SELECTION GUIDE

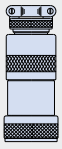
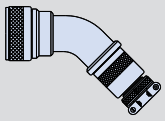
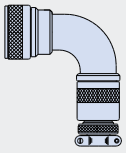
S	M	N
Straight	45°	90°
		

TABLE 1: SIZE CODE

Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	Max Entry Size
11	N/A	8	01
07	7	9	01
08	8	10	02
09	9	11	02
10	10	12	04
12	12, 13	N/A	04
13	N/A	15	05
14	14, 15, 16, 17	18, 19	06
16	19	21	07
17	21	23	08

PART NUMBER

443MS042	M	13	04	-8	K	P

Base P/N

Base Part No.		Profile
443MS042	S	Straight
443MM042	M	45°
443MN042	N	90°

Material / Finish

ME	Aluminum / Electroless Nickel
MT	Aluminum / Nickel-PTFE
NF	Aluminum / Olive Drab Cadmium
ZR	Aluminum / Black Zinc-Nickel
TZ	Aluminum / Tin-Zinc
Z1	Stainless Steel / Passivated

Size Code

07 08 09 10 11 12 13 14 15 16 17

See table 1

Entry Size

Size	Cable Range Min	Cable Range Max	Shell Size Codes
01	.125 (3.2)	.250 (6.4)	11-17
02	.188 (4.8)	.375 (9.5)	08-17
03	.312 (7.9)	.438 (11.1)	10-17
04	.343 (8.7)	.500 (12.7)	10-17
05	.438 (11.1)	.625 (15.9)	13-17
06	.562 (14.3)	.750 (19.1)	14-17
07	.688 (17.5)	.875 (22.2)	16-17
08	.812 (20.6)	1.000 (25.4)	17

Length

-8	2.0 in.
-10	2.5 in.
-12	3.0 in.
-14	3.5 in.

Length in ¼ inch increments. 2 inch min. Length Code applies to Profile S only. Omit for 45° and 90° profiles.

Band

Omit if not required

K Pre-Coiled Band Included

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

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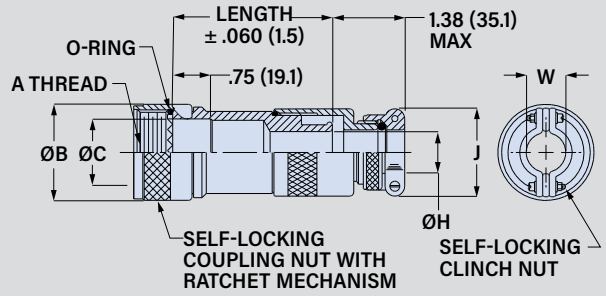
Series 44 Banding Backshells

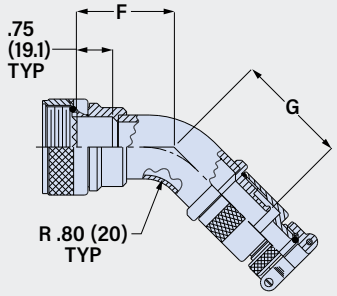
for Series 80 Mighty Mouse Connectors

443M*042 Banding Backshell, Shrouded, Expanded Clearance

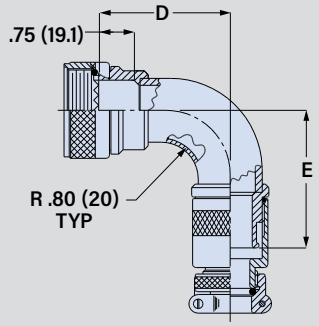
Profile S
Straight



Profile M
45°

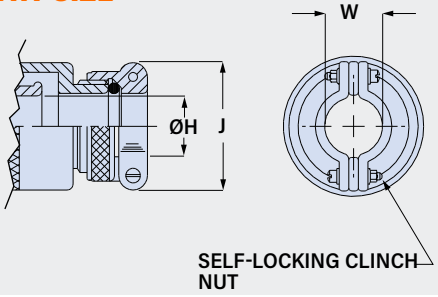


Profile N
90°



Shell Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	øC ± .005 (0.1) in	øC ± .005 (0.1) mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	Max. Entry Size
11	N/A	8	0.3750-32	.763	19.4	.274	7.0	1.893	48.1	1.903	48.3	1.433	36.4	1.443	36.7	01
07	7	9	0.4375-28	.782	19.9	.324	8.2	1.893	48.1	1.903	48.3	1.433	36.4	1.443	36.7	01
08	8	10	0.500-28	.803	20.4	.386	9.8	1.893	48.1	1.903	48.3	1.433	36.4	1.443	36.7	02
09	9	11	0.5625-24	.950	24.1	.444	11.3	1.893	48.1	1.903	48.3	1.433	36.4	1.443	36.7	02
10	10	12	0.625-24	1.034	26.3	.513	13.0	1.955	49.7	1.965	49.9	1.460	37.1	1.470	37.3	04
12	12, 13	N/A	0.6875-24	1.076	27.3	.596	15.1	1.955	49.7	1.965	49.9	1.460	37.1	1.470	37.3	04
13	N/A	15	0.750-20	1.170	29.7	.625	15.9	2.107	53.5	2.117	53.8	1.485	37.7	1.495	38.0	05
14	14, 15, 16, 17	18, 19	0.9375-20	1.320	33.5	.812	20.6	2.107	53.5	2.117	53.8	1.485	37.7	1.495	38.0	06
16	19	21	1.0625-18	1.470	37.3	.910	23.1	2.170	55.1	2.180	55.4	1.541	39.1	1.551	39.4	07
17	21	23	1.1875-18	1.582	40.2	1.055	26.8	2.275	57.8	2.285	58.0	1.580	40.1	1.590	40.4	08

ENTRY SIZE



Entry Size	Cable Range Min. in	Cable Range Min. mm	Cable Range Max. in	Cable Range Max. mm	J Max. in	J Max. mm	W Closed in	W Closed mm	ø H in	ø H mm	Shell Sizes
01	.125	3.2	.250	6.4	1.05	26.7	.264	6.7	.25	6.4	11-17
02	.188	4.8	.375	9.5	1.20	30.5	.344	8.7	.37	9.4	08-17
03	.312	7.9	.438	11.1	1.30	33.0	.460	11.7	.43	10.9	10-17
04	.343	8.7	.500	12.7	1.44	36.6	.545	13.8	.50	12.7	10-17
05	.438	11.1	.625	15.9	1.69	42.9	.698	17.7	.62	15.7	13-17
06	.562	14.3	.750	19.1	1.77	45.0	.780	19.8	.75	19.1	14-17
07	.688	17.5	.875	22.2	2.12	53.8	.950	24.1	.87	22.1	16-17
08	.812	20.6	1.000	25.4	2.50	63.5	1.015	25.8	1.00	25.4	17

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

The Band-Master ATS® Advanced Cable Shield Termination System provides excellent static loading and corrosion resistance in electrical wire interconnect systems.

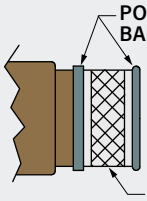
Band
601-041

Banding Tool
601-100

POLYSULFIDE

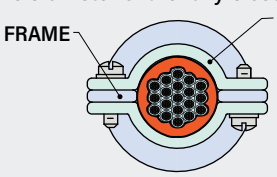
Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



APPLICATION NOTE

This backshell has a full radius saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp.



FULL RADIUS
SADDLE CLAMP
SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

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Series 44 Banding Backshells

for Series 970 PowerTrip® Connectors

440P*069 Banding Backshell, Shrink Boot, Self-Locking

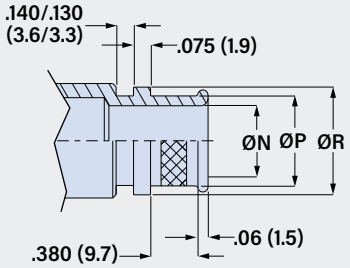
Self-Locking

Adapter Code P

This accessory fits Glenair Series 970 PowerTrip Connectors

Band-Master ATS® shield termination. Straight, 45° or 90°. 440P*069 banding backshell fits Glenair Series 970 PowerTrip connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate braid shield with optional band strap. Shrink boot provides environmental protection and strain relief. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

TABLE 1: ENTRY SIZE



Entry Size	Shell Sizes*	øN ± .015(0.4) in	øN mm	øP ± .015(0.4) in	øP mm	ø R ± .015(0.4) in	ø R mm
01	18-40	.125	3.2	.250	6.4	.312	7.9
31	18-40	.188	4.8	.312	7.9	.375	9.5
02	18-40	.250	6.4	.375	9.5	.438	11.1
32	18-40	.312	7.9	.438	11.1	.500	12.7
03	18-40	.375	9.5	.500	12.7	.562	14.3
33	18-40	.438	11.1	.562	14.3	.625	15.9
04	18-40	.500	12.7	.625	15.9	.687	17.4
34	18-40	.562	14.3	.688	17.5	.750	19.1
05	18-40	.625	15.9	.750	19.1	.812	20.6
35	18-40	.688	17.5	.812	20.6	.875	22.2
06	20-40	.750	19.1	.875	22.2	.938	23.8
36	20-40	.812	20.6	.938	23.8	1.000	25.4
07	24-40	.875	22.2	1.000	25.4	1.062	27.0
37	24-40	.938	23.8	1.062	27.0	1.125	28.6
08	24-40	1.000	25.4	1.125	28.6	1.188	30.2
38	28-40	1.062	27.0	1.188	30.2	1.250	31.8
09	28-40	1.125	28.6	1.250	31.8	1.312	33.3
10	28-40	1.250	31.8	1.375	34.9	1.438	36.5
11	32-40	1.375	34.9	1.500	38.1	1.562	39.7
12	32-40	1.500	38.1	1.625	41.3	1.688	42.9
13	32-40	1.625	41.3	1.750	44.5	1.812	46.0
14	36-40	1.750	44.5	1.875	47.6	1.938	49.2
15	40	1.875	47.6	2.000	50.8	2.062	52.4
16	40	2.000	50.8	2.125	54.0	2.188	55.6
17	-	2.125	54.0	2.250	57.2	2.313	58.8
18	-	2.250	57.2	2.375	60.3	2.438	61.9
19	-	2.375	60.3	2.500	63.5	2.563	65.1
20	-	2.500	63.5	2.625	66.7	2.688	68.3

** If selected entry size exceeds shell size range, a **Style 2** transition adapter will be included.See **Maximum Entry Size** for details.*

PART NUMBER

440PS069	NF	20	05	-8	K	P	T

Base P/N

Base Part No.	Profile
440PS069	S Straight
440PM069	M 45°
440PN069	N 90°

Material/Finish

- ME Alum/ Electroless Nickel
- MT Alum/ Nickel-PTFE
- NF Alum/ Olive Drab Cadmium
- ZR Alum/ Black Zinc-Nickel
- TZ Alum/ Tin-Zinc
- Z1 SST/ Passivated

Shell Size

18 20 24 28 32 36 40

Entry Size

See Table 1

Length

- 4 2 inches
- 6 3 inches
- 8 4 inches
- 10 5 inches
- 12 6 inches

Applies to Profile S only. If selected Entry Size is greater than Maximum Entry Size (see next page), then 3 inch minimum applies.

Band

Omit if not required

K Pre-Coiled Band is included with backshell

Polysulfide

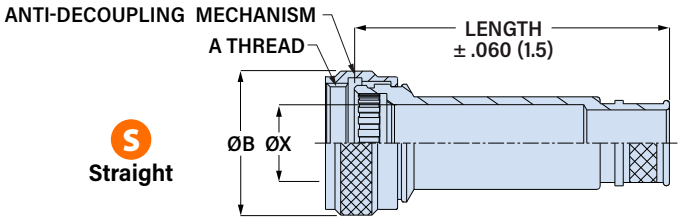
Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

- T Standard Shrink Boot
- S Zero Halogen Shrink Boot



S Straight

Shell Size	A Thread	ø B Max. in	ø B Max. mm	X Min. in	X Min. mm	Max. Entry Size(1)
18	1.125-18 UNEF-2B	1.39	35.3	.724	18.4	35
20	1.250-18 UNEF-2B	1.53	38.9	.858	21.8	36
24	1.4375-18 UNEF-2B	1.72	43.7	1.043	26.5	08
28	1.8125-16 UN-2B	2.13	54.1	1.353	34.4	10
32	2.0625-16 UNS-2B	2.35	59.7	1.620	41.2	13
36	2.250-16 UN-2B	2.59	65.8	1.823	46.3	14
40	2.500-16 UN-2B	2.87	70.6	2.050	52.1	16

(1) If the Entry Size exceeds "Max. Entry Size", a front adapter will be included. See "Maximum Entry Size" on next page.

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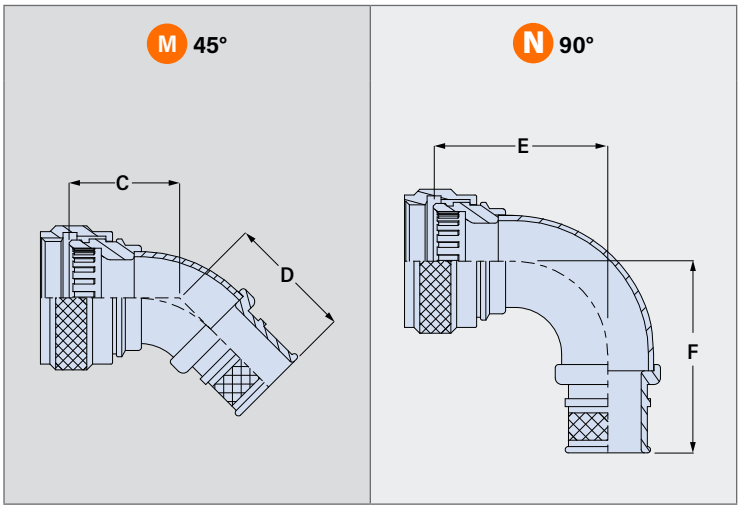
Series 44 Banding Backshells

for Series 970 PowerTrip® Connectors

440P*069 Banding Backshell, Shrink Boot, Self-Locking



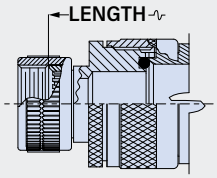
Shell Size	C Max. in	C Max. mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm
18	1.250	31.8	2.468	62.7	1.906	48.4	1.812	46.0
20	1.312	33.3	2.657	67.5	2.031	51.6	1.938	49.2
24	1.406	35.7	3.063	77.8	2.281	57.9	2.188	55.6
28	1.500	38.1	3.656	92.9	2.531	64.3	2.625	66.7
32	1.675	42.5	3.845	97.7	2.625	66.7	2.895	73.5
36	1.799	45.7	4.230	107.4	2.875	73.0	3.145	79.9
40	1.861	47.3	4.459	113.3	3.025	76.8	3.295	83.7

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

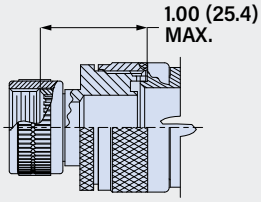
Shell Size	Maximum Entry Size
18	35
20	36
24	08
28	10
32	13
36	14
40	16

Style 2 Straight Backshell



Style 2 profile S straight backshell minimum length code is 6 (3 inches).

Style 2 45° and 90° Backshells



For Profile M and N 45° and 90° backshells, the front adapter adds 1 inch.

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection.

Standard Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C.

Zero Halogen Type 2 high-performance semi-flexible polyolefin meets low smoke and toxicity requirements. Operating temperature range -40 to +130 °C.

Entry Sizes	Shrink Boot Part Number Standard	Shrink Boot Part Number Zero Halogen
01-31	770-003S111	770-003S211
02-32	770-003S112	770-003S212
03	770-001S103	770-001S203
33-35	770-001S104	770-001S204
06-37	770-001S105	770-001S205
08-38	770-001S106	770-001S206
09-12	770-001S107	770-001S207
13-14	770-001S108	770-001S208
15-16	770-001S109	770-001S209
17-20	770-001S110	770-001S210

SHIELD BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems.

Band

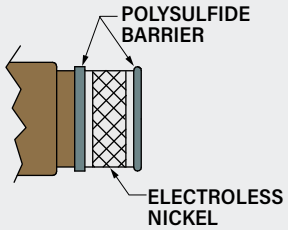
Banding Tool
601-100

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
01 - 36	601-006	9.00 (229)	1.00 (25.4)
07 - 13	601-041	14.25 (362)	1.80 (45.7)
14 - 20	601-050	18.00 (457)	2.50 (63.5)

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Series 44 Banding Backshells

for Series 806 Mil-Aero Connectors

440V*191 Banding Backshell, Shrink Boot, Self-Locking

Self-Locking

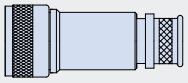
Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

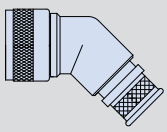
Self-Locking. Band-Master ATS® shield termination. 440V*191 banding backshell fits Glenair's Series 806 connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum or stainless steel, silicone O-ring, thermoplastic or stainless steel detent spring, stainless steel band. Shrink boot is Type 1 fluid-resistant elastomeric or Type 2 polyolefin.

PROFILE SELECTION GUIDE

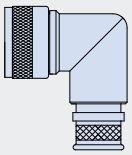
S Straight



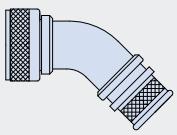
H 45°



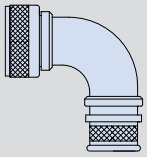
J 90°



M 45°



N 90°



PART NUMBER

	440VS191	MT	20	12-	4	K	P	T1

Base P/N

Base Part No.		Profile
440VS191	S	Straight
440VH191	H	45°
440VJ191	J	90°
440VM191	M	45°
440VN191	N	90°

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

08 09 10 11 12 14 16 18 20 22 24

Entry Size

See Table 1

Length

3	1.5 inches	*Applies to Profile S only.*
4	2.0 inches	*If Entry Size is greater than*
5	2.5 inches	*"Maximum Entry Size" (see next*
6	3.0 inches	*page), then 2 inch minimum applies.*

Band

Omit if not required

K Pre-Coiled Band

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

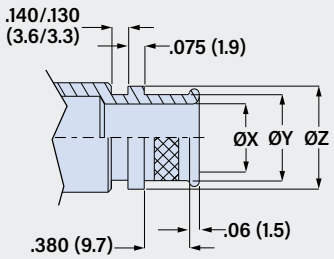
P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T	Shrink Boot
T1	Shrink Boot with W1 Hot Melt Pre-Coat Adhesive
H	Zero Halogen Shrink Boot
H1	Zero Halogen Shrink Boot with W1 Hot Melt Pre-Coat Adhesive

TABLE 1: ENTRY SIZE



Entry Size	Shell Sizes*	øX ± .015(0.4) in	øX ± .015(0.4) mm	øY ± .015(0.4) in	øY ± .015(0.4) mm	øZ ± .015(0.4) in	øZ ± .015(0.4) mm
02	08-24	.125	3.2	.250	6.4	.312	7.9
03	08-24	.188	4.8	.312	7.9	.374	9.5
04	08-24	.250	6.4	.375	9.5	.438	11.1
05	09-24	.312	7.9	.438	11.1	.500	12.7
06	10-24	.375	9.5	.500	12.7	.562	14.3
07	11-24	.438	11.1	.562	14.3	.624	15.8
08	12-24	.500	12.7	.625	15.9	.687	17.4
09	14-24	.562	14.3	.688	17.5	.750	19.1
10	16-26	.625	15.9	.750	19.1	.812	20.6
11	16-24	.688	17.5	.812	20.6	.874	22.2
12	18-24	.750	19.1	.875	22.2	.937	23.8
13	18-24	.812	20.6	.938	23.8	1.000	25.4
14	20-24	.875	22.2	1.000	25.4	1.062	27.0
15	20-24	.938	23.8	1.062	27.0	1.124	28.6
16	22-24	1.000	25.4	1.125	28.6	1.187	30.1
17	22-24	1.062	27.0	1.188	30.2	1.250	31.8
18	24	1.125	28.6	1.250	31.8	1.312	33.3
20	-	1.250	31.8	1.375	34.9	1.437	36.5
22	-	1.375	34.9	1.500	38.1	1.562	39.7
24	-	1.500	38.1	1.625	41.3	1.687	42.8
26	-	1.625	41.3	1.750	44.5	1.812	46.0
28	-	1.750	44.5	1.875	47.6	1.937	49.2

** If selected entry size exceeds the shell size range shown in table, a Style 2 adapter will be included. Refer to Maximum Entry Size on next page for details.*

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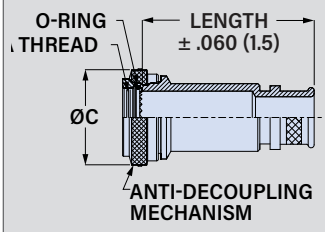
Series 44 Banding Backshells

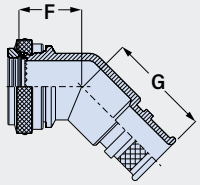
for Series 806 Mil-Aero Connectors

440V*191 Banding Backshell, Shrink Boot, Self-Locking

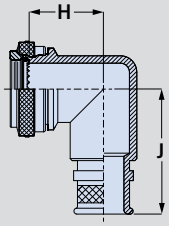
Profile S Straight



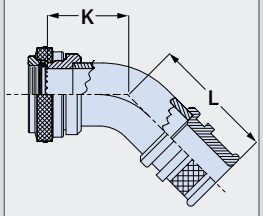
Profile H Cut/Weld 45°



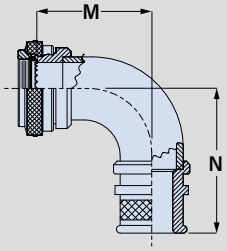
Profile J Cut/Weld 90°



Profile M Full Radius 45°



Profile N Full Radius 90°



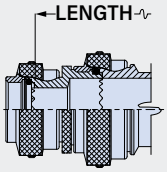
Shell Size	A Thread ISO Metric	øC Max. in	øC Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm	K Max. in	K Max. mm	L Max. in	L Max. mm	M Max. in	M Max. mm	N Max. in	N Max. mm
08	M10 x 1.0-6H	.692	17.58	.64	16.3	.92	23.4	.76	19.3	1.13	28.7	.79	20.1	1.19	30.2	.94	23.9	1.35	34.3
09	M12 x 1.0-6H	.786	19.96	.65	16.5	.96	24.3	.79	20.1	1.18	30.0	.79	20.1	1.19	30.2	.94	23.9	1.35	34.3
10	M14 x 1.0-6H	.883	22.43	.68	17.3	.99	25.2	.84	21.3	1.23	31.2	.79	20.1	1.26	32.0	.97	24.6	1.45	36.8
11	M15 x 1.0-6H	.911	23.14	.69	17.5	1.02	25.9	.85	21.6	1.24	31.5	.79	20.1	1.26	32.0	.97	24.6	1.45	36.8
12	M17 x 1.0-6H	1.002	25.45	.72	18.3	1.05	26.7	.90	22.9	1.29	32.8	.83	21.1	1.34	34.0	1.04	26.4	1.55	39.4
14	M19 x 1.0-6H	1.066	27.08	.73	18.5	1.08	27.4	.93	23.6	1.32	33.5	.83	21.1	1.34	34.0	1.04	26.4	1.55	39.4
16	M22 x 1.0-6H	1.196	30.38	.77	19.6	1.15	29.2	1.00	25.4	1.40	35.6	.84	21.3	1.41	35.8	1.08	27.4	1.65	41.9
18	M25 x 1.0-6H	1.311	33.30	.80	20.3	1.21	30.7	1.05	26.7	1.49	37.9	.89	22.6	1.49	37.9	1.14	29.0	1.74	44.2
20	M28 x 1.0-6H	1.430	36.32	.84	21.3	1.27	32.3	1.11	28.2	1.58	40.1	.92	23.4	1.56	39.6	1.21	30.7	1.84	46.7
22	M31 x 1.0-6H	1.548	39.32	.87	22.1	1.32	33.5	1.17	29.7	1.66	42.2	.95	24.1	1.62	41.5	1.28	32.5	1.94	49.3
24	M34 x 1.0-6H	1.696	43.08	.92	23.4	1.39	35.3	1.25	31.8	1.77	45.0	.97	24.6	1.68	42.7	1.33	33.8	2.04	51.8

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

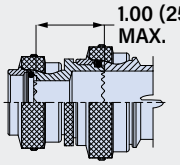
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	04	16	11
09	05	18	13
10	06	20	15
11	07	22	17
12	08	24	18
14	09		

Style 2 Straight Backshell



Style 2 profile S straight backshell minimum length code is 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the front adapter adds 1 inch.

SHRINK BOOT

Optional heatshrink boot provides environmental protection and strain relief.

Standard Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Operating temp. range -75 to +150 °C.

Zero Halogen Type 2 high-performance semi-flexible polyolefin meets low smoke and toxicity requirements. Operating temp. range -40 to +130 °C.

Entry Sizes	Shrink Boot Part Number Standard*	Shrink Boot Part Number Zero Halogen*
02-03	770-003S111	770-003S211
04-05	770-003S112	770-003S212
06	770-001S103	770-001S203
07-11	770-001S104	770-001S204
12-15	770-001S105	770-001S205
06-17	770-001S106	770-001S206
18-24	770-001S107	770-001S207
26-28	770-001S108	770-001S208

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Banding Tool **601-100**

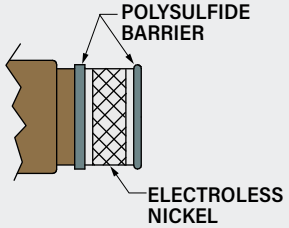
Band

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
02 -12	601-006	9.00 (229)	1.00 (25.4)
13 - 24	601-041	14.25 (362)	1.80 (45.7)
26 - 28	601-050	18.00 (457)	2.50 (63.5)

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Series 44 Banding Backshells

for Series 806 Mil-Aero Connectors

440V*213 Banding Backshell, Shrink Boot, Self-Locking, Micro Band

Self-Locking

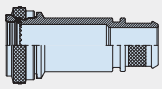
Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

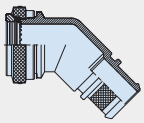
Self-Locking. Micro band shield termination. 440V*213 banding backshell fits Glenair's Series 806 connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional micro band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum or stainless steel, silicone O-ring, thermoplastic or stainless steel detent spring, stainless steel band. Shrink boot is Type 1 fluid-resistant elastomeric.

PROFILE SELECTION GUIDE

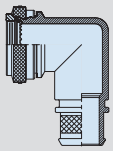
S Straight



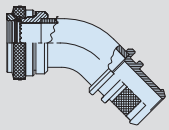
H 45°



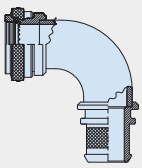
J 90°



M 45°



N 90°



PART NUMBER

	440VS213	MT	20	12-	8	K	P	T

Base P/N

Base Part No.		Profile
440VS213	S	Straight
440VH213	H	45°
440VJ213	J	90°
440VM213	M	45°
440VN213	N	90°

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

08 09 10 11 12 14 16 18 20 22 24

Entry Size

See Table 1

Length

6	0.75 inches
8	1.00 inch
10	1.25 inches
12	1.50 inches
16	2.00 inches

Applies to Profile S only. If Entry Size is greater than "Maximum Entry Size" (see next page), then 1.50 inch minimum applies.

Band

Omit if not required

K Pre-Coiled Band

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

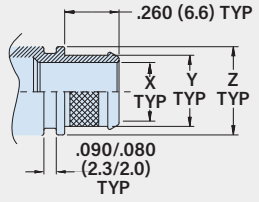
P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T Shrink Boot with W1 Hot Melt Pre-Coat Adhesive

TABLE 1: ENTRY SIZE



Entry Size	Shell Sizes*	øX ± .015(0.4) in	øX mm	øY ± .015(0.4) in	øY mm	øZ ± .015(0.4) in	øZ mm
02	08-24	.125	3.2	.165	4.2	.266	6.8
03	08-24	.188	4.8	.228	5.8	.329	8.4
04	08-24	.250	6.4	.290	7.4	.391	9.9
05	09-24	.312	7.9	.353	9.0	.453	11.5
06	10-24	.375	9.5	.415	10.5	.516	13.1
07	11-24	.438	11.1	.478	12.1	.579	14.7
08	12-24	.500	12.7	.540	13.7	.641	16.3
09	14-24	.562	14.3	.603	15.3	.703	17.9
10	16-26	.625	15.9	.665	16.9	.766	19.5
11	16-24	.688	17.5	.728	18.5	.829	21.1
12	18-24	.750	19.1	.800	20.3	.891	22.6
13	18-24	.812	20.6	.863	21.9	.953	24.2
14	20-24	.875	22.2	.925	23.5	1.016	25.8
15	20-24	.938	23.8	.988	25.1	1.079	27.4
16	22-24	1.000	25.4	1.050	26.7	1.141	29.0
17	22-24	1.062	27.0	1.113	28.3	1.203	30.6
18	24	1.125	28.6	1.175	29.8	1.266	32.2
20	-	1.250	31.8	1.310	33.3	1.391	35.3

** If selected entry size exceeds the shell size range shown in table, a Style 2 adapter will be included. Refer toMaximum Entry Size on next page for details.*

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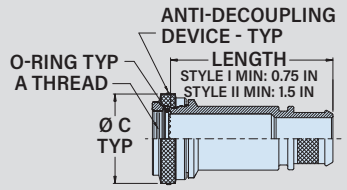
Series 44 Banding Backshells

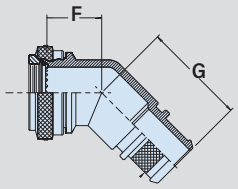
for Series 806 Mil-Aero Connectors

440V*213 Banding Backshell, Shrink Boot, Self-Locking, Micro Band

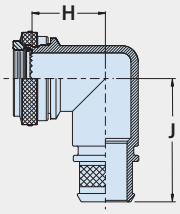
Profile S Straight



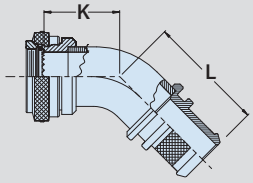
Profile H Cut/Weld 45°



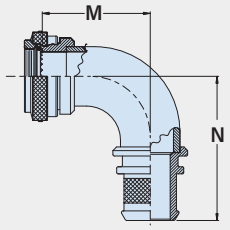
Profile J Cut/Weld 90°



Profile M Full Radius 45°



Profile N Full Radius 90°



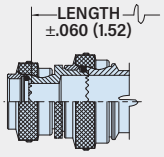
Shell Size	A Thread	Ø C Max in	Ø C Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm	M Max in	M Max mm	N Max in	N Max mm	Max Dash No.
07	M8 x 1-6H	.640	16.26	.630	16.00	.655	16.64	.730	18.54	.855	21.72	.790	20.07	.905	22.99	.910	23.11	1.055	26.80	03
08	M10 x 1-6H	.710	18.03	.640	16.26	.695	17.65	.760	19.30	.905	22.99	.790	20.07	.965	24.51	.940	23.88	1.125	28.58	04
09	M12 x 1-6H	.780	19.81	.650	19.96	.735	18.67	.790	20.07	.955	24.26	.790	20.07	.965	24.51	.940	23.88	1.125	28.58	05
10	M14 x 1-6H	.880	22.35	.680	22.43	.765	19.43	.840	21.34	1.005	25.53	.790	20.07	1.035	26.29	.970	24.64	1.225	31.12	06
11	M15 x 1-6H	.920	23.37	.690	17.53	.795	20.19	.850	21.59	1.015	25.78	.790	20.07	1.035	26.29	.970	24.64	1.225	31.12	07
12	M17 x 1-6H	1.000	25.40	.720	18.29	.825	20.96	.900	22.86	1.065	27.05	.830	21.08	1.115	28.32	1.040	26.42	1.325	33.66	08
14	M19 x 1-6H	1.090	27.69	.730	18.54	.855	21.72	.930	23.62	1.095	27.81	.830	21.08	1.115	28.32	1.040	26.42	1.325	33.66	09
16	M22 x 1-6H	1.210	30.73	.770	19.56	.925	23.50	1.000	25.40	1.175	29.85	.840	21.34	1.185	30.10	1.080	27.43	1.425	36.20	12
18	M25 x 1-6H	1.330	33.78	.800	20.32	.985	25.02	1.050	26.67	1.265	32.13	.890	22.61	1.265	32.13	1.140	28.96	1.515	38.48	13
20	M28 x 1-6H	1.450	36.83	.840	21.34	1.045	26.54	1.110	28.19	1.355	34.42	.920	23.37	1.335	33.91	1.210	30.73	1.615	41.02	15
22	M31 x 1-6H	1.570	39.88	.870	22.10	1.095	27.81	1.170	29.72	1.435	36.45	.950	24.13	1.395	35.43	1.280	32.51	1.715	43.56	17
24	M34 x 1-6H	1.700	43.18	.920	23.37	1.165	29.59	1.250	31.75	1.545	39.24	.970	24.64	1.455	36.96	1.330	33.78	1.815	46.10	18

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

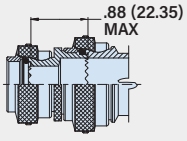
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	04	16	12
09	05	18	13
10	06	20	15
11	07	22	17
12	08	24	18
14	09		

Style 2 Straight Backshell



Style 2 profile S straight backshell minimum length code is 12 (1.5 inches).

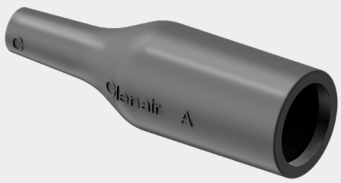
Style 2 45° and 90° Backshells



For 45° and 90° backshells, the front adapter adds 1 inch.

SHRINK BOOT

Heatshrink boot provides cable strain relief and environmental protection. Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Supplied with W1 hot melt adhesive pre-coat. Operating temperature range -55 to +125 °C.



Entry Size	Shrink Boot P/N
02 - 03	809S060-1
04 - 07	809S060-2
08 - 10	809S060-3
11 - 13	809S060-4
14 - 16	809S060-5
17 - 20	809S060-6

BAND

Terminate cable braid to EMI backshell with optional banding strap. Stainless steel.

Micro Band

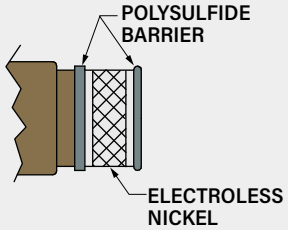
Hand Tool
601-101

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
02 - 10	601-061	8.13 (206)	.88 (22.4)
10 - 20	601-065	14.25 (362)	1.88 (47.8)

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Series 44 Banding Backshells

for Series 806 Mil-Aero Connectors

443V*039 Banding Backshell, Shrouded Environmental

Self-Locking

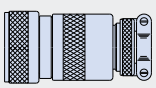
Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

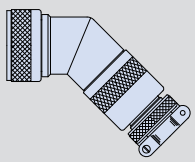
Environmental. "Band-in-a-Can" shield termination. Saddle clamp. 443V*039 banding backshell fits Glenair Series 806 connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield with micro band strap (included). Environmentally sealed with O-rings and cable grommet. Aluminum or stainless steel. Saddle clamp hardware is passivated SST. Silicone O-rings and grommet, thermoplastic or SST detent spring. Band is passivated SST.

PROFILE SELECTION GUIDE

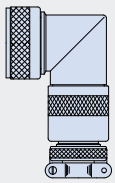
S Straight



H 45°



J 90°



Shell Size	A Thread ISO Metric	øC Max. in	øC Max. mm	Max Entry Size*
08	M10 x 1.0-6H	.692	17.58	01
09	M12 x 1.0-6H	.786	19.96	01
10	M14 x 1.0-6H	.883	22.43	02
11	M15 x 1.0-6H	.911	23.14	03
12	M17 x 1.0-6H	1.002	25.45	04
14	M19 x 1.0-6H	1.066	27.08	04
16	M22 x 1.0-6H	1.196	30.38	05
18	M25 x 1.0-6H	1.311	33.30	06
20	M28 x 1.0-6H	1.430	36.32	07
22	M31 x 1.0-6H	1.548	39.32	08
24	M34 x 1.0-6H	1.696	43.08	09

** If Entry Size exceeds the **Max Entry Size** in this table, the backshell will include a "**Style 2**" adapter. See "**Maximum Entry Size**" on next page.*

PART NUMBER

	443VS039	ME	16	04	-3

Base P/N

Base Part No.	Profile
443VS039	S Straight
443VH039	H 45°
443VJ039	J 90°

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size 08 09 10 11 12 14 16 18 20 22 24

Entry Size *See Table 1*

Length

2	1.0 inch
3	1.5 inches
4	2.0 inches
6	3.0 inches

Applies to Profile S only. If Entry Size is greater than Maximum Entry Size on next page, then 2 inch minimum applies.

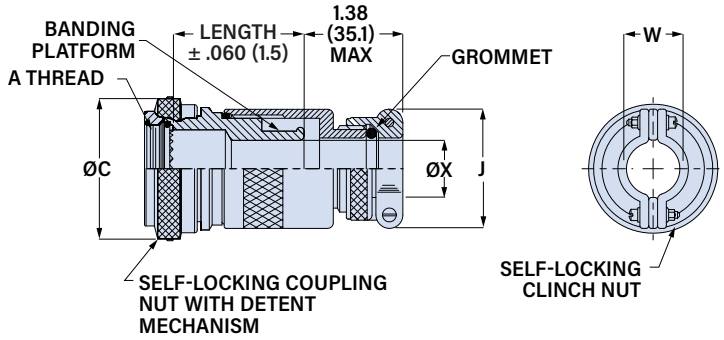


TABLE 1: ENTRY SIZE

Entry Size	Grommet Sealing Range Min. in	Min. mm	Max. in	Max. mm	J Max. in	J Max. mm	W Closed in	W Closed mm	øX Min in	øX Min mm	Shell Sizes*
01	.125	3.2	.250	6.4	1.05	26.7	.264	6.7	.25	6.4	08-24
02	.188	4.8	.375	9.5	1.20	30.5	.344	8.7	.37	9.4	10-24
03	.250	6.4	.438	11.1	1.30	33.0	.460	11.7	.43	10.9	11-24
04	.312	7.9	.500	12.7	1.44	36.6	.545	13.8	.50	12.7	12-24
05	.343	8.7	.625	15.9	1.69	42.9	.698	17.7	.62	15.7	16-24
06	.438	11.1	.750	19.1	1.77	45.0	.780	19.8	.75	19.1	18-24
07	.688	17.5	.875	22.2	2.12	53.8	.950	24.1	.87	22.1	20-24
08	.812	20.6	1.000	25.4	2.50	63.5	1.015	25.8	1.00	25.4	22-24
09	.938	23.8	1.125	28.6	2.62	66.5	1.187	30.1	1.12	28.4	24
10	1.062	27.0	1.250	31.8	2.68	68.1	1.220	31.0	1.25	31.8	—
11	1.125	28.6	1.375	34.9	3.00	76.2	1.500	38.1	1.38	35.1	—
12	1.250	31.8	1.500	38.1	3.50	88.9	1.625	41.3	1.50	38.1	—

** If Entry Size exceeds the shell size range in this table, the backshell will include a "Style 2" adapter. See "Maximum Entry Size" on next page.*

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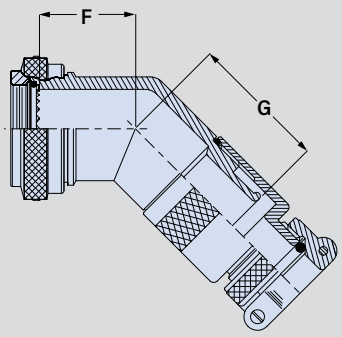
Series 44 Banding Backshells

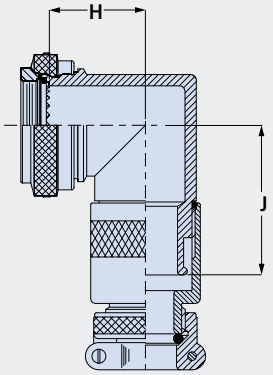
for Series 806 Mil-Aero Connectors

443V*039 Banding Backshell, Shrouded Environmental

Profile H
Cut/Weld 45°



Profile J
Cut/Weld 90°



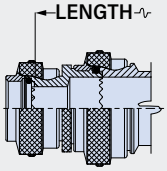
Shell Size	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm
08	.63	16.0	1.03	26.2	.88	22.4	1.18	30.0
09	.64	16.3	1.03	26.2	.88	22.4	1.21	30.7
10	.67	17.0	1.06	26.9	.93	23.6	1.26	32.0
11	.68	17.3	1.09	27.7	.98	24.9	1.29	32.8
12	.70	17.8	1.10	27.9	.99	25.2	1.32	33.5
14	.72	18.3	1.10	27.9	.99	25.2	1.35	34.3
16	.76	19.3	1.13	28.7	1.05	26.7	1.41	35.8
18	.79	20.1	1.17	29.7	1.12	28.5	1.47	37.3
20	.83	21.1	1.20	30.4	1.18	30.0	1.53	38.9
22	.86	21.8	1.24	31.5	1.24	31.5	1.59	40.4
24	.91	23.1	1.29	32.8	1.30	33.0	1.67	42.4

MAXIMUM ENTRY SIZE

If the selected entry size exceeds the maximum size in this table, the backshell will have a front adapter. This is called a ***Style 2*** backshell.

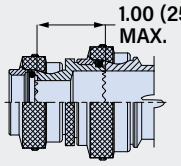
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
08	01	16	05
09	01	18	06
10	02	20	07
11	03	22	08
12	04	24	09
14	04		

Style 2 Straight Backshell



Style 2 profile S straight backshell minimum length code is 4 (2 inches).

Style 2 45° and 90° Backshells



For 45° and 90° backshells, the front adapter adds 1 inch.

BAND

Micro band is included with backshell and provides fast, cost-effective and highly reliable termination of braided metallic shielding. The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming favorite throughout the military aerospace and defense industries, providing excellent static loading and corrosion resistance in electrical wire interconnect systems. Band is passivated stainless steel.

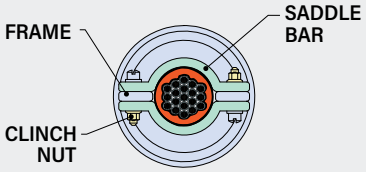
Micro Band

Hand Tool
601-101

Entry Sizes	Pre-Coiled Band P/N	Length	Max Diameter
02 - 10	601-061	8.13 (206)	.88 (22.4)
10 - 20	601-065	14.25 (362)	1.88 (47.8)

APPLICATION NOTE

This backshell has a ***full radius*** saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp.



FULL RADIUS SADDLE CLAMP
FULL RADIUS CLAMPS SHOULD BE FULLY BOTTOMED ONTO FRAME.

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Series 44 Banding Backshells

for Series 806 Mil-Aero Connectors

440V*233 Banding Backshell, Shrink Boot, Expanded Clearance

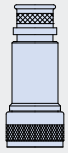
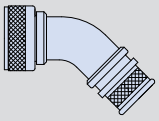
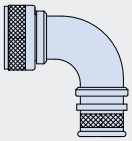
Self-Locking

Prevents splaying of size 8 twinax, quadrax and octaxial contacts. Band-Master ATS® shield termination. 440V*233 banding backshell fits Series 806 Mil-Aero Connectors. Backshell has increased clearance for sealing boots used with size 8 contacts. 45° and 90° profiles have large radius elbows for minimized wire bending. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield to backshell with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring. Silicone O-ring.

Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

PROFILE SELECTION GUIDE

S	M	N
Straight	45°	90°
		

PART NUMBER

440VS233	ME	10	06	M	-8	K	P	T

Base P/N

Base Part No.	Profile
440VS233	S Straight
440VM233	M 45°
440VN233	N 90°

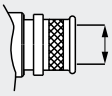
Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

07 08 09 10 11 12 14 16 18 20 22 24

Entry Size



Entry Size	Inside Dia.	Shell Size	Entry Size	Inside Dia.	Shell Size
02	.125 (3.2)	7-24	11	.688 (17.5)	18-24
03	.188 (4.8)	7-24	12	.750 (19.1)	18-24
04	.250 (6.4)	7-24	13	.812 (20.6)	20-24
05	.312 (7.9)	10-24	14	.875 (22.2)	20-24
06	.375 (9.5)	10-24	15	.938 (23.8)	22-24
07	.438 (11.1)	12-24	16	1.000 (25.4)	22-24
08	.500 (12.7)	12-24	17	1.062 (27.0)	24
09	.562 (14.3)	16-24	18	1.125 (28.6)	24
10	.625 (15.9)	16-24			

Band Platform

Omit for standard band platform
M Micro Band Platform

Length

-8	2.0 in.
-10	2.5 in.
-12	3.0 in.
-14	3.5 in.

Length Code applies to Profile S only. Length in ¼ inch increments, 2 inch min. Omit for 45° and 90° profiles.

Band

Omit if not required
K Pre-Coiled Band Included With Backshell

Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.
P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required

T	Type 1 High Performance Shrink Boot Included With Backshell
T1	Adhesive-lined Type 1 High Performance Shrink Boot
H	Zero Halogen Shrink Boot Included With Backshell
T1	Adhesive-lined Zero Halogen Shrink Boot

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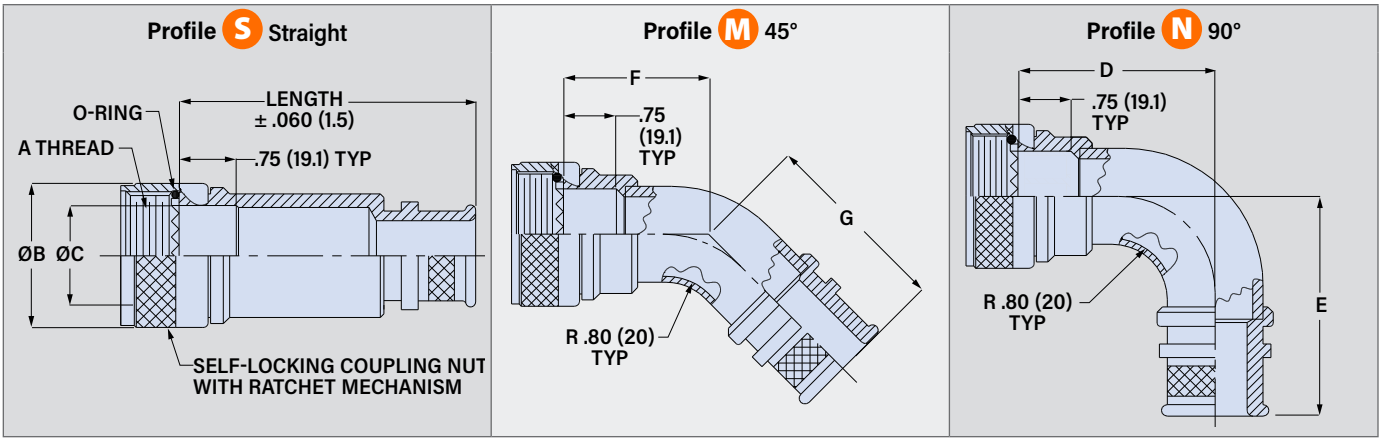
Series 44 Banding Backshells

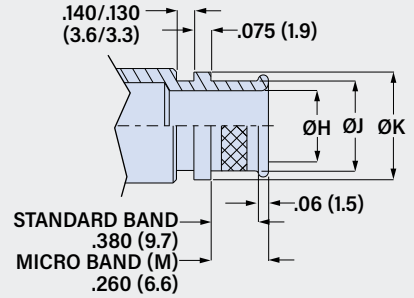
for Series 806 Mil-Aero Connectors

440V*233 Banding Backshell, Shrink Boot, Expanded Clearance



Shell Size	A Thread ISO Metric	øB Max. in	øB Max. mm	øC ± .005 (0.1) in	øC ± .005 (0.1) mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	Max. Entry Size
07	M8 x 1.0-6H	.640	16.3	.209	53.1	1.893	48.1	1.883	47.8	1.433	36.4	1.423	36.1	04
08	M10 x 1.0-6H	.710	18.0	.269	6.8	1.893	48.1	1.883	47.8	1.433	36.4	1.423	36.1	04
09	M12 x 1.0-6H	.780	19.8	.346	8.8	1.893	48.1	1.883	47.8	1.433	36.4	1.423	36.1	04
10	M14 x 1.0-6H	.880	22.4	.410	10.4	1.955	49.7	1.945	49.4	1.460	37.1	1.450	36.8	06
11	M15 x 1.0-6H	.920	23.4	.471	12.0	1.955	49.7	1.945	49.4	1.460	37.1	1.450	36.8	06
12	M17 x 1.0-6H	1.000	25.4	.539	13.7	2.107	53.5	2.097	53.3	1.485	37.7	1.475	37.5	08
14	M19 x 1.0-6H	1.090	27.7	.592	15.0	2.107	53.5	2.097	53.3	1.485	37.7	1.475	37.5	08
16	M22 x 1.0-6H	1.210	30.7	.740	18.8	2.170	55.1	2.160	54.9	1.541	39.1	1.531	38.9	10
18	M25 x 1.0-6H	1.330	33.8	.856	21.7	2.275	57.8	2.265	57.5	1.580	40.1	1.570	39.9	12
20	M28 x 1.0-6H	1.450	36.8	.980	24.9	2.338	59.4	2.328	59.1	1.606	40.8	1.596	40.5	14
22	M31 x 1.0-6H	1.570	39.9	1.070	27.2	2.399	60.9	2.389	60.7	1.588	40.3	1.578	40.1	16
24	M34 x 1.0-6H	1.700	43.2	1.214	30.8	2.420	61.5	2.410	61.2	1.610	40.9	1.600	40.6	18

ENTRY SIZE



Entry Size	Shell Sizes	øH ± .015 (0.4) in	øH ± .015 (0.4) mm	øJ ± .015 (0.4) in	øJ ± .015 (0.4) mm	øK ± .015 (0.4) in	øK ± .015 (0.4) mm
02	8-24	.125	3.2	.250	6.4	.312	7.9
03	8-24	.188	4.8	.312	7.9	.374	9.5
04	8-24	.250	6.4	.375	9.5	.437	11.1
05	10-24	.312	7.9	.438	11.1	.500	12.7
06	10-24	.375	9.5	.500	12.7	.562	14.3
07	12-24	.438	11.1	.562	14.3	.624	15.8
08	12-24	.500	12.7	.625	15.9	.687	17.4
09	16-24	.562	14.3	.688	17.5	.750	19.1
10	16-24	.625	15.9	.750	19.1	.812	20.6
11	18-24	.688	17.5	.812	20.6	.874	22.2
12	18-24	.750	19.1	.875	22.2	.937	23.8
13	20-24	.812	20.6	.938	23.8	1.000	25.4
14	20-24	.875	22.2	1.000	25.4	1.062	27.0
15	22-24	.938	23.8	1.062	27.0	1.124	28.5
16	22-24	1.000	25.4	1.125	28.6	1.187	30.1
17	24	1.062	27.0	1.188	30.2	1.250	31.8
18	24	1.125	28.6	1.250	31.8	1.312	33.3

SHRINK BOOT

Optional heatshrink boot provides cable strain relief and environmental protection.

Code T, T1: Type 1 high-performance semi-rigid elastomer resists fuels and oils. Operating temperature range -75 to +150 °C. Code T1 adds W1 hot melt adhesive precoat (-40 to +125 °C).

Code H, H1: Type 2 halogen-free polyolefin meets low smoke and toxicity requirements of shipboard, transit and aircraft systems. Operating temperature range -40 to +130 °C. Code H1 adds W1 hot melt adhesive precoat (-40 to +125 °C).

Entry Sizes	Shrink Boot P/N*	Zero Halogen Shrink Boot P/N*
02-03	770-003S111	770-003S211
04-05	770-001S112	770-001S212
06	770-001S103	770-001S203
07-11	770-001S104	770-001S204
12-15	770-001S105	770-001S205
16-17	770-001S106	770-001S206
18	770-001S107	770-001S207

* Add "W1" to the part number for adhesive lined boot

BAND

Optional Band-Master ATS® band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

Standard Band
601-041

Micro Band
601-065

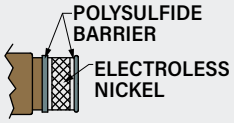
Standard Banding Tool
601-100

Micro Banding Tool
601-101

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



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Dimensions in Inches (millimeters) are subject to change without notice.

Series 44 Banding Backshells

for Series 806 Mil-Aero Connectors

443V*042 Banding Backshell, Shrouded, Expanded Clearance

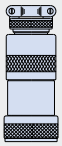
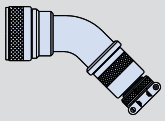
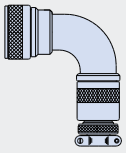
Self-Locking

Prevents splaying of size 8 twinax, quadrax and octaxial contacts. Environmental. "Band-in-a-Can" shield termination. Saddle clamp. 443V*042 banding backshell fits Glenair Series 806 Mil-Aero connectors. Backshell has increased clearance for sealing boots used with size 8 contacts. 45° and 90° profiles have large radius elbows for minimized bending of data cables. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Terminate cable braid shield with band strap (optional). Environmentally sealed with O-rings. Aluminum or stainless steel. Saddle clamp hardware is passivated SST. Silicone O-rings and grommet. Aluminum version has thermoplastic detent spring, stainless steel version has stainless steel detent spring.

Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

PROFILE SELECTION GUIDE

S	M	N
Straight	45°	90°
		

PART NUMBER

443VS042	ME	12	04	-8	K	P

Base P/N

Base Part No.		Profile
443VS042	S	Straight
443VM042	M	45°
443VN042	N	90°

Material / Finish

ME	Aluminum / Electroless Nickel
MT	Aluminum / Nickel-PTFE
NF	Aluminum / Olive Drab Cadmium
ZR	Aluminum / Black Zinc-Nickel
TZ	Aluminum / Tin-Zinc
Z1	Stainless Steel / Passivated

Shell Size

07 08 09 10 11 12 14 16 18 20 22 24

Entry Size

Size	Cable Range Min	Cable Range Max	Shell Sizes
01	.125 (3.2)	.250 (6.4)	7-24
02	.188 (4.8)	.375 (9.5)	10-24
03	.312 (7.9)	.438 (11.1)	11-24
04	.343 (8.7)	.500 (12.7)	12-24
05	.438 (11.1)	.625 (15.9)	16-24
06	.562 (14.3)	.750 (19.1)	18-24
07	.688 (17.5)	.875 (22.2)	20-24
08	.812 (20.6)	1.000 (25.4)	22-24
09	.938 (23.8)	1.125 (28.6)	24

Length

-8	2.0 in.
-10	2.5 in.
-12	3.0 in.
-14	3.5 in.

Length in ¼ inch increments, 2 inch min. Length Code applies to Profile S only. Omit for 45° and 90° profiles.

Band

Omit if not required

K Pre-Coiled Band Included

Polysulfide

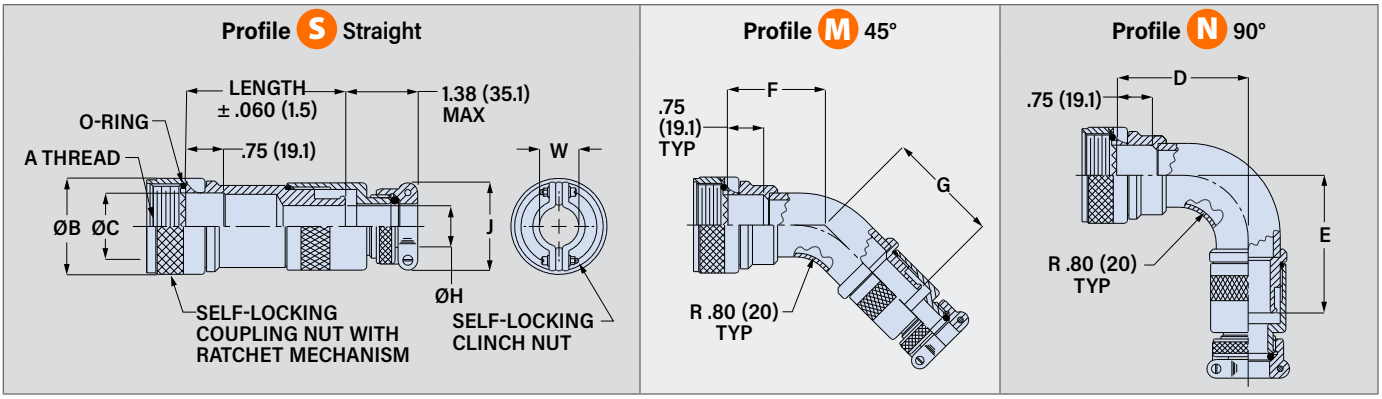
Omit if not required. Applies to Plating Codes NF, ZR, TZ only.

P Nickel Plated Shield Termination Area with Polysulfide Barrier

Series 44 Banding Backshells

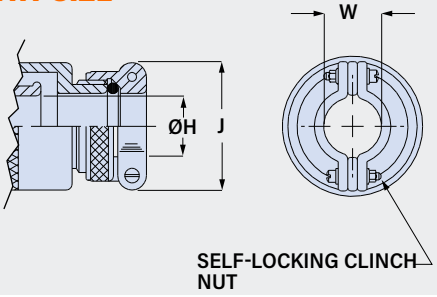
for Series 806 Mil-Aero Connectors

443V*042 Banding Backshell, Shrouded, Expanded Clearance



Shell Size	A Thread ISO Metric	øB Max. in	øB Max. mm	øC ± .005 (0.1) in	øC ± .005 (0.1) mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	Max. Entry Size
07	M8 x 1.0-6H	.640	16.3	.209	53.1	1.893	48.1	1.903	48.3	1.433	36.4	1.443	36.7	01
08	M10 x 1.0-6H	.710	18.0	.269	6.8	1.893	48.1	1.903	48.3	1.433	36.4	1.443	36.7	01
09	M12 x 1.0-6H	.780	19.8	.346	8.8	1.893	48.1	1.903	48.3	1.433	36.4	1.443	36.7	01
10	M14 x 1.0-6H	.880	22.4	.410	10.4	1.955	49.7	1.965	49.9	1.460	37.1	1.470	37.3	02
11	M15 x 1.0-6H	.920	23.4	.471	12.0	1.955	49.7	1.965	49.9	1.460	37.1	1.470	37.3	02
12	M17 x 1.0-6H	1.000	25.4	.539	13.7	2.107	53.5	2.117	53.8	1.485	37.7	1.495	38.0	04
14	M19 x 1.0-6H	1.090	27.7	.592	15.0	2.107	53.5	2.117	53.8	1.485	37.7	1.495	38.0	04
16	M22 x 1.0-6H	1.210	30.7	.740	18.8	2.170	55.1	2.180	55.4	1.541	39.1	1.551	39.4	05
18	M25 x 1.0-6H	1.330	33.8	.856	21.7	2.275	57.8	2.285	58.0	1.580	40.1	1.590	40.4	06
20	M28 x 1.0-6H	1.450	36.8	.980	24.9	2.338	59.4	2.348	59.6	1.606	40.8	1.616	41.0	07
22	M31 x 1.0-6H	1.570	39.9	1.070	27.2	2.399	60.9	2.409	61.2	1.588	40.3	1.598	40.6	08
24	M34 x 1.0-6H	1.700	43.2	1.214	30.8	2.420	61.5	2.430	61.7	1.610	40.9	1.620	41.1	09

ENTRY SIZE



Entry Size	Cable Range Min. in	Cable Range Min. mm	Cable Range Max. in	Cable Range Max. mm	J Max. in	J Max. mm	W Closed in	W Closed mm	ø H in	ø H mm	Shell Sizes
01	.125	3.2	.250	6.4	1.05	26.7	.264	6.7	.25	6.4	8-24
02	.188	4.8	.375	9.5	1.20	30.5	.344	8.7	.37	9.4	10-24
03	.312	7.9	.438	11.1	1.30	33.0	.460	11.7	.43	10.9	11-24
04	.343	8.7	.500	12.7	1.44	36.6	.545	13.8	.50	12.7	12-24
05	.438	11.1	.625	15.9	1.69	42.9	.698	17.7	.62	15.7	16-24
06	.562	14.3	.750	19.1	1.77	45.0	.780	19.8	.75	19.1	18-24
07	.688	17.5	.875	22.2	2.12	53.8	.950	24.1	.87	22.1	20-24
08	.812	20.6	1.000	25.4	2.50	63.5	1.015	25.8	1.00	25.4	22-24
09	.938	23.8	1.125	28.6	2.62	66.5	1.187	30.1	1.12	28.4	24

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

The Band-Master ATS® Advanced Cable Shield Termination System provides excellent static loading and corrosion resistance in electrical wire interconnect systems.

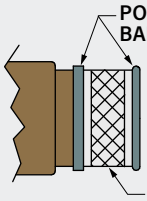
Band
601-041

Banding Tool
601-100

POLYSULFIDE

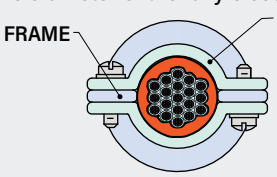
Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



APPLICATION NOTE

This backshell has a full radius saddle clamp. This type of strain relief is designed to be fully closed. Saddle bars should be bottomed onto frame. Build up cable diameter with tape or sleeve to meet the diameter of the fully closed clamp.



FULL RADIUS SADDLE CLAMP
SADDLE BARS SHOULD BE FULLY BOTTOMED ONTO FRAME.

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Series 44 Banding Backshells

for Series ITS, VG95234 Connectors

440R*030 Banding Backshell, Shrink Boot

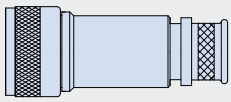
Spin coupling. Band-Master ATS® shield termination. 440R *030 banding adapter fits Series ITS and most VG95234 reverse bayonet connectors. Terminate cable braid shield to adapter with optional band strap. Optional shrink boot adds strain relief and environmental protection. Aluminum or stainless steel, silicone O-ring.

Adapter Code R

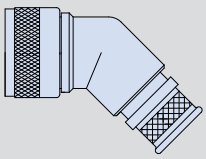
This accessory fits these connectors:
Series ITS, most VG95234 connectors

PROFILE SELECTION GUIDE

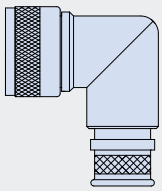
S Straight



H 45°



J 90°



PART NUMBER

	440RS030	NF	18	06-	4	K	P	T

Base P/N

Base Part No.		Profile
440RS030	S	Straight
440RH030	H	45°
440RJ030	J	90°

Material/Finish

M	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size

Size Code	Shell Size	Size Code	Shell Size
10	10SL	24	24
14	14S	28	28
16	16, 16S	32	32
18	18	36	36
20	20	40	40
22	22		

Entry Size — *See Table 1*

Length

3	1.5 inches
4	2.0 inches
5	2.5 inches
6	3.0 inches

Applies to Profile S only

Band

Omit if not required
K Pre-Coiled Band Included With Adapter

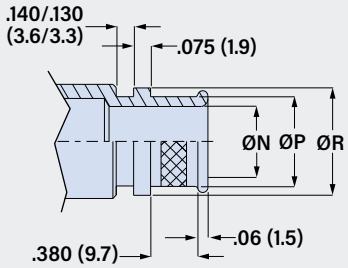
Polysulfide

Omit if not required. Applies to Plating Codes NF, ZR, TZ only.
P Nickel Plated Shield Termination Area with Polysulfide Barrier

Shrink Boot

Omit if not required
T Shrink Boot Included With Adapter
S Zero Halogen Shrink Boot Included With Adapter

TABLE 1: ENTRY SIZE



Entry Size	Shell Sizes	øN ± .015(0.4) in	øN mm	øP ± .015(0.4) in	øP mm	øR ± .015(0.4) in	øR mm
01	10-40	.125	3.2	.250	6.4	.312	7.9
31	10-40	.188	4.8	.312	7.9	.375	9.5
02	10-40	.250	6.4	.375	9.5	.438	11.1
32	10-40	.312	7.9	.438	11.1	.500	12.7
03	10-40	.375	9.5	.500	12.7	.562	14.3
33	14-40	.438	11.1	.562	14.3	.625	15.9
04	14-40	.500	12.7	.625	15.9	.687	17.4
34	14-40	.562	14.3	.688	17.5	.750	19.1
05	16-40	.625	15.9	.750	19.1	.812	20.6
35	18-40	.688	17.5	.812	20.6	.875	22.2
06	18-40	.750	19.1	.875	22.2	.938	23.8
36	20-40	.812	20.6	.938	23.8	1.000	25.4

Entry Size	Shell Sizes	øN ± .015(0.4) in	øN mm	øP ± .015(0.4) in	øP mm	øR ± .015(0.4) in	øR mm
07	20-40	.875	22.2	1.000	25.4	1.062	27.0
37	22-40	.938	23.8	1.062	27.0	1.125	28.6
08	20-40	1.000	25.4	1.125	28.6	1.188	30.2
38	24-40	1.062	27.0	1.188	30.2	1.250	31.8
09	28-40	1.125	28.6	1.250	31.8	1.312	33.3
10	32-40	1.250	31.8	1.375	34.9	1.438	36.5
11	32-40	1.375	34.9	1.500	38.1	1.562	39.7
12	32-40	1.500	38.1	1.625	41.3	1.688	42.9
13	36-40	1.625	41.3	1.750	44.5	1.812	46.0
14	36-40	1.750	44.5	1.875	47.6	1.938	49.2
15	40	1.875	47.6	2.000	50.8	2.062	52.4
16	40	2.000	50.8	2.125	54.0	2.188	55.6

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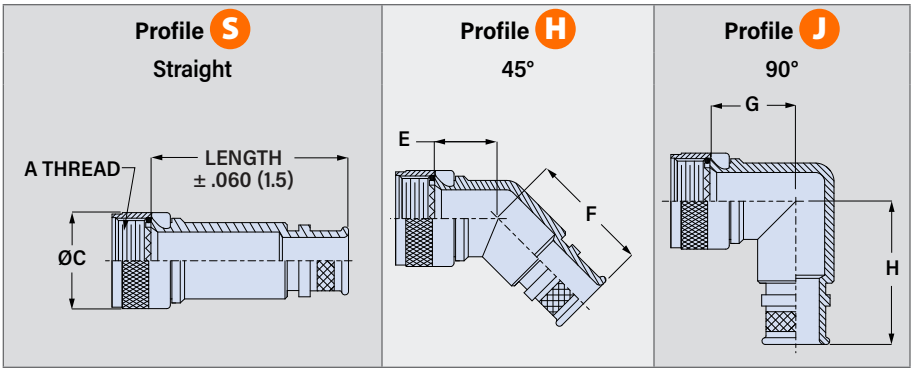
Series 44 Banding Backshells

for Series ITS, VG95234 Connectors

440R*030 Banding Backshell, Shrink Boot



Shell Size Code	Shell Size	AThread Class 2B	øC Max in	øC Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	Max. Entry Size
10	10SL	0.6250-24 UNEF	.850	21.6	.982	24.9	1.100	27.9	1.184	30.1	1.304	33.1	03
14	14S	0.7500-20 UNEF	1.000	25.4	.995	25.3	1.115	28.3	1.215	30.9	1.335	33.9	04
16	16, 16S	0.8750-20 UNEF	1.130	28.7	1.021	25.9	1.141	29.0	1.287	32.7	1.398	35.5	05
18	18	1.0000-20 UNEF	1.380	35.1	1.047	26.6	1.167	29.6	1.340	34.0	1.460	37.1	06
20	20	1.1250-18 UNEF	1.500	38.1	1.073	27.3	1.193	30.3	1.402	35.6	1.523	38.7	07
22	22	1.2500-18 UNEF	1.630	41.4	1.099	27.9	1.219	31.0	1.465	37.2	1.585	40.3	07
24	24	1.3750-18 UNEF	1.750	44.5	1.133	28.8	1.253	31.8	1.548	39.3	1.668	42.4	38
28	28	1.6250-18 UNEF	1.980	50.3	1.177	29.9	1.297	32.9	1.653	42.0	1.773	45.0	09
32	32	1.8750-16 UN	2.230	56.6	1.229	31.2	1.349	34.3	1.778	45.2	1.898	48.2	12
36	36	2.0625-16 UNS	2.480	63.0	1.267	32.2	1.387	35.2	1.871	47.5	1.991	50.6	14
40	40	2.3125-16 UNS	2.730	69.3	1.332	33.8	1.452	36.9	2.028	51.5	2.148	54.6	16

BAND

Optional SST band strap provides fast, cost-effective and highly reliable termination of braided metallic shielding.

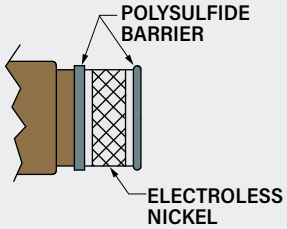
Band
601-041

Banding Tool
601-100

POLYSULFIDE

Optional selective electroless nickel plating on shield termination area and polysulfide dielectric barrier prevents galvanic mismatch between nickel-coated braid shield and backshell.

⚠ *Plating codes NF, ZR and TZ only*



SHRINK BOOT

Optional heatshrink boot provides environmental protection and cable strain relief.

Code T: Type 1 high-performance semi-rigid elastomer resists fuels and oils and withstands temperature extremes. Operating temperature range -75 to +150 °C.

Code S: Type 2 halogen-free polyolefin meets low smoke and toxicity requirements of shipboard, transit and aircraft systems. Operating temperature range -40 to +130 °C.

Entry Sizes	Shrink Boot P/N	Zero Halogen Shrink Boot P/N
01-31	770-003S111	770-003S211
02	770-003S112	770-003S212
32-03	770-001S103	770-001S203
33-05	770-001S104	770-001S204
35-07	770-001S105	770-001S205
37-08	770-001S106	770-001S206
38-11	770-001S107	770-001S207
12-14	770-001S108	770-001S208
15-16	770-001S109	770-001S209

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Qwik-Ty® Strain Reliefs

Selection Guide

- Light weight, low profile
- Straight, 45° and 90° profiles
- Aluminum or corrosion-proof composite
- EMI banding adapters (composite versions)
- EMI braid sock adapters (composite versions)
- Self-locking coupling nuts

Series 45 Qwik-Ty® Strain Reliefs

Series 45 Qwik-Ty strain reliefs have an arm with a recess for attaching a cable tie (not supplied). Economical and fast-to-assemble, Qwik-Ty adapters are a good choice for high-volume, non-environmental applications. Qwik-Ty's are available for standard mil spec circular connectors, Series 80 Mighty Mouse and Series 806 Mil-Aero connectors.

Qwik-Ty's are available in straight, 45° and 90° profiles. Options include silicone rubber pads and ground lugs. Self-locking coupling nuts protect against loosening under vibration.

Lightweight, corrosion-proof ***composite EMI Qwik-Ty's*** have an internal "drop in" EMI banding adapter for terminating shield braid.

Composite braid sock Quik-Ty's have a metal EMI adapter crimped to a user-specified length of shield braid. Braid choices include tinned or nickel-coated copper, along with lightweight, high strength AmberStrand® or ArmorLite® braid.

Styles

1 Spin Coupling

2 Self-Locking

3 Direct Coupling

4 Composite

5 Composite with Ground Lug

6 Composite with Banding Adapter

7 Composite with Braid Sock

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Qwik-Ty® Strain Reliefs

Selection Guide

Adapter Code A
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

Qwik-Ty Strain Relief, Spin Coupling
450A*001
Page 45-3

Qwik-Ty Strain Relief, Self-Locking
450A*043
Page 45-4

Qwik-Ty Strain Relief, Composite
450A*029
Page 45-5

Qwik-Ty Strain Relief, Composite, Ground Lug
450A*030
Page 45-6

Qwik-Ty Strain Relief, Composite, EMI Adapter
457A*044
Page 45-7

Qwik-Ty Strain Relief, Composite EMI Braid Sock
450A*047
Page 45-8

Adapter Code D
MIL-DTL-26482 Series I

Qwik-Ty Strain Relief, Direct and Spin Coupling
450D*001
Page 45-24

Adapter Code E
MIL-DTL-26500

Qwik-Ty Strain Relief, Direct and Spin Coupling
450E*001
Page 45-25

Adapter Code G
MIL-DTL-28840

Qwik-Ty Strain Relief, Spin Coupling
450G*001
Page 45-26

Adapter Code F
MIL-DTL-38999 Series I and II

Qwik-Ty Strain Relief, Spin Coupling
450F*001
Page 45-10

Qwik-Ty Strain Relief, Self-Locking
450F*043
Page 45-11

Qwik-Ty Strain Relief, Composite
450F*029
Page 45-12

Qwik-Ty Strain Relief, Composite, Ground Lug
450F*030
Page 45-13

Qwik-Ty Strain Relief, Composite, EMI Adapter
457F*044
Page 45-14

Qwik-Ty Strain Relief, Composite EMI Braid Sock
450F*047
Page 45-15

Adapter Code H
MIL-DTL-38999 Series III and IV

Qwik-Ty Strain Relief, Spin Coupling
450H*001
Page 45-17

Qwik-Ty Strain Relief, Self-Locking
450H*043
Page 45-18

Qwik-Ty Strain Relief, Composite
450H*029
Page 45-19

Qwik-Ty Strain Relief, Composite, Ground Lug
450H*030
Page 45-20

Qwik-Ty Strain Relief, Composite, EMI Adapter
457H*044
Page 45-21

Qwik-Ty Strain Relief, Composite EMI Braid Sock
450H*047
Page 45-22

Adapter Code M
Series 80 Mighty Mouse

Qwik-Ty Strain Relief, Spin Coupling
450M*001
Page 45-27

Qwik-Ty Strain Relief, Series 805, Composite
450M*050
Page 45-28

Adapter Code V
Series 806 Mil-Aero

Qwik-Ty Strain Relief, Composite, EMI Adapter
457V*048
Page 45-21

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Qwik-Ty® Strain Reliefs

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

450A*001 Qwik-Ty Strain Relief

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

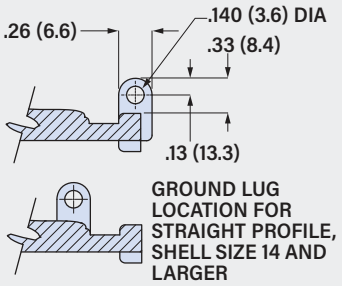
Lightweight,, economical, fast-to-install. 450A*001 Qwik-Ty® strain reliefs fit AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III connectors. Spin coupling. Secure wire bundle with plastic strap or lacing tape (not supplied). Optional ground lug provides thru-hole for attaching a ring terminal. Aluminum alloy.

PART NUMBER

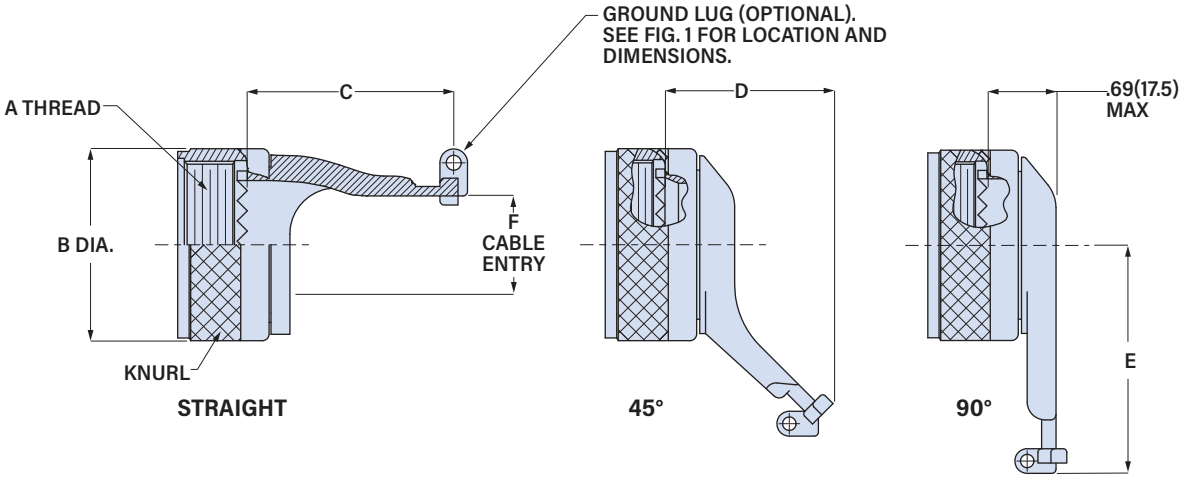
	450AS001	M	18	G

Base P/N	**450AS001** Straight **450AA001** 90° **450AB001** 45°
Finish	**C** Black Anodize **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFE **ZR** Black Zinc-Nickel **TZ** Tin-Zinc
Shell Size	**08 10 12 14 16 18 20 22 24**
Ground Lug	*Omit if not required* **G** Ground Lug

FIGURE 1: GROUND LUG



Shell Size	A Thread Class 2B	øB Max. In.	øB Max. mm.	C Max. In.	C Max. mm.	D Max. In.	D Max. mm.	E Max. In.	E Max. mm.	F ± .015 (0.4) In.	F ± .015 (0.4) mm.
08	0.500-20 UNF	.65	16.5	.866	22.0	1.066	27.1	.89	22.6	.260	6.6
10	0.625-24 UNEF	.77	19.6	.866	22.0	1.066	27.1	.95	24.1	.365	9.3
12	0.750-20 UNEF	.94	23.9	.926	23.5	1.066	27.1	1.01	25.7	.501	12.7
14	0.875-20 UNEF	1.02	25.9	1.106	28.1	1.188	30.2	1.33	33.8	.575	14.6
16	1.000-20 UNEF	1.21	30.7	1.106	28.1	1.226	31.1	1.39	35.3	.700	17.8
18	1.0625-18 UNEF	1.23	31.2	1.176	29.9	1.226	31.1	1.46	37.1	.779	19.8
20	1.1875-18 UNEF	1.36	34.5	1.306	33.2	1.226	31.1	1.51	38.4	.904	23.0
22	1.3125-18 UNEF	1.48	37.6	1.426	36.2	1.226	31.1	1.57	39.9	1.029	26.1
24	1.4375-18 UNEF	1.73	43.9	1.556	39.5	1.406	35.7	1.64	41.7	1.144	29.1



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Qwik-Ty® Strain Reliefs

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

450A*043 Qwik-Ty Strain Relief, Self-Locking

Self-Locking

Adapter Code A

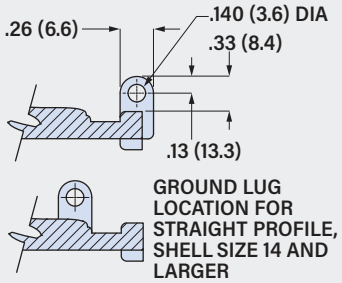
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Lightweight, self-locking, fast-to-install. 450A*043 Qwik-Ty® clamps fit AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III connectors. Secure wire bundle to Qwik-Ty arm with plastic strap or lacing tape (not supplied). Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Optional ground lug for attachment of ring terminal. Aluminum alloy. Anti-decoupling spring is thermoplastic.

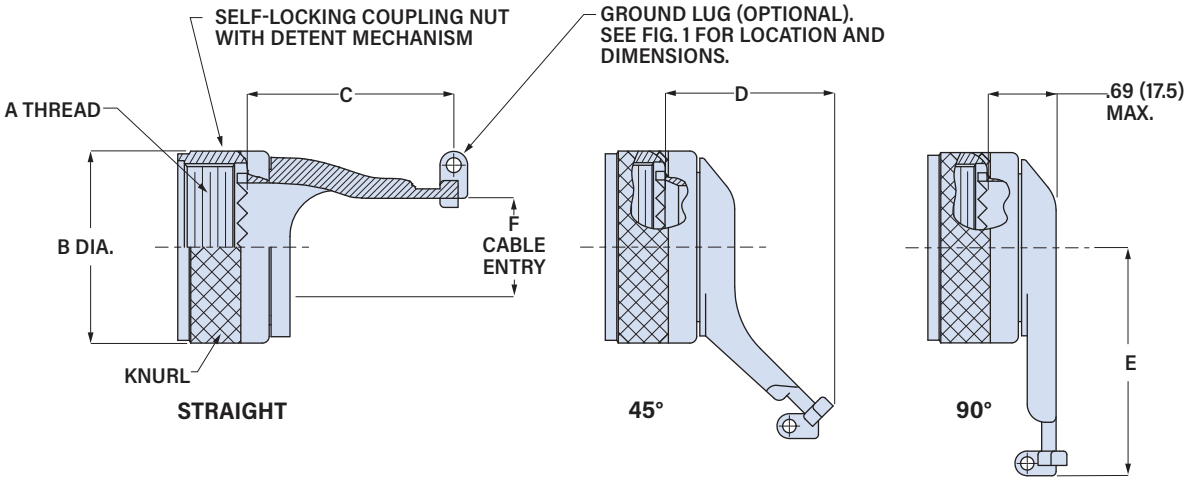
PART NUMBER

	450AS043	M	18	G
Base P/N	**450AS043** Straight **450AA043** 90° **450AB043** 45°			
Finish	**C** Black Anodize **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFE **ZR** Black Zinc-Nickel **TZ** Tin-Zinc			
Shell Size	**08 10 12 14 16 18 20 22 24**			
Ground Lug	*Omit if not required* **G** Ground Lug			

FIGURE 1: GROUND LUG



Shell Size	A Thread Class 2B	øB Max. In.	øB Max. mm.	C Max. In.	C Max. mm.	D Max. In.	D Max. mm.	E Max. In.	E Max. mm.	F ± .015 (0.4) In.	F ± .015 (0.4) mm.
08	0.500-20 UNF	.69	17.5	.95	24.1	1.19	30.2	.89	22.6	.260	6.6
10	0.625-24 UNEF	.82	20.8	1.00	25.4	1.19	30.2	.95	24.1	.365	9.3
12	0.750-20 UNEF	.94	23.9	1.02	25.9	1.19	30.2	1.01	25.7	.501	12.7
14	0.875-20 UNEF	1.06	26.9	1.19	30.2	1.32	33.5	1.33	33.8	.575	14.6
16	1.000-20 UNEF	1.17	29.7	1.19	30.2	1.32	33.5	1.39	35.3	.700	17.8
18	1.0625-18 UNEF	1.29	32.8	1.30	33.0	1.32	33.5	1.46	37.1	.779	19.8
20	1.1875-18 UNEF	1.42	36.1	1.43	36.3	1.32	33.5	1.51	38.4	.904	23.0
22	1.3125-18 UNEF	1.54	39.1	1.52	38.6	1.32	33.5	1.57	39.9	1.029	26.1
24	1.4375-18 UNEF	1.66	42.2	1.64	41.7	1.32	33.5	1.64	41.7	1.144	29.1



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Qwik-Ty® Strain Reliefs

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

450A*029 Qwik-Ty Strain Relief, Composite

Self-Locking

Adapter Code A

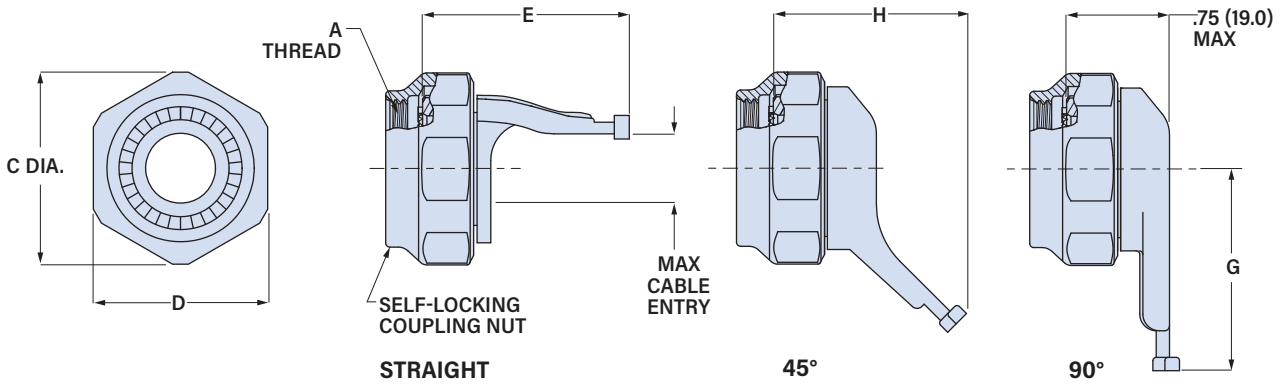
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Lightweight, self-locking, corrosion-proof. 450A*029 composite Qwik-Ty® clamps fit AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III connectors. High performance glass-reinforced material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included). Straight, 45° or 90°. Polyetherimide material with thermoplastic anti-decoupling spring.

PART NUMBER

	450AS029	XO	18

Base P/N	**450AS029**	Straight
	450AA029	90°
	450AB029	45°
Finish	**XB**	No Plating, Color Black
	XO	No Plating, Color Brown
	XM	Electroless Nickel
	XMT	Nickel-PTFE
	XW	Olive Drab Cadmium
	XZN	Black Zinc-Nickel
Shell Size	**08 10 12 14 16 18 20 22 24 28***	
	**Size 28 available straight and 90° only*	



Shell Size	A Thread Class 2B	øC Max In.	øC Max mm.	D Hex Flats In.	D Hex Flats mm.	E Max In.	E Max mm.	G Max In.	G Max mm.	H Max In.	H Max mm.	Max Cable Entry. In.	Max Cable Entry. mm.
08	0.500-20 UNF	.86	21.8	.750	19.1	1.14	29.0	1.22	31.0	1.14	29.0	.25	6.4
10	0.625-24 UNEF	.98	24.9	.875	22.4	1.14	29.0	1.29	32.8	1.14	29.0	.38	9.7
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	1.20	30.5	1.62	41.1	1.14	29.0	.50	12.7
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	1.38	35.1	1.66	42.2	1.64	41.7	.63	16.0
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	1.38	35.1	1.72	43.7	1.64	41.7	.75	19.1
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	1.44	36.6	1.72	43.7	1.74	44.2	.81	21.8
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.57	39.9	1.79	45.5	1.74	44.2	.94	23.9
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.69	42.9	1.85	47.0	1.74	44.2	1.06	26.9
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.83	46.5	1.91	48.5	1.95	49.5	1.19	30.2
28	1.750-18 UNS	2.16	54.9	2.000	50.8	1.99	50.5	2.07	52.6	N/A	N/A	1.38	35.1

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Qwik-Ty® Strain Reliefs

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

450A*030 Qwik-Ty Strain Relief, Composite, with Ground Lug

Self-Locking

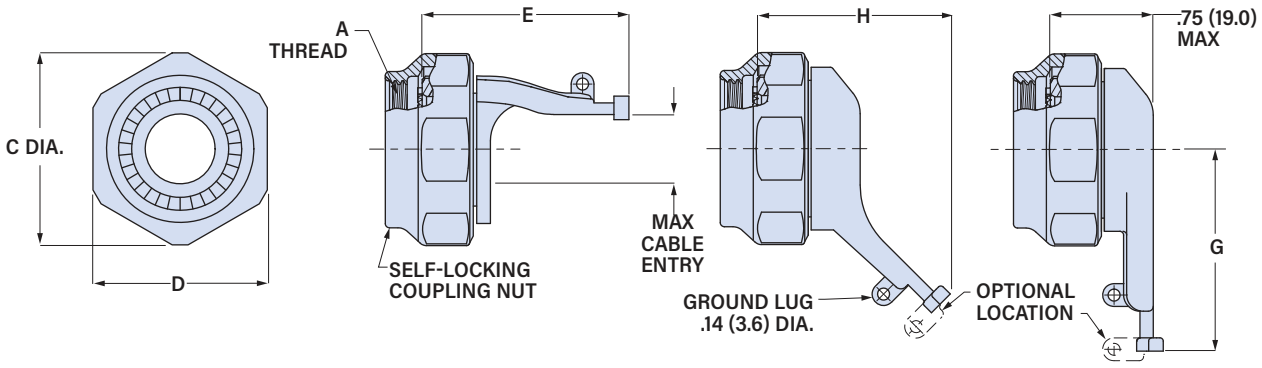
Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Lightweight, self-locking, ground lug. 450A*030 Qwik-Ty® strain relief fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Metallized composite Qwik-Ty has ground lug for attaching a ring terminal with #4 screw. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included). High performance composite thermoplastic material.

PART NUMBER

	450AS030	XM	18
Base P/N	**450AS030** Straight **450AA030** 90° **450AB030** 45°		
Finish		**XM** Electroless Nickel **XMT** Nickel-PTFE **XW** Olive Drab Cadmium **XZN** Black Zinc-Nickel	
Shell Size	**08 10 12 14 16 18 20 22 24 28*** **Size 28 not available with 45° profileW*		



Shell Size	A Thread Class 2B	øC Max In.	øC Max mm.	D Hex Flats In.	D Hex Flats mm.	E Max In.	E Max mm.	G Max In.	G Max mm.	H Max In.	H Max mm.	Max Cable Entry In.	Max Cable Entry mm.
08	0.500-20 UNF	.86	21.8	.750	19.1	1.14	29.0	1.22	31.0	1.14	29.0	.25	6.4
10	0.625-24 UNEF	.98	24.9	.875	22.4	1.14	29.0	1.29	32.8	1.14	29.0	.38	9.7
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	1.20	30.5	1.62	41.1	1.14	29.0	.50	12.7
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	1.38	35.1	1.66	42.2	1.64	41.7	.63	16.0
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	1.38	35.1	1.72	43.7	1.64	41.7	.75	19.1
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	1.44	36.6	1.72	43.7	1.74	44.2	.81	21.8
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.57	39.9	1.79	45.5	1.74	44.2	.94	23.9
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.69	42.9	1.85	47.0	1.74	44.2	1.06	26.9
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.83	46.5	1.91	48.5	1.95	49.5	1.19	30.2
28	1.750-18 UNS	2.16	54.9	2.000	50.8	1.99	50.5	2.07	52.6	N/A	N/A	1.38	35.1

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Qwik-Ty® Strain Reliefs

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

457A*044 Qwik-Ty Strain Relief, Composite, with EMI Band Adapter

Self-Locking

Adapter Code A

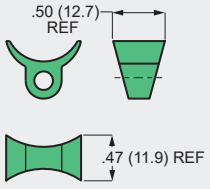
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Low profile. Light weight. Band-Master shield termination. 457A*044 Qwik-Ty® strain relief fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Terminate cable shield to adapter with Band-Master strap (purchased separately). "T" slots in adapter accept individual shields.Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Attach wire bundle to arm with cable tie (not supplied). Optional rubber pad provides wire cushioning. Black thermoplastic body, coupling nut and detent spring, aluminum banding adapter, fluorosilicone spacer pad.

PART NUMBER

	457AB044	M	12	P
Base P/N	**457AS044** Straight **457AA044** 90° **457AB044** 45°			
Banding Adapter Finish		**M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFE		
Shell Size			**08 10 12 14 16 18 20 22 24**	
Rubber Spacer Pad				*Omit if not required* **P** Supplied with optional rubber spacer pad (fig. 1)

FIGURE 1: SPACER PAD



Material: fluorosilicone

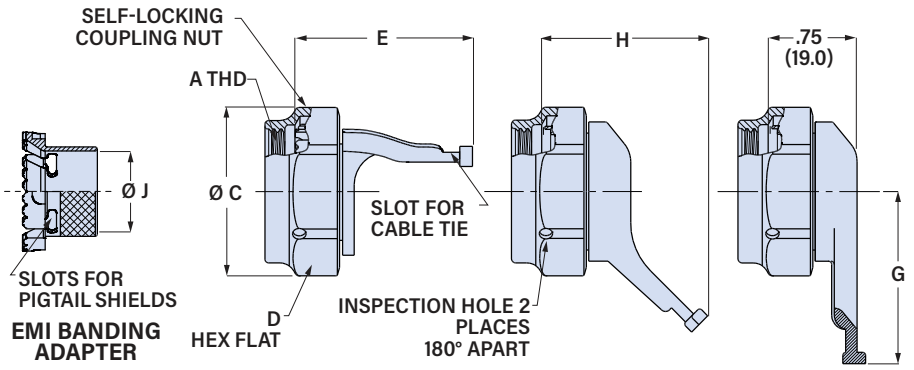
BANDING STRAP

Terminate cable braid to backshell with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Diameter
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.88 (47.8)



Shell Size	A Thread Class 2B	øC Max In.	øC Max mm.	D Hex Flats In.	D Hex Flats mm.	E Max In.	E Max mm.	G Max In.	G Max mm.	H Max In.	H Max mm.	J ± .015 (0.4) In.	J ± .015 (0.4) mm.
08	0.500-20 UNF	.86	21.8	.750	19.1	1.28	32.5	1.22	31.0	1.14	29.0	.140	3.6
10	0.625-24 UNEF	.98	24.9	.875	22.4	1.28	32.5	1.29	32.8	1.14	29.0	.270	6.9
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	1.44	36.6	1.62	41.1	1.14	29.0	.390	9.9
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	1.51	38.4	1.66	42.2	1.64	41.7	.512	13.0
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	1.51	38.4	1.72	43.7	1.64	41.7	.637	16.2
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	1.57	39.9	1.72	43.7	1.74	44.2	.757	19.2
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	1.71	43.4	1.79	45.5	1.74	44.2	.881	22.4
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	1.83	46.5	1.85	47.0	1.74	44.2	1.006	25.6
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	1.95	51.0	1.91	48.5	1.95	49.5	1.131	28.7

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Qwik-Ty® Strain Reliefs

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

450A*047 Qwik-Ty Strain Relief, Composite, with Braid Sock

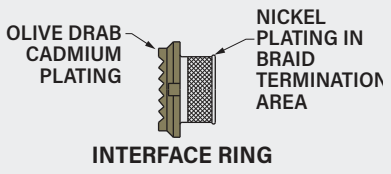
Self-Locking

Shielded. Self-locking. Composite. Qwik-Ty® strain relief has brass EMI adapter attached to 12 inches (30 cm) of shielding braid. Fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Coupling nut and body are glass fiber filled PEI, black color. Tin-plated copper alloy crimp ring. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included). Straight, 45° and 90° profiles.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

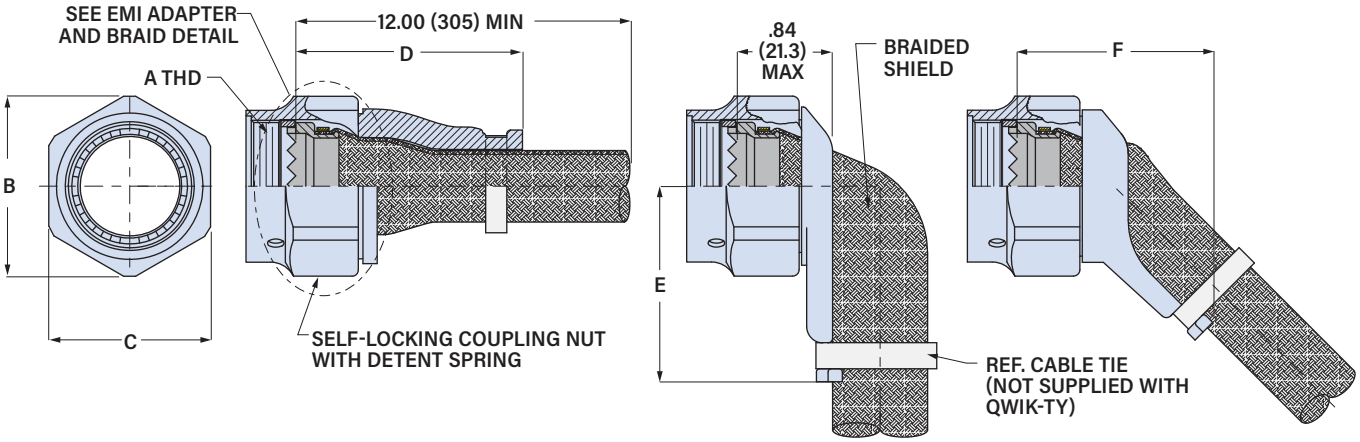
FIGURE 1: FINISH CODE XN



PART NUMBER

	450AS047	XB	10	L	R	14

Base P/N	**450AS047** Straight **450AA047** 90° **450AB047** 45°
EMI Adapter Finish	**XB** Electroless Nickel **XMT** Nickel/PTFE **XN** Olive Drab Cadmium, selective *(fig.1)*
Shell Size	**08 10 12 14 16 18 20 22 24**
Braid Type	*Omit for standard 34 AWG nickel/copper braid* **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** Microfilament ArmorLite®W Nickel/SST Braid
Split Ring and Band	*Omit if not required* **R** Split ring and coiled band supplied with clamp
Braid Length	*Omit for standard 12 inch length* **14** Length in 1 inch increments, 6 inch min. "14" = 14 inches.



Shell Size	A Thread Class 2B	øB Max In.	øB Max mm.	C Hex Flats In.	C Hex Flats mm.	D Max In.	D Max mm.	E Max In.	E Max mm.	F Max In.	F Max mm.
08	0.500-20 UNF	.86	21.8	.750	19.1	1.55	39.4	1.47	37.3	1.39	35.3
10	0.625-24 UNEF	.98	24.9	.875	22.4	1.55	39.4	1.54	39.1	1.39	35.3
12	0.750-20 UNEF	1.16	29.5	1.000	25.4	1.79	45.5	1.87	47.5	1.39	35.3
14	0.875-20 UNEF	1.28	32.5	1.125	28.6	1.79	45.5	1.91	48.5	1.89	48.0
16	1.000-20 UNEF	1.41	35.8	1.250	31.8	1.94	49.3	1.97	50.0	1.89	48.0
18	1.0625-18 UNEF	1.52	38.6	1.375	34.9	1.98	50.3	1.97	50.0	1.99	50.5
20	1.1875-18 UNEF	1.64	41.7	1.500	38.1	2.16	54.9	2.04	51.8	1.99	50.5
22	1.3125-18 UNEF	1.77	45.0	1.625	41.3	2.24	56.9	2.10	53.3	1.99	50.5
24	1.4375-18 UNEF	1.89	48.0	1.750	44.5	2.40	61.0	2.16	54.9	2.20	55.9

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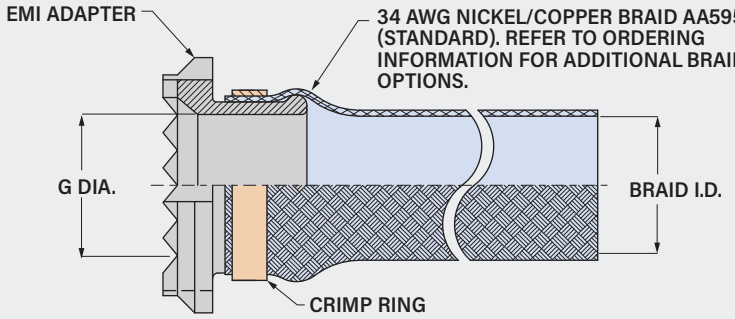
Qwik-Ty® Strain Reliefs

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

450A*047 Qwik-Ty Strain Relief, Composite, with Braid Sock

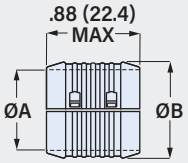
EMI ADAPTER AND BRAID DETAIL



Shell Size	ø G ± .015 (0.4) In.	mm.	Braid I.D. In.	mm.
08	.265	6.73	.375	9.53
10	.370	9.40	.375	9.53
12	.506	12.85	.500	12.70
14	.580	14.73	.500	12.70
16	.705	17.91	.781	19.84
18	.784	19.91	.781	19.84
20	.909	23.09	1.000	25.40
22	1.034	26.26	1.000	25.40
24	1.149	29.18	1.250	31.75

SUPPORT RING AND PRE-COILED BAND (R OPTION)

Optional split support ring provides a reliable, low resistance method of splicing braid sock to wire bundle braid. Snap split ring over wire bundle, then overlap braid sock and cable braid. Install band around split ring and braid using ***Band-Master ATS***® standard banding tool.



687-749 Split Ring

Banding Tool

Shell Size	Support Ring Part Number	øA ± .030 (0.8) In.	mm.	øB ± .030 (0.8) In.	mm.
08	687-749XB04	.25	6.4	.40	10.2
10	687-749XB06	.38	9.7	.53	13.5
12	687-749XB08	.50	12.7	.65	16.5
14	687-749XB10	.63	16.0	.78	19.8
16	687-749XB12	.75	19.1	.90	22.9
18	687-749XB14	.88	22.4	1.03	26.2
20	687-749XB16	1.00	25.4	1.15	29.2
22	687-749XB18	1.13	28.7	1.28	32.5
24	687-749XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut: polyetherimide (PEI)/no finish (black color)
EMI adapter: brass, plated per finish code. For finish code XN, selectively plated as shown in fig. 1.
Crimp ring: copper/tin
Anti-decoupling spring: high grade engineering thermoplastic
Split ring: polyetherimide, black color
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N
Code T: 34 AWG tin-coated copper, type AA59569R34T
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® microfilament nickel-coated 316L stainless steel

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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series I and II Connectors

450F*001 Qwik-Ty Strain Relief

Lightweight,, economical, fast-to-install. 450F*001 Qwik-Ty® strain reliefs fit MIL-DTL-38999 Series I and II connectors. Spin coupling. Secure wire bundle with plastic strap or lacing tape (not supplied). Optional ground lug provides thru-hole for attaching a ring terminal. Aluminum alloy.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

PART NUMBER

	450FS001	M	18	G

Base P/N

450FS001	Straight
450FA001	90°
450FB001	45°

Finish

C	Black Anodize
M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

Size Code

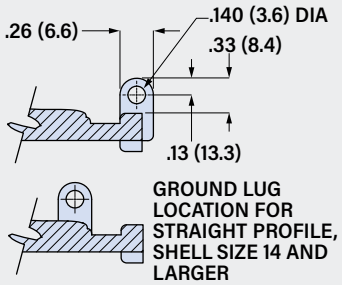
Shell Size									
Series I	9	11	13	15	17	19	21	23	25
Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**

Ground Lug

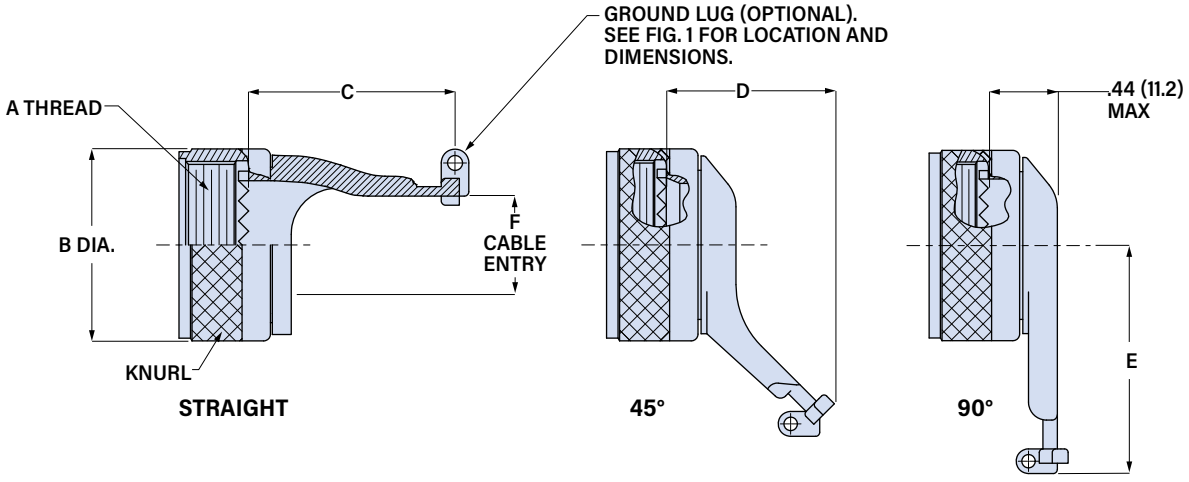
Omit if not required

G	Ground Lug

FIGURE 1 GROUND LUG



Shell Size Series I	Shell Size Series II	A Thread UNEF-2B	øB Max. In.	øB Max. mm.	C Max. In.	C Max. mm.	D Max. In.	D Max. mm.	E Max. In.	E Max. mm.	F ± .015 (0.4) In.	F ± .015 (0.4) mm.
9	8	0.4375-28	.65	16.5	.866	22.0	1.066	27.1	.89	22.6	.250	6.4
11	10	0.5625-24	.77	19.6	.866	22.0	1.066	27.1	.95	24.1	.382	9.7
13	12	0.6875-24	.89	22.6	.925	23.5	1.066	27.1	1.07	27.2	.500	12.7
15	14	0.8125-20	1.02	25.9	1.102	28.0	1.188	30.2	1.33	33.8	.630	16.0
17	16	0.9375-20	1.15	29.2	1.102	28.0	1.224	31.1	1.39	35.3	.750	19.1
19	18	1.0625-18	1.23	31.2	1.177	29.9	1.224	31.1	1.48	37.6	.838	21.3
21	20	1.1875-18	1.36	34.5	1.307	33.2	1.224	31.1	1.66	42.2	.968	24.6
23	22	1.3125-18	1.48	37.6	1.425	36.2	1.224	31.1	1.85	47.0	1.090	27.7
25	24	1.4375-18	1.73	43.9	1.555	39.5	1.224	31.1	1.91	48.5	1.220	31.0



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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series I and II Connectors

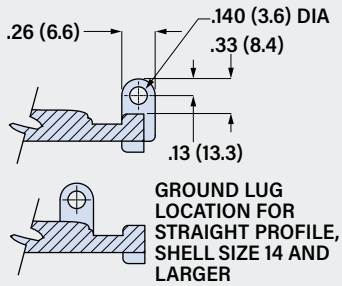
450F*043 Qwik-Ty Strain Relief, Self-Locking

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

FIGURE 1: GROUND LUG



Lightweight, self-locking, fast-to-install. 450F*043 Qwik-Ty clamp fits MIL-DTL-38999 Series I and II connectors. Secure wire bundle to Qwik-Ty arm with plastic strap or lacing tape (not supplied). Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Optional ground lug for attachment of ring terminal. Aluminum alloy. Anti-decoupling spring is thermoplastic.

PART NUMBER

	450FS043	M	18	G

Base P/N

450FS043	Straight
450FA043	90°
450FB043	45°

Finish

C	Black Anodize
M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

Size Code

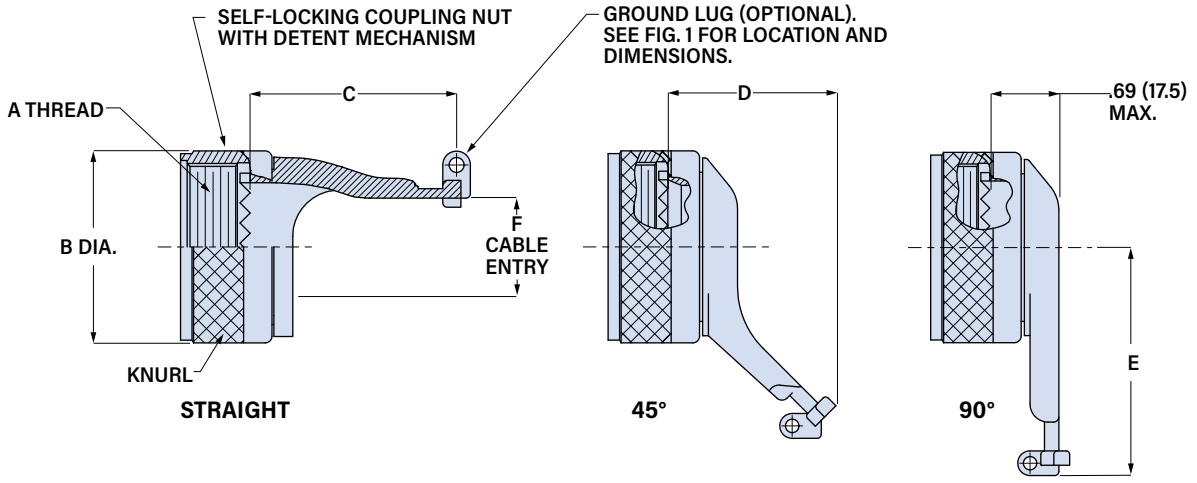
Shell Size									
Series I	9	11	13	15	17	19	21	23	25
Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**

Ground Lug

Omit if not required

G	Ground Lug

Shell Size	A Thread UNEF-2B	øB Max.		C Max.		D Max.		E Max.		F ± .015 (0.4)	
		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
8, 9	0.4375-28	.69	17.5	.95	24.1	1.19	30.2	.89	22.6	.260	6.6
10, 11	0.5625-24	.82	20.8	1.00	25.4	1.19	30.2	.95	24.1	.365	9.3
12, 13	0.6875-24	.94	23.9	1.02	25.9	1.19	30.2	1.01	25.7	.501	12.7
14,15	0.8125-20	1.06	26.9	1.19	30.2	1.32	33.5	1.33	33.8	.575	14.6
16, 17	0.9375-20	1.17	29.7	1.19	30.2	1.32	33.5	1.39	35.3	.700	17.8
18, 19	1.0625-18	1.29	32.8	1.30	33.0	1.32	33.5	1.46	37.1	.779	19.8
20, 21	1.1875-18	1.42	36.1	1.43	36.3	1.32	33.5	1.51	38.4	.904	23.0
22, 23	1.3125-18	1.54	39.1	1.52	38.6	1.32	33.5	1.57	39.9	1.029	26.1
24, 25	1.4375-18	1.66	42.2	1.64	41.7	1.32	33.5	1.64	41.7	1.144	29.1



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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series I and II Connectors

450F*029 Qwik-Ty, Self-Locking, Composite

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Lightweight, self-locking, corrosion-proof. 450F*029 composite Qwik-Ty® strain relief fits MIL-DTL-38999 Series I and II connectors. High performance glass-reinforced material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included). Straight, 45° or 90°. Polyetherimide material with thermoplastic anti-decoupling spring.

PART NUMBER

	450FS029	XO	18

Base P/N

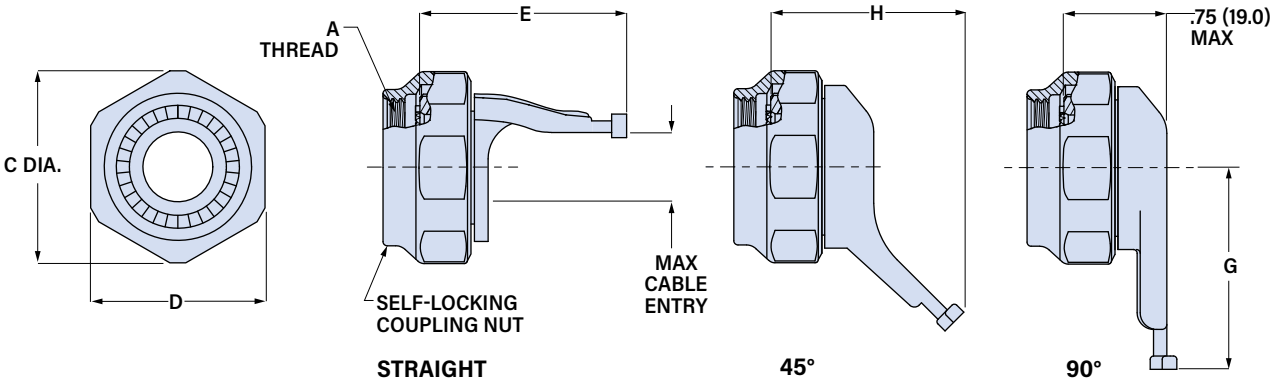
450FS029	Straight
450FA029	90°
450FB029	45°

Material Color

XB	No Plating, Color Black
XO	No Plating, Color Brown
XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XZN	Black Zinc-Nickel

Size Code

Shell Size									
Series I	9	11	13	15	17	19	21	23	25
Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**



Shell Size	A Thread UNEF-2B	øC Max In.	øC Max mm.	D Hex Flats In.	D Hex Flats mm.	E Max In.	E Max mm.	G Max In.	G Max mm.	H Max In.	H Max mm.	Max Cable Entry In.	Max Cable Entry mm.
8, 9	0.4375-28	.86	21.8	.750	19.1	1.14	29.0	1.22	31.0	1.14	29.0	.25	6.4
10, 11	0.5625-24	.98	24.9	.875	22.4	1.14	29.0	1.29	32.8	1.14	29.0	.38	9.7
12, 13	0.6875-24	1.16	29.5	1.000	25.4	1.20	30.5	1.62	41.1	1.14	29.0	.50	12.7
14,15	0.8125-20	1.28	32.5	1.125	28.6	1.38	35.1	1.66	42.2	1.64	41.7	.63	16.0
16, 17	0.9375-20	1.41	35.8	1.250	31.8	1.38	35.1	1.72	43.7	1.64	41.7	.75	19.1
18, 19	1.0625-18	1.52	38.6	1.375	34.9	1.44	36.6	1.72	43.7	1.74	44.2	.81	21.8
20, 21	1.1875-18	1.64	41.7	1.500	38.1	1.57	39.9	1.79	45.5	1.74	44.2	.94	23.9
22, 23	1.3125-18	1.77	45.0	1.625	41.3	1.69	42.9	1.85	47.0	1.74	44.2	1.06	26.9
24, 25	1.4375-18	1.89	48.0	1.750	44.5	1.83	46.5	1.91	48.5	1.95	49.5	1.19	30.2

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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series I and II Connectors

450F*030 Qwik-Ty Strain Relief, Composite, with Ground Lug

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Lightweight, self-locking, ground lug. 450F*030 Qwik-Ty® strain relief fits MIL-DTL-38999 Series I and II connectors. Metallized composite Qwik-Ty has ground lug for attaching a ring terminal with #4 screw. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included). High performance composite thermoplastic material.

PART NUMBER

	450FS030	XM	18

Base P/N

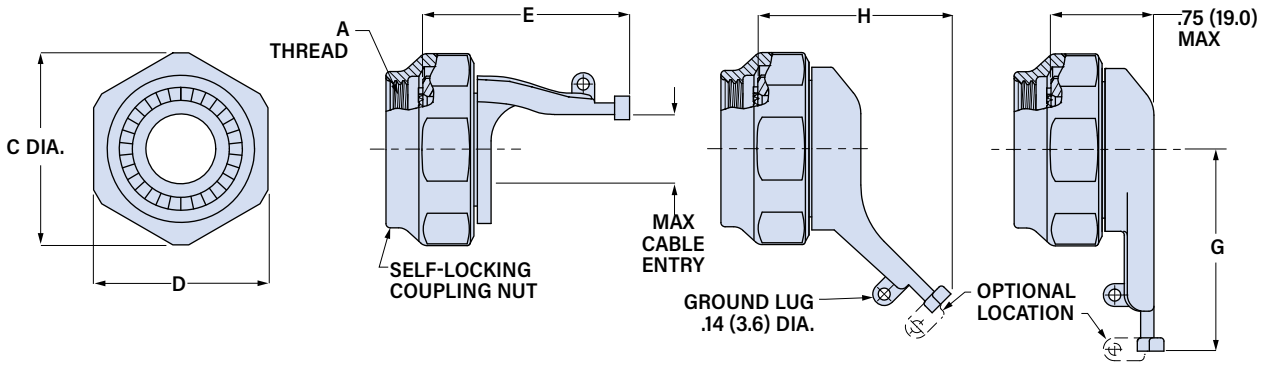
450FS030	Straight
450FA030	90°
450FB030	45°

Finish

XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XZN	Black Zinc-Nickel

Size Code

Shell Size									
Series I	9	11	13	15	17	19	21	23	25
Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**



Shell Size	A Thread UNEF-2B	øC Max		D Hex Flats		E Max		G Max		H Max		Max Cable Entry	
		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
8, 9	0.4375-28	.86	21.8	.750	19.1	1.14	29.0	1.22	31.0	1.14	29.0	.25	6.4
10, 11	0.5625-24	.98	24.9	.875	22.4	1.14	29.0	1.29	32.8	1.14	29.0	.38	9.7
12, 13	0.6875-24	1.16	29.5	1.000	25.4	1.20	30.5	1.62	41.1	1.14	29.0	.50	12.7
14,15	0.8125-20	1.28	32.5	1.125	28.6	1.38	35.1	1.66	42.2	1.64	41.7	.63	16.0
16, 17	0.9375-20	1.41	35.8	1.250	31.8	1.38	35.1	1.72	43.7	1.64	41.7	.75	19.1
18, 19	1.0625-18	1.52	38.6	1.375	34.9	1.44	36.6	1.72	43.7	1.74	44.2	.81	21.8
20, 21	1.1875-18	1.64	41.7	1.500	38.1	1.57	39.9	1.79	45.5	1.74	44.2	.94	23.9
22, 23	1.3125-18	1.77	45.0	1.625	41.3	1.69	42.9	1.85	47.0	1.74	44.2	1.06	26.9
24, 25	1.4375-18	1.89	48.0	1.750	44.5	1.83	46.5	1.91	48.5	1.95	49.5	1.19	30.2

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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series I and II Connectors

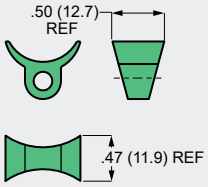
457F*044 Qwik-Ty Strain Relief, Composite, with EMI Band Adapter

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

FIGURE 1: SPACER PAD



Material: fluorosilicone

BANDING STRAP

Terminate cable braid to backshell with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Diameter
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.88 (47.8)

Low profile. Light weight. Band-Master shield termination. 457F*044 Qwik-Ty® strain relief fits MIL-DTL-38999 Series I and Series II connectors. Terminate cable shield to adapter with Band-Master strap (purchased separately). "T" slots in adapter accept individual shields. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Attach wire bundle to arm with cable tie (not supplied). Optional rubber pad provides wire cushioning. Black thermoplastic body, coupling nut and detent spring, aluminum banding adapter, fluorosilicone spacer pad.

PART NUMBER

	457FB044	M	12	P

Base P/N

457FS044	Straight
457FA044	90°
457FB044	45°

Banding Adapter Finish

M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE

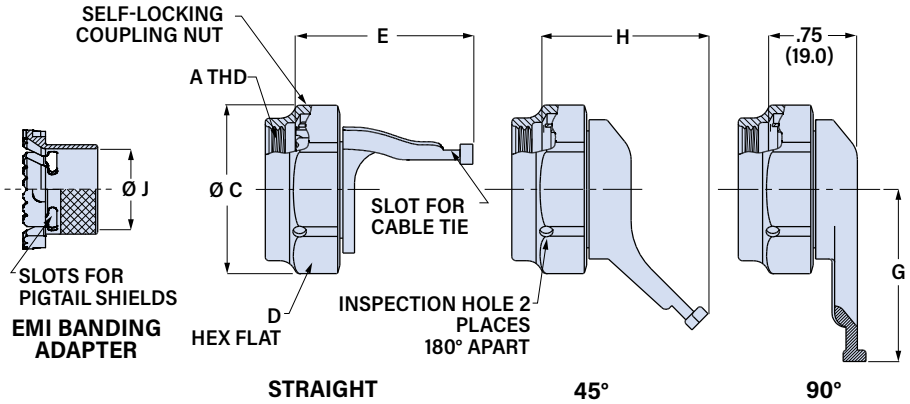
Size Code

Shell Size									
Series I	9	11	13	15	17	19	21	23	25
Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Rubber Spacer Pad

Omit if not required

P	Supplied with optional rubber spacer pad (fig. 1)



Shell Size	A Thread UNEF-2B	øC Max In.	øC Max mm.	D Hex Flats In.	D Hex Flats mm.	E Max In.	E Max mm.	G Max In.	G Max mm.	H Max In.	H Max mm.	J ± .015 (0.4) In.	J ± .015 (0.4) mm.
8, 9	0.4375-28	.86	21.8	.750	19.1	1.28	32.5	1.22	31.0	1.14	29.0	.140	3.6
10, 11	0.5625-24	.98	24.9	.875	22.4	1.28	32.5	1.29	32.8	1.14	29.0	.270	6.9
12, 13	0.6875-24	1.16	29.5	1.000	25.4	1.44	36.6	1.62	41.1	1.14	29.0	.390	9.9
14,15	0.8125-20	1.28	32.5	1.125	28.6	1.51	38.4	1.66	42.2	1.64	41.7	.512	13.0
16, 17	0.9375-20	1.41	35.8	1.250	31.8	1.51	38.4	1.72	43.7	1.64	41.7	.637	16.2
18, 19	1.0625-18	1.52	38.6	1.375	34.9	1.57	39.9	1.72	43.7	1.74	44.2	.757	19.2
20, 21	1.1875-18	1.64	41.7	1.500	38.1	1.71	43.4	1.79	45.5	1.74	44.2	.881	22.4
22, 23	1.3125-18	1.77	45.0	1.625	41.3	1.83	46.5	1.85	47.0	1.74	44.2	1.006	25.6
24, 25	1.4375-18	1.89	48.0	1.750	44.5	1.95	51.0	1.91	48.5	1.95	49.5	1.131	28.7

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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series I and II Connectors

450F*047 Qwik-Ty Strain Relief, Composite, with Braid Sock

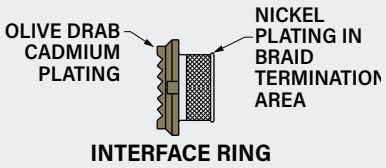
Self-Locking

Shielded. Self-locking. Composite. Qwik-Ty® strain relief has brass EMI adapter attached to 12 inches (30 cm) of shielding braid. Fits MIL-DTL-38999 Series I and II connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included). Straight, 45° and 90° profiles. Coupling nut and body are glass fiber filled PEI, black color. Tin-plated copper alloy crimp ring.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

FIGURE 1: FINISH CODE XN



PART NUMBER

	450FS047	XB	10	L	R	14

Base P/N

450FS047	Straight
450FA047	90°
450FB047	45°

EMI Adapter Finish

XB	Electroless Nickel
XMT	Nickel/PTFE
XN	Olive Drab Cadmium, selective *(fig.1)*

Size Code

Shell Size									
Series I	9	11	13	15	17	19	21	23	25
Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**

Braid Type

Omit for standard 34 AWG nickel/copper braid

T	34 AWG Tin/Copper Braid
A	AmberStrand® Nickel/Composite Braid
L	Microfilament ArmorLite® Nickel/SST Braid

Split Ring and Band

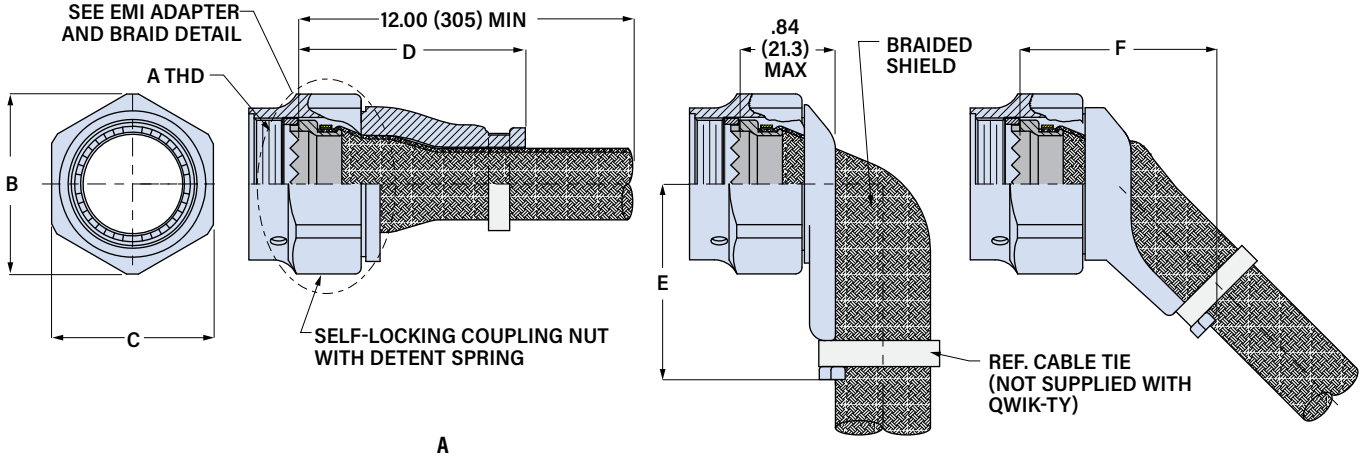
Omit if not required

R	Split ring and coiled band supplied with clamp

Braid Length

Omit for standard 12 inch length

14	Length in 1 inch increments, 6 inch min. "14" = 14 inches.



Shell Size	A Thread UNEF-2B	øB Max In.	øB Max mm.	C Flats In.	C Flats mm.	D Max In.	D Max mm.	E Max In.	E Max mm.	F Max In.	F Max mm.
8, 9	0.4375-28	.86	21.8	.75	19.1	1.55	39.4	1.47	37.3	1.39	35.3
10, 11	0.5625-24	.98	24.9	.88	22.4	1.55	39.4	1.54	39.1	1.39	35.3
12, 13	0.6875-24	1.16	29.5	1.00	25.4	1.79	45.5	1.87	47.5	1.39	35.3
14,15	0.8125-20	1.28	32.5	1.13	28.7	1.79	45.5	1.91	48.5	1.89	48.0
16, 17	0.9375-20	1.41	35.8	1.25	31.8	1.94	49.3	1.97	50.0	1.89	48.0
18, 19	1.0625-18	1.52	38.6	1.38	35.1	1.98	50.3	1.97	50.0	1.99	50.5
20, 21	1.1875-18	1.64	41.7	1.50	38.1	2.16	54.9	2.04	51.8	1.99	50.5
22, 23	1.3125-18	1.77	45.0	1.63	41.4	2.24	56.9	2.10	53.3	1.99	50.5
24, 25	1.4375-18	1.89	48.0	1.75	44.5	2.40	61.0	2.16	54.9	2.20	55.9

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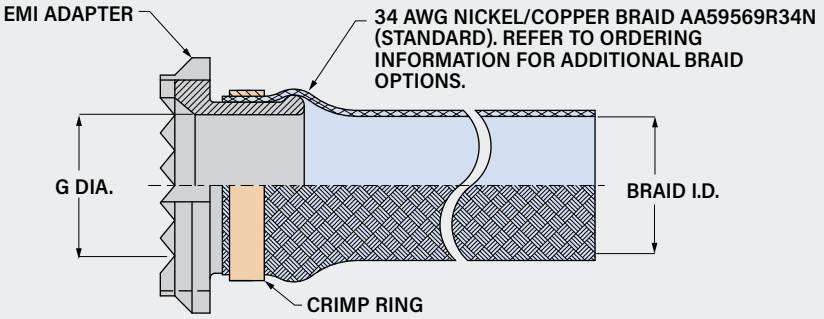
Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series I and II Connectors

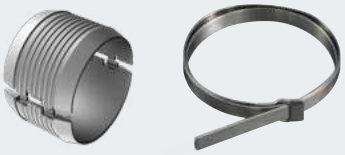
450F*047 Qwik-Ty Strain Relief, Composite, with Braid Sock

EMI ADAPTER AND BRAID DETAIL

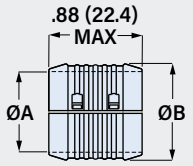


Shell Size	ø G Min. In.	ø G Min. mm.	Braid I.D. In.	Braid I.D. mm.
8/9	.265	6.73	.375	9.53
10/11	.370	9.40	.375	9.53
12/13	.506	12.85	.500	12.70
14/15	.580	14.73	.500	12.70
16/17	.705	17.91	.781	19.84
18/19	.784	19.91	.781	19.84
20/21	.909	23.09	1.000	25.40
22/23	1.034	26.26	1.000	25.40
24/25	1.149	29.18	1.250	31.75

SUPPORT RING AND PRE-COILED BAND (R OPTION)



Optional split support ring provides a reliable, low resistance method of splicing braid sock to wire bundle braid. Snap split ring over wire bundle, then overlap braid sock and cable braid. Install band around split ring and braid using ***Band-Master ATS***® standard banding tool.



687-749 Split Ring

Banding Tool

Shell Size	Support Ring Part Number	øA ± .030 (0.8) In.	øA ± .030 (0.8) mm.	øB ± .030 (0.8) In.	øB ± .030 (0.8) mm.
8/9	687-749XB04	.25	6.4	.40	10.2
10/11	687-749XB06	.38	9.7	.53	13.5
12/13	687-749XB08	.50	12.7	.65	16.5
14/15	687-749XB10	.63	16.0	.78	19.8
16/17	687-749XB12	.75	19.1	.90	22.9
18/19	687-749XB14	.88	22.4	1.03	26.2
20/21	687-749XB16	1.00	25.4	1.15	29.2
22/23	687-749XB18	1.13	28.7	1.28	32.5
24/25	687-749XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut: polyetherimide (PEI)/no finish (black color)
EMI adapter: brass, plated per finish code. For finish code XN, selectively plated as shown in fig. 1.
Crimp ring: copper/tin
Anti-decoupling spring: high grade engineering thermoplastic
Split ring: polyetherimide, black color
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N
Code T: 34 AWG tin-coated copper, type AA59569R34T
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® microfilament nickel-coated 316L stainless steel

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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series III and IV Connectors

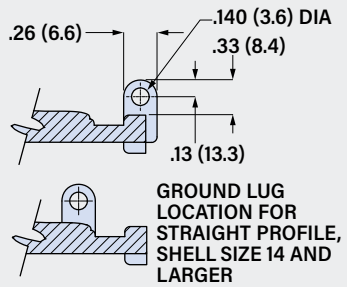
450H*001 Qwik-Ty Strain Relief

Lightweight,, economical, fast-to-install. 450H*001 Qwik-Ty® strain reliefs fit MIL-DTL-38999 Series III and IV connectors. Spin coupling. Secure wire bundle with plastic strap or lacing tape (not supplied). Optional ground lug provides thru-hole for attaching a ring terminal. Aluminum alloy.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

FIGURE 1 GROUND LUG



PART NUMBER

	450HS001	M	19	G

Base P/N

450HS001	Straight
450HA001	90°
450HB001	45°

Finish

C	Black Anodize
M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

Size Code

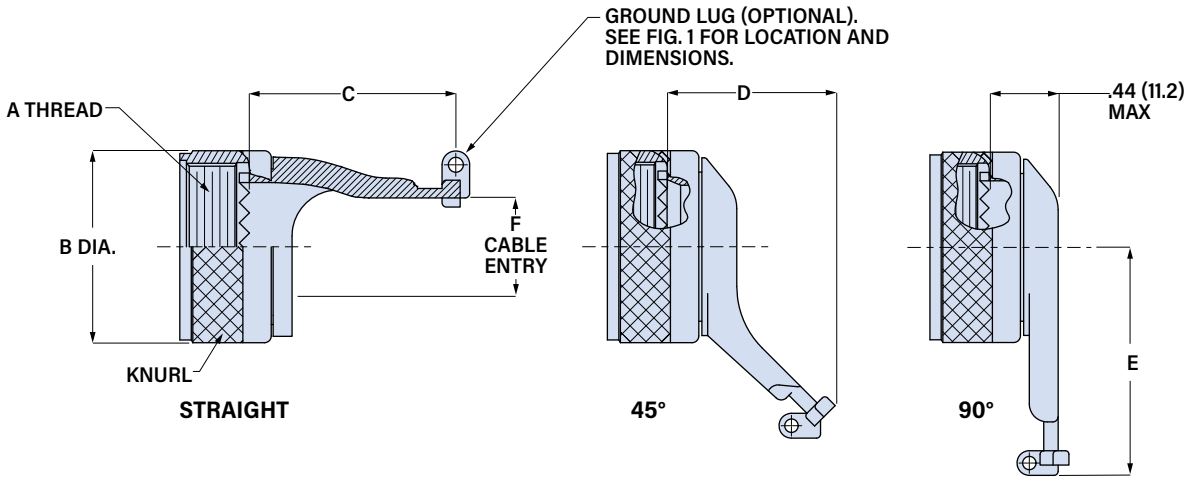
Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Ground Lug

Omit if not required

G	Ground Lug

Shell Size	A Thread	øB Max.		C Max.		D Max.		E Max.		F ± .015 (0.4)	
		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
9 (A)	M12X1.0-6H	.77	19.6	.866	22.0	1.066	27.1	.89	22.6	.250	6.4
11 (B)	M15X1.0-6H	.82	20.8	.866	22.0	1.066	27.1	.95	24.1	.382	9.7
13 (C)	M18X1.0-6H	.94	23.9	.925	23.5	1.066	27.1	1.07	27.2	.500	12.7
15 (D)	M22X1.0-6H	1.07	27.2	1.102	28.0	1.188	30.2	1.33	33.8	.630	16.0
17 (E)	M25X1.0-6H	1.21	30.7	1.102	28.0	1.224	31.1	1.39	35.3	.750	19.1
19 (F)	M28X1.0-6H	1.36	34.5	1.177	29.9	1.224	31.1	1.48	37.6	.838	21.3
21 (G)	M31X1.0-6H	1.48	37.6	1.307	33.2	1.224	31.1	1.66	42.2	.968	24.6
23 (H)	M34X1.0-6H	1.60	40.6	1.425	36.2	1.224	31.1	1.85	47.0	1.090	27.7
25 (J)	M37X1.0-6H	1.70	43.2	1.555	39.5	1.224	31.1	1.91	48.5	1.220	31.0



Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series III and IV Connectors

450H*043 Qwik-Ty Strain Relief, Self-Locking

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Lightweight, self-locking, fast-to-install. 450H*043 Qwik-Ty clamp fits MIL-DTL-38999 Series III and IV connectors. Secure wire bundle to Qwik-Ty arm with plastic strap or lacing tape (not supplied). Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Optional ground lug for attachment of ring terminal. Aluminum alloy. Anti-decoupling spring is thermoplastic.

PART NUMBER

	450HS043	M	09	G

Base P/N
- **450HS043** Straight
- **450HA043** 90°
- **450HB043** 45°

Finish
- **C** Black Anodize
- **M** Electroless Nickel
- **NF** Olive Drab Cadmium
- **MT** Nickel-PTFE
- **ZR** Black Zinc-Nickel
- **TZ** Tin-Zinc

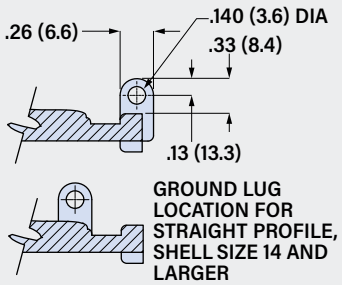
Size Code

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

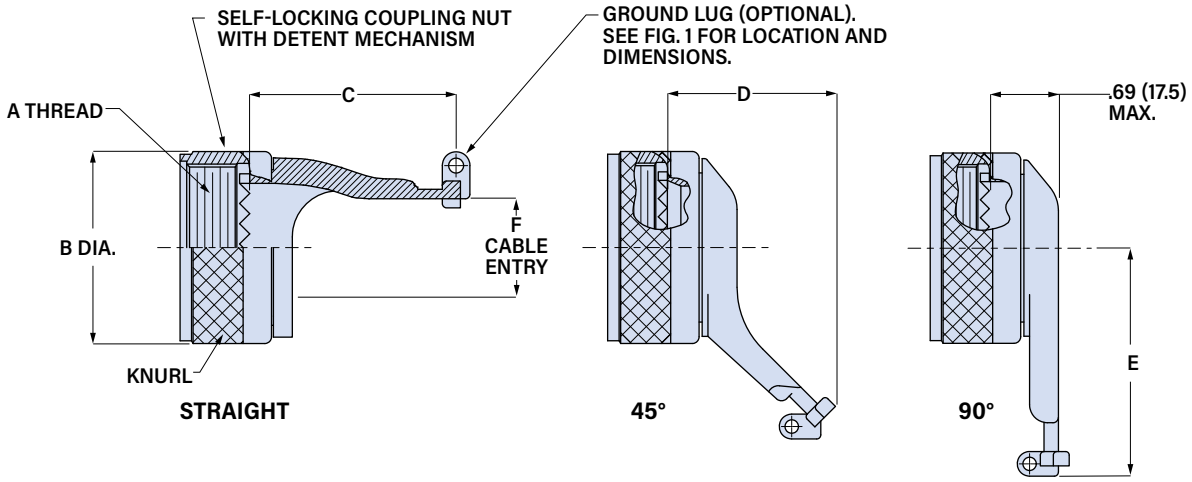
Ground Lug

Omit if not required
- **G** Ground Lug

FIGURE 1: GROUND LUG



Shell Size	A Thread	øB Max. In.	øB Max. mm.	C Max. In.	C Max. mm.	D Max. In.	D Max. mm.	E Max. In.	E Max. mm.	F ± .015 (0.4) In.	F ± .015 (0.4) mm.
9 (A)	M12X1.0-6H	.94	24.8	.95	24.1	1.19	30.2	.89	22.6	.250	6.4
11 (B)	M15X1.0-6H	1.06	26.9	1.00	25.4	1.19	30.2	.95	24.1	.382	9.7
13 (C)	M18X1.0-6H	1.17	29.7	1.02	25.9	1.19	30.2	1.01	25.7	.500	12.7
15 (D)	M22X1.0-6H	1.29	32.7	1.19	30.2	1.32	33.5	1.33	33.8	.630	16.0
17 (E)	M25X1.0-6H	1.42	36.1	1.19	30.2	1.32	33.5	1.39	35.3	.750	19.1
19 (F)	M28X1.0-6H	1.54	39.1	1.30	33.0	1.32	33.5	1.46	37.1	.838	21.3
21 (G)	M31X1.0-6H	1.67	42.4	1.43	36.3	1.32	33.5	1.51	38.4	.968	24.6
23 (H)	M34X1.0-6H	2.01	51.1	1.52	38.6	1.32	33.5	1.57	39.9	1.090	27.7
25 (J)	M37X1.0-6H	2.12	53.8	1.64	41.7	1.32	33.5	1.64	41.7	1.220	31.0



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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series III and IV Connectors

450H*029 Qwik-Ty, Self-Locking, Composite

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Lightweight, self-locking, corrosion-proof. 450H*029 composite Qwik-Ty® strain relief fits MIL-DTL-38999 Series III and IV connectors. High performance glass-reinforced material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included). Straight, 45° or 90°. Polyetherimide material with thermoplastic anti-decoupling spring.

PART NUMBER

	450HS029	XB	15

Base P/N

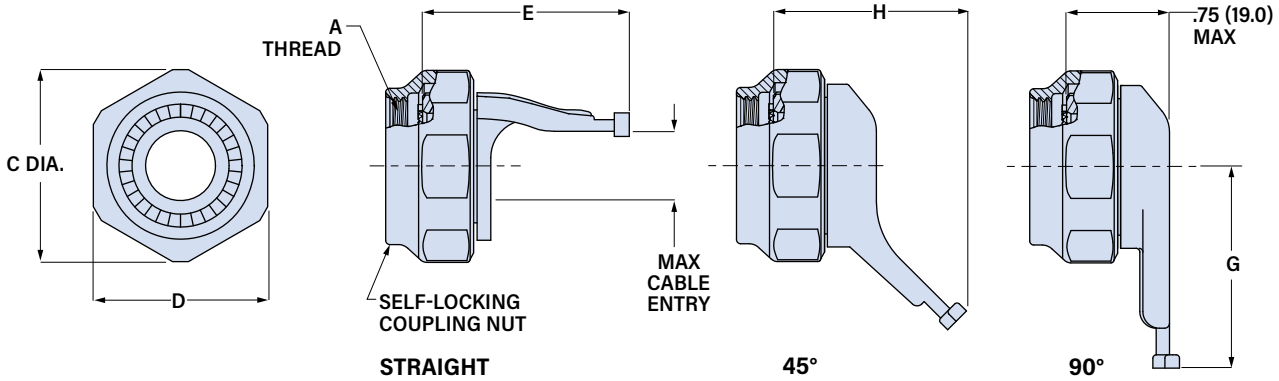
450HS029	Straight
450HA029	90°
450HB029	45°

Material Color

XB	No Plating, Color Black
XO	No Plating, Color Brown
XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium
XZN	Black Zinc-Nickel

Size Code

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	**09**	**11**	**13**	**15**	**17**	**19**	**21**	**23**	**25**



Shell Size	A Thread	øC Max In.	øC Max mm.	D Hex Flats In.	D Hex Flats mm.	E Max In.	E Max mm.	G Max In.	G Max mm.	H Max In.	H Max mm.	Max Cable Entry In.	Max Cable Entry mm.
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	1.14	29.0	1.22	31.0	1.14	29.0	.25	6.4
11 (B)	M15X1.0-6H	.98	24.9	.875	22.4	1.14	29.0	1.29	32.8	1.14	29.0	.38	9.7
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	1.20	30.5	1.62	41.1	1.14	29.0	.50	12.7
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	1.38	35.1	1.66	42.2	1.64	41.7	.63	16.0
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	1.38	35.1	1.72	43.7	1.64	41.7	.75	19.1
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	1.44	36.6	1.72	43.7	1.74	44.2	.81	21.8
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.57	39.9	1.79	45.5	1.74	44.2	.94	23.9
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.69	42.9	1.85	47.0	1.74	44.2	1.06	26.9
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.83	46.5	1.91	48.5	1.95	49.5	1.19	30.2

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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series III and IV Connectors

450H*030 Qwik-Ty Strain Relief, Composite, with Ground Lug

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

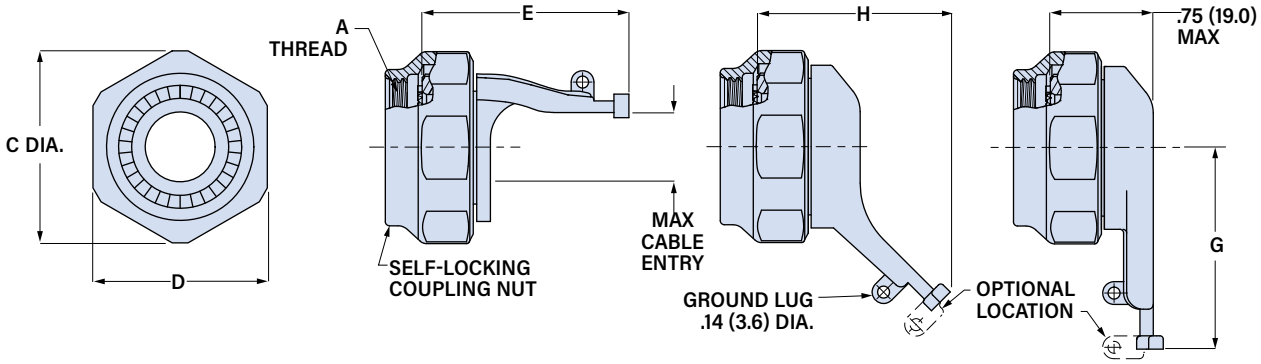
Lightweight, self-locking, conductive. 450H*030 Qwik-Ty clamps fit MIL-DTL-38999 Series III and IV connectors. Metallized composite Qwik-Ty has ground lug for attaching a ring terminal with #4 screw. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included).

PART NUMBER

		450HS030	M	21
Base P/N	**450HS030** Straight **450HA030** 90° **450HB030** 45°			
Finish	**XM** Electroless Nickel **XMT** Nickel-PTFE **XW** Olive Drab Cadmium **XZN** Black Zinc-Nickel			

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25



Shell Size	A Thread	øC Max In.	øC Max mm.	D Hex Flats In.	D Hex Flats mm.	E Max In.	E Max mm.	G Max In.	G Max mm.	H Max In.	H Max mm.	Max Cable Entry In.	Max Cable Entry mm.
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	1.14	29.0	1.22	31.0	1.14	29.0	.25	6.4
11 (B)	M15X1.0-6H	.98	24.9	.875	22.4	1.14	29.0	1.29	32.8	1.14	29.0	.38	9.7
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	1.20	30.5	1.62	41.1	1.14	29.0	.50	12.7
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	1.38	35.1	1.66	42.2	1.64	41.7	.63	16.0
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	1.38	35.1	1.72	43.7	1.64	41.7	.75	19.1
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	1.44	36.6	1.72	43.7	1.74	44.2	.81	21.8
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.57	39.9	1.79	45.5	1.74	44.2	.94	23.9
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.69	42.9	1.85	47.0	1.74	44.2	1.06	26.9
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.83	46.5	1.91	48.5	1.95	49.5	1.19	30.2

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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series III and IV Connectors

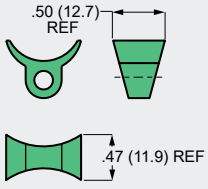
457H*044 Qwik-Ty Strain Relief, Composite, with EMI Band Adapter

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

FIGURE 1: SPACER PAD



Material: fluorosilicone

BANDING STRAP

Terminate cable braid to backshell with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Diameter
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.88 (47.8)

Low profile. Light weight. Band-Master shield termination. 457H*044 Qwik-Ty® strain relief fits MIL-DTL-38999 Series III and Series IV connectors. Terminate cable shield to adapter with Band-Master strap (purchased separately). "T" slots in adapter accept individual shields. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Attach wire bundle to arm with cable tie (not supplied). Optional rubber pad provides wire cushioning. Black thermoplastic body, coupling nut and detent spring, aluminum banding adapter, fluorosilicone spacer pad.

PART NUMBER

457HB044 M 11 P

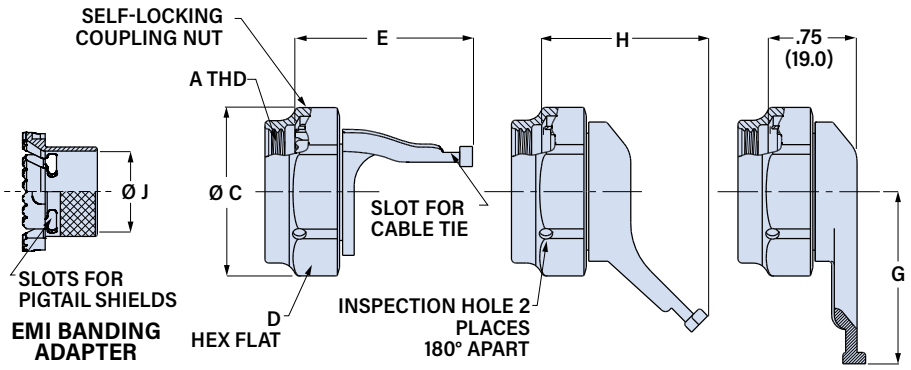
Base P/N
- **457HS044** Straight
- **457HA044** 90°
- **457HB044** 45°

Banding Adapter Finish
- **M** Electroless Nickel
- **NF** Olive Drab Cadmium
- **MT** Nickel-PTFE

Size Code

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Spacer Pad
Omit if not required
- **P** Supplied with optional rubber spacer pad *(fig. 1)*



Shell Size	A Thread	øC Max In.	øC Max mm.	D Hex Flats In.	D Hex Flats mm.	E Max In.	E Max mm.	G Max In.	G Max mm.	H Max In.	H Max mm.	ø J Cable Entry In.	ø J Cable Entry mm.
9 (A)	M12X1.0-6H	.86	21.8	.750	19.1	1.28	32.5	1.22	31.0	1.14	29.0	.140	3.6
11 (B)	M15X1.0-6H	.98	24.9	.875	22.4	1.28	32.5	1.29	32.8	1.14	29.0	.270	6.9
13 (C)	M18X1.0-6H	1.16	29.5	1.000	25.4	1.44	36.6	1.62	41.1	1.14	29.0	.390	9.9
15 (D)	M22X1.0-6H	1.28	32.5	1.125	28.6	1.51	38.4	1.66	42.2	1.64	41.7	.512	13.0
17 (E)	M25X1.0-6H	1.41	35.8	1.250	31.8	1.51	38.4	1.72	43.7	1.64	41.7	.637	16.2
19 (F)	M28X1.0-6H	1.52	38.6	1.375	34.9	1.57	39.9	1.72	43.7	1.74	44.2	.757	19.2
21 (G)	M31X1.0-6H	1.64	41.7	1.500	38.1	1.71	43.4	1.79	45.5	1.74	44.2	.881	22.4
23 (H)	M34X1.0-6H	1.77	45.0	1.625	41.3	1.83	46.5	1.85	47.0	1.74	44.2	1.006	25.6
25 (J)	M37X1.0-6H	1.89	48.0	1.750	44.5	1.95	51.0	1.91	48.5	1.95	49.5	1.131	28.7

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Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series III and IV Connectors

450H*047 Qwik-Ty Strain Relief, Composite, with Braid Sock

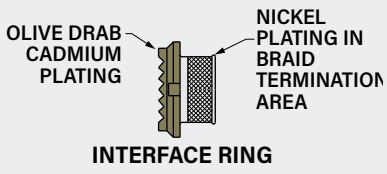
Self-Locking

Shielded. Self-locking. Composite. Qwik-Ty® strain relief has brass EMI adapter attached to 12 inches (30 cm) of shielding braid. Fits MIL-DTL-38999 Series III and IV connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included). Straight, 45° and 90° profiles. Coupling nut and body are glass fiber filled PEI, black color. Tin-plated copper alloy crimp ring.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

FIGURE 1: FINISH CODE XN



PART NUMBER

	450HS047	XB	13	L	R	14

Base P/N
- **450HS047** Straight
- **450HA047** 90°
- **450HB047** 45°

EMI Adapter Finish
- **XB** Electroless Nickel
- **XMT** Nickel/PTFE
- **XN** Olive Drab Cadmium, selective *(fig.1)*

Size Code

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Braid Type

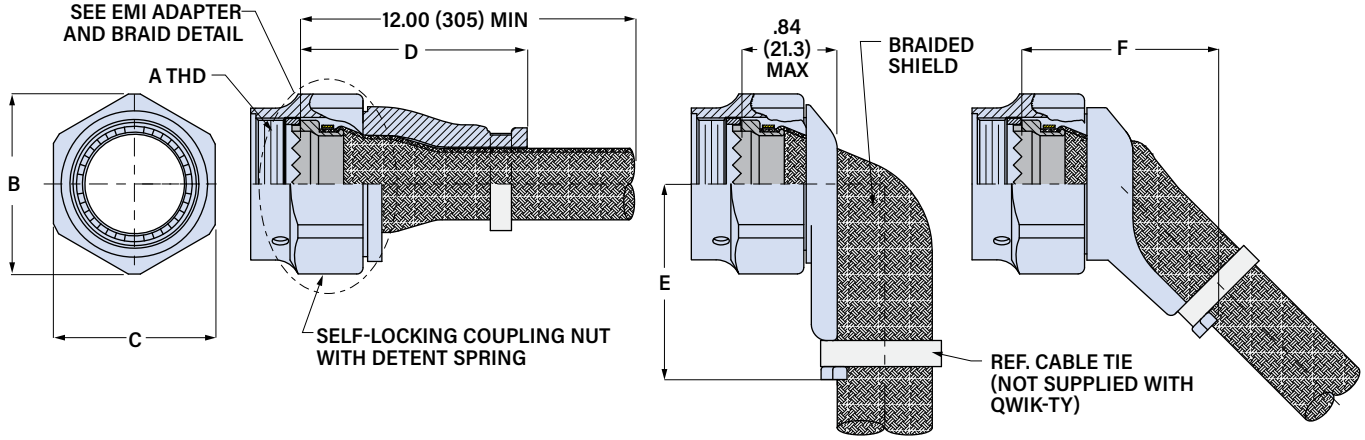
Omit for standard 34 AWG nickel/copper braid
- **T** 34 AWG Tin/Copper Braid
- **A** AmberStrand® Nickel/Composite Braid
- **L** Microfilament ArmorLite® Nickel/SST Braid

Split Ring and Band

Omit if not required
- **R** Split ring and coiled band supplied with clamp

Braid Length

Omit for standard 12 inch length
- **14** Length in 1 inch increments, 6 inch min. "14" = 14 inches.



Shell Size	A Thread	øB Max In.	øB Max mm.	C Flats In.	C Flats mm.	D Max In.	D Max mm.	E Max In.	E Max mm.	F Max In.	F Max mm.
9 (A)	M12X1.0-6H	.86	21.8	.75	19.1	1.55	39.4	1.47	37.3	1.39	35.3
11 (B)	M15X1.0-6H	.98	24.9	.88	22.4	1.55	39.4	1.54	39.1	1.39	35.3
13 (C)	M18X1.0-6H	1.16	29.5	1.00	25.4	1.79	45.5	1.87	47.5	1.39	35.3
15 (D)	M22X1.0-6H	1.28	32.5	1.13	28.7	1.79	45.5	1.91	48.5	1.89	48.0
17 (E)	M25X1.0-6H	1.41	35.8	1.25	31.8	1.94	49.3	1.97	50.0	1.89	48.0
19 (F)	M28X1.0-6H	1.52	38.6	1.38	35.1	1.98	50.3	1.97	50.0	1.99	50.5
21 (G)	M31X1.0-6H	1.64	41.7	1.50	38.1	2.16	54.9	2.04	51.8	1.99	50.5
23 (H)	M34X1.0-6H	1.77	45.0	1.63	41.4	2.24	56.9	2.10	53.3	1.99	50.5
25 (J)	M37X1.0-6H	1.89	48.0	1.75	44.5	2.40	61.0	2.16	54.9	2.20	55.9

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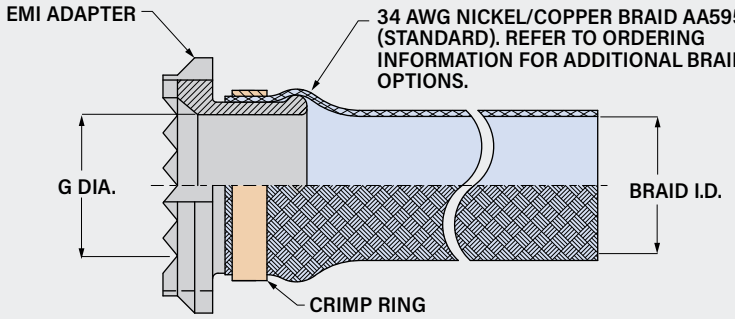
Qwik-Ty® Strain Reliefs

for MIL-DTL-38999 Series III and IV Connectors

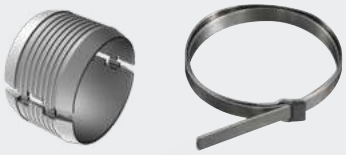
450H*047 EMI Qwik-Ty, Self-Locking, Composite, with Braid Sock

EMI ADAPTER AND BRAID DETAIL

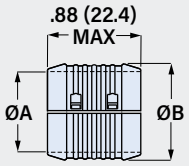


Shell Size	ø G Min. In.	ø G Min. mm.	Braid I.D. In.	Braid I.D. mm.
08	.265	6.73	.375	9.53
10	.370	9.40	.375	9.53
12	.506	12.85	.500	12.70
14	.580	14.73	.500	12.70
16	.705	17.91	.781	19.84
18	.784	19.91	.781	19.84
20	.909	23.09	1.000	25.40
22	1.034	26.26	1.000	25.40
24	1.149	29.18	1.250	31.75

SUPPORT RING AND PRE-COILED BAND (R OPTION)



Optional split support ring provides a reliable, low resistance method of splicing braid sock to wire bundle braid. Snap split ring over wire bundle, then overlap braid sock and cable braid. Install band around split ring and braid using ***Band-Master ATS***® standard banding tool.



687-749 Split Ring

Banding Tool

Shell Size	Support Ring Part Number	øA ± .030 (0.8) In.	øA ± .030 (0.8) mm.	øB ± .030 (0.8) In.	øB ± .030 (0.8) mm.
9 (A)	687-749XB04	.25	6.4	.40	10.2
11 (B)	687-749XB06	.38	9.7	.53	13.5
13 (C)	687-749XB08	.50	12.7	.65	16.5
15 (D)	687-749XB10	.63	16.0	.78	19.8
17 (E)	687-749XB12	.75	19.1	.90	22.9
19 (F)	687-749XB14	.88	22.4	1.03	26.2
21 (G)	687-749XB16	1.00	25.4	1.15	29.2
23 (H)	687-749XB18	1.13	28.7	1.28	32.5
25 (J)	687-749XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut: polyetherimide (PEI)/no finish (black color)
EMI adapter: brass, plated per finish code. For finish code XN, selectively plated as shown in fig. 1.
Crimp ring: copper/tin
Anti-decoupling spring: high grade engineering thermoplastic
Split ring: polyetherimide, black color
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N
Code T: 34 AWG tin-coated copper, type AA59569R34T
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® microfilament nickel-coated 316L stainless steel

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Qwik-Ty® Strain Reliefs

for MIL-DTL-26482 Series I Connectors

450D*001 Qwik-Ty Strain Relief

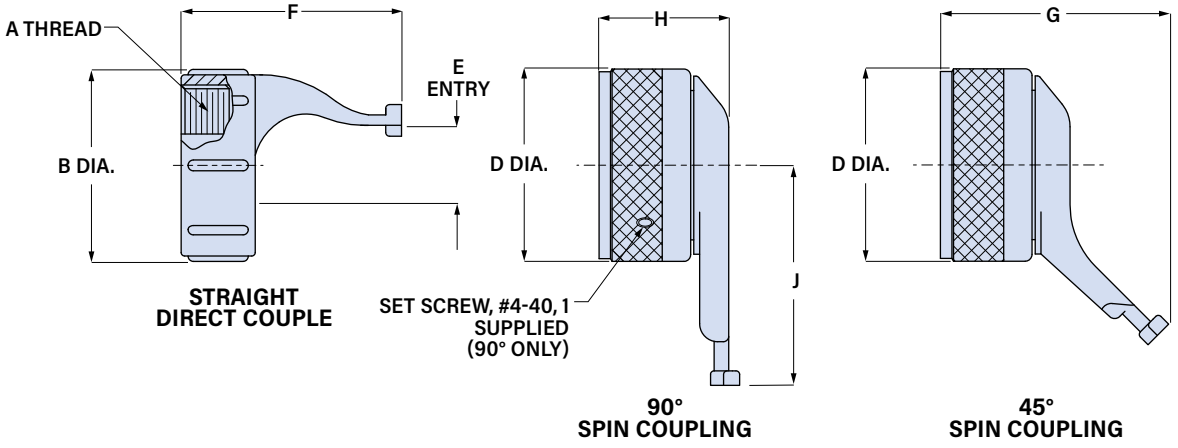
Lightweight, rugged, economical, fast-to-install. 450D*001 Qwik-Ty® strain relief fits Mil-DTL-26482 Series I connectors. Straight, 45° and 90° profiles. Straight profile is direct coupling, 45° and 90° are spin coupling. Secure with plastic strap or lacing tape (not included). Aluminum alloy.

Adapter Code D

This accessory fits MIL-DTL-26482 Series I connectors

PART NUMBER

		450DS001	C	10
Base P/N	450DS001 Straight 450DA001 90° 450DB001 45°			
Finish	C Black Anodize M Electroless Nickel NF Olive Drab Cadmium MT Nickel-PTFE ZR Black Zinc-Nickel TZ Tin-Zinc			
Shell Size	08 10 12 14 16 18 20 22 24			



Shell Size	A Thread UNEF-2B	øB Max.		øD Max.		E ± .015 (0.4)		F Max.		G Max.		H Max.		J Max.	
		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
08	0.4375-28	.59	15.0	.77	19.6	.275	7.0	1.40	35.6	1.85	47.0	1.24	31.5	.88	22.4
10	0.5625-24	.72	18.3	.89	22.6	.402	10.2	1.40	35.6	1.85	47.0	1.24	31.5	.94	23.9
12	0.6875-24	.84	21.3	1.02	25.9	.516	13.1	1.40	35.6	1.85	47.0	1.24	31.5	1.00	25.4
14	0.8125-20	.97	24.6	1.15	29.2	.651	16.5	1.61	40.9	2.35	59.7	1.23	31.2	1.32	33.5
16	0.9375-20	1.09	27.7	1.26	32.0	.766	19.5	1.61	40.9	2.35	59.7	1.23	31.2	1.38	35.1
18	1.0625-18	1.22	31.0	1.40	35.6	.872	22.1	1.61	40.9	2.44	62.0	1.26	32.0	1.46	37.1
20	1.1875-18	1.34	34.0	1.53	38.9	.997	25.3	1.68	42.7	2.51	63.8	1.26	32.0	1.51	38.4
22	1.3125-18	1.47	37.3	1.60	40.6	1.125	28.6	1.68	42.7	2.51	63.8	1.26	32.0	1.56	39.6
24	1.4375-18	1.59	40.4	1.94	49.3	1.247	31.7	1.77	45.0	2.65	67.3	1.26	32.0	1.63	41.4

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Qwik-Ty® Strain Reliefs

for MIL-DTL-26500 Connectors

450E*001 Qwik-Ty Strain Relief

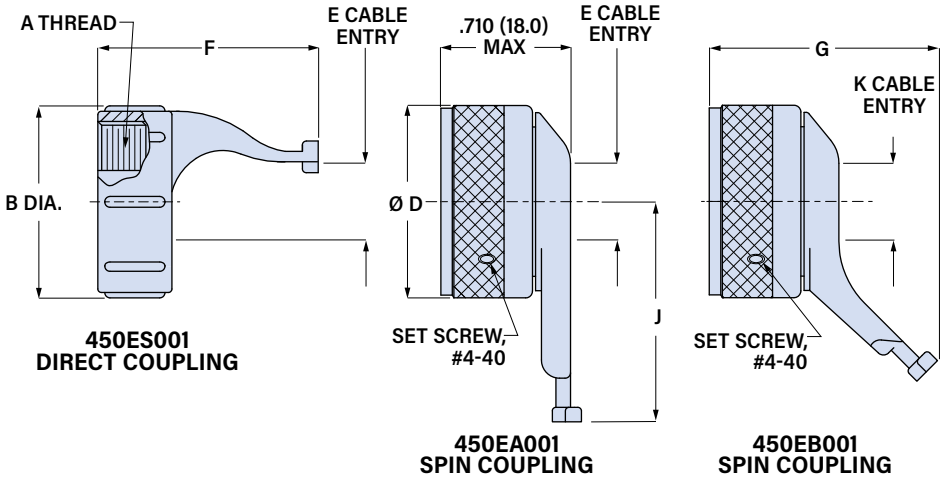
Adapter Code E

This accessory fits MIL-DTL-26500 connectors

Lightweight, rugged, economical, fast-to-install. Qwik-Ty® strain relief fits Mil-DTL-26500 connectors. Straight, 45° and 90° profiles. Straight profile is direct coupling, 45° and 90° are spin coupling. 45° and 90° profiles have a set screw to lock coupling nut. Secure wire bundle with plastic strap or lacing tape (not included). Aluminum alloy.

PART NUMBER 450ES001 NF 14

Base P/N	**450ES001** Straight, Direct Coupling **450EA001** 90°, Spin Coupling **450EB001** 45°, Spin Coupling
Finish	**C** Black Anodize **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFE **ZR** Black Zinc-Nickel **TZ** Tin-Zinc
Shell Size	**08 10 12 14 16 18 20 22 24**



Shell Size	A Thread UNEF-2B	øB Max.		øD Max.		E ± .015 (0.4)		F Max.		G Max.		J Max.		K ± .015 (0.4)	
		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
08	0.4375-28	.59	15.0	.77	19.6	.250	6.4	1.06	26.9	1.32	33.5	.95	24.1	.355	9.0
10	0.5625-24	.72	18.3	.89	22.6	.382	9.7	1.06	26.9	1.44	36.6	1.01	25.7	.465	11.8
12	0.7500-24	.97	24.6	1.02	25.9	.500	12.7	1.06	26.9	1.58	40.1	1.33	33.8	.625	15.9
14	0.8125-20	.97	24.6	1.15	29.2	.630	16.0	1.31	33.3	1.60	40.6	1.39	35.3	.695	17.7
16	0.9375-20	1.09	27.7	1.26	32.0	.750	19.1	1.31	33.3	1.60	40.6	1.46	37.1	.810	20.6
18	1.0625-18	1.22	31.0	1.40	35.6	.838	21.3	1.31	33.3	1.63	41.4	1.51	38.4	.942	23.9
20	1.1875-18	1.34	34.0	1.53	38.9	.968	24.6	1.31	33.3	1.63	41.4	1.57	39.9	1.079	27.4
22	1.3125-18	1.47	37.3	1.60	40.6	1.090	27.7	1.31	33.3	1.63	41.4	1.64	41.7	1.079	27.4
24	1.4375-18	1.59	40.4	1.94	49.3	1.220	31.0	1.31	33.3	1.63	41.4	1.71	43.4	1.300	33.0

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Qwik-Ty® Strain Reliefs

for MIL-DTL-28840 Connectors

450G*001 Qwik-Ty Strain Relief

Lightweight, rugged, economical. 450G*001 Qwik-Ty® strain relief fits MIL-DTL-28840 connectors. Spin coupling. Secure wire bundle with plastic strap or lacing tape (not included). Coupling nut has safety wire holes. Aluminum alloy.

Adapter Code G

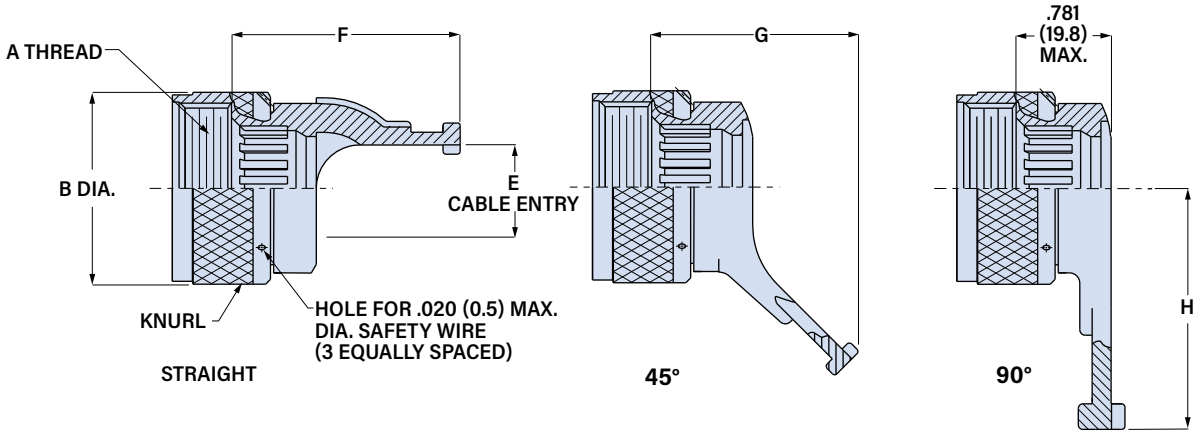
This accessory fits MIL-DTL-28840 connectors

PART NUMBER

		450GS001	TZ	15
Base P/N	**450GS001** Straight **450GA001** 90° **450GB001** 45°			
Finish	**C** Black Anodize **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFE **ZR** Black Zinc-Nickel **TZ** Tin-Zinc			

Size Code

Shell Size	11	13	15	17	19	23	25	29	33
	A	B	C	D	E	F	G	H	J
Size Code	**11**	**13**	**15**	**17**	**19**	**23**	**25**	**N/A**	**N/A**



Shell Size	A Thread	øB Max.		F Max.		E ± .015 (0.4)		G Max.		H Max.	
		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
A (11)	M12X1.0-6H	.94	23.9	1.226	31.1	.362	9.2	.896	22.8	1.094	27.8
B (13)	M15X1.0-6H	1.02	25.9	1.396	35.5	.497	12.6	1.076	27.3	1.348	34.2
C (15)	M18X1.0-6H	1.21	30.7	1.396	35.5	.642	16.3	1.076	27.3	1.411	35.8
D (17)	M22X1.0-6H	1.36	34.5	1.596	40.5	.739	18.8	1.071	27.2	1.684	42.8
E (19)	M25X1.0-6H	1.53	38.9	1.726	43.8	.871	22.1	1.071	27.2	1.870	47.5
F (23)	M28X1.0-6H	1.73	43.9	1.856	47.1	1.068	27.1	1.131	28.7	1.928	49.0
G (25)	M31X1.0-6H	1.82	46.2	1.894	48.1	1.200	30.5	1.170	29.7	1.928	49.0

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Qwik-Ty® Strain Reliefs

for Series 80 Mighty Mouse Connectors

450M*001 Qwik-Ty, Spin Coupling

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

MATERIAL/FINISH

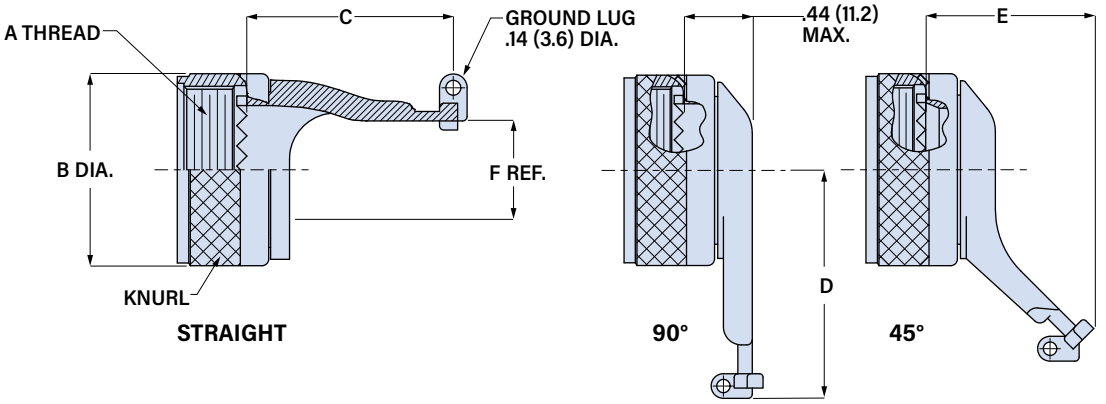
Body, coupling nut: aluminum/ finish per PN

Lightweight, fast-to-install. 450M*001 Qwik-Ty® strain relief fits Series 80 Mighty Mouse connectors. Spin coupling. Secure wire bundle with plastic strap or lacing tape (not included). Optional ground lug provides thru-hole for attaching a ring terminal. Aluminum alloy.

PART NUMBER

	450MS001	M	09	G

Base P/N	**450MS001** Straight **450MA001** 90° **450MB001** 45°
Finish	**C** Black Anodize **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFE **ZR** Black Zinc-Nickel **TZ** Tin-Zinc
Size Code	**05 06 07 08 09 10 11 12 13 14 15 16 17**
Ground Lug	*Omit if not required* **G** Ground Lug



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. In.	øB Max. mm.	C Max. In.	C Max. mm.	D Max. In.	D Max. mm.	E Max. In.	E Max. mm.	F Ref. Cable Entry In.	F Ref. Cable Entry mm.
05	5	N/A	0.250-32	.50	12.7	.866	22.0	.89	22.6	.89	22.6	.156	4.0
06	6	N/A	0.3125-32	.56	14.2	.866	22.0	.89	22.6	.89	22.6	.218	5.5
11	N/A	8	0.3750-32	.57	14.5	.866	22.0	.89	22.6	.89	22.6	.250	6.4
07	7	9	0.4375-28	.69	17.5	.866	22.0	.89	22.6	1.066	27.1	.250	6.4
08	8	10	0.500-28	.70	17.8	.866	22.0	.95	24.1	1.066	27.1	.375	9.5
09	9	11	0.5625-24	.79	20.1	.866	22.0	.95	24.1	1.066	27.1	.375	9.5
10	10	12	0.625-24	.82	20.8	.926	23.5	1.01	25.7	1.066	27.1	.500	12.7
12	11, 12, 13	13	0.6875-24	.91	23.1	.926	23.5	1.01	25.7	1.066	27.1	.500	12.7
13	N/A	15	0.750-20	.93	23.6	.926	23.5	1.01	25.7	1.066	27.1	.615	15.6
14	14, 15, 16, 17	18, 19	0.9375-20	1.15	29.2	1.106	28.1	1.39	35.3	1.226	31.1	.750	19.1
16	19	21	1.0625-18	1.23	31.2	1.176	29.9	1.46	37.1	1.226	31.1	.845	21.5
17	21	23	1.1875-18	1.39	35.3	1.306	33.2	1.51	38.4	1.226	31.1	.970	24.6

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Qwik-Ty® Strain Reliefs

for Series 80 Mighty Mouse Connectors

450M*050 Qwik-Ty Strain Relief, Composite, Series 805

Self-Locking

Adapter Code M

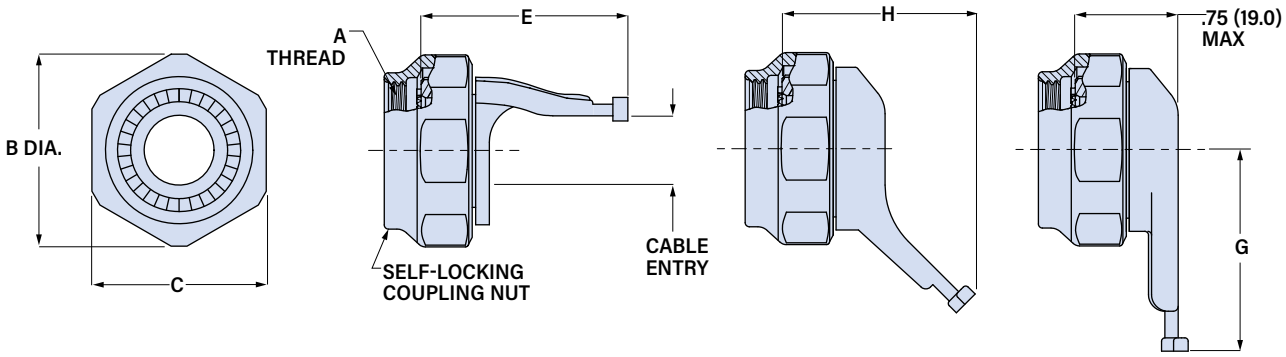
This accessory fits Series 80 Mighty Mouse Connectors

Lightweight, self-locking, corrosion-proof. 450M*050 composite thermoplastic Qwik-Ty® strain relief fits Series 805 Mighty Mouse connectors. High performance glass-reinforced material meets AS85049 requirements. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Secure wire bundle with plastic strap or lacing tape (not included). Straight, 45° or 90°. Glass-reinforced PEI thermoplastic.

PART NUMBER

		450MS050	XB	12
Base P/N	**450MS050** Straight **450MA050** 90° **450MB050** 45°			
Material and Finish	**XB** Unplated Black Material			
Size Code				

Series 805 Shell Size	9	10	11	12	13	15	18	19	21	23
Size Code	07	08	09	10	12	13	14	14	16	17



Size Code	Series 805 Shell Size	A Thread UNEF-2B	øB Max. In.	øB Max. mm.	C Flats Max. In.	C Flats Max. mm.	E Max. In.	E Max. mm.	G Max. In.	G Max. mm.	H Max. In.	H Max. mm.	Cable Entry Max In.	Cable Entry Max mm.
07	9	0.4375-28	.812	20.6	.750	19.1	1.14	29.0	1.22	31.0	1.14	29.0	.25	6.4
08	10	0.500-28	.812	20.6	.750	19.1	1.14	29.0	1.22	31.0	1.14	29.0	.25	6.4
09	11	0.5625-24	.938	23.8	.875	22.2	1.14	29.0	1.29	32.8	1.14	29.0	.38	9.7
10	12	0.625-24	.938	23.8	.875	22.2	1.14	29.0	1.29	32.8	1.14	29.0	.38	9.7
12	13	0.6875-24	1.125	28.6	1.000	25.4	1.20	30.5	1.62	41.1	1.14	29.0	.50	12.7
13	15	0.750-20	1.125	28.6	1.000	25.4	1.20	30.5	1.62	41.1	1.14	29.0	.50	12.7
14	18, 19	0.9375-20	1.375	34.9	1.250	31.8	1.38	35.1	1.72	43.7	1.64	41.7	.75	19.1
16	21	1.0625-18	1.500	38.1	1.375	34.9	1.44	36.6	1.72	43.7	1.74	44.2	.81	20.6
17	23	1.1875-18	1.625	41.3	1.500	38.1	1.57	39.9	1.79	45.5	1.74	44.2	.94	23.9

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Qwik-Ty® Strain Reliefs

for Series 806 Mil-Aero Connectors

457V*048 Qwik-Ty Strain Relief, Composite, with EMI Banding Adapter

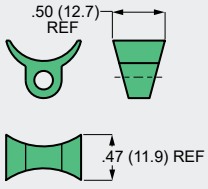
Self-Locking

Low profile. Light weight. Band-Master shield termination. 457V*048 Qwik-Ty® strain relief fits Glenair Series 806 Mil-Aero connectors. Terminate cable shield to adapter with Band-Master strap (purchased separately). "T" slots in adapter accept individual shields.Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Attach wire bundle to arm with cable tie (not supplied). Optional rubber pad provides wire cushioning. Black thermoplastic body, coupling nut and detent spring, aluminum banding adapter, fluorosilicone spacer pad.

Adapter Code V

This accessory fits:
Glenair Series 806 Mil-Aero connectors

FIGURE 1: SPACER PAD



Material: fluorosilicone

BANDING STRAP

Terminate cable braid to backshell with banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination of braid shield. Stainless steel.

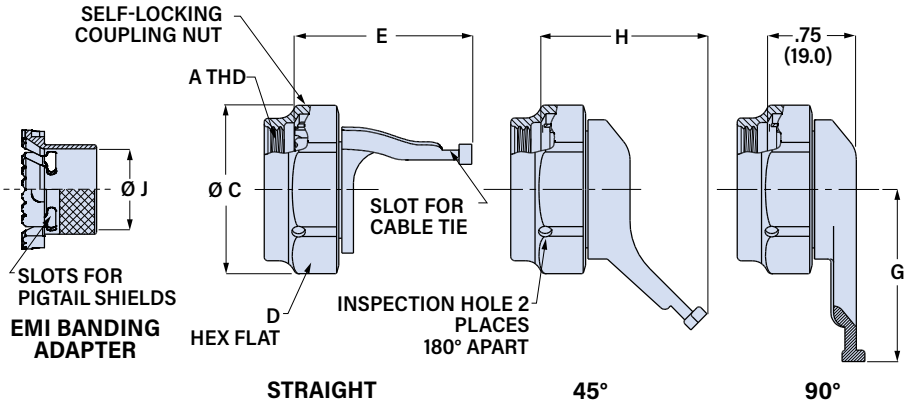
Micro Band

Hand Tool
601-101

Pre-Coiled Band P/N	Length	Max Diameter
601-061	8.13 (206)	.88 (22.4)
601-065	14.25 (362)	1.88 (47.8)

PART NUMBER

	457VB048	M	11	P
Base P/N	**457VS048** Straight **457VA048** 90° **457VB048** 45°			
Banding Adapter Finish		**M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFE		
Size Code			**09 10 11 12 14 16 18 20 22 24**	
Spacer Pad				*Omit if not required* **P** Supplied with optional rubber spacer pad (fig. 1)



Shell Size	A ISO Metric Thread	øC Max. In.	øC Max. mm.	D Hex Flats In.	D Hex Flats mm.	E Max. In.	E Max. mm.	G Max. In.	G Max. mm.	H Max. In.	H Max. mm.	øJ ± .015 (0.4) In.	øJ ± .015 (0.4) mm.
09	M12 x 1.0-6H	.86	21.8	.750	19.1	1.28	32.5	1.22	31.0	1.14	29.0	.140	3.6
10	M14 x 1.0-6H	.98	24.9	.875	22.2	1.28	32.5	1.29	32.8	1.14	29.0	.251	6.4
11	M15 x 1.0-6H	.98	24.9	.875	22.2	1.28	32.5	1.29	32.8	1.14	29.0	.270	6.9
12	M17 x 1.0-6H	1.16	29.5	1.000	25.4	1.44	36.6	1.62	41.1	1.14	29.0	.36)9	9.4
14	M19 x 1.0-6H	1.28	32.5	1.125	28.6	1.51	38.4	1.66	42.2	1.64	41.7	.390	9.9
16	M22 x 1.0-6H	1.28	32.5	1.125	28.6	1.51	38.4	1.66	42.2	1.64	41.7	.512	13.0
18	M25 x 1.0-6H	1.41	35.8	1.250	31.8	1.51	38.4	1.72	43.7	1.64	41.7	.627	15.9
20	M28 x 1.0-6H	1.52	38.6	1.375	34.9	1.57	39.9	1.72	43.7	1.74	44.2	.747	19.0
22	M31 x 1.0-6H	1.64	41.7	1.500	38.1	1.71	43.4	1.79	45.5	1.74	44.2	.871	22.1
24	M34 x 1.0-6H	1.77	45.0	1.625	41.3	1.83	46.5	1.85	47.0	1.74	44.2	.996	25.3

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ALSO AVAILABLE FROM GLENAIR

- MADE IN USA
- MASSIVE SAME-DAY INVENTORY

SERIES 806 MIL-AERO

Advanced performance, reduced size and weight connector series IAW MIL-DTL-38999

Series 806 offers significant size and weight savings while meeting key performance benchmarks for a broad range of applications such as commercial and military aerospace, robotics, transportation, and more. Designed for general use in harsh vibration, shock, and environmental settings—as well as high-altitude, unpressurized aircraft zones with aggressive voltage ratings and altitude immersion standards—the Series 806 Mil-Aero features numerous design innovations including durable mechanical insert retention, radial seals and triple-ripple grommet seals. Its reduced thread pitch and re-engineered ratchet prevent decoupling problems, particularly in small shell sizes, solving one of the major problems of shell size 9 and 11 MIL-DTL-38999 Series III connectors.

SAVE SIZE AND WEIGHT WITH SERIES 806 CONNECTORS

Series 806 Mil-Aero
Smallest Size
.500 In. Mating Threads
3 #20 Contacts or 7 #22 contacts

MIL-DTL-38999
Smallest Size
.625 In. Mating Threads
3 #20 Contacts or 6 #22 contacts

- Next-generation small form factor aerospace-grade circular connector
- Designed for harsh application environments such as aircraft, industrial robotics and more
- Upgraded environmental, electrical and mechanical performance
- Integrated anti-decoupling technology
- Higher density 20HD and 22HD contact arrangements
- Hermetic and filter versions
- +200°C temperature rating

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Series 48 Nut Plates

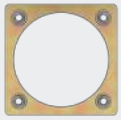
Selection Guide

Series 48 Nut Plates

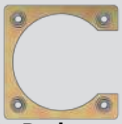
Series 48 Nut Plates are used to mount square flange connectors to panels and bulkheads. Nut plates eliminate loose lockwashers and nuts for faster installation time and prevention of dropped hardware in hard-to-reach areas. Available in three styles: ¼ perimeter, ¾ perimeter and full perimeter. The popular "C" shaped ¾ perimeter plate can be slipped over the wire bundle just before installation. Two finishes are available: chem film (chromate conversion coating) or epoxy primer. Passivated stainless steel clinch nuts, T6061 aluminum alloy plate.

- T6061 Aluminum Alloy
- Self-Locking SST Clinch Nuts
- Chem Film or Epoxy Primer Finishes

Three Styles

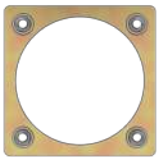
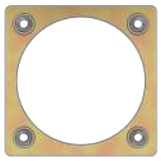
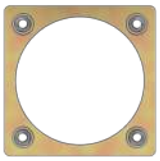
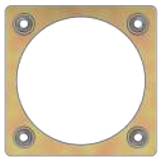
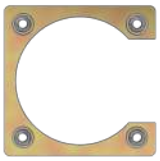
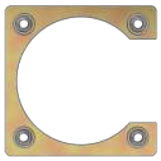
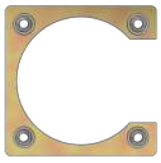


Full Perimeter



¾ Perimeter

¼ Perimeter

MIL-DTL-38999 Series I, III, IV		AS50151 MIL-DTL-26482 MIL-DTL-83723 Series III MIL-DTL-26500 MIL-DTL-38999 Series II	
M85049/94 M85049/95 M85049/96 Page 48-2		M85049/94 M85049/95 M85049/96 Page 48-3	
AS81703 Series 3		MS3472 *(Wide Flange MIL-DTL-26482)*	
M85049/94 M85049/95 M85049/96 Page 48-4		M85049/95 Page 48-5	
MIL-DTL-28840 MIL-PRF-28876		Series 806 MIl-Aero	
480-005 Page 48-5		480-003 Page 48-6	
Series 970 PowerTrip		Series 80 Mighty Mouse	
480-006 Page 48-7		809-199 809-303 Page 48-8	

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Rev. 06.02.25

Series 48 Nut Plates

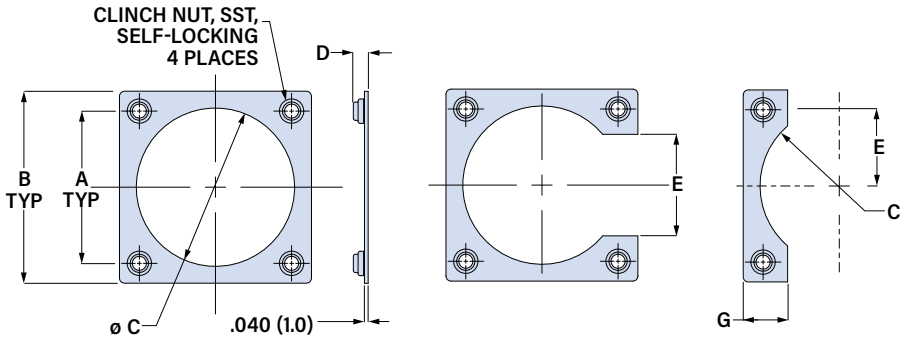
For Mil Spec Circular Connectors

Nut Plates for MIL-DTL-38999 Series I, III, and IV Connectors

Nut Plate with Chem Film

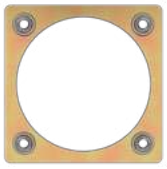
Nut Plate with Epoxy Primer

M85049 nut plates fit MIL-DTL-38999 Series I, III, and IV connector receptacles with square flanges. Nut plates eliminate loose lockwashers and nuts for faster installation time and prevention of dropped hardware in hard-to-reach areas. Two finishes are available: chem film or epoxy primer. Passivated stainless steel clinch nuts, 6061 aluminum alloy plate.



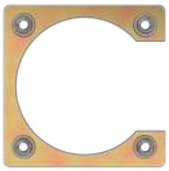
Full Perimeter **¾ Perimeter** **¼ Perimeter**

FULL PERIMETER NUT PLATES FOR MIL-DTL-38999 SERIES I, III, AND IV CONNECTORS



Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .015 (0.4) in	A ± .015 (0.4) mm	B Max in	B Max mm	øC Min in	øC Min mm	D Max in	D Max mm	Threads UNJC-3B
9 (A)	M85049/94-10	M85049/94-10-A	.719	18.3	1.034	26.3	.685	17.4	.166	4.2	4-40
11 (B)	M85049/94-12	M85049/94-12-A	.812	20.6	1.119	28.4	.820	20.8	.166	4.2	4-40
13 (C)	M85049/94-14	M85049/94-14-A	.906	23.0	1.213	30.8	.945	24.0	.166	4.2	4-40
15 (D)	M85049/94-16	M85049/94-16-A	.969	24.6	1.295	32.9	1.070	27.2	.166	4.2	4-40
17 (E)	M85049/94-18	M85049/94-18-A	1.062	27.0	1.421	36.1	1.195	30.4	.166	4.2	4-40
19 (F)	M85049/94-20	M85049/94-20-A	1.156	29.4	1.550	39.4	1.320	33.5	.166	4.2	4-40
21 (G)	M85049/94-22	M85049/94-22-A	1.250	31.8	1.680	42.7	1.440	36.6	.166	4.2	4-40
23 (H)	M85049/94-24	M85049/94-24-A	1.375	34.9	1.800	45.7	1.570	39.9	.183	4.6	6-32
25 (J)	M85049/94-25	M85049/94-25-A	1.500	38.1	1.910	48.5	1.643	41.7	.183	4.6	6-32

¾ PERIMETER NUT PLATES FOR MIL-DTL-38999 SERIES I, III, AND IV CONNECTORS



Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .005 (0.1) in	A ± .005 (0.1) mm	B Max in	B Max mm	øC Min in	øC Min mm	D Max in	D Max mm	E ± .030 (0.8) in	E ± .030 (0.8) mm	Threads UNJC-3B
9 (A)	M85049/95-10A	M85049/95-10A-A	.719	18.3	1.034	26.3	.705	17.9	.166	4.2	.433	11.0	4-40
11 (B)	M85049/95-12A	M85049/95-12A-A	.812	20.6	1.119	28.4	.840	21.3	.166	4.2	.530	13.5	4-40
13 (C)	M85049/95-14A	M85049/95-14A-A	.906	23.0	1.213	30.8	.969	24.6	.166	4.2	.624	15.8	4-40
15 (D)	M85049/95-16A	M85049/95-16A-A	.969	24.6	1.295	32.9	1.079	27.4	.166	4.2	.687	17.4	4-40
17 (E)	M85049/95-18A	M85049/95-18A-A	1.062	27.0	1.421	36.1	1.205	30.6	.166	4.2	.780	19.8	4-40
19 (F)	M85049/95-20A	M85049/95-20A-A	1.156	29.4	1.550	39.4	1.330	33.8	.166	4.2	.874	22.2	4-40
21 (G)	M85049/95-22A	M85049/95-22A-A	1.250	31.8	1.680	42.7	1.463	37.2	.166	4.2	.968	24.6	4-40
23 (H)	M85049/95-24B	M85049/95-24B-A	1.375	34.9	1.800	45.7	1.580	40.1	.183	4.6	1.031	26.2	6-32
25 (J)	M85049/95-25A	M85049/95-25A-A	1.500	38.1	1.906	48.4	1.643	41.7	.183	4.6	1.125	28.6	6-32

¼ PERIMETER NUT PLATES FOR MIL-DTL-38999 SERIES I, III, AND IV CONNECTORS

Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .005 (0.1) in	A ± .005 (0.1) mm	B Max in	B Max mm	C Min in	C Min mm	D Max in	D Max mm	E ± .005 (0.1) in	E ± .005 (0.1) mm	G Max in	G Max mm	Threads UNJC-3B
9 (A)	M85049/96-10	M85049/96-10-A	.719	18.3	1.034	26.3	.344	8.7	.166	4.2	.359	9.1	.308	7.8	4-40
11 (B)	M85049/96-12	M85049/96-12-A	.812	20.6	1.124	28.6	.410	10.4	.166	4.2	.406	10.3	.306	7.8	4-40
13 (C)	M85049/96-14	M85049/96-14-A	.906	23.0	1.218	30.9	.492	12.5	.166	4.2	.453	11.5	.306	7.8	4-40
15 (D)	M85049/96-16	M85049/96-16-A	.969	24.6	1.295	32.9	.532	13.5	.166	4.2	.484	12.3	.308	7.8	4-40
17 (E)	M85049/96-18	M85049/96-18-A	1.062	27.0	1.405	35.7	.610	15.5	.166	4.2	.531	13.5	.338	8.6	4-40
19 (F)	M85049/96-20	M85049/96-20-A	1.156	29.4	1.550	39.4	.657	16.7	.166	4.2	.578	14.7	.364	9.2	4-40
21 (G)	M85049/96-22	M85049/96-22-A	1.250	31.8	1.680	42.7	.724	18.4	.166	4.2	.625	15.9	.400	10.2	4-40
23 (H)	M85049/96-24	M85049/96-24-A	1.375	34.9	1.800	45.7	.782	19.9	.183	4.6	.687	17.5	.396	10.1	6-32
25 (J)	M85049/96-25	M85049/96-25-A	1.500	38.1	1.906	48.4	.814	20.7	.183	4.6	.750	19.1	.368	9.4	6-32

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Series 48 Nut Plates

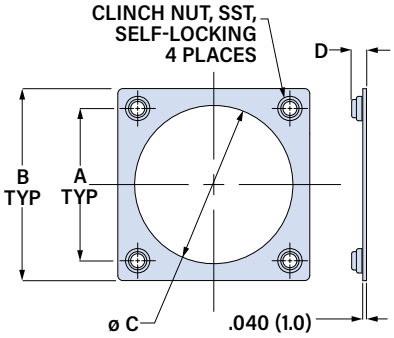
For Mil Spec Circular Connectors

Nut Plates for M26482, M83723 Series III, M26500, M38999 Series II

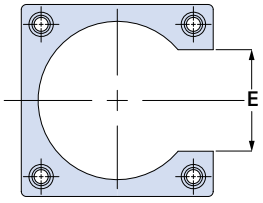
Nut Plate with Chem Film

Nut Plate with Epoxy Primer

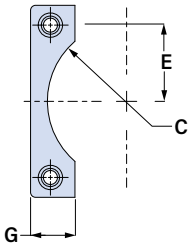
Nut plates eliminate loose lockwashers and nuts for faster installation time and prevention of dropped hardware in hard-to-reach areas. Two finishes are available: chem film (chromate conversion coating) or epoxy primer. Passivated stainless steel clinch nuts, 6061 aluminum alloy plate.



Full Perimeter

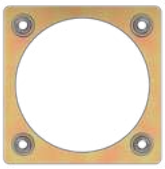


¾ Perimeter



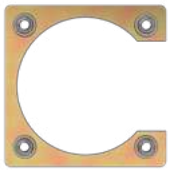
¼ Perimeter

FULL PERIMETER NUT PLATES FOR AS50151, M26482, M83723 SERIES III, M26500, M38999 SERIES II



Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .015 (0.1) in	A ± .015 (0.1) mm	B Max in	B Max mm	øC Min in	øC Min mm	D Max in	D Max mm	Threads UNJC-3B
8, 8S	M85049/94-8	M85049/94-8-A	.594	15.1	.900	22.9	.555	14.1	.166	4.2	4-40
10, 10SL	M85049/94-10	M85049/94-10-A	.719	18.3	1.034	26.3	.685	17.4	.166	4.2	4-40
12, 12S	M85049/94-12	M85049/94-12-A	.812	20.6	1.119	28.4	.820	20.8	.166	4.2	4-40
14, 14S	M85049/94-14	M85049/94-14-A	.906	23.0	1.213	30.8	.945	24.0	.166	4.2	4-40
16, 16S	M85049/94-16	M85049/94-16-A	.969	24.6	1.295	32.9	1.070	27.2	.166	4.2	4-40
18	M85049/94-18	M85049/94-18-A	1.062	27.0	1.421	36.1	1.195	30.4	.166	4.2	4-40
20	M85049/94-20	M85049/94-20-A	1.156	29.4	1.550	39.4	1.320	33.5	.166	4.2	4-40
22	M85049/94-22	M85049/94-22-A	1.250	31.8	1.680	42.7	1.440	36.6	.166	4.2	4-40
24	M85049/94-24	M85049/94-24-A	1.375	34.9	1.800	45.7	1.570	39.9	.183	4.7	6-32

¾ PERIMETER NUT PLATES FOR AS50151, M26482, M83723 SERIES III, M26500, M38999 SERIES II



Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .005 (0.1) in	A ± .005 (0.1) mm	B Max in	B Max mm	øC Min in	øC Min mm	D Max in	D Max mm	E ± .030 (0.8) in	E ± .030 (0.8) mm	Threads UNJC-3B
8, 8S	M85049/95-8A	M85049/95-8A-A	.594	15.1	.900	22.9	.555	14.5	.166	4.2	.308	7.8	4-40
10, 10SL	M85049/95-10A	M85049/95-10A-A	.719	18.3	1.034	26.3	.705	17.9	.166	4.2	.433	11.0	4-40
12, 12S	M85049/95-12A	M85049/95-12A-A	.812	20.6	1.119	28.4	.840	21.3	.166	4.2	.530	13.5	4-40
14, 14S	M85049/95-14A	M85049/95-14A-A	.906	23.0	1.213	30.8	.969	24.6	.166	4.2	.624	15.8	4-40
16, 16S	M85049/95-16A	M85049/95-16A-A	.969	24.6	1.295	32.9	1.079	27.4	.166	4.2	.687	17.4	4-40
18	M85049/95-18A	M85049/95-18A-A	1.062	27.0	1.421	36.1	1.205	30.6	.166	4.2	.780	19.8	4-40
20	M85049/95-20A	M85049/95-20A-A	1.156	29.4	1.550	39.4	1.330	33.8	.166	4.2	.874	22.2	4-40
22	M85049/95-22A	M85049/95-22A-A	1.250	31.8	1.680	42.7	1.463	37.2	.166	4.2	.968	24.6	4-40
24	M85049/95-24B	M85049/95-24B-A	1.375	34.9	1.800	45.7	1.580	40.1	.183	4.7	1.031	26.2	6-32
28	M85049/95-28A	M85049/95-28A-A	1.562	40.0	2.015	51.2	1.805	45.8	.183	4.7	1.125	28.6	6-32

¼ PERIMETER NUT PLATES FOR AS50151, M26482, M83723 SERIES III, M26500, M38999 SERIES II

Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .005 (0.1) in	A ± .005 (0.1) mm	B Max in	B Max mm	C Min in	C Min mm	D Max in	D Max mm	E ± .005 (0.1 in	E ± .005 (0.1 mm	G Max in	G Max mm	Threads UNJC-3B
8, 8S	M85049/96-8	M85049/96-8-A	.594	15.1	.906	23.0	.262	17.9	.166	4.2	.297	7.5	.306	7.8	4-40
10, 10SL	M85049/96-10	M85049/96-10-A	.719	18.3	1.034	26.3	.344	21.3	.166	4.2	.359	9.1	.308	7.8	4-40
12, 12S	M85049/96-12	M85049/96-12-A	.812	20.6	1.124	28.6	.410	24.6	.166	4.2	.406	10.3	.306	7.8	4-40
14, 14S	M85049/96-14	M85049/96-14-A	.906	23.0	1.218	30.9	.492	27.4	.166	4.2	.453	11.5	.306	7.8	4-40
16, 16S	M85049/96-16	M85049/96-16-A	.969	24.6	1.295	32.9	.532	30.6	.166	4.2	.484	12.3	.308	7.8	4-40
18	M85049/96-18	M85049/96-18-A	1.062	27.0	1.405	35.7	.610	33.8	.166	4.2	.531	13.4	.338	8.6	4-40
20	M85049/96-20	M85049/96-20-A	1.156	29.4	1.550	39.4	.657	40.1	.166	4.2	.578	14.7	.364	9.3	4-40
22	M85049/96-22	M85049/96-22-A	1.250	31.8	1.680	42.7	.724	41.7	.183	4.7	.625	15.9	.400	10.2	4-40
24	M85049/96-24	M84049/96-24-A	1.375	34.9	1.800	45.7	.782	19.9	.183	4.7	.687	17.5	.396	10.1	6-32

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Series 48 Nut Plates

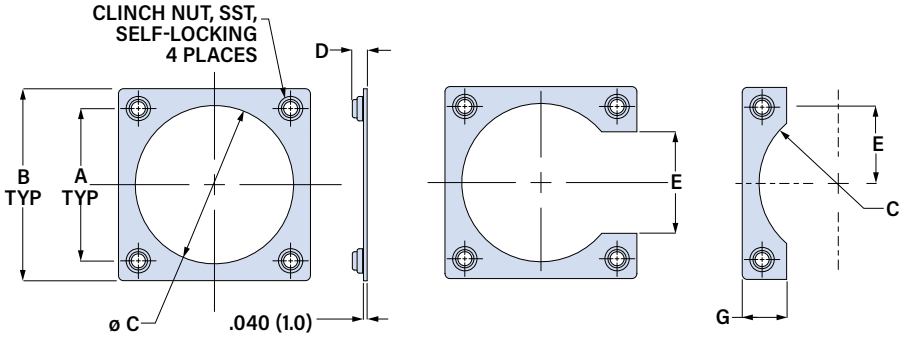
For Mil Spec Circular Connectors

Nut Plates for AS81703 Series 3 Connectors

Nut Plate with Chem Film

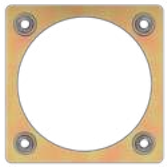
Nut Plate with Epoxy Primer

M85049 nut plates fit AS81703 Series 3 connector receptacles with square flanges. Nut plates eliminate loose lockwashers and nuts for faster installation time and prevention of dropped hardware in hard-to-reach areas. Available in three styles: ¼ perimeter, ¾ perimeter and full perimeter. The popular "C" shaped ¾ plates can be slipped over the wire bundle just before installation. Two finishes are available: chem film (chromate conversion coating) or epoxy primer. Passivated stainless steel clinch nuts, 6061 aluminum alloy plate.



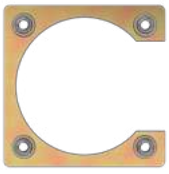
Full Perimeter **¾ Perimeter** **¼ Perimeter**

FULL PERIMETER NUT PLATES FOR AS81703 SERIES 3 CONNECTORS



Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .005 (0.1) in	A ± .005 (0.1) mm	B Max in	B Max mm	øC Min in	øC Min mm	D Max in	D Max mm	Threads UNJC-3B
7	M85049/94-10	M85049/94-10-A	.719	18.3	1.034	26.3	.685	17.4	.166	4.2	4-40
12	M85049/94-12	M85049/94-12-A	.812	20.6	1.119	28.4	.820	20.8	.166	4.2	4-40
19	M85049/94-14	M85049/94-14-A	.906	23.0	1.213	30.8	.945	24.0	.166	4.2	4-40
27	M85049/94-16	M85049/94-16-A	.969	24.6	1.295	32.9	1.070	27.2	.166	4.2	4-40

¾ PERIMETER NUT PLATES FOR AS81703 SERIES 3 CONNECTORS



Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .005 (0.1) in	A ± .005 (0.1) mm	B Max in	B Max mm	øC Min in	øC Min mm	D Max in	D Max mm	E ± .030 (0.8) in	E ± .030 (0.8) mm	Threads UNJC-3B
3	M85049/95-3A	M85049/95-3A-A	.625	15.9	.940	23.9	.626	15.9	.166	4.2	.325	8.3	4-40
7	M85049/95-7A	M85049/95-7A-A	.719	18.3	1.034	26.3	.673	17.1	.166	4.2	.433	11.0	4-40
12	M85049/95-12A	M85049/95-12A-A	.812	20.6	1.119	28.4	.840	21.3	.166	4.2	.530	13.5	4-40
19	M85049/95-14A	M85049/95-14A-A	.906	23.0	1.213	30.8	.969	24.6	.166	4.2	.624	15.8	4-40
27	M85049/95-16A	M85049/95-16A-A	.969	24.6	1.295	32.9	1.079	27.4	.166	4.2	.687	17.4	4-40
37	M85049/95-37A	M85049/95-37A-A	1.187	30.2	1.515	38.5	1.266	32.2	.166	4.2	.874	22.2	4-40
61	M85049/95-61A	M85049/95-61A-A	1.437	36.5	1.827	46.4	1.579	40.1	.166	4.2	1.062	40.7	4-40

¼ PERIMETER NUT PLATES FOR AS81703 SERIES 3 CONNECTORS

Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .005 (0.1) in	A ± .005 (0.1) mm	B Max in	B Max mm	C Min in	C Min mm	D Max in	D Max mm	E ± .005 (0.1 in	E ± .005 (0.1 mm	G Max in	G Max mm	Threads UNJC-3B
3	M85049/96-3	M85049/96-8-A	.625	15.9	.940	23.9	.320	8.1	.166	4.2	.312	7.9	.310	7.8	4-40
7	M85049/96-7	M85049/96-10-A	.719	18.3	1.034	26.3	.329	8.4	.166	4.2	.359	9.1	.308	7.8	4-40
12	M85049/96-12	M85049/96-12-A	.812	20.6	1.213	30.8	.410	24.6	.166	4.2	.406	10.3	.306	7.8	4-40
19	M85049/96-14	M85049/96-14-A	.906	23.0	1.295	32.9	.492	27.4	.166	4.2	.453	11.5	.306	7.8	4-40
27	M85049/96-16	M85049/96-16-A	.969	24.6	1.421	36.1	.532	30.6	.166	4.2	.484	12.3	.308	7.8	4-40
37	M85049/96-37	M85049/96-37-A	1.187	30.2	1.515	38.5	.625	15.9	.166	4.2	.593	4.0	.324	8.2	4-40
61	M85049/96-61	M85049/96-61-A	1.437	36.5	1.827	46.4	.732	18.6	.166	4.2	.718	4.8	.386	9.8	4-40

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Series 48 Nut Plates

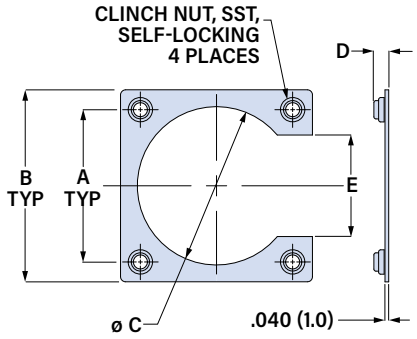
For Mil Spec Circular Connectors

Nut Plates for MS3472, MIL-DTL-28840 and MIL-PRF-28876 Connectors

NUT PLATES FOR WIDE FLANGE MIL-DTL-26482 SERIES 2 MS3472 CONNECTORS

Nut Plate with Chem Film

Nut plates eliminate loose lockwashers and nuts for faster installation time and prevention of dropped hardware in hard-to-reach areas. Two finishes are available: chem film (chromate conversion coating) or epoxy primer. Passivated stainless steel clinch nuts, 6061 aluminum alloy plate.

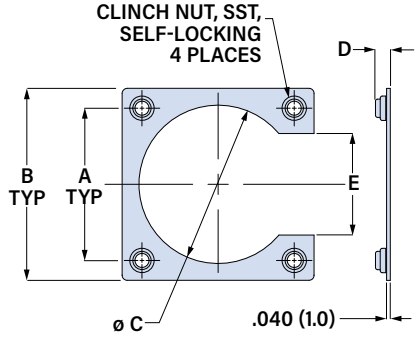


Shell Size	Part Number Chem Film	Part Number Epoxy Primer	A ± .005 (0.1) in	A ± .005 (0.1) mm	B Max in	B Max mm	øC Min in	øC Min mm	D Max in	D Max mm	E ± .030 (0.8) in	E ± .030 (0.8) mm	Threads UNJC-3B
10	M85049/95-10B	M85049/95-10B-A	.812	20.6	1.202	30.5	.734	18.6	.183	4.6	.433	11.0	6-32
12	M85049/95-12B	M85049/95-12B-A	.938	23.8	1.327	33.7	.923	23.4	.183	4.6	.530	13.5	6-32
14	M85049/95-14B	M85049/95-14B-A	1.031	26.2	1.421	36.1	1.016	25.8	.183	4.6	.624	15.8	6-32
16	M85049/95-16B	M85049/95-16B-A	1.125	28.6	1.515	58.5	1.110	28.2	.183	4.6	.687	17.4	6-32
18	M85049/95-18B	M85049/95-18B-A	1.203	30.6	1.593	40.5	1.219	31.0	.183	4.6	.780	19.8	6-32
20	M85049/95-20B	M85049/95-20B-A	1.297	32.9	1.703	43.3	1.344	34.1	.183	4.6	.865	22.0	6-32
22	M85049/95-22B	M85049/95-22B-A	1.375	34.9	1.753	44.5	1.468	37.3	.183	4.6	.907	23.0	6-32
24	M85049/95-24A	M85049/95-24A-A	1.500	38.1	1.906	48.4	1.545	39.2	.166	4.2	1.000	24.4	6-32

NUT PLATES FOR MIL-DTL-28840 AND MIL-PRF-28876 CONNECTORS

Nut Plate with Epoxy Primer

Nut plates eliminate loose lockwashers and nuts for faster installation time and prevention of dropped hardware in hard-to-reach areas. Three finishes are available: Type I chem film (Code E), Type 2 RoHS- compliant chem film (ER) or epoxy primer (EAP). Passivated stainless steel clinch nuts, 6061 aluminum alloy plate.



Shell Size	Part Number Type I Chem Film	Part Number Type II Chem Film (RoHS)	Part Number Epoxy Primer	A ± .003 (0.1) in	A ± .003 (0.1) mm	B in	B mm	øC in	øC mm	D ± .030 (0.8) in	D ± .030 (0.8) mm	E in	E mm	Threads UNC
A (11)	480-005E11B	480-005ER11B	480-005EAP11B	.750	19.1	1.043	26.5	.781	19.8	.136	3.5	.448	11.4	4-40
B (13)	480-005E13B	480-005ER13B	480-005EAP13B	.840	21.3	1.158	29.4	.906	23.0	.136	3.5	.520	13.2	4-40
C (15)	480-005E15B	480-005ER15B	480-005EAP15B	.968	24.6	1.278	32.5	1.093	27.8	.136	3.5	.627	15.9	4-40
D (17)	480-005E17B	480-005ER17B	480-005EAP17B	1.015	25.8	1.403	35.6	1.156	29.4	.136	3.5	.663	16.8	4-40
E (19)	480-005E19B	480-005ER19B	480-005EAP19B	1.140	29.0	1.528	38.8	1.343	34.1	.136	3.5	.770	19.6	4-40
F (23)	480-005E23B	480-005ER23B	480-005EAP23B	1.281	32.5	1.738	44.1	1.531	38.9	.136	3.5	.878	22.3	4-40
G (25)	480-005E25B	480-005ER25B	480-005EAP25B	1.392	35.4	1.838	46.7	1.656	42.1	.153	3.9	.950	24.1	6-32
H (29)	480-005E29B	480-005ER29B	480-005EAP29B	1.568	39.8	2.158	54.8	1.843	46.8	.153	3.9	1.057	26.8	6-32
J (33)	480-005E33B	480-005ER33B	480-005EAP33B	1.734	44.0	2.343	59.5	2.031	51.6	.168	4.3	1.165	29.6	8-32

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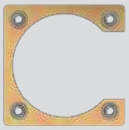
480-003 Nut Plate For Series 806 Mil-Aero Connectors

Nut Plate with Epoxy Primer

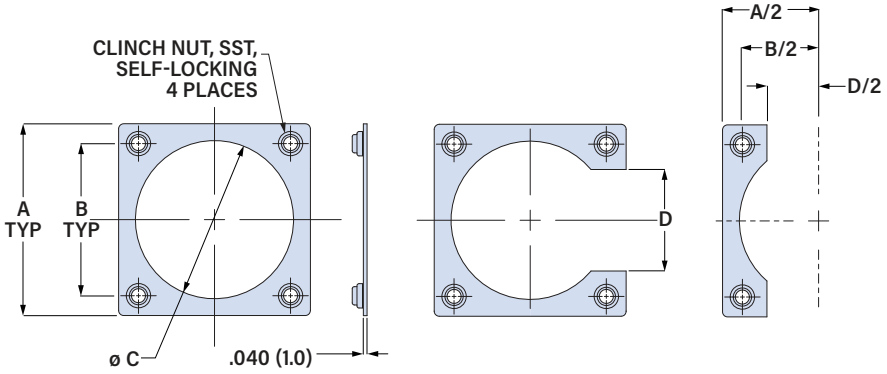
Nut plates eliminate loose lockwashers and nuts for faster installation time and prevention of dropped hardware in hard-to-reach areas. Three finishes are available: Type I chem film (Code E), Type 2 RoHS- compliant chem film (ER) or epoxy primer (EAP). Passivated stainless steel clinch nuts, 6061 aluminum alloy plate.

STYLES

A	B	C
Full Perimeter	¾ Perimeter	¼ Perimeter
		

PART NUMBER

	480-003	E	16	B	M
Base P/N	480-003				
Finish	E Chem Film ER Chem Film, RoHS-compliant EAP Epoxy Primer				
Shell Size	7 8 9 10 11 12 14 16 18 20 22 24				
Style	A Full Perimeter B ¾ Perimeter C ¼ Perimeter				
Metric Threads	*Omit for UNC Threads* M Metric Threads				



Shell Size	A ± .015 (0.4) in	A ± .015 (0.4) mm	B ± .015 (0.4) in	B ± .015 (0.4) mm	ø C ± .015 (0.4) in	ø C ± .015 (0.4) mm	D ± .015 (0.4) in	D ± .015 (0.4) mm	Threads UNC	Threads Metric
7	.740	18.8	.469	11.9	.433	11.0	.201	5.1	4-40	M3-0.5
8	.812	20.6	.531	13.5	.494	12.5	.263	6.7	4-40	M3-0.5
9	.875	22.2	.594	15.1	.562	14.3	.326	8.3	4-40	M3-0.5
10	.903	22.9	.625	15.9	.630	16.0	.357	9.1	4-40	M3-0.5
11	.950	24.1	.670	17.0	.697	17.7	.402	10.2	4-40	M3-0.5
12	1.028	26.1	.765	19.4	.753	19.1	.497	12.6	4-40	M3-0.5
14	1.123	28.5	.859	21.8	.875	22.2	.591	15.0	4-40	M3-0.5
16	1.217	30.9	.938	23.8	1.000	25.4	.670	17.0	4-40	M3-0.5
18	1.308	33.2	1.016	25.8	1.110	28.2	.748	19.0	4-40	M3-0.5
20	1.434	36.4	1.109	28.2	1.260	32.0	.789	20.0	6-32	M4-0.7
22	1.560	39.6	1.203	30.6	1.385	35.2	.883	22.4	6-32	M4-0.7
24	1.686	42.8	1.312	33.3	1.510	38.4	.992	25.2	6-32	M4-0.7

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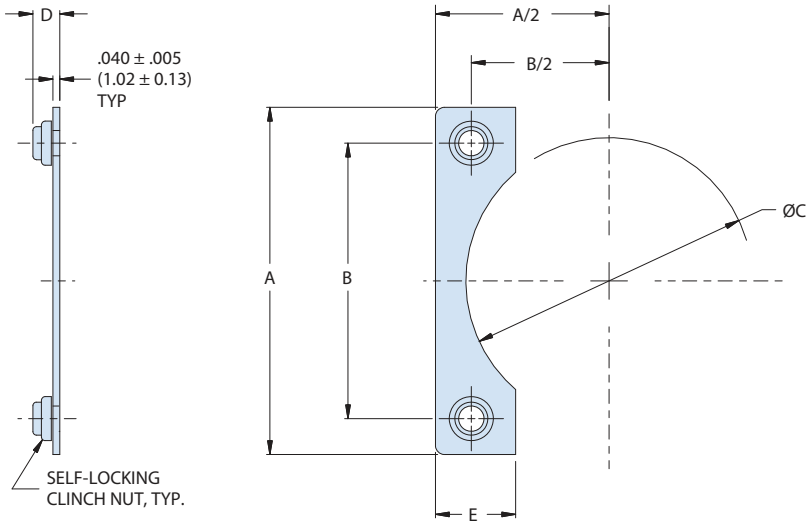
480-006 Mounting Device, Flange Type For Series 970 PowerTrip Connectors

Mounting Flange

Mounting device, flange type eliminate loose lockwashers and nuts for faster installation time and prevention of dropped hardware in hard-to-reach areas. Three finishes are available: gold iridite (Code E), iridite clear, Rohs compliant (ER) or epoxy primer (EAP). Passivated stainless steel clinch nuts with dry film lube, 6061 aluminum alloy plate.

PART NUMBER 480-006 | E | 36

Base P/N	480-006	
Finish	E	Gold Iridite
	ER	Iridite Clear, ROHS Compliant
	EAP	Polyamide Primer Per MIL-PRF-23377
Shell Size	18 20 24 28 32 36 40	



Shell Size	A in	A mm	B ± .003 in	B ± .003 mm	ø C ± .005 (0.1) in	ø C ± .005 (0.1) mm	D ± .030 in	D ± .030 mm	E in	E mm	Thread Size UNC
18	1.403	35.64	1.015	25.78	.950	24.13	.153	3.89	.388	9.86	6-32
20	1.528	38.81	1.140	28.96	1.095	27.81	.153	3.89	.388	9.86	6-32
24	1.738	44.15	1.281	32.54	1.280	32.51	.153	3.89	.457	11.61	6-32
28	2.158	54.81	1.568	39.83	1.580	40.13	.168	4.27	.590	14.99	8-32
32	2.343	59.51	1.734	44.04	1.840	46.74	.168	4.27	.609	15.47	8-32
36	2.598	65.99	1.984	50.39	2.090	53.09	.168	4.27	.614	15.60	8-32
40	2.848	72.34	2.234	56.74	2.340	59.44	.168	4.27	.614	15.60	8-32

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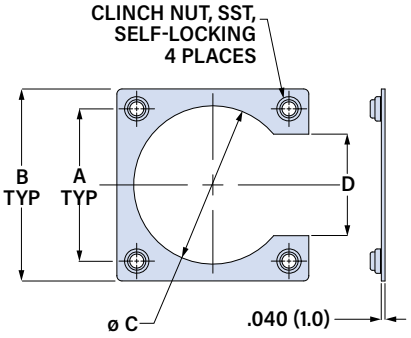
809-199, 809-303 Nut Plates for Series 80 Mighty Mouse Connectors

Nut Plate with Chem Film



Nut plates eliminate loose lockwashers and nuts for faster installation time and prevention of dropped hardware in hard-to-reach areas. Two finishes are available: chem film or epoxy primer. Passivated stainless steel clinch nuts, 6061 aluminum alloy plate.

PART NUMBER

	809-199	-9	EAP

Base P/N	**809-199**	Nut Plate with UNC Threads
	809-303	Nut Plate with Metric Threads
Dash Number	*See Table*	
Finish	*Omit for Chem Film*	
	EAP	Epoxy Primer

Dash Number	Shell Size Series 800	Series 801	Series 802	Series 805	A ± .005 (0.1) in	A mm	B ± .010 (0.3) in	B mm	ø C ± .010 (0.3) in	ø C mm	D ± .010 (0.3) in	D mm	Thread Size UNC	Thread Size Metric
-1			5		.500	12.7	.780	19.8	.400	10.2	.220	5.6	4-40	M3-0.5
-2			6		.625	15.9	.905	23.0	.600	15.2	.345	8.8	4-40	M3-0.5
-3				8	.660	16.8	.880	22.4	.700	17.8	.440	11.2	2-56	M2-0.5
-4			7		.688	17.5	.968	24.6	.680	17.3	.408	10.4	4-40	M3-0.5
-5	9, 10				.720	18.3	1.000	25.4	.728	18.5	.440	11.2	4-40	M3-0.5
-6				9	.720	18.3	.940	23.9	.728	18.5	.440	11.2	2-56	M2-0.5
-7			8		.750	19.1	1.030	26.2	.770	19.6	.470	11.9	4-40	M3-0.5
-8				10	.785	19.9	1.005	25.5	.805	20.4	.565	14.4	2-56	M2-0.5
-9	12	13	9		.812	20.6	1.092	27.7	.860	21.8	.532	13.5	4-40	M3-0.5
-10				11	.848	21.5	1.068	27.1	.868	22.0	.628	16.0	2-56	M2-0.5
-11			10		.875	22.2	1.155	29.3	.946	24.0	.595	15.1	4-40	M3-0.5
-13				12	.909	23.1	1.129	28.7	.909	23.1	.629	16.0	2-56	M2-0.5
-14			12		.938	23.8	1.218	30.9	1.018	25.9	.658	16.7	4-40	M3-0.5
-16		16			.981	24.9	1.261	32.0	1.061	26.9	.701	17.8	4-40	M3-0.5
-17		17		15	1.060	26.9	1.340	34.0	1.140	29.0	.780	19.8	4-40	M3-0.5
-18			14		1.125	28.6	1.405	35.7	1.205	30.6	.845	21.5	4-40	M3-0.5
-19		19	15		1.188	30.2	1.468	37.3	1.268	32.2	.908	23.1	4-40	M3-0.5
-20				18	1.255	31.9	1.535	39.0	1.335	33.9	.975	24.8	4-40	M3-0.5
-21		21		19	1.327	33.7	1.607	40.8	1.407	35.7	1.047	26.6	4-40	M3-0.5
-22				23	1.570	39.9	1.850	47.0	1.650	41.9	1.290	32.8	4-40	M3-0.5

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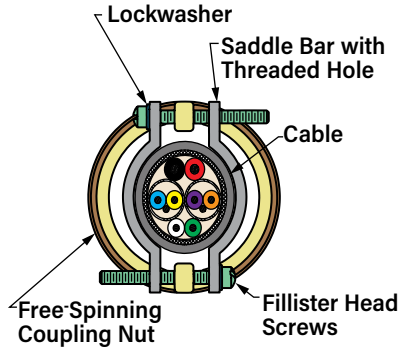
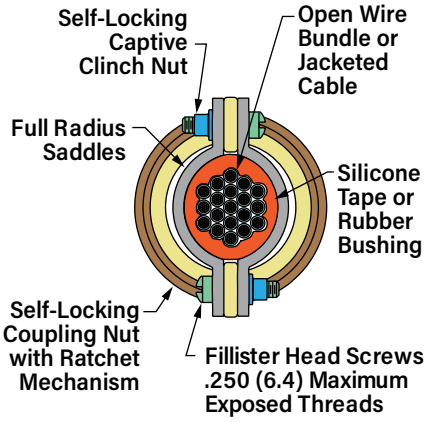
Series 62 Saddle Clamps

Selection Guide

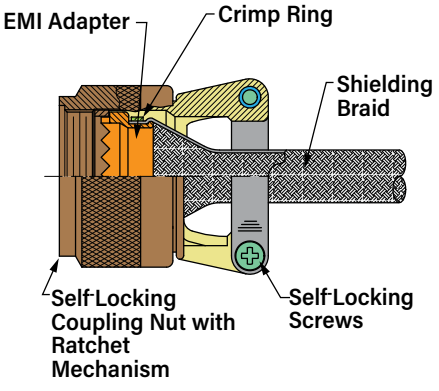
General Purpose



Self-Locking



EMI Braid Sock



Series 62 Saddle Clamps

General Purpose Saddle Clamps provide strain relief for jacketed cable. Saddle bars have tapped threads. Tighten saddle bars until the cable is secured.

Self-Locking Saddle Clamps are recommended for aircraft wiring harnesses with open wire bundles. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Full radius saddle bars have self-locking SST clinch nuts. Wrap wire bundle with tape or use rubber bushing. Tighten saddle bars until fully seated on clamp frame. Full radius saddles should be fully bottomed onto frame.

EMI Braid Socks feature a length of shield braid terminated to a nickel-plated brass EMI adapter. Aluminum, stainless steel or composite. Self-locking, suitable for high vibration environments.

Saddle Clamp Styles

General Purpose, Spin Coupling

General Purpose, Direct Coupling

Self-Locking

Clamp for AS50151 Solder Type, General Duty 'A' Endbell

Expanded Clearance, for #8 Contacts with Sealing Boots

Composite, Self-Locking

Self-Locking with EMI Braid Sock

Composite, Self-Locking, with EMI Braid Sock

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Series 62 Saddle Clamps

Selection Guide

Adapter Code A
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

Saddle Clamp
Spin Coupling
620A*046
Page 62-4

Saddle Clamp
Self-Locking
620A*038
Page 62-5

Saddle Clamp
Composite
620A*042
Page 62-6

Saddle Clamp
EMI Braid Sock
319A*175
Page 62-7

Saddle Clamp
EMI Braid Sock, Composite
319A*201
Page 62-9

Adapter Code B
AS50151 Solder with Endbell

Saddle Clamp
Style A Light Duty
620-053**A
Page 62-11

Saddle Clamp
Style C Environmental
620-053**C
Page 62-11

Saddle Clamp
Style H Heavy Duty
620-053**H
Page 62-12

Adapter Code E
MIL-DTL-26500

Saddle Clamp
Direct Coupling
620ES050
Page 62-39

Adapter Code F
MIL-DTL-38999
Series I and II

Saddle Clamp
Spin Coupling
620F*012
Page 62-13

Saddle Clamp
Self-Locking
620F*038
Page 62-14

Saddle Clamp
Composite
620F*042
Page 62-15

Saddle Clamp
EMI Braid Sock
319F*175
Page 62-16

Saddle Clamp
EMI Braid Sock, Composite
319F*201
Page 62-18

Adapter Code G
MIL-DTL-28840

Saddle Clamp
Spin Coupling
620G*051
Page 62-38

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Series 62 Saddle Clamps

Selection Guide

Adapter Code H
MIL-DTL-38999 Series III and IV

Saddle Clamp
Spin Coupling
620H*011
Page 62-20

Saddle Clamp
Self-Locking
620H*038
Page 62-21

Saddle Clamp
Composite
620H*042
Page 62-22

Saddle Clamp
EMI Braid Sock
319H*175
Page 62-23

Saddle Clamp, EMI Braid
Sock, Composite
319H*201
Page 62-25

Saddle Clamp, Expanded
Clearance for #8 Contacts
620HS090
Page 62-27

Adapter Code M
Series 80 Mighty Mouse

Saddle Clamp
Direct Coupling
620MS064
Page 62-28

Saddle Clamp
Spin Coupling
620M*065
Page 62-29

Saddle Clamp
Self-Locking
620M*077
Page 62-30

Saddle Clamp
Composite Self-Locking
620M*061
Page 62-31

Saddle Clamp
EMI Braid Sock
319M*199
Page 62-32

Saddle Clamp, Expanded
Clearance for #8 Contacts
620MS090
Page 62-33

Adapter Code P
Series 970 PowerTrip

Saddle Clamp
Self-Locking
620PS076
Page 62-37

Adapter Code V
Series 806 Mil-Aero

Saddle Clamp
Self-Locking
620V*080
Page 62-34

Saddle Clamp
Composite Self-Locking
620V*081
Page 62-35

Saddle Clamp, Expanded
Clearance for #8 Contacts
620VS090
Page 62-36

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Series 62 Saddle Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

620A*046 Saddle Clamp, General Purpose

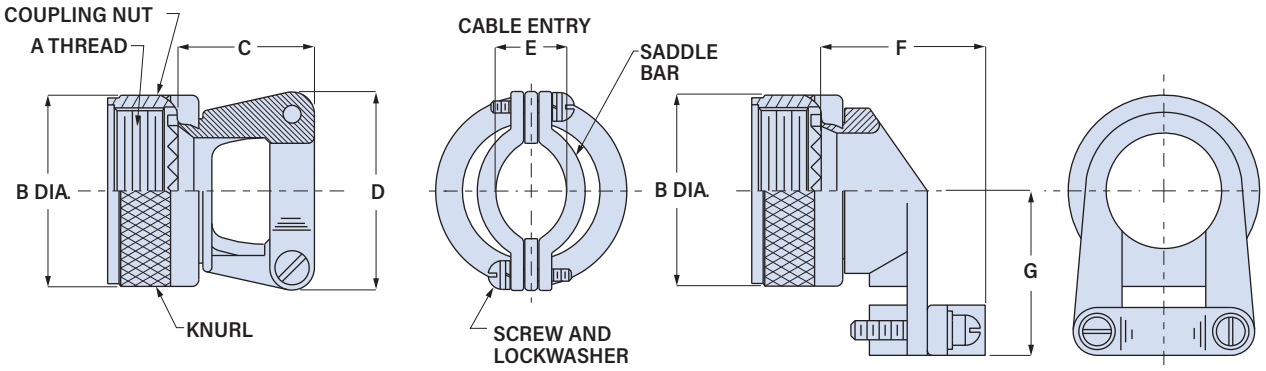
Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Spin coupling, general purpose. 620A*046 saddle clamp fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Aluminum coupling nut, frame and saddles. Stainless steel screws and washers.

PART NUMBER

	620AS046	NF	22
Base P/N	**620AS046** Straight **620AA046** 90°		
Finish	**C** Black Anodize **M** Electroless Nickel **MT** Nickel-PTFE **NF** Olive Drab Cadmium **ZR** Black Zinc-Nickel **TZ** Tin-Zinc		
Shell Size	**08 10 12 14 16 18 20 22 24 28 32 36 40**		



Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Cable Entry Closed in	E Cable Entry Closed mm	E Cable Entry Open in	E Cable Entry Open mm	F Max. in	F Max. mm	G Max. in	G Max. mm	Screw Size
08	0.500-20 UNF	.65	16.5	.63	16.0	.782	19.9	.125	3.2	.204	5.2	.78	19.8	.808	20.5	6-32
10	0.625-24 UNEF	.77	19.6	.74	18.8	.862	21.9	.187	4.8	.286	7.3	.86	21.8	.867	22.0	6-32
12	0.750-20 UNEF	.94	23.9	.86	21.8	1.003	25.5	.291	7.4	.416	10.6	1.05	26.7	.929	23.6	6-32
14	0.875-20 UNEF	1.07	27.2	.86	21.8	1.061	26.9	.351	8.9	.476	12.1	1.11	28.2	.992	25.2	6-32
16	1.000-20 UNEF	1.21	30.7	.99	25.2	1.334	33.9	.501	12.7	.625	15.9	1.26	32.0	1.056	26.8	6-32
18	1.0625-18 UNEF	1.23	31.2	1.24	31.5	1.466	37.2	.518	13.2	.706	17.9	1.37	34.8	1.233	31.3	8-32
20	1.1875-18 UNEF	1.36	34.5	1.36	34.5	1.572	39.9	.581	14.8	.831	21.1	1.50	38.1	1.296	32.9	8-32
22	1.3125-18 UNEF	1.48	37.6	1.49	37.8	1.688	42.9	.644	16.4	.956	24.3	1.62	41.1	1.358	34.5	8-32
24	1.4375-18 UNEF	1.73	43.9	1.61	40.9	1.790	45.5	.706	17.9	1.081	27.5	1.75	44.5	1.420	36.1	8-32
28	1.750-18 UNS	1.97	50.0	1.76	44.7	2.035	51.7	.750	19.1	1.187	30.15	1.89	48.0	1.634	41.5	¼-20
32	2.000-18 UNS	2.22	56.4	1.95	49.5	2.386	60.6	.875	22.2	1.250	31.8	1.95	49.5	1.859	47.2	¼-20
36	2.250-16 UN	2.47	62.7	2.33	59.2	2.496	63.4	.938	23.8	1.375	34.9	2.07	52.6	1.984	50.4	¼-20
40	2.500-16 UN	2.72	69.1	2.51	63.8	2.566	65.2	.938	23.8	1.500	38.1	2.20	55.9	2.109	53.6	¼-20

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Series 62 Saddle Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

620A*038 Saddle Clamp, Self-Locking

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

Self-locking. Full radius saddles. Saddle clamp fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. For use with open bundle wiring harnesses and closed bundle (jacketed) harnesses. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Die cast saddle bars have self-locking stainless steel clinch nuts. Full radius saddles are intended to be fully closed (bottomed onto frame). Wrap wire bundle with silicone tape so that the saddles, when fully closed, securely grip the wire bundle. Aluminum or 300 series stainless steel. Straight, 45° and 90° profiles.

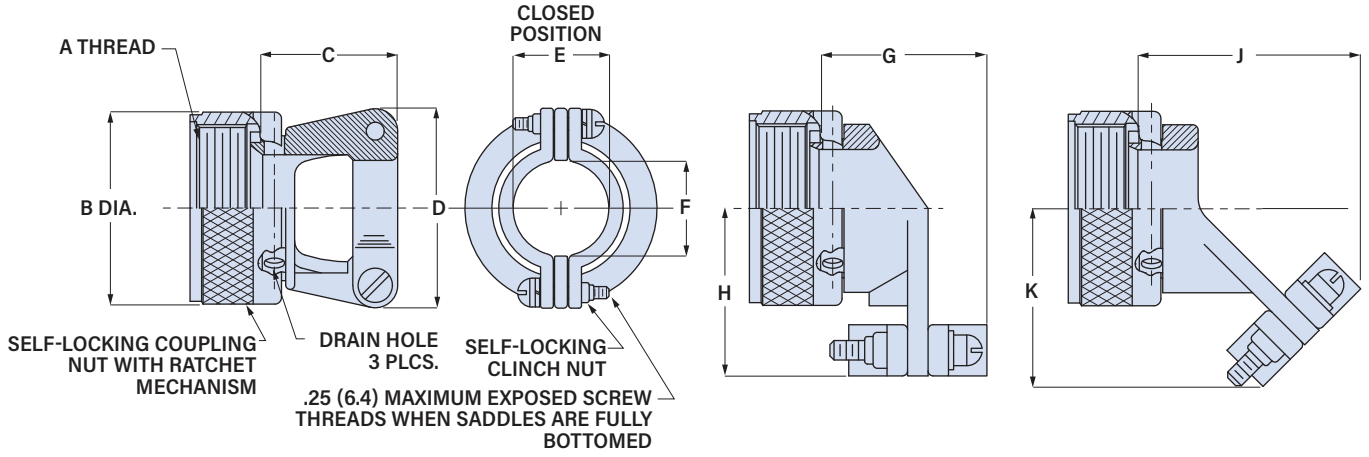
MATERIAL/FINISH

Body, saddles, coupling nut: aluminum or SST
Screws, washers, clinch nuts: stainless steel
Anti-decoupling spring: thermoplastic (aluminum clamps) or SST (SST clamps)

PART NUMBER

	620AS038	Z1	36

Base P/N	**620AS038** Straight **620AB038** 45° **620AA038** 90°
Material/Finish	**C** Alum/Black Anodize **M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated
Shell Size	**08 10 12 14 16 18 20 22 24 28 32 36**



Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E ±.031 (0.79) in	E ±.031 (0.79) mm	F Min. in	F Min. mm	G Max. in	G Max. mm	H Max. in	H Max. mm	J Max. in	J Max. mm	K Max. in	K Max. mm
08	0.500-20 UNF	.885	22.5	.84	21.3	.81	20.6	.219	5.6	.22	5.6	1.06	26.9	.91	23.1	1.32	33.5	.901	22.9
10	0.625-24 UNEF	1.010	25.7	.96	24.4	.89	22.6	.264	6.7	.27	6.9	1.10	27.9	.97	24.6	1.36	34.5	.964	24.5
12	0.750-20 UNEF	1.135	28.8	1.10	27.9	1.03	26.2	.344	8.7	.35	8.9	1.18	30.0	1.06	26.9	1.43	36.3	1.050	26.7
14	0.875-20 UNEF	1.260	32.0	1.10	27.9	1.08	27.4	.460	11.7	.47	11.9	1.30	33.0	1.16	29.5	1.48	37.6	1.112	28.2
16	1.000-20 UNEF	1.385	35.2	1.23	31.2	1.36	34.5	.545	13.8	.55	14.0	1.38	35.1	1.34	34.0	1.58	40.1	1.175	29.8
18	1.0625-18 UNEF	1.510	38.4	1.41	35.8	1.49	37.8	.615	15.6	.62	15.7	1.46	37.1	1.41	35.8	1.70	43.2	1.230	31.2
20	1.1875-18 UNEF	1.635	41.5	1.51	38.4	1.59	40.4	.698	17.7	.70	17.8	1.58	40.1	1.53	38.9	1.74	44.2	1.293	32.8
22	1.3125-18 UNEF	1.760	44.7	1.66	42.2	1.71	43.4	.780	19.8	.78	19.8	1.62	41.1	1.66	42.2	1.79	45.5	1.365	34.7
24	1.4375-18 UNEF	1.885	47.9	1.76	44.7	1.81	46.0	.850	21.6	.85	21.6	1.69	42.9	1.78	45.2	1.83	46.5	1.417	36.0
28	1.750-18 UNS	2.140	54.4	2.03	51.6	2.05	52.1	.950	24.1	.95	24.1	1.97	50.0	1.82	46.2	2.00	50.8	1.600	40.6
32	2.000-18 UNS	2.410	61.2	2.28	57.9	2.40	61.0	1.015	25.8	1.02	25.9	2.05	52.1	1.86	47.2	2.20	55.9	1.840	46.7
36	2.250-16 UN	2.700	68.6	2.53	64.3	2.51	63.8	1.187	30.1	1.19	30.2	2.19	55.6	1.98	50.3	2.22	56.4	1.850	47.0

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REV 04.11.23

Series 62 Saddle Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

620A*042 Saddle Clamp, Composite

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

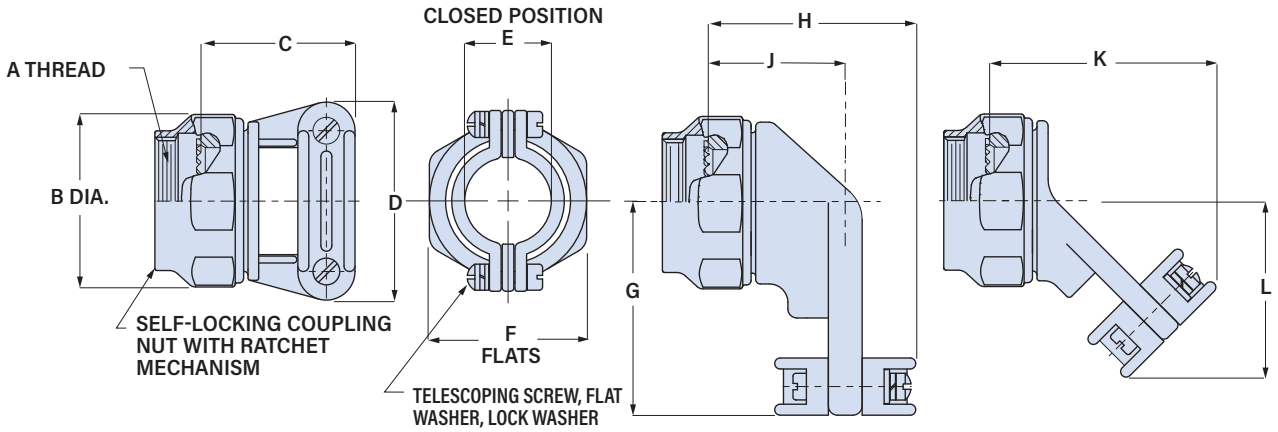
Self-locking. Full radius saddles. Composite saddle clamp fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Telescoping screws. Full radius saddles are intended to be bottomed onto frame. Wrap wire bundle with silicone tape so that the saddles, when fully closed, securely grip the wire bundle. High temperature thermoplastic. Straight, 45° and 90° profiles.

MATERIAL/FINISH

Coupling nut, saddles: polyetherimide (PEI), unplated
Clamp Body: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

	620AS042	XB	22
Base P/N	**620AS042** Straight **620AB042** 45° **620AA042** 90°		
Clamp Body Finish	**XM** Electroless Nickel **XW** Olive Drab Cadmium **XB** Unplated, Black Color **XO** Unplated, Natural (amber) Color **XZN** Black Zinc-Nickel		
Shell Size	**08 10 12 14 16 18 20 22 24 28**		



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	C ± .06(1.5) in	C ± .06(1.5) mm	D ± .06(1.5) in	D ± .06(1.5) mm	E ± .03(0.8) in	E ± .03(0.8) mm	F Flats (ref) in	F Flats (ref) mm	G ± .06(1.5) in	G ± .06(1.5) mm	H ± .06(1.5) in	H ± .06(1.5) mm	J Ref in	J Ref mm	K Max in	K Max mm	L Max in	L Max mm
08	0.500-20 UNF	.86	21.8	.80	20.3	.88	22.4	.218	5.5	.75	19.1	.88	22.4	.86	21.8	.63	16.0	1.32	33.5	.90	22.9
10	0.625-24 UNEF	.98	24.9	.88	22.4	.94	23.9	.264	6.7	.88	22.4	.94	23.9	.91	23.1	.65	16.5	1.35	34.3	.96	24.4
12	0.750-20 UNEF	1.16	29.5	1.00	25.4	1.17	29.7	.345	8.8	1.00	25.4	1.03	26.2	1.02	25.9	.71	18.0	1.43	36.3	1.05	26.7
14	0.875-20 UNEF	1.28	32.5	1.00	25.4	1.28	32.5	.461	11.7	1.13	28.7	1.13	28.7	1.13	28.7	.76	19.3	1.48	37.6	1.11	28.2
16	1.000-20 UNEF	1.41	35.8	1.13	28.7	1.41	35.8	.544	13.8	1.25	31.8	1.31	33.3	1.26	32.0	.80	20.3	1.58	40.1	1.17	29.7
18	1.0625-18 UNEF	1.52	38.6	1.19	30.2	1.50	38.1	.614	15.6	1.38	35.1	1.38	35.1	1.31	33.3	.83	21.1	1.70	43.2	1.23	31.2
20	1.1875-18 UNEF	1.64	41.7	1.25	31.8	1.56	39.6	.697	17.7	1.50	38.1	1.50	38.1	1.37	34.8	.90	22.9	1.74	44.2	1.29	32.8
22	1.3125-18 UNEF	1.77	45.0	1.38	35.1	1.69	42.9	.780	19.8	1.63	41.4	1.63	41.4	1.45	36.8	.94	23.9	1.79	45.5	1.36	34.5
24	1.4375-18 UNEF	1.89	48.0	1.50	38.1	1.82	46.2	.850	21.6	1.75	44.5	1.75	44.5	1.52	38.6	.97	24.6	1.83	46.5	1.41	35.8
28	1.750-18 UNS	2.16	54.9	1.75	44.5	1.94	49.3	.950	24.1	2.00	50.8	1.79	45.5	1.68	42.7	1.02	25.9	2.13	54.1	1.47	37.3

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Series 62 Saddle Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

319A*175 Saddle Clamp with EMI Braid Sock

Self-Locking

Shielded. Self-locking. Full radius saddles. Saddle clamp has shielding braid attached to EMI adapter. Fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Self-locking stainless steel clinch nuts. Aluminum or SST coupling nut and frame, with SST saddles. Straight, 45° and 90° profiles.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

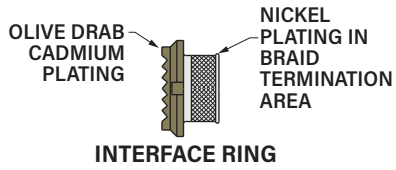


Figure 1
Finish Code NF selective Cad/Ni

PART NUMBER

	319AS175	Z1	10	L	R

Base P/N
- **319AS175** Straight
- **319AA175** 90°
- **319AB175** 45°

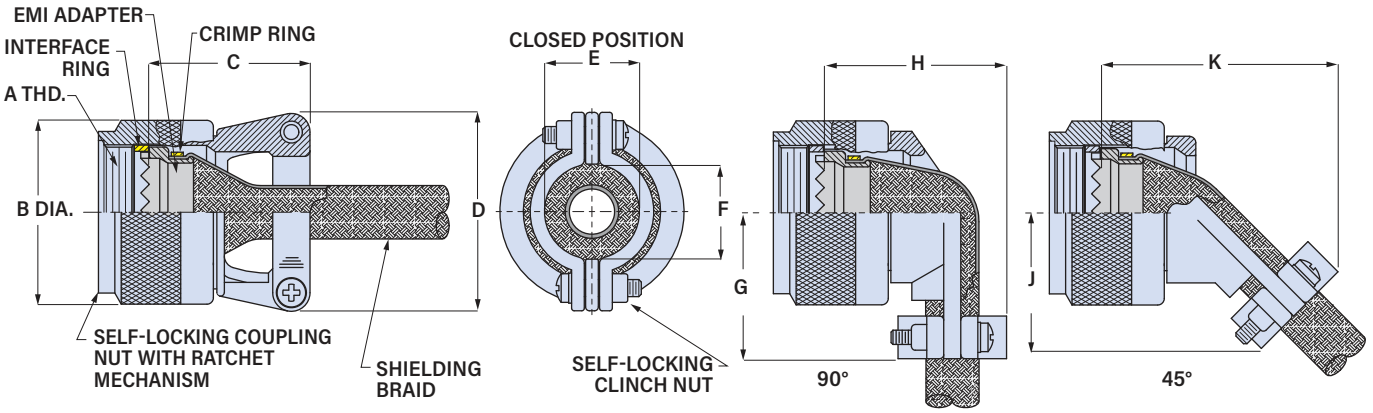
Material/ Finish
- **M** Alum/ Electroless Nickel
- **MT** Alum/ Nickel-PTFE
- **NF** Alum/ Olive Drab Cadmium
- **ZR** Alum/ Black Zinc-Nickel
- **TZ** Alum/ Tin-Zinc
- **Z1** Stainless Steel/ Passivate

Shell Size
08 10 12 14 16 18 20 22 24

Braid Type
Omit for standard 34 AWG nickel/copper braid
- **T** 34 AWG Tin/Copper Braid
- **A** AmberStrand® Nickel/Composite Braid
- **L** Microfilament ArmorLite® Nickel/SST Braid

Splice ring and Band
Omit if not required
- **R** Splice ring and coiled band supplied with clamp

Braid Length
Omit for standard 12 inch length
- **14** Length in 1 inch increments, 6 inch min. "14" = 14 inches.



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	C Max in	C Max mm	D Max in	D Max mm	E ± .031(0.8) in	E ± .031(0.8) mm	F Min in	F Min mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm
08	0.500-20 UNF	.812	20.6	.987	25.1	.922	23.4	.265	6.7	.27	6.9	.97	24.6	1.20	30.5	.964	24.5	1.428	36.3
10	0.625-24 UNEF	.936	23.8	1.095	27.8	.968	24.6	.310	7.9	.31	7.9	1.06	26.9	1.28	32.5	1.050	26.7	1.498	38.1
12	0.750-20 UNEF	1.060	26.9	1.199	30.5	1.189	30.2	.390	9.9	.38	9.7	1.16	29.5	1.40	35.6	1.112	28.2	1.548	39.3
14	0.875-20 UNEF	1.200	30.5	1.208	30.7	1.305	33.2	.506	12.9	.51	13.0	1.34	34.0	1.48	37.6	1.175	29.9	1.648	41.9
16	1.000-20 UNEF	1.318	33.5	1.468	37.3	1.389	35.3	.591	15.0	.59	15.0	1.41	35.8	1.56	39.6	1.230	31.2	1.768	44.9
18	1.0625-18 UNEF	1.434	36.4	1.551	39.4	1.458	37.1	.661	16.8	.66	16.8	1.53	38.9	1.68	42.7	1.293	32.8	1.808	45.9
20	1.1875-18 UNEF	1.540	39.1	1.676	42.6	1.543	39.2	.744	18.9	.74	18.8	1.66	42.2	1.72	43.7	1.365	34.7	1.858	47.2
22	1.3125-18 UNEF	1.671	42.4	1.759	44.7	1.628	41.4	.826	21.0	.83	21.1	1.78	45.2	1.79	45.5	1.417	36.0	1.898	48.2
24	1.4375-18 UNEF	1.790	45.5	1.859	47.2	1.697	43.1	.896	22.8	.90	22.9	1.89	48.0	1.88	47.8	1.500	38.1	2.000	50.8

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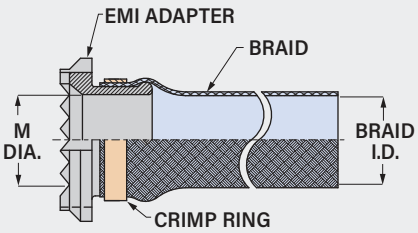
Series 62 Saddle Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

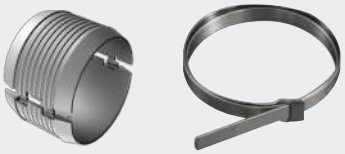
319A*175 Saddle Clamp with EMI Braid Sock

EMI ADAPTER AND BRAID DIMENSIONS

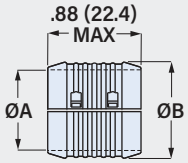


Shell Size	ø M Min. in	ø M Min. mm	Braid I.D. in	Braid I.D. mm
08	.265	6.7	.375	9.5
10	.370	9.4	.375	9.5
12	.506	12.9	.500	12.7
14	.580	14.7	.500	12.7
16	.705	17.9	.781	19.8
18	.784	19.9	.781	19.8
20	.909	23.1	1.000	25.4
22	1.034	26.3	1.000	25.4
24	1.149	29.2	1.250	31.8

SPLICE RING AND PRE-COILED BAND (R OPTION)



Optional split splice ring provides a reliable, low resistance method of splicing braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock and cable braid. Install band around splice ring and braid using Band-Master ATS® standard banding tool.



687-207
SPLICE RING

Banding Tool

Shell Size	Splice ring Part Number	øA ± .030 (0.8) in	øA ± .030 (0.8) mm	øB ± .030 (0.8) in	øB ± .030 (0.8) mm
08	687-207XB04	.25	6.4	.40	10.2
10	687-207XB06	.38	9.7	.53	13.5
12	687-207XB08	.50	12.7	.65	16.5
14	687-207XB10	.63	16.0	.78	19.8
16	687-207XB12	.75	19.1	.90	22.9
18	687-207XB14	.88	22.4	1.03	26.2
20	687-207XB16	1.00	25.4	1.15	29.2
22	687-207XB18	1.13	28.7	1.28	32.5
24	687-207XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut: aluminum or stainless steel
Saddle bars: stainless steel/passivated
EMI adapter and interface ring: brass, plated per finish code. For finish code NF, adapter is selectively plated as shown in fig. 1. For finish code Z1, adapter and ring are plated electroless nickel
Crimp ring: copper/tin
Screws, washers: stainless steel/passivated
Clinch nuts: stainless steel/silver
Anti-decoupling spring: thermoplastic (aluminum versions) or SST (SST versions)
Coupling nut retainer wire: monel
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N
Code T: 34 AWG tin-coated copper, type AA59569R34T
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® microfilament nickel-coated 316L stainless steel

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Series 62 Saddle Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

319A*201 Saddle Clamp with EMI Braid Sock, Composite

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

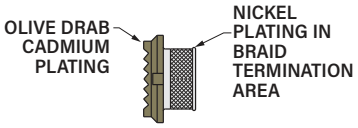
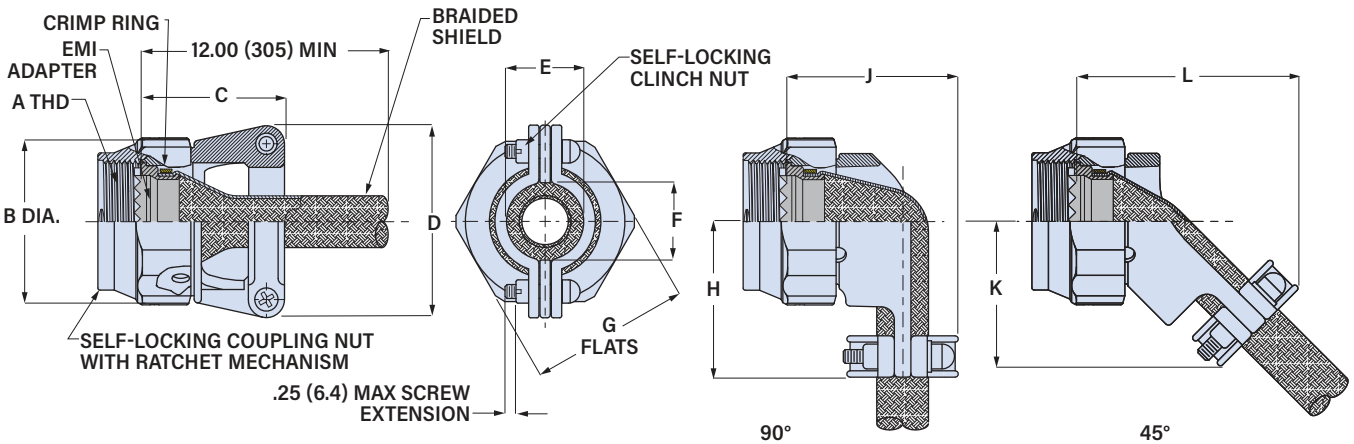


Figure 1
Finish Code XN selective Cad/Ni

Shielded. Self-locking. Composite. Saddle clamp has brass EMI adapter attached to 12 inches (30 cm) of shielding braid. Fits **AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III** connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Captive self-locking clinch nuts, full radius saddles. Available with **ArmorLite®** lightweight microfilament SST braid. Straight, 45° and 90° profiles.

PART NUMBER

	319AS201	XB	10	L	R
Base P/N	**319AS201** Straight **319AA201** 90° **319AB201** 45°				
EMI Adapter Finish		**XB** Electroless Nickel **XMT** Nickel/PTFE **XN** Olive Drab Cadmium, selective (fig.1)			
Shell Size			**08 10 12 14 16 18 20 22 24**		
Braid Type			*Omit for standard 34 AWG nickel/copper braid* **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** Microfilament ArmorLite® Nickel/SST Braid		
Splice ring and Band				*Omit if not required* **R** Splice ring and coiled band supplied with clamp	
Braid Length					*Omit for standard 12 inch length* **14** Length in 1 inch increments, 6 inch min. "14" = 14 inches.



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	C Max in	C Max mm	D Max in	D Max mm	E ± .031(0.79) in	E ± .031(0.79) mm	F Min in	F Min mm	G Flats (ref) in	G Flats (ref) mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm
08	0.500-20 UNF	.86	21.8	.939	23.9	.88	22.4	.265	6.7	.22	5.6	.75	19.1	.91	23.1	1.128	28.7	.901	22.9	1.388	35.3
10	0.625-24 UNEF	.98	24.9	1.059	26.9	.94	23.9	.310	7.9	.27	6.9	.88	22.4	.97	24.6	1.168	29.7	.964	24.5	1.428	36.3
12	0.750-20 UNEF	1.16	29.5	1.199	30.5	1.17	29.7	.390	9.9	.35	8.9	1.00	25.4	1.06	26.9	1.248	31.7	1.050	26.7	1.498	38.0
14	0.875-20 UNEF	1.28	32.5	1.199	30.5	1.28	32.5	.506	12.9	.47	11.9	1.13	28.7	1.16	29.5	1.368	34.7	1.112	28.2	1.548	39.3
16	1.000-20 UNEF	1.41	35.8	1.329	33.8	1.41	35.8	.591	15.0	.55	14.0	1.25	31.8	1.34	34.0	1.448	36.8	1.175	29.8	1.648	41.9
18	1.0625-18 UNEF	1.52	38.6	1.509	38.3	1.50	38.1	.661	16.8	.62	15.7	1.38	35.1	1.41	35.8	1.528	38.8	1.230	31.2	1.768	44.9
20	1.1875-18 UNEF	1.64	41.7	1.609	40.9	1.56	39.6	.744	18.9	.70	17.8	1.50	38.1	1.53	38.9	1.648	41.9	1.293	32.8	1.808	45.9
22	1.3125-18 UNEF	1.77	45.0	1.759	44.7	1.69	42.9	.826	21.0	.78	19.8	1.63	41.4	1.66	42.2	1.688	42.9	1.365	34.7	1.858	47.2
24	1.4375-18 UNEF	1.89	48.0	1.859	47.2	1.82	46.2	.896	22.8	.85	21.6	1.75	44.5	1.78	45.2	1.758	44.7	1.417	36.0	1.898	48.2

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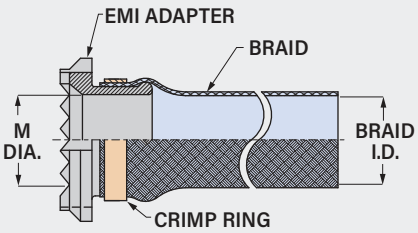
Series 62 Saddle Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

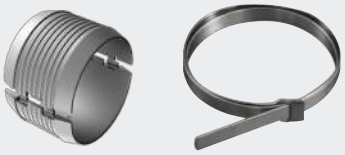
319A*201 Saddle Clamp with EMI Braid Sock, Composite

EMI ADAPTER AND BRAID DIMENSIONS

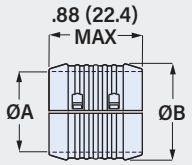


Shell Size	ø M Min. in	ø M Min. mm	Braid I.D. in	Braid I.D. mm
08	.265	6.7	.375	9.5
10	.370	9.4	.375	9.5
12	.506	12.9	.500	12.7
14	.580	14.7	.500	12.7
16	.705	17.9	.781	19.8
18	.784	19.9	.781	19.8
20	.909	23.1	1.000	25.4
22	1.034	26.3	1.000	25.4
24	1.149	29.2	1.250	31.8

SPLICE RING AND PRE-COILED BAND (R OPTION)



Optional split splice ring provides a reliable, low resistance method of splicing braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock and cable braid. Install band around splice ring and braid using Band-Master ATS® standard banding tool.



687-207
SPLICE RING

Banding Tool

Shell Size	Splice ring Part Number	øA ± .030 (0.8) in	øA ± .030 (0.8) mm	øB ± .030 (0.8) in	øB ± .030 (0.8) mm
08	687-207XB04	.25	6.4	.40	10.2
10	687-207XB06	.38	9.7	.53	13.5
12	687-207XB08	.50	12.7	.65	16.5
14	687-207XB10	.63	16.0	.78	19.8
16	687-207XB12	.75	19.1	.90	22.9
18	687-207XB14	.88	22.4	1.03	26.2
20	687-207XB16	1.00	25.4	1.15	29.2
22	687-207XB18	1.13	28.7	1.28	32.5
24	687-207XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut, saddles: polyetherimide (PEI)/no finish (black color)
EMI adapter: brass, plated per finish code. For finish code XN, selectively plated as shown in fig. 1.
Crimp ring: copper/tin
Screws, washers, clinch nuts: stainless steel/passivated
Clinch nuts: stainless steel/silver
Anti-decoupling spring: high grade engineering thermoplastic
Splice ring: PEI, black color
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N
Code T: 34 AWG tin-coated copper, type AA59569R34T
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® microfilament nickel-coated 316L stainless steel

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Series 62 Saddle Clamps

for AS50151 Solder Connectors

620-053A, 620-053C Saddle clamp

620-053 STYLE A SADDLE CLAMP

Adapter Code B

Fits AS50151 solder type general duty "A" endbells.

TABLE 1 FINISH CODES

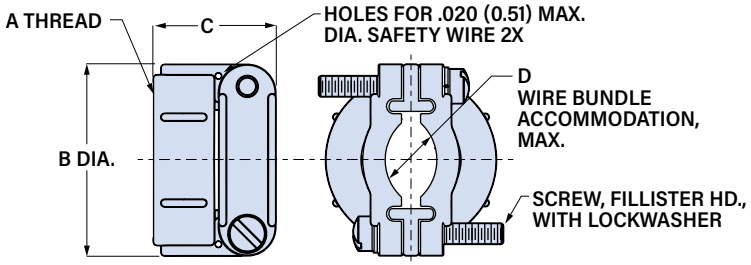
Aluminum

C	Black Anodize	MT	Nickel-PTFE
M	Electroless Nickel	ZR	Black Zinc-Nickel
NF	Olive Drab Cadmium	TZ	Tin-Zinc

MATERIAL/FINISH

Body, saddles, coupling nut: Aluminum
Screws, washers: stainless steel/passivated

Direct coupling. Fits AS50151 solder connectors. Style A clamp is a non-environmental light duty saddle clamp conforming to AS85041/41 and MS3057A.



Size	Ref. Connector Shell Size	Part Number ✳ = Finish Code from Table 1	A Thread Class 2B	øB Max in	øB Max mm	C ± .03(0.8) in	C ± .03(0.8) mm	D Max in	D Max mm
03	8S, 10S	620-053✳03A	0.500-28-UNEF	.843	21.4	.812	20.6	.250	6.4
04	10SL, 12S, 12	620-053✳04A	0.625-24 UNEF	.906	23.0	.812	20.6	.312	7.9
06	14S, 14	620-053✳06A	0.750-20 UNEF	1.093	27.8	.875	22.2	.438	11.1
08	16S, 16	620-053✳08A	0.875-20 UNEF	1.187	30.1	.938	23.8	.562	14.3
10	18	620-053✳10A	1.000-20 UNEF	1.281	32.5	.938	23.8	.625	15.9
12	20, 22	620-053✳12A	1.188-18 UNEF	1.500	38.1	.938	23.8	.750	19.1
16	24, 28	620-053✳16A	1.438-18 UNEF	1.719	43.7	1.031	26.2	.938	23.8
20	32	620-053✳20A	1.750-18 UNS	2.062	52.4	1.094	27.8	1.250	31.8
24	36	620-053✳24A	2.000-18 UNS	2.312	58.7	1.156	29.4	1.375	34.9
28	40	620-053✳28A	2.250-16 UN	2.719	69.1	1.688	42.9	1.625	41.3
32	44	620-053✳32A	2.500-16 UN	2.969	75.4	1.750	44.5	1.875	47.6
40	48	620-053✳40A	3.000-16 UN	3.531	89.7	1.750	44.5	2.375	60.3

620-053 STYLE C SADDLE CLAMP

Adapter Code B

Fits AS50151 solder type general duty "A" endbells.

TABLE 1 FINISH CODES

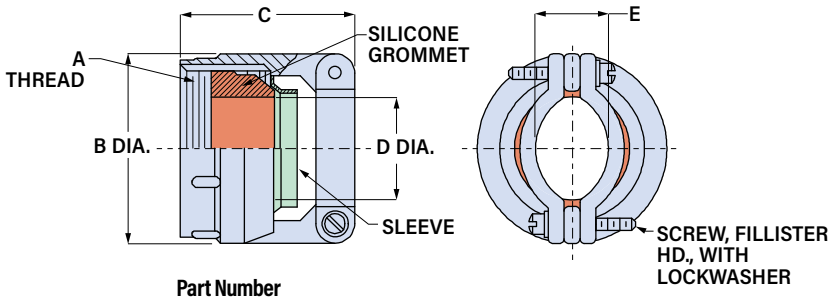
Aluminum

C	Black Anodize	MT	Nickel-PTFE
M	Electroless Nickel	ZR	Black Zinc-Nickel
NF	Olive Drab Cadmium	TZ	Tin-Zinc

MATERIAL/FINISH

Body, saddles, coupling nut, sleeve: Aluminum
Screws, washers: stainless steel/passivated
Grommet: silicone rubber

Direct coupling. Fits AS50151 solder connectors. Style C clamp has silicone rubber cable grommet and aluminum compression sleeve. Meets AS85049/2 Category 1C water immersion requirements.



Size	Ref. Connector Shell Size	Part Number ✳ = Finish Code from Table 1	A Thread Class 2B	øB Max in	øB Max mm	C Max in	C Max mm	D Open in	D Open mm	E Max Closed in	E Max Closed mm
03	8S, 10S	620-053✳03C	0.500-28-UNEF	.812	20.6	1.375	34.9	.219	5.6	.217	5.5
04	10SL, 12S, 12	620-053✳04C	0.625-24 UNEF	.937	23.8	1.375	34.9	.312	7.9	.296	7.5
06	14S, 14	620-053✳06C	0.750-20 UNEF	1.062	27.0	1.375	34.9	.438	11.1	.390	9.9
08	16S, 16	620-053✳08C	0.875-20 UNEF	1.188	30.2	1.375	34.9	.531	13.5	.434	11.0
10	18	620-053✳10C	1.000-20 UNEF	1.312	33.3	1.437	36.5	.625	15.9	.434	11.0
12	20, 22	620-053✳12C	1.188-18 UNEF	1.562	39.7	1.437	36.5	.750	19.1	.596	15.1
16	24, 28	620-053✳16C	1.438-18 UNEF	1.750	44.5	1.562	39.7	.956	23.8	.596	15.1
20	32	620-053✳20C	1.750-18 UNS	2.250	57.2	1.812	46.0	1.250	31.8	.858	21.8
24	36	620-053✳24C	2.000-18 UNS	2.375	60.3	2.062	52.4	1.375	34.9	.858	21.8
28	40	620-053✳28C	2.250-16 UN	2.625	66.7	2.062	52.4	1.625	41.3	1.107	28.1
32	44	620-053✳32C	2.500-16 UN	2.812	71.4	2.188	55.6	1.875	47.6	1.421	36.1

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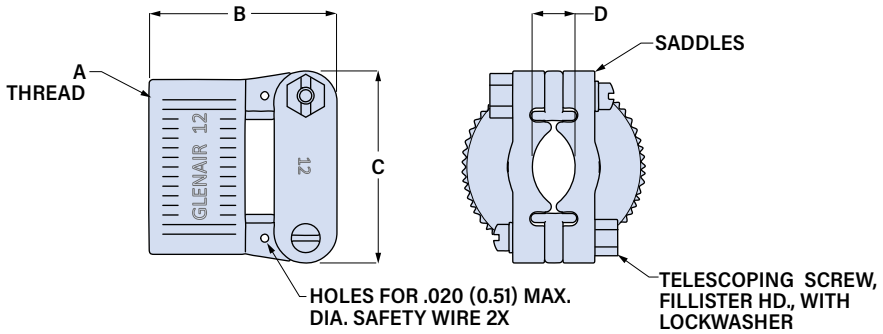
Series 62 Saddle Clamps

for AS50151 Solder Connectors

620-053H Saddle clamp

620-053 STYLE H SADDLE CLAMP

Direct coupling. Fits AS50151 solder connectors. Style H is a non-environmental heavy duty saddle clamp conforming to AS85049/42 and MS3057D. Aluminum or stainless steel.



Adapter Code B

Fits AS50151 solder type general duty "A" endbells.

TABLE 1 FINISH CODES

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel	ZU	Black Cadmium
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

MATERIAL/FINISH

Body, saddles, coupling nut: aluminum or SST
Screws, washers: stainless steel/passivated

Size	Ref. Connector Shell Size	Part Number ✳ = *Finish Code from Table I*	A Thread Class 2B	øB Max in	øB Max mm	C Max in	C Max mm	D Cable Range Min in	D Cable Range Min mm	D Cable Range Max in	D Cable Range Max mm
03	10SL, 12S, 12	620-053✳04H	0.625-24 UNEF	1.312	33.3	.957	24.3	.125	3.2	.312	7.9
04	14S, 14	620-053✳06H	0.750-20 UNEF	1.312	33.3	1.145	29.1	.250	6.4	.437	11.1
06	16S, 16	620-053✳08H	0.875-20 UNEF	1.312	33.3	1.332	33.8	.312	7.9	.562	14.3
08	18	620-053✳10H	1.000-20 UNEF	1.312	33.3	1.332	33.8	.350	8.9	.625	15.9
12	20, 22	620-053✳12H	1.188-18 UNEF	1.344	34.1	1.551	39.4	.500	12.7	.750	19.1
16	24, 28	620-053✳16H	1.438-18 UNEF	1.438	36.5	1.770	45.0	.625	15.9	.937	23.8
20	32	620-053✳20H	1.750-18 UNS	1.625	41.3	2.113	53.7	.875	22.2	1.250	31.8
24	36	620-053✳24H	2.000-18 UNS	1.688	42.9	2.363	60.0	1.000	25.4	1.375	34.9
28	40	620-053✳28H	2.250-16 UN	1.938	49.2	2.770	70.4	1.250	31.8	1.625	41.3
32	44	620-053✳32H	2.500-16 UN	1.938	49.2	3.020	76.7	1.437	36.5	1.875	47.6

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series I and II Connectors

620F*012 Saddle Clamp, General Purpose

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Spin coupling, general purpose. 620F*012 saddle clamp fits MIL-DTL-38999 Series I and II connectors. For use with open bundle wiring harnesses and closed bundle (jacketed) harnesses. Aluminum coupling nut and frame, 300 series stainless steel hardware.

MATERIAL/FINISH

Body, saddles, coupling nut: aluminum
Screws, washers, clinch nuts: stainless steel

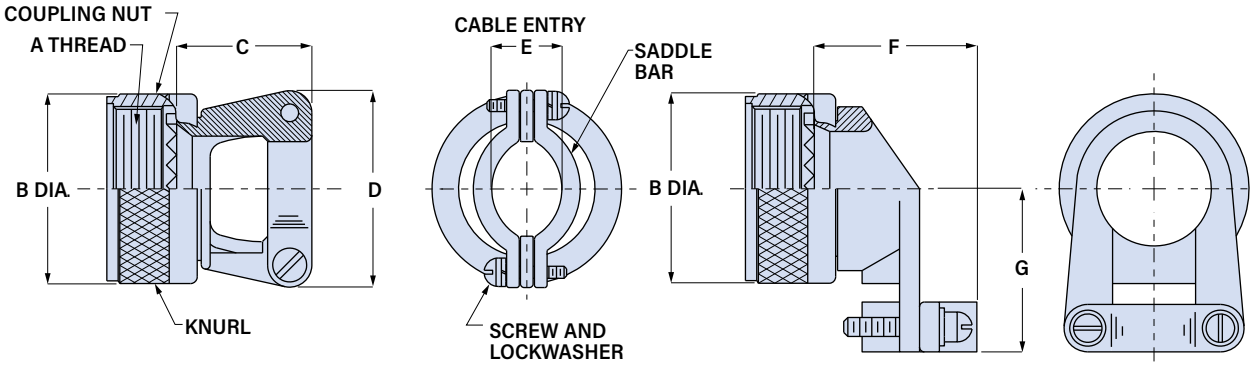
PART NUMBER

	620FS012	NF	08

Base P/N	**620FS012**	Straight
	620FA012	90°
Material/Finish	**C**	Black Anodize
	M	Electroless Nickel
	MT	Nickel-PTFE
	NF	Olive Drab Cadmium
	ZR	Black Zinc-Nickel
	TZ	Tin-Zinc

Size Code

Shell Size									
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**



Shell Size	A Thread UNEF-2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Cable Entry Closed in	E Cable Entry Closed mm	E Cable Entry Open in	E Cable Entry Open mm	F Max. in	F Max. mm	G Max. in	G Max. mm	Screw Size
8/9	0.4375-28	.650	16.5	.555	14.1	.752	19.1	.098	2.5	.234	5.9	.704	17.9	.808	20.5	6-32
10/11	0.5625-24	.770	19.6	.665	16.9	.832	21.1	.153	3.9	.234	5.9	.786	20.0	.867	22.0	6-32
12/13	0.6875-24	.890	22.6	.790	20.1	.988	25.1	.190	4.8	.328	8.3	.979	24.9	.929	24.0	6-32
14/15	0.8125-20	1.020	25.9	.790	20.1	1.046	26.6	.260	6.6	.457	11.6	1.039	26.4	.992	25.2	6-32
16/17	0.9375-20	1.150	29.2	.915	23.2	1.319	33.5	.283	7.2	.614	15.6	1.188	30.2	1.056	26.8	6-32
18/19	1.0625-18	1.230	31.2	1.165	29.6	1.451	36.9	.325	8.3	.634	16.1	1.300	33.1	1.233	31.3	8-32
20/21	1.1875-18	1.360	34.5	1.290	32.8	1.557	39.6	.343	8.7	.698	17.7	1.425	36.2	1.296	32.9	8-32
22/23	1.3125-18	1.480	37.6	1.415	35.9	1.653	42.0	.381	9.7	.823	20.9	1.550	39.4	1.358	34.5	8-32
24/25	1.4375-18	1.730	43.9	1.540	39.1	1.775	45.1	.418	10.6	.853	21.7	1.675	42.6	1.420	36.1	8-32

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series I and II Connectors

620F*038 Saddle Clamp, Self-Locking

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Self-locking. Full radius saddles. Open frame saddle clamp fits MIL-DTL-38999 Series I and II connectors. For use with open bundle wiring harnesses and closed bundle (jacketed) harnesses. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Die cast saddle bars have self-locking stainless steel clinch nuts. Full radius saddles are intended to be fully closed (bottomed onto frame). Wrap wire bundle with silicone tape so that the saddles, when fully closed, securely grip the wire bundle. Straight, 45° and 90° profiles. Aluminum or stainless steel.

MATERIAL/FINISH

Body, saddles, coupling nut: Aluminum or SST
Screws, washers, clinch nuts: stainless steel
Anti-decoupling spring: thermoplastic (aluminum clamps) or SST (SST clamps)

PART NUMBER

	620FS038	MT	16

Base P/N

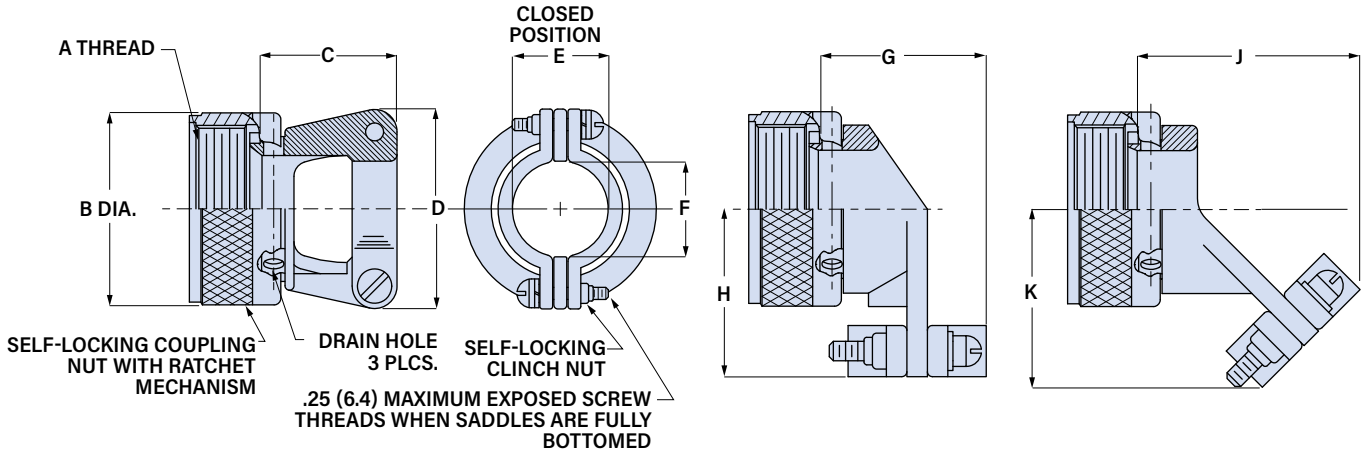
620FS038	Straight
620FB038	45°
620FA038	90°

Material/Finish

C	Alum/Black Anodize
M	Alum/Electroless Nickel
MT	Alum/Nickel-PTFE
NF	Alum/Olive Drab Cadmium
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated

Size Code

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	C Max in	C Max mm	D Max in	D Max mm	E ± .031 (0.79) in	E ± .031 (0.79) mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm
8/9	0.4375-28	.858	21.8	.840	21.3	.98	24.9	.219	5.6	.22	5.6	1.06	26.9	.91	23.1	1.32	33.5	.90	22.9
10/11	0.5625-24	.984	25.0	.960	24.4	1.05	26.7	.264	6.7	.27	6.9	1.10	27.9	.97	24.6	1.36	34.5	.97	24.6
12/13	0.6875-24	1.157	29.4	1.100	27.9	1.20	30.5	.344	8.7	.35	8.9	1.18	30.0	1.06	26.9	1.43	36.3	1.05	26.7
14/15	0.8125-20	1.279	32.5	1.100	27.9	1.30	33.0	.460	11.7	.47	11.9	1.30	33.0	1.16	29.5	1.48	37.6	1.11	28.2
16/17	0.9375-20	1.406	35.7	1.230	31.2	1.44	36.6	.545	13.8	.55	14.0	1.38	35.1	1.34	34.0	1.58	40.1	1.18	30.0
18/19	1.0625-18	1.516	38.5	1.410	35.8	1.56	39.6	.615	15.6	.62	15.7	1.46	37.1	1.41	35.8	1.70	43.2	1.23	31.2
20/21	1.1875-18	1.642	41.7	1.510	38.4	1.69	42.9	.698	17.7	.70	17.8	1.58	40.1	1.53	38.9	1.74	44.2	1.29	32.8
22/23	1.3125-18	1.768	44.9	1.660	42.2	1.77	45.0	.780	19.8	.78	19.8	1.62	41.1	1.66	42.2	1.79	45.5	1.37	34.8
24/25	1.4375-18	1.869	47.5	1.760	44.7	1.89	48.0	.850	21.6	.85	21.6	1.69	42.9	1.78	45.2	1.83	46.5	1.42	36.1

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series I and II Connectors

620F*042 Saddle Clamp, Composite

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Self-locking. Full radius saddles. Lightweight, corrosion-free composite saddle clamp fits MIL-DTL-38999 Series I and II connectors. For use with open bundle wiring harnesses and closed bundle (jacketed) harnesses. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Telescoping screws. Full radius saddles are intended to be bottomed onto frame. High temperature thermoplastic. Straight, 45° and 90° profiles.

MATERIAL/FINISH

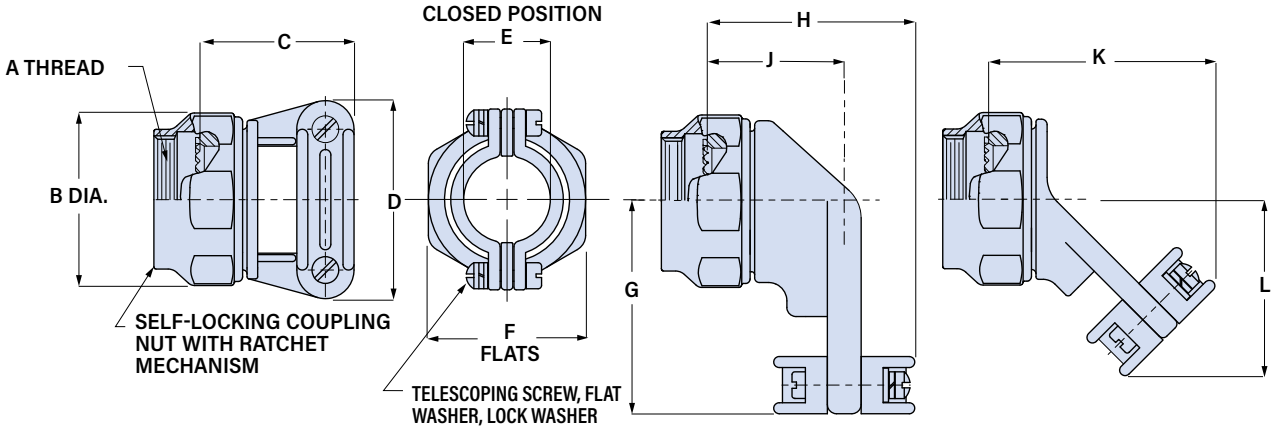
Coupling nut, saddles: polyetherimide (PEI), unplated
Clamp Body: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

		620FS042	XM	08
Base P/N	620FS042	Straight		
	620FB042	45°		
	620FA042	90°		
Clamp Body Finish	XM	Electroless Nickel		
	XW	Olive Drab Cadmium		
	XB	Unplated, Black Color		
	XO	Unplated, Natural (amber) Color		
	XZN	Black Zinc-Nickel		

Size Code

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	C ± .06(1.5) in	C ± .06(1.5) mm	D ± .06(1.5) in	D ± .06(1.5) mm	E ± .03(0.8) in	E ± .03(0.8) mm	F Flats (ref) in	F Flats (ref) mm	G ± .06(1.5) in	G ± .06(1.5) mm	H ± .06(1.5) in	H ± .06(1.5) mm	J Ref in	J Ref mm	K Max in	K Max mm	L Max in	L Max mm
8, 9	0.4375-28	.86	21.8	.80	20.3	.88	22.4	.218	5.5	.75	19.1	.88	22.4	.86	21.8	.63	16.0	1.32	33.5	.90	22.9
10, 11	0.5625-24	.98	24.9	.88	22.4	.94	23.9	.264	6.7	.88	22.4	.94	23.9	.91	23.1	.65	16.5	1.35	34.3	.96	24.4
12, 13	0.6875-24	1.16	29.5	1.00	25.4	1.17	29.7	.345	8.8	1.00	25.4	1.03	26.2	1.02	25.9	.71	18.0	1.43	36.3	1.05	26.7
14, 15	0.8125-20	1.28	32.5	1.00	25.4	1.28	32.5	.461	11.7	1.13	28.7	1.13	28.7	1.13	28.7	.76	19.3	1.48	37.6	1.11	28.2
16, 17	0.9375-20	1.41	35.8	1.13	28.7	1.41	35.8	.544	13.8	1.25	31.8	1.31	33.3	1.26	32.0	.80	20.3	1.58	40.1	1.17	29.7
18, 19	1.0625-18	1.52	38.6	1.19	30.2	1.50	38.1	.614	15.6	1.38	35.1	1.38	35.1	1.31	33.3	.83	21.1	1.70	43.2	1.23	31.2
20, 21	1.1875-18	1.64	41.7	1.25	31.8	1.56	39.6	.697	17.7	1.50	38.1	1.50	38.1	1.37	34.8	.90	22.9	1.74	44.2	1.29	32.8
22, 23	1.3125-18	1.77	45.0	1.38	35.1	1.69	42.9	.780	19.8	1.63	41.4	1.63	41.4	1.45	36.8	.94	23.9	1.79	45.5	1.36	34.5
24, 25	1.4375-18	1.89	48.0	1.50	38.1	1.82	46.2	.850	21.6	1.75	44.5	1.75	44.5	1.52	38.6	.97	24.6	1.83	46.5	1.41	35.8

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series I and II Connectors

319F*175 Saddle Clamp with EMI Braid Sock

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

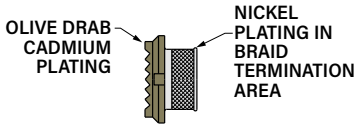


Figure 1
Finish Code NF selective Cad/Ni

Shielded. Self-locking. Full radius saddles. Saddle clamp has shielding braid attached to EMI adapter. Fits MIL-DTL-38999 Series I and II connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Self-locking stainless steel clinch nuts. Aluminum or SST coupling nut and frame, with SST saddles. Straight, 45° and 90° profiles.

PART NUMBER

	319FS175	M	14	L	R	14

Base P/N

319FS175	Straight
319FA175	90°
319FB175	45°

Material/Finish

M	Alum/Electroless Nickel
MT	Alum/Nickel-PTFE
NF	Alum/Olive Drab Cadmium
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated

Size Code

Shell Size									
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Braid Type

Omit for standard 34 AWG nickel/copper braid

T	34 AWG Tin/Copper Braid
A	AmberStrand® Nickel/Composite Braid
L	Microfilament ArmorLite® Nickel/SST Braid

Splice ring and Band

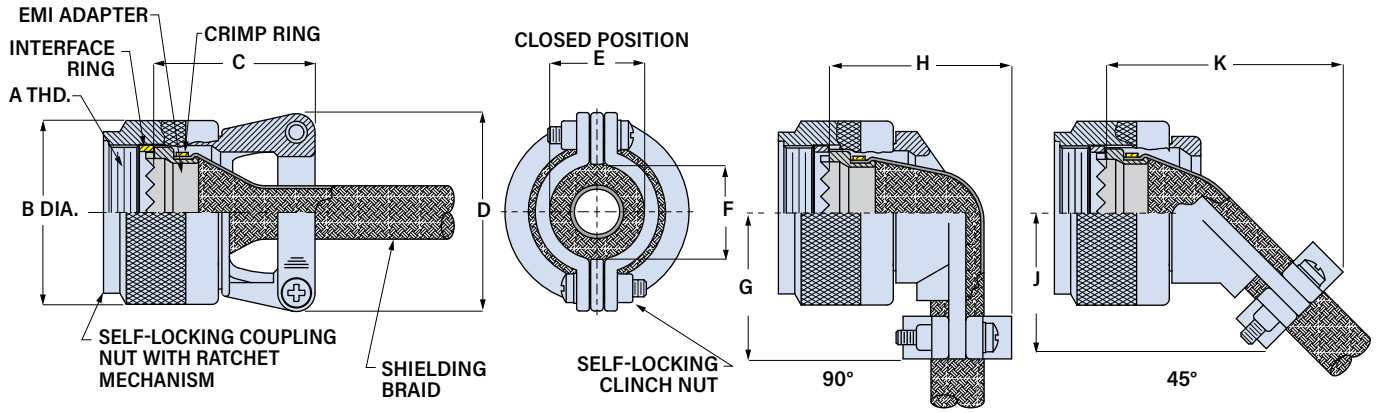
Omit if not required

R	Splice ring and coiled band supplied with clamp

Braid Length

Omit for standard 12 inch length

14	Length in 1 inch increments, 6 inch min. "14" = 14 inches.



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	C Max in	C Max mm	D Max in	D Max mm	E ± .031(0.8) in	E ± .031(0.8) mm	F Min in	F Min mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm
8, 9	0.4375-28	.812	20.6	.987	25.1	.922	23.4	.265	6.7	.27	6.9	.97	24.6	1.20	30.5	.964	24.5	1.428	36.3
10, 11	0.5625-24	.936	23.8	1.095	27.8	.968	24.6	.310	7.9	.31	7.9	1.06	26.9	1.28	32.5	1.050	26.7	1.498	38.1
12, 13	0.6875-24	1.060	26.9	1.199	30.5	1.189	30.2	.390	9.9	.38	9.7	1.16	29.5	1.40	35.6	1.112	28.2	1.548	39.3
14, 15	0.8125-20	1.200	30.5	1.208	30.7	1.305	33.2	.506	12.9	.51	13.0	1.34	34.0	1.48	37.6	1.175	29.9	1.648	41.9
16, 17	0.9375-20	1.318	33.5	1.468	37.3	1.389	35.3	.591	15.0	.59	15.0	1.41	35.8	1.56	39.6	1.230	31.2	1.768	44.9
18, 19	1.0625-18	1.434	36.4	1.551	39.4	1.458	37.1	.661	16.8	.66	16.8	1.53	38.9	1.68	42.7	1.293	32.8	1.808	45.9
20, 21	1.1875-18	1.540	39.1	1.676	42.6	1.543	39.2	.744	18.9	.74	18.8	1.66	42.2	1.72	43.7	1.365	34.7	1.858	47.2
22, 23	1.3125-18	1.671	42.4	1.759	44.7	1.628	41.4	.826	21.0	.83	21.1	1.78	45.2	1.79	45.5	1.417	36.0	1.898	48.2
24, 25	1.4375-18	1.790	45.5	1.859	47.2	1.697	43.1	.896	22.8	.90	22.9	1.89	48.0	1.88	47.8	1.500	38.1	2.000	50.8

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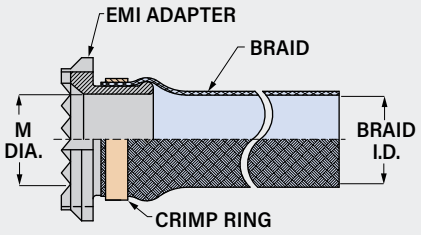
Series 62 Saddle Clamps

for MIL-DTL-38999 Series I and II Connectors

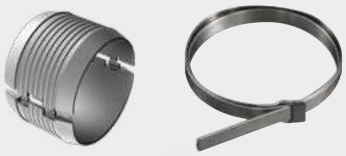
319F*175 Saddle Clamp with EMI Braid Sock

EMI ADAPTER AND BRAID DIMENSIONS

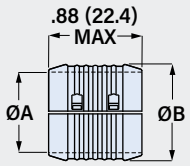


Shell Size	ø M Min. in	ø M Min. mm	Braid I.D. in	Braid I.D. mm
8/9	.265	6.73	.375	9.53
10/11	.370	9.40	.375	9.53
12/13	.506	12.85	.500	12.70
14/15	.580	14.73	.500	12.70
16/17	.705	17.91	.781	19.84
18/19	.784	19.91	.781	19.84
20/21	.909	23.09	1.000	25.40
22/23	1.034	26.26	1.000	25.40
24/25	1.149	29.18	1.250	31.75

SPLICE RING AND PRE-COILED BAND (R OPTION)



Optional split splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap Swing-Arm braid and cable braid. Install band around splice ring and braid using Band-Master ATS standard banding tool.



687-207
SPLICE RING

Banding Tool

Shell Size	Splice ring Part Number	øA ± .030 (0.8) in	øA ± .030 (0.8) mm	øB ± .030 (0.8) in	øB ± .030 (0.8) mm
8/9	687-207XB04	.25	6.4	.40	10.2
10/11	687-207XB06	.38	9.7	.53	13.5
12/13	687-207XB08	.50	12.7	.65	16.5
14/15	687-207XB10	.63	16.0	.78	19.8
16/17	687-207XB12	.75	19.1	.90	22.9
18/19	687-207XB14	.88	22.4	1.03	26.2
20/21	687-207XB16	1.00	25.4	1.15	29.2
22/23	687-207XB18	1.13	28.7	1.28	32.5
24/25	687-207XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut: aluminum or stainless steel
Saddle bars: stainless steel/passivated
EMI adapter and interface ring: brass, plated per finish code. For finish code NF, adapter is selectively plated as shown in fig. 1. For finish code Z1, adapter and ring are plated electroless nickel
Crimp ring: copper/tin
Screws, washers: stainless steel/passivated
Clinch nuts: stainless steel/silver
Anti-decoupling spring: thermoplastic (aluminum versions) or SST (SST versions)
Coupling nut retainer wire: monel
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N
Code T: 34 AWG tin-coated copper, type AA59569R34T
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® microfilament nickel-coated 316L stainless steel

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series I and II Connectors

319F*201 Saddle Clamp with EMI Braid Sock, Composite

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

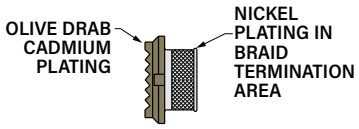


Figure 1
Finish Code XN selective Cad/Ni

Shielded. Self-locking. Composite. Saddle clamp has brass EMI adapter attached to 12 inches (30 cm) of shielding braid. Fits MIL-DTL-38999 Series I and II connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Captive self-locking clinch nuts, full radius saddles. Available with **ArmorLite**lightweight microfilament SST braid. Straight, 45° and 90° profiles.

PART NUMBER

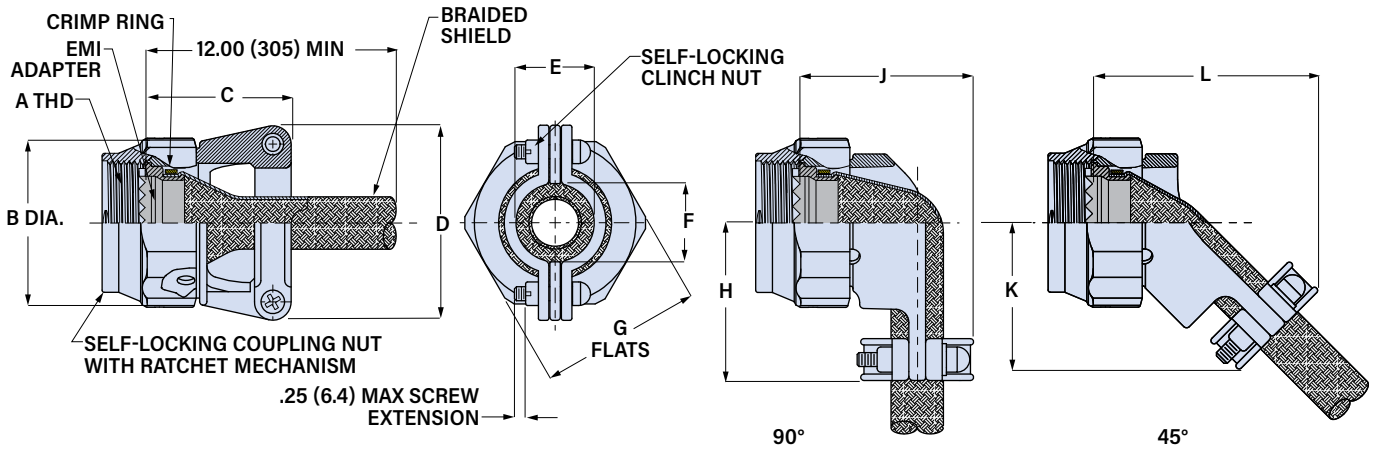
	319FS201	XB	16	T	R	16

Base P/N	**319FS201**	Straight
	319FA201	90°
	319FB201	45°
EMI Adapter Finish	**XB**	Electroless Nickel
	XMT	Nickel/PTFE
	XN	Olive Drab Cadmium, selective (fig.1)

Size Code

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**

Braid Type	*Omit for standard 34 AWG nickel/copper braid*	
	T	34 AWG Tin/Copper Braid
	A	AmberStrand® Nickel/Composite Braid
	L	Microfilament ArmorLite® Nickel/SST Braid
Splice ring and Band	*Omit if not required*	
	R	Splice ring and coiled band supplied with clamp
Braid Length	*Omit for standard 12 inch length*	
	14	Length in 1 inch increments, 6 inch min. "14" = 14 inches.



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	C Max in	C Max mm	D Max in	D Max mm	E ± .031(0.79) in	E ± .031(0.79) mm	F Min in	F Min mm	G Flats (ref) in	G Flats (ref) mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm
8, 9	0.4375-28	.86	21.8	.939	23.9	.88	22.4	.265	6.7	.22	5.6	.75	19.1	.91	23.1	1.128	28.7	.901	22.9	1.388	35.3
10, 11	0.5625-24	.98	24.9	1.059	26.9	.94	23.9	.310	7.9	.27	6.9	.88	22.4	.97	24.6	1.168	29.7	.964	24.5	1.428	36.3
12, 13	0.6875-24	1.16	29.5	1.199	30.5	1.17	29.7	.390	9.9	.35	8.9	1.00	25.4	1.06	26.9	1.248	31.7	1.050	26.7	1.498	38.0
14, 15	0.8125-20	1.28	32.5	1.199	30.5	1.28	32.5	.506	12.9	.47	11.9	1.13	28.7	1.16	29.5	1.368	34.7	1.112	28.2	1.548	39.3
16, 17	0.9375-20	1.41	35.8	1.329	33.8	1.41	35.8	.591	15.0	.55	14.0	1.25	31.8	1.34	34.0	1.448	36.8	1.175	29.8	1.648	41.9
18, 19	1.0625-18	1.52	38.6	1.509	38.3	1.50	38.1	.661	16.8	.62	15.7	1.38	35.1	1.41	35.8	1.528	38.8	1.230	31.2	1.768	44.9
20, 21	1.1875-18	1.64	41.7	1.609	40.9	1.56	39.6	.744	18.9	.70	17.8	1.50	38.1	1.53	38.9	1.648	41.9	1.293	32.8	1.808	45.9
22, 23	1.3125-18	1.77	45.0	1.759	44.7	1.69	42.9	.826	21.0	.78	19.8	1.63	41.4	1.66	42.2	1.688	42.9	1.365	34.7	1.858	47.2
24, 25	1.4375-18	1.89	48.0	1.859	47.2	1.82	46.2	.896	22.8	.85	21.6	1.75	44.5	1.78	45.2	1.758	44.7	1.417	36.0	1.898	48.2

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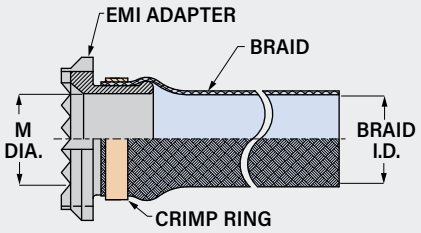
Series 62 Saddle Clamps

for MIL-DTL-38999 Series I and II Connectors

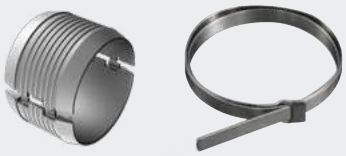
319F*201 Saddle Clamp with EMI Braid Sock, Composite

EMI ADAPTER AND BRAID DIMENSIONS

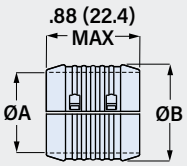


Shell Size	ø M Min. in	ø M Min. mm	Braid I.D. in	Braid I.D. mm
8/9	.265	6.73	.375	9.53
10/11	.370	9.40	.375	9.53
12/13	.506	12.85	.500	12.70
14/15	.580	14.73	.500	12.70
16/17	.705	17.91	.781	19.84
18/19	.784	19.91	.781	19.84
20/21	.909	23.09	1.000	25.40
22/23	1.034	26.26	1.000	25.40
24/25	1.149	29.18	1.250	31.75

SPLICE RING AND PRE-COILED BAND (R OPTION)



Optional split splice ring provides a reliable, low resistance method of splicing braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock and cable braid. Install band around splice ring and braid using Band-Master ATS® standard banding tool.



687-207
SPLICE RING

Banding Tool

Shell Size	Splice ring Part Number	øA ± .030 (0.8) in	øA ± .030 (0.8) mm	øB ± .030 (0.8) in	øB ± .030 (0.8) mm
8/9	687-207XB04	.25	6.4	.40	10.2
10/11	687-207XB06	.38	9.7	.53	13.5
12/13	687-207XB08	.50	12.7	.65	16.5
14/15	687-207XB10	.63	16.0	.78	19.8
16/17	687-207XB12	.75	19.1	.90	22.9
18/19	687-207XB14	.88	22.4	1.03	26.2
20/21	687-207XB16	1.00	25.4	1.15	29.2
22/23	687-207XB18	1.13	28.7	1.28	32.5
24/25	687-207XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut, saddles: polyetherimide (PEI)/no finish (black color)
EMI adapter: brass, plated per finish code. For finish code XN, selectively plated as shown in fig. 1.
Crimp ring: copper/tin
Screws, washers: stainless steel/passivated
Clinch nuts: stainless steel/silver
Anti-decoupling spring: high grade engineering thermoplastic
Splice ring: PEI, black color
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N
Code T: 34 AWG tin-coated copper, type AA59569R34T
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® microfilament nickel-coated 316L stainless steel

Series 62 Saddle Clamps

for MIL-DTL-38999 Series III and IV Connectors

620H*011 Saddle Clamp, General Purpose

Spin coupling, general purpose. 620H*012 saddle clamp fits MIL-DTL-38999 Series III and IV connectors. For use with open bundle wiring harnesses and closed bundle (jacketed) harnesses. Aluminum coupling nut and frame, 300 series stainless steel hardware.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

MATERIAL/FINISH

Body, saddles, coupling nut : aluminum
Screws, washers, clinch nuts: stainless steel

PART NUMBER

	620HS011	TZ	11

Base P/N

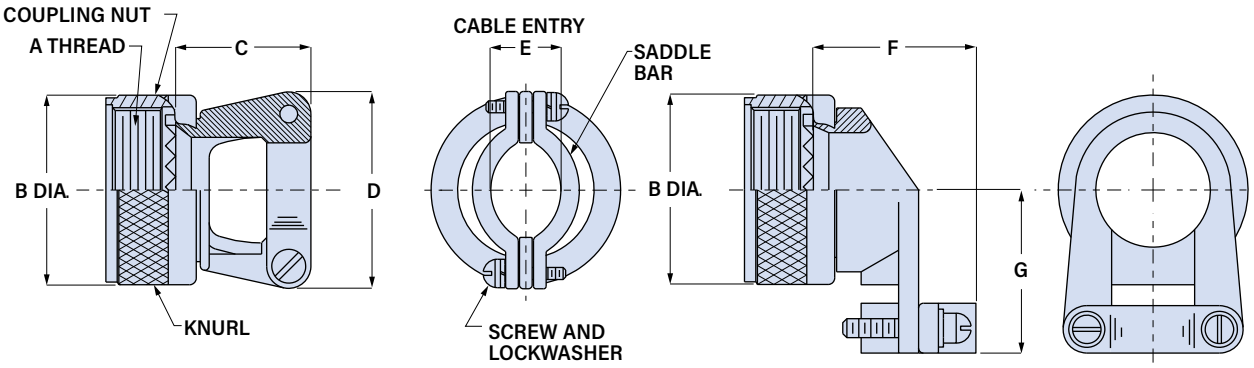
620HS011	Straight
620HA011	90°

Material/Finish

C	Black Anodize
M	Electroless Nickel
MT	Nickel-PTFE
NF	Olive Drab Cadmium
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

Size Code

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25



Shell Size	A Thread	øB Max. in	øB Max. mm	C Max in	C Max mm	D Max in	D Max mm	E Cable Entry Closed in	E Cable Entry Closed mm	E Cable Entry Open in	E Cable Entry Open mm	F Max. in	F Max. mm	G Max. in	G Max. mm	Screw Size
9 (A)	M12X1.0-6H	.770	19.6	.88	22.4	.85	21.6	.098	2.5	.234	5.9	.704	17.9	.808	20.5	6-32
11 (B)	M15X1.0-6H	.840	21.3	.88	22.4	.90	22.9	.153	3.9	.234	5.9	.786	20.0	.867	22.0	6-32
13 (C)	M18X1.0-6H	.960	24.4	.98	24.9	1.10	27.9	.190	4.8	.328	8.3	.979	24.9	.929	24.0	6-32
15 (D)	M22X1.0-6H	1.090	27.7	1.03	26.2	1.15	29.2	.260	6.6	.457	11.6	1.039	26.4	.992	25.2	6-32
17 (E)	M25X1.0-6H	1.230	31.2	1.13	28.7	1.30	33.0	.283	7.2	.614	15.6	1.188	30.2	1.056	26.8	6-32
19 (F)	M28X1.0-6H	1.360	34.5	1.38	35.1	1.50	38.1	.325	8.3	.634	16.1	1.300	33.0	1.233	31.3	8-32
21 (G)	M31X1.0-6H	1.480	37.6	1.48	37.6	1.60	40.6	.343	8.7	.698	17.7	1.425	36.2	1.296	32.9	8-32
23 (H)	M34X1.0-6H	1.600	40.6	1.63	41.4	1.70	43.2	.381	9.7	.823	20.9	1.550	39.4	1.358	34.5	8-32
25 (J)	M37X1.0-6H	1.720	43.7	1.73	43.9	1.80	45.7	.418	10.6	.853	21.7	1.675	42.6	1.420	36.1	8-32

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series III and IV Connectors

620H*038 Saddle Clamp, Self-Locking

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Self-locking. Full radius saddles. Open frame saddle clamp fits MIL-DTL-38999 Series III and IV connectors. For use with open bundle wiring harnesses and closed bundle (jacketed) harnesses. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Die cast saddle bars have self-locking stainless steel clinch nuts. Full radius saddles are intended to be fully closed (bottomed onto frame). Wrap wire bundle with silicone tape so that the saddles, when fully closed, securely grip the wire bundle. Straight, 45° and 90° profiles. Aluminum or stainless steel.

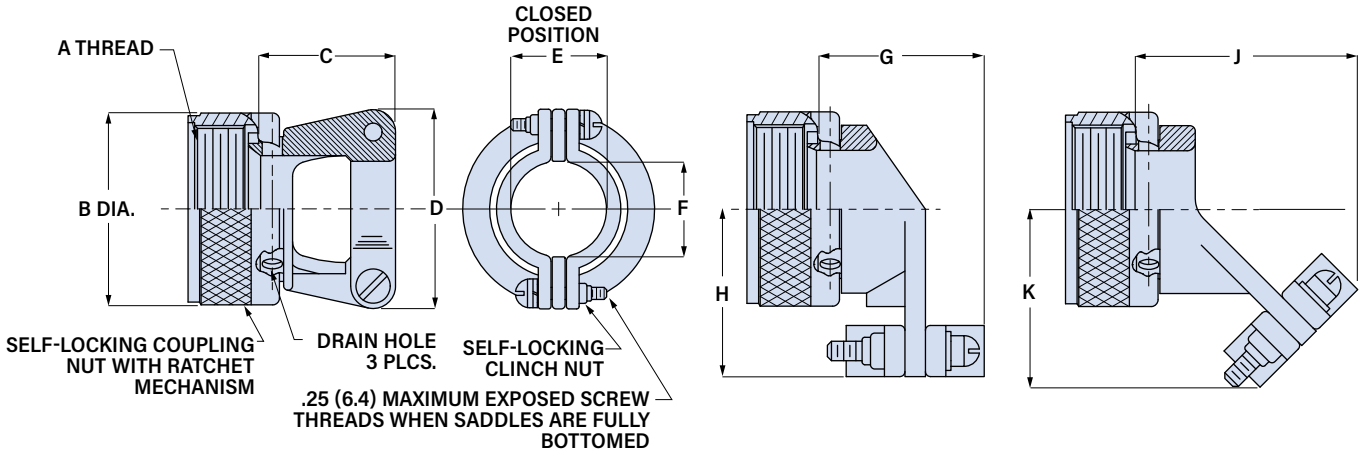
MATERIAL/FINISH

Body, saddles, coupling nut: Aluminum or SST
Screws, washers, clinch nuts: stainless steel
Anti-decoupling spring: thermoplastic (aluminum clamps) or SST (SST clamps)

PART NUMBER

	620HS038	MT	23
Base P/N	**620HS038** Straight **620HB038** 45° **620HA038** 90°		
Material/Finish	**C** Alum/Black Anodize **M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated		

Size Code									
Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25



Shell Size	A Thread	øB Max		C Max		D Max		E ± .031 (0.79)		F Max		G Max		H Max		J Max		K Max	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
9 (A)	M12X1.0-6H	.858	21.8	.840	21.3	.98	24.9	.219	5.6	.22	5.6	1.06	26.9	.91	23.1	1.32	33.5	.90	22.9
11 (B)	M15X1.0-6H	.984	25.0	.960	24.4	1.05	26.7	.264	6.7	.27	6.9	1.10	27.9	.97	24.6	1.36	34.5	.97	24.6
13 (C)	M18X1.0-6H	1.157	29.4	1.100	27.9	1.20	30.5	.344	8.7	.35	8.9	1.18	30.0	1.06	26.9	1.43	36.3	1.05	26.7
15 (D)	M22X1.0-6H	1.279	32.5	1.100	27.9	1.30	33.0	.460	11.7	.47	11.9	1.30	33.0	1.16	29.5	1.48	37.6	1.11	28.2
17 (E)	M25X1.0-6H	1.406	35.7	1.230	31.2	1.44	36.6	.545	13.8	.55	14.0	1.38	35.1	1.34	34.0	1.58	40.1	1.18	30.0
19 (F)	M28X1.0-6H	1.516	38.5	1.410	35.8	1.56	39.6	.615	15.6	.62	15.7	1.46	37.1	1.41	35.8	1.70	43.2	1.23	31.2
21 (G)	M31X1.0-6H	1.642	41.7	1.510	38.4	1.69	42.9	.698	17.7	.70	17.8	1.58	40.1	1.53	38.9	1.74	44.2	1.29	32.8
23 (H)	M34X1.0-6H	1.768	44.9	1.660	42.2	1.77	45.0	.780	19.8	.78	19.8	1.62	41.1	1.66	42.2	1.79	45.5	1.37	34.8
25 (J)	M37X1.0-6H	1.869	47.5	1.760	44.7	1.89	48.0	.850	21.6	.85	21.6	1.69	42.9	1.78	45.2	1.83	46.5	1.42	36.1

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series III and IV Connectors

620H*042 Saddle Clamp, Composite

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Self-locking. Full radius saddles. Lightweight, corrosion-proof composite saddle clamp fits MIL-DTL-38999 Series III and IV connectors. For use with open bundle wiring harnesses and closed bundle (jacketed) harnesses. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Telescoping screws. Full radius saddles are intended to be bottomed onto frame. High temperature thermoplastic. Straight, 45° and 90° profiles.

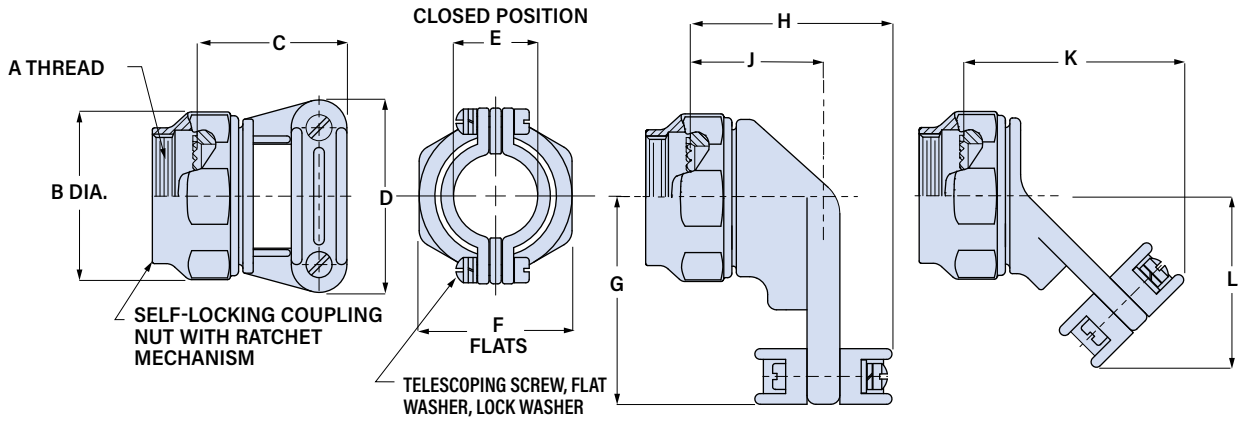
MATERIAL/FINISH

Coupling nut, saddles: polyetherimide (PEI), unplated
Clamp Body: polyetherimide (PEI)/finish per PN
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

		620HA042	XZN	13
Base P/N	**620HS042** Straight **620HB042** 45° **620HA042** 90°			
Clamp Body Finish	**XM** Electroless Nickel **XW** Olive Drab Cadmium **XB** Unplated, Black Color **XO** Unplated, Natural (amber) Color **XZN** Black Zinc-Nickel			
Size Code				

Shell Size	9	11	13	15	17	19	21	23	25
Size Code	A	B	C	D	E	F	G	H	J
	09	11	13	15	17	19	21	23	25



Shell Size	A Thread	øB Max in	øB Max mm	C ± .06(1.5) in	C ± .06(1.5) mm	D ± .06(1.5) in	D ± .06(1.5) mm	E ± .03(0.8) in	E ± .03(0.8) mm	F Flats (ref) in	F Flats (ref) mm	G ± .06(1.5) in	G ± .06(1.5) mm	H ± .06(1.5) in	H ± .06(1.5) mm	J Ref in	J Ref mm	K Max in	K Max mm	L Max in	L Max mm
9 (A)	M12X1.0-6H	.86	21.8	.80	20.3	.88	22.4	.218	5.5	.75	19.1	.88	22.4	.86	21.8	.63	16.0	1.32	33.5	.90	22.9
11 (B)	M15X1.0-6H	.98	24.9	.88	22.4	.94	23.9	.264	6.7	.88	22.4	.94	23.9	.91	23.1	.65	16.5	1.35	34.3	.96	24.4
13 (C)	M18X1.0-6H	1.16	29.5	1.00	25.4	1.17	29.7	.345	8.8	1.00	25.4	1.03	26.2	1.02	25.9	.71	18.0	1.43	36.3	1.05	26.7
15 (D)	M22X1.0-6H	1.28	32.5	1.00	25.4	1.28	32.5	.461	11.7	1.13	28.7	1.13	28.7	1.13	28.7	.76	19.3	1.48	37.6	1.11	28.2
17 (E)	M25X1.0-6H	1.41	35.8	1.13	28.7	1.41	35.8	.544	13.8	1.25	31.8	1.31	33.3	1.26	32.0	.80	20.3	1.58	40.1	1.17	29.7
19 (F)	M28X1.0-6H	1.52	38.6	1.19	30.2	1.50	38.1	.614	15.6	1.38	35.1	1.38	35.1	1.31	33.3	.83	21.1	1.70	43.2	1.23	31.2
21 (G)	M31X1.0-6H	1.64	41.7	1.25	31.8	1.56	39.6	.697	17.7	1.50	38.1	1.50	38.1	1.37	34.8	.90	22.9	1.74	44.2	1.29	32.8
23 (H)	M34X1.0-6H	1.77	45.0	1.38	35.1	1.69	42.9	.780	19.8	1.63	41.4	1.63	41.4	1.45	36.8	.94	23.9	1.79	45.5	1.36	34.5
25 (J)	M37X1.0-6H	1.89	48.0	1.50	38.1	1.82	46.2	.850	21.6	1.75	44.5	1.75	44.5	1.52	38.6	.97	24.6	1.83	46.5	1.41	35.8

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series III and IV Connectors

319H*175 Clamp with EMI Braid Sock

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

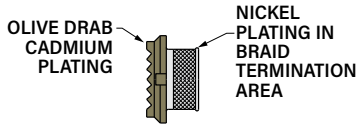


Figure 1
Finish Code NF selective Cad/Ni

Shielded. Self-locking. Full radius saddles. Saddle clamp has shielding braid attached to EMI adapter. Fits MIL-DTL-38999 Series III and IV connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Self-locking stainless steel clinch nuts. Aluminum or SST coupling nut and frame, with SST saddles. Straight, 45° and 90° profiles.

PART NUMBER

	319HS175	M	14	L	R	14

Base P/N

319HS175	Straight
319HA175	90°
319HB175	45°

Material/Finish

M	Alum/Electroless Nickel
MT	Alum/Nickel-PTFE
NF	Alum/Olive Drab Cadmium
ZR	Alum/Black Zinc-Nickel
TZ	Alum/Tin-Zinc
Z1	SST/Passivated

Size Code

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	**09**	**11**	**13**	**15**	**17**	**19**	**21**	**23**	**25**

Braid Type

Omit for standard 34 AWG nickel/copper braid

T	34 AWG Tin/Copper Braid
A	AmberStrand® Nickel/Composite Braid
L	Microfilament ArmorLite® Nickel/SST Braid

Splice ring and Band

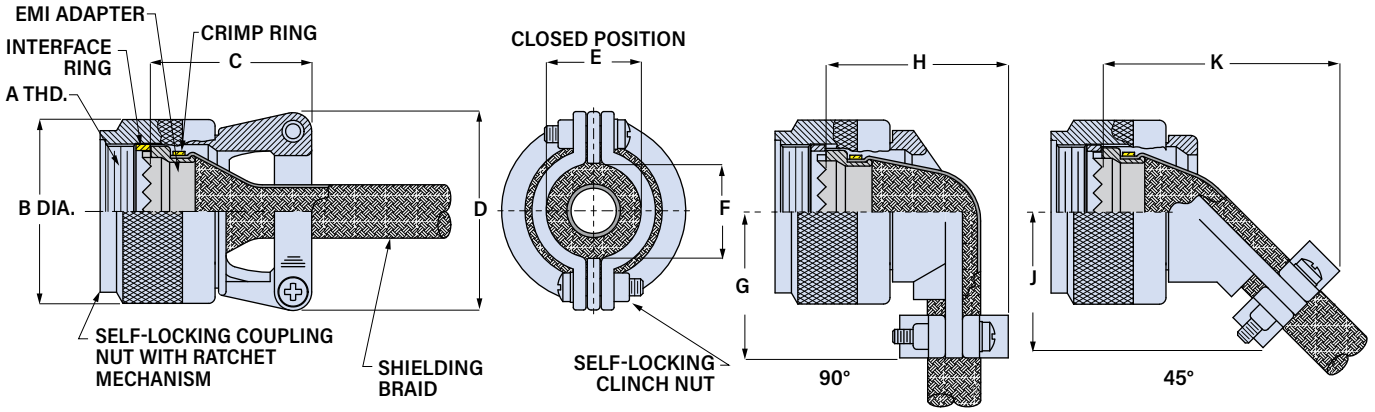
Omit if not required

R	Splice ring and coiled band supplied with clamp

Braid Length

Omit for standard 12 inch length

14	Length in 1 inch increments, 6 inch min. "14" = 14 inches.



Shell Size	A Thread	øB Max in	øB Max mm	C Max in	C Max mm	D Max in	D Max mm	E ± .031(0.8) in	E ± .031(0.8) mm	F Min in	F Min mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm
9 (A)	M12X1.0-6H	.812	20.62	.987	25.07	.922	23.42	.265	6.73	.27	6.9	.97	24.6	1.20	30.5	.964	24.49	1.428	36.27
11 (B)	M15X1.0-6H	.936	23.77	1.095	27.81	.968	24.59	.310	7.87	.31	7.9	1.06	26.9	1.28	32.5	1.050	26.67	1.498	38.05
13 (C)	M18X1.0-6H	1.060	26.92	1.199	30.45	1.189	30.20	.390	9.91	.38	9.7	1.16	29.5	1.40	35.6	1.112	28.24	1.548	39.32
15 (D)	M22X1.0-6H	1.200	30.48	1.208	30.68	1.305	33.15	.506	12.85	.51	13.0	1.34	34.0	1.48	37.6	1.175	29.85	1.648	41.86
17 (E)	M25X1.0-6H	1.318	33.48	1.468	37.29	1.389	35.28	.591	15.01	.59	15.0	1.41	35.8	1.56	39.6	1.230	31.24	1.768	44.91
19 (F)	M28X1.0-6H	1.434	36.42	1.551	39.40	1.458	37.03	.661	16.79	.66	16.8	1.53	38.9	1.68	42.7	1.293	32.84	1.808	45.92
21 (G)	M31X1.0-6H	1.540	39.12	1.676	42.57	1.543	39.19	.744	18.90	.74	18.8	1.66	42.2	1.72	43.7	1.365	34.67	1.858	47.19
23 (H)	M34X1.0-6H	1.671	42.44	1.759	44.68	1.628	41.35	.826	20.98	.83	21.1	1.78	45.2	1.79	45.5	1.417	35.99	1.898	48.21
25 (J)	M37X1.0-6H	1.790	45.47	1.859	47.22	1.697	43.10	.896	22.76	.90	22.9	1.89	48.0	1.88	47.8	1.500	38.10	2.000	50.80

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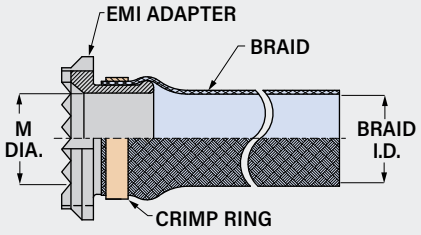
Series 62 Saddle Clamps

for MIL-DTL-38999 Series III and IV Connectors

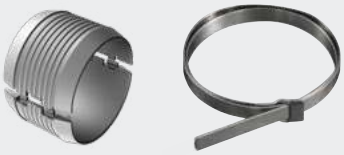
319H*175 Clamp with EMI Braid Sock

EMI ADAPTER AND BRAID DIMENSIONS

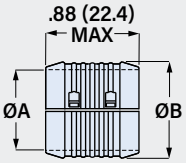


Shell Size	ø M Min. in	ø M Min. mm	Braid I.D. in	Braid I.D. mm
9 (A)	.264	6.71	.375	9.53
11 (B)	.390	9.91	.375	9.53
13 (C)	.504	12.80	.500	12.70
15 (D)	.630	16.00	.500	12.70
17 (E)	.756	19.20	.781	19.84
19 (F)	.843	21.41	.781	19.84
21 (G)	.969	24.61	1.000	25.40
23 (H)	1.091	27.71	1.000	25.40
25 (J)	1.217	30.91	1.250	31.75

SPLICE RING AND PRE-COILED BAND (R OPTION)



Optional split splice ring provides a reliable, low resistance method of splicing braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock and cable braid. Install band around splice ring and braid using Band-Master ATS standard banding tool.



687-207
SPLICE RING

Banding Tool

Shell Size	Splice ring Part Number	øA ± .030 (0.8) in	øA ± .030 (0.8) mm	øB ± .030 (0.8) in	øB ± .030 (0.8) mm
9 (A)	687-207XB04	.25	6.4	.40	10.2
11 (B)	687-207XB06	.38	9.7	.53	13.5
13 (C)	687-207XB08	.50	12.7	.65	16.5
15 (D)	687-207XB10	.63	16.0	.78	19.8
17 (E)	687-207XB12	.75	19.1	.90	22.9
19 (F)	687-207XB14	.88	22.4	1.03	26.2
21 (G)	687-207XB16	1.00	25.4	1.15	29.2
23 (H)	687-207XB18	1.13	28.7	1.28	32.5
25 (J)	687-207XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut: aluminum or stainless steel
Saddle bars: stainless steel/passivated
EMI adapter and interface ring: brass, plated per finish code. For finish code NF, adapter is selectively plated as shown in fig. 1. For finish code Z1, adapter and ring are plated electroless nickel
Crimp ring: copper/tin
Screws, washers: stainless steel/passivated
Clinch nuts: stainless steel/silver
Anti-decoupling spring: thermoplastic (aluminum versions) or SST (SST versions)
Coupling nut retainer wire: monel
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N
Code T: 34 AWG tin-coated copper, type AA59569R34T
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® microfilament nickel-coated 316L stainless steel

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series III and IV Connectors

319H*201 Saddle Clamp with EMI Braid Sock, Composite

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

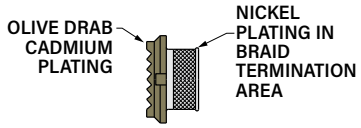


Figure 1
Finish Code NF selective Cad/Ni

Shielded. Self-locking. Composite. Saddle clamp has brass EMI adapter attached to 12 inches (30 cm) of shielding braid. Fits MIL-DTL-38999 Series III and IV connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Captive self-locking clinch nuts, full radius saddles. Available with **ArmorLite®** lightweight microfilament SST braid. Straight, 45° and 90° profiles.

PART NUMBER

	319HS201	XN	17	L	R

Base P/N
- **319HS201** Straight
- **319HA201** 90°
- **319HB201** 45°

EMI Adapter Finish
- **XB** Electroless Nickel
- **XMT** Nickel/PTFE
- **XN** Olive Drab Cadmium, selective (fig.1)

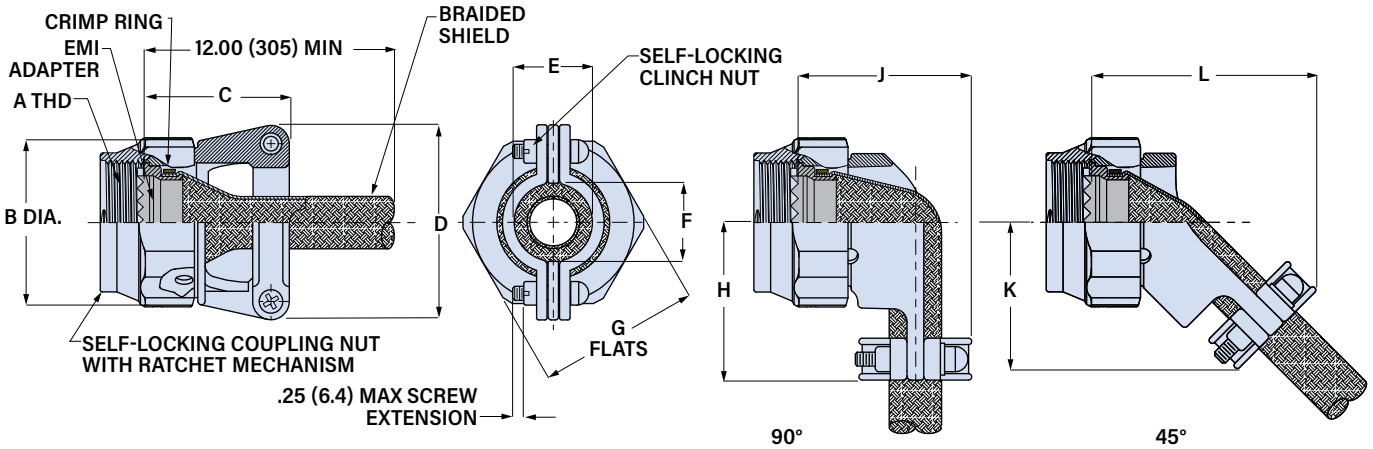
Size Code

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Braid Type
Omit for standard 34 AWG nickel/copper braid
- **T** 34 AWG Tin/Copper Braid
- **A** AmberStrand® Nickel/Composite Braid
- **L** Microfilament ArmorLite® Nickel/SST Braid

Splice ring and Band
Omit if not required
- **R** Splice ring and coiled band supplied with clamp

Braid Length
Omit for standard 12 inch length
- **14** Length in 1 inch increments, 6 inch min. "14" = 14 inches.



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	C Max in	C Max mm	D Max in	D Max mm	E ± .031(0.79) in	E ± .031(0.79) mm	F Min in	F Min mm	G Flats (ref) in	G Flats (ref) mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm	L Max in	L Max mm
9 (A)	M12X1.0-6H	.86	21.8	.939	22.9	.88	22.4	.265	6.73	.22	5.6	.75	19.1	.91	23.1	1.128	28.7	.901	22.9	1.388	35.3
11 (B)	M15X1.0-6H	.98	24.9	1.059	26.9	.94	23.9	.310	7.87	.27	6.9	.88	22.4	.97	24.6	1.168	29.7	.964	24.5	1.428	36.3
13 (C)	M18X1.0-6H	1.16	29.5	1.199	30.5	1.17	29.7	.390	9.91	.35	8.9	1.00	25.4	1.06	26.9	1.248	31.7	1.050	26.7	1.498	38.0
15 (D)	M22X1.0-6H	1.28	32.5	1.199	30.5	1.28	32.5	.506	12.85	.47	11.9	1.13	28.7	1.16	29.5	1.368	34.7	1.112	28.2	1.548	39.3
17 (E)	M25X1.0-6H	1.41	35.8	1.329	33.8	1.41	35.8	.591	15.01	.55	14.0	1.25	31.8	1.34	34.0	1.448	36.8	1.175	29.8	1.648	41.9
19 (F)	M28X1.0-6H	1.52	38.6	1.509	38.3	1.50	38.1	.661	16.79	.62	15.7	1.38	35.1	1.41	35.8	1.528	38.8	1.230	31.2	1.768	44.9
21 (G)	M31X1.0-6H	1.64	41.7	1.609	40.9	1.56	39.6	.744	18.90	.70	17.8	1.50	38.1	1.53	38.9	1.648	41.9	1.293	32.8	1.808	45.9
23 (H)	M34X1.0-6H	1.77	45.0	1.759	44.7	1.69	42.9	.826	20.98	.78	19.8	1.63	41.4	1.66	42.2	1.688	42.9	1.365	34.7	1.858	47.2
25 (J)	M37X1.0-6H	1.89	48.0	1.859	47.2	1.82	46.2	.896	22.76	.85	21.6	1.75	44.5	1.78	45.2	1.758	44.7	1.417	36.0	1.898	48.2

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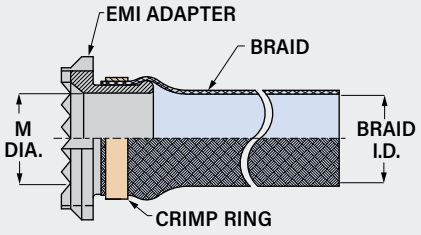
Series 62 Saddle Clamps

for MIL-DTL-38999 Series III and IV Connectors

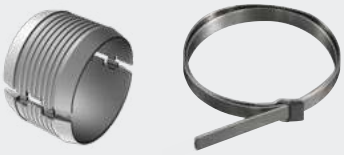
319H*201 Saddle Clamp with EMI Braid Sock, Composite

EMI ADAPTER AND BRAID DIMENSIONS

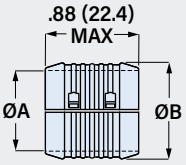


Shell Size	ø M Min. in	ø M Min. mm	Braid I.D. in	Braid I.D. mm
9 (A)	.264	6.71	.375	9.53
11 (B)	.390	9.91	.375	9.53
13 (C)	.504	12.80	.500	12.70
15 (D)	.630	16.00	.500	12.70
17 (E)	.756	19.20	.781	19.84
19 (F)	.843	21.41	.781	19.84
21 (G)	.969	24.61	1.000	25.40
23 (H)	1.091	27.71	1.000	25.40
25 (J)	1.217	30.91	1.250	31.75

SPLICE RING AND PRE-COILED BAND (R OPTION)



Optional split splice ring provides a reliable, low resistance method of splicing braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock and cable braid. Install band around splice ring and braid using Band-Master ATS® standard banding tool.



687-207
SPLICE RING

Banding Tool

Shell Size	Splice ring Part Number	øA ±.030 (0.8) in	øA ±.030 (0.8) mm	øB ±.030 (0.8) in	øB ±.030 (0.8) mm
9 (A)	687-207XB04	.25	6.4	.40	10.2
11 (B)	687-207XB06	.38	9.7	.53	13.5
13 (C)	687-207XB08	.50	12.7	.65	16.5
15 (D)	687-207XB10	.63	16.0	.78	19.8
17 (E)	687-207XB12	.75	19.1	.90	22.9
19 (F)	687-207XB14	.88	22.4	1.03	26.2
21 (G)	687-207XB16	1.00	25.4	1.15	29.2
23 (H)	687-207XB18	1.13	28.7	1.28	32.5
25 (J)	687-207XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut, saddles: polyetherimide (PEI)/no finish (black color)
EMI adapter: brass, plated per finish code. For finish code XN, selectively plated as shown in fig. 1.
Crimp ring: copper/tin
Screws, washers, clinch nuts: stainless steel/passivated
Clinch nuts: stainless steel/silver
Anti-decoupling spring: high grade engineering thermoplastic
Splice ring: PEI, black color
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N
Code T: 34 AWG tin-coated copper, type AA59569R34T
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® microfilament nickel-coated 316L stainless steel

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Series 62 Saddle Clamps

for MIL-DTL-38999 Series III and IV Connectors

620HS090 Saddle Clamp, Expanded Clearance for #8 Sealing Boots

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Self-locking. Full radius saddles. Extra clearance for #8 sealing boots. Extended frame saddle clamp fits MIL-DTL-38999 Series III and IV connectors. Clamp has enlarged inside diameter and longer frame to provide clearance for size 8 coax/twinax/quadrax/octaxial contacts with sealing boots. Extra clearance helps prevent contact splay and damage. Full radius saddle bars have self-locking SST clinch nuts. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration.

MATERIAL/FINISH

Body, saddles, coupling nut: aluminum or SST, finish per PN build
Screws, washers, clinch nuts: stainless steel
Anti-decoupling spring: high temperature thermoplastic (aluminum clamps) or SST (SST clamps)

PART NUMBER

	620HS090	ME	19

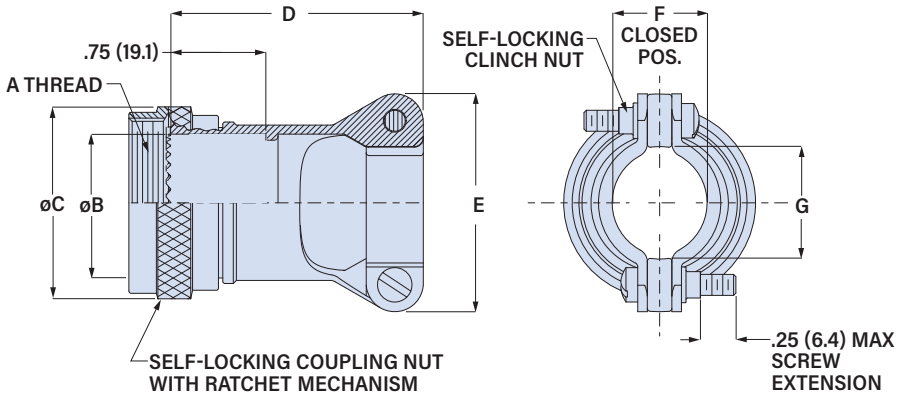
Base P/N 620HS090

Material/Finish

ME	Alum/ Electroless Nickel
MT	Alum/ Nickel-PTFE
NF	Alum/ Olive Drab Cadmium
ZR	Alum/ Black Zinc-Nickel
TZ	Alum/ Tin-Zinc
Z1	SST/ Passivated

Shell Size and Arrangement

Shell Size /Arrang.	Shell Size	Shell Size /Arrang.	Shell Size
09	9 (A)	19	19 (F)
11	11 (B)	21	21 (G)
13	13 (C)	23	23 (H)
15	15 (D)	25	25 (J)
17	17 (E)		



Shell Size	A Thread	øB Min in	øB Min mm	øC Max in	øC Max mm	D ± .060 (1.5) in	D ± .060 (1.5) mm	E Max in	E Max mm	F ± .031 (0.8) in	F ± .031 (0.8) mm	G Min in	G Min mm
9 (A)	M12X1.0-6H	.372	9.4	.858	21.8	1.25	31.8	.98	24.9	.264	6.7	.22	5.6
11 (B)	M15X1.0-6H	.470	11.9	.984	25.0	1.31	33.3	1.05	26.7	.264	6.7	.27	6.9
13 (C)	M18X1.0-6H	.584	14.8	1.157	29.4	1.38	35.1	1.20	30.5	.344	8.7	.35	8.9
15 (D)	M22X1.0-6H	.709	18.0	1.279	32.5	1.44	36.6	1.30	33.0	.460	11.7	.47	11.9
17 (E)	M25X1.0-6H	.834	21.2	1.406	35.7	1.50	38.1	1.44	36.6	.545	13.8	.55	14.0
19 (F)	M28X1.0-6H	.940	23.9	1.516	38.5	1.69	42.9	1.56	39.6	.615	15.6	.62	15.7
21 (G)	M31X1.0-6H	1.065	27.1	1.642	41.7	1.75	44.5	1.69	42.9	.698	17.7	.70	17.8
23 (H)	M34X1.0-6H	1.190	30.2	1.768	44.9	1.81	46.0	1.77	45.0	.780	19.8	.78	19.8
25 (J)	M37X1.0-6H	1.320	33.5	1.869	47.5	1.88	47.8	1.89	48.0	.850	21.6	.85	21.6

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Series 62 Saddle Clamps

for Series 80 Mighty Mouse Connectors

620MS064 Saddle Clamp, General Purpose, Direct Coupling

Full radius saddles. Lightweight. Low profile. Direct coupling. Saddle clamp fits Series 80 Mighty Mouse connectors. Aluminum or stainless steel.

Adapter Code M

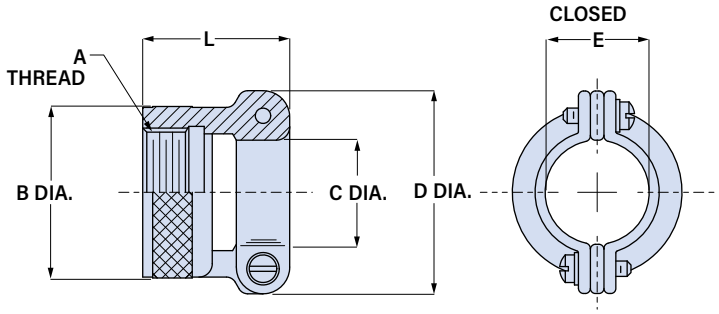
This accessory fits Series 80 Mighty Mouse Connectors

MATERIAL/FINISH

Body, saddles: aluminum or SST/ finish per PN Build
Screws, washers: stainless steel/passivated

PART NUMBER

	620MS064	MT	09
Base P/N	**620MS064** Straight		
Material/Finish	**C** Alum/Black Anodize **M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated		
Size Code	**05 06 07 08 09 10 11 12 13 14 15 16 17** *See table below for size code*		



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	C Dia. in	C Dia. mm	D Dia. in	D Dia. mm	E Closed in	E Closed mm	L Max. in	L Max. mm
05	5	N/A	0.250-32	.350	8.9	.119	3.0	.496	12.6	.11	2.8	.625	15.9
06	6	N/A	0.3125-32	.415	10.5	.182	4.6	.582	14.8	.17	4.3	.625	15.9
11	N/A	8	0.3750-32	.465	11.8	.182	4.6	.582	14.8	.17	4.3	.625	15.9
07	7	9	0.4375-28	.530	13.5	.244	6.2	.656	16.7	.23	5.8	.688	17.5
08	8	10	0.500-28	.595	15.1	.307	7.8	.726	18.4	.30	7.6	.688	17.5
09	9	11	0.5625-24	.650	16.5	.307	7.8	.726	18.4	.30	7.6	.750	19.1
10	10	12	0.625-24	.715	18.2	.369	9.4	.885	22.5	.36	9.1	.875	22.2
12	11, 12, 13	13	0.6875-24	.785	19.9	.432	11.0	.952	24.2	.42	10.7	.875	22.2
13	N/A	15	0.750-20	.830	21.1	.432	11.0	.952	24.2	.42	10.7	.875	22.2
14	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9	.494	12.6	1.018	25.9	.48	12.2	1.000	25.4
15	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9	.619	15.7	1.148	29.2	.61	15.5	1.000	25.4
16	19	21	1.0625-18	1.155	29.3	.744	18.9	1.273	32.3	.73	18.5	1.000	25.4
17	21	23	1.1875-18	1.280	32.5	.869	22.1	1.400	35.6	.86	21.8	1.125	28.6

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Series 62 Saddle Clamps

for Series 80 Mighty Mouse Connectors

620M*065 Saddle Clamp, General Purpose, Spin Coupling

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

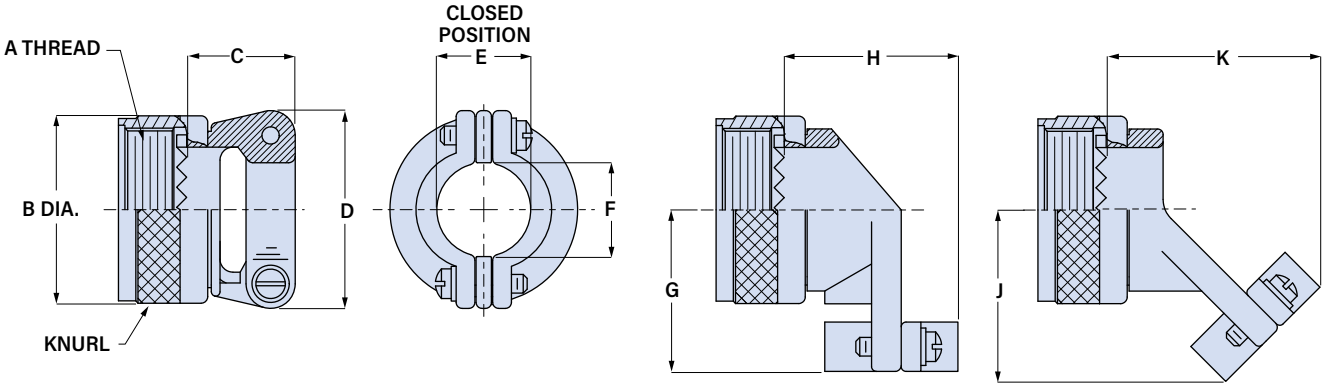
Full radius saddles. Straight, 45° or 90°. Spin coupling. Saddle clamp fits Series 80 Mighty Mouse connectors. Aluminum or stainless steel. Full radius saddles should be fully closed onto frame. Apply silicone tape or resilient bushing to wire bundle to build up diameter to fit the saddles.

MATERIAL/FINISH

Body, saddles, coupling nut: aluminum or SST/ finish per PN Build
Screws, washers: stainless steel/passivated

PART NUMBER

	620MS065	M	13
Base P/N	**620MS065** Straight **620MA065** 90° **620MB065** 45°		
Material/Finish	**C** Alum/Black Anodize **M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated		
Size Code	**05 06 07 08 09 10 11 12 13 14 16 17** *See table below for size code*		



Size Code	Shell Size: Series 800, 801, 803, 804	Shell Size: Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D in	D mm	E Closed in	E Closed mm	F in	F mm	G in	G mm	H in	H mm	J in	J mm	K in	K mm
05	5	N/A	0.250-32	.350	8.9	.688	17.5	.496	12.6	.11	2.8	.119	3.1	.551	14.0	.613	15.6	.511	13.0	.806	20.5
06	6	N/A	0.3125-32	.415	10.5	.688	17.5	.582	14.8	.17	4.3	.182	4.6	.582	14.8	.675	17.2	.542	13.8	.850	21.6
11	N/A	8	0.3750-32	.465	11.8	.688	17.5	.582	14.8	.17	4.3	.182	4.6	.602	15.3	.675	17.2	.562	14.3	.850	21.6
07	7	9	0.4375-28	.530	13.5	.688	17.5	.656	16.7	.23	5.8	.244	6.2	.632	16.1	.675	17.2	.592	15.0	.850	21.6
08	8	10	0.500-28	.595	15.1	.688	17.5	.726	18.4	.30	7.6	.307	7.8	.662	16.8	.743	18.9	.622	15.8	.887	22.5
09	9	11	0.5625-24	.650	16.5	.750	19.1	.726	18.4	.30	7.6	.307	7.8	.691	17.6	.743	18.9	.651	16.5	.887	22.5
10	10	12	0.625-24	.715	18.2	.750	19.1	.885	22.5	.36	9.1	.369	9.4	.846	21.5	.805	20.5	.770	19.6	1.018	25.9
12	11, 12, 13	13	0.6875-24	.785	19.9	.750	19.1	.952	24.2	.42	10.7	.432	11.0	.881	22.4	.868	22.1	.805	20.5	1.061	27.0
13	N/A	15	0.750-20	.830	21.1	.750	19.1	.952	24.2	.42	10.7	.432	11.0	.921	23.4	.868	22.1	.855	21.7	1.091	27.7
14	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9	.750	19.1	1.018	25.9	.48	12.2	.494	12.6	.998	25.4	.993	25.2	.922	23.4	1.146	29.1
15	14, 15, 16, 17	18, 19	0.9375-20	1.020	25.9	.750	19.1	1.148	29.2	.61	15.5	.619	15.7	1.060	26.9	1.055	26.8	.984	25.0	1.208	30.7
16	19	21	1.0625-18	1.155	29.3	.750	19.1	1.273	32.3	.73	18.5	.744	18.9	1.090	27.7	1.243	31.6	.950	24.1	1.325	33.7
17	21	23	1.1875-18	1.280	32.5	.750	19.1	1.400	35.6	.86	21.8	.869	22.1	1.151	29.2	1.312	33.3	1.042	26.5	1.495	38.0

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Series 62 Saddle Clamps

for Series 80 Mighty Mouse Connectors

620M*077 Saddle Clamp, Self-Locking

Self-Locking

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Self-locking. Full radius saddles. Open frame saddle clamp fits Series 80 Mighty Mouse connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Die cast saddle bars have self-locking stainless steel clinch nuts. Full radius saddles are intended to be fully closed (bottomed onto frame). Aluminum or stainless steel. Straight, 45° and 90° profiles.

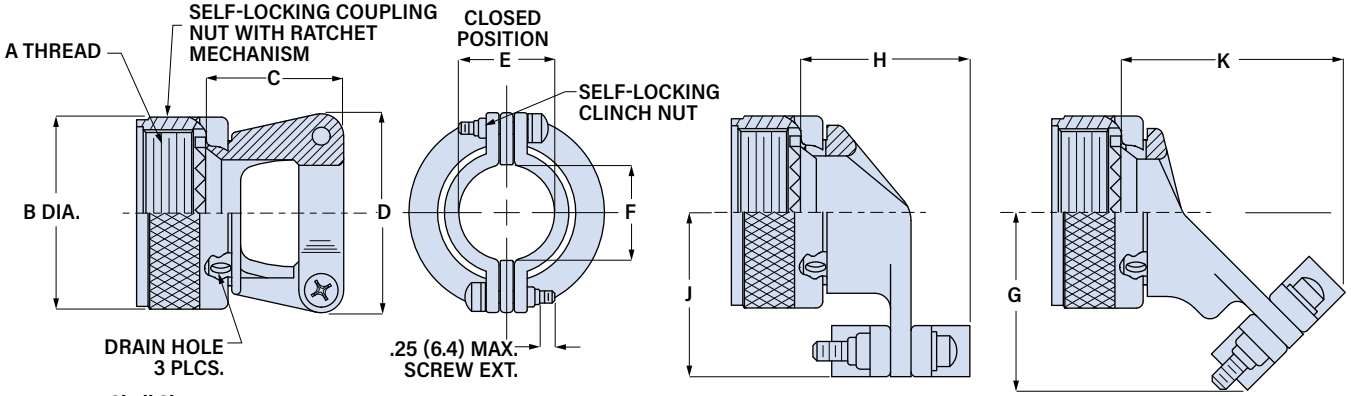
PART NUMBER

620MA077 | M | 10

Base P/N	**620MS077** Straight **620MA077** 90° **620MB077** 45°
Material/Finish	**C** Alum/Black Anodize **M** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc **Z1** SST/Passivated
Size Code	**06 07 08 09 10 12 14** *See table below for size code*

MATERIAL/FINISH

Body, saddles. coupling nut: aluminum or SST/ finish per PN Build
Screws, washers: stainless steel/passivated
Clinch nut: stainless steel/ silver
Anti-decoupling spring: thermoplastic (aluminum body) or SST (SST body)



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D in	D mm	E ± .031(0.79) in	E ± .031(0.79) mm	F Min in	F Min mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Max in	K Max mm
06	6	N/A	0.3125-32	.64	16.3	.83	21.1	.98	24.9	.203	5.2	.22	5.6	.870	22.1	1.030	26.2	.88	22.4	1.29	32.8
07	7	9	0.4375-28	.76	19.3	.84	21.3	.98	24.9	.219	5.6	.22	5.6	.901	22.9	1.060	26.9	.91	23.1	1.32	33.5
08	8	10	0.500-28	.90	22.9	.96	24.4	1.05	26.7	.265	6.7	.27	6.9	.964	24.5	1.100	27.9	.97	24.6	1.36	34.5
09	9	11	0.5625-24	.90	22.9	.96	24.4	1.05	26.7	.265	6.7	.27	6.9	.964	24.5	1.100	27.9	.97	24.6	1.36	34.5
10	10	12	0.625-24	1.01	25.7	.96	24.4	1.05	26.7	.344	8.7	.27	6.9	.964	24.5	1.100	27.9	.97	24.6	1.36	34.5
12	11, 12, 13	13	0.6875-24	1.01	25.7	1.10	27.9	1.20	30.5	.344	8.7	.35	8.9	1.050	26.7	1.180	30.0	1.06	26.9	1.43	36.3
14	14, 15, 16, 17	18, 19	0.9375-20	1.30	33.0	1.23	31.2	1.44	36.6	.545	13.8	.55	14.0	1.175	29.8	1.380	35.1	1.34	34.0	1.58	40.1

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Series 62 Saddle Clamps

for Series 80 Mighty Mouse Connectors

620M*061 Saddle Clamp, Composite

Self-Locking

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

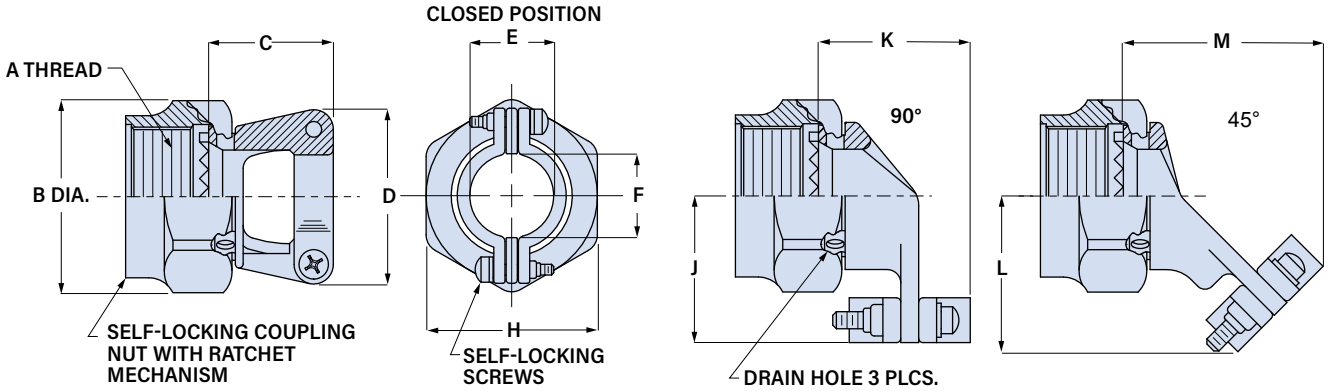
Self-locking. Full radius saddles. Lightweight, corrosion-proof composite saddle clamp fits Glenair Series 80 Mighty Mouse connectors. For use with open bundle wiring harnesses and closed bundle (jacketed) harnesses. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Self-locking screws. Full radius saddles are intended to be bottomed onto frame. Straight, 45° and 90° profiles.

MATERIAL/FINISH

Coupling nut, saddles: polyetherimide/ unplated
Body: polyetherimide/ plated per PN
Screws, washers: stainless steel
Clinch nuts: stainless steel/ silver
Anti-decoupling spring: thermoplastic

PART NUMBER

	620MS061	XM	14
Base P/N	**620MS061** Straight **620MB061** 45° **620MA061** 90°		
Clamp Body Finish		**XM** Electroless Nickel **XW** Olive Drab Cadmium **XO** Unplated, Black Color **XZN** Black Zinc-Nickel	
Size Code	**06 07 08 09 10 12 14** *See table below for size code*		



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E ±.031(0.79) in	E ±.031(0.79) mm	F Min. in	F Min. mm	H Flats (ref.) in	H Flats (ref.) mm	J Max. in	J Max. mm	K Max. in	K Max. mm	L Max. in	L Max. mm	M Max. in	M Max. mm
06	6	N/A	0.3125-32	.75	19.1	.83	21.1	.98	24.9	.203	5.16	.22	5.6	.625	15.88	.88	22.4	1.03	26.2	.87	22.1	1.29	32.8
07	7	9	0.4375-28	.86	21.8	.84	21.3	.98	24.9	.265	6.73	.22	5.6	.750	19.05	.91	23.1	1.06	26.9	.91	23.1	1.32	33.5
08	8	10	0.500-28	.98	24.9	.96	24.4	1.05	26.7	.310	7.87	.27	6.9	.875	22.23	.97	24.6	1.10	27.9	.97	24.6	1.36	34.5
09	9	11	0.5625-24	.98	24.9	.96	24.4	1.05	26.7	.310	7.87	.27	6.9	.875	22.23	.97	24.6	1.10	27.9	.97	24.6	1.36	34.5
10	10	12	0.625-24	1.09	27.7	1.06	26.9	1.12	28.4	.355	9.02	.32	8.1	.938	23.83	1.03	26.2	1.14	29.0	1.03	26.2	1.39	35.3
12	11, 12, 13	13	0.6875-24	1.16	29.5	1.10	27.9	1.20	30.5	.390	9.91	.35	8.9	1.000	25.40	1.06	26.9	1.18	30.0	1.05	26.7	1.43	36.3
14	14, 15, 16, 17	18, 19	0.9375-20	1.41	35.8	1.23	31.2	1.44	36.6	.591	15.01	.55	14.0	1.250	31.75	1.34	34.0	1.38	35.1	1.18	30.0	1.58	40.1

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Series 62 Saddle Clamps

for Series 80 Mighty Mouse Connectors

319M*199 Saddle Clamp with EMI Braid Sock

Self-Locking

Adapter Code M

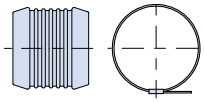
This accessory fits Series 80 Mighty Mouse Connectors

MATERIAL/FINISH

Body, coupling nut, saddle bars: aluminum or SST/ plated per PN
EMI adapter and interface ring: brass/ electroless nickel (Z1, M) or Ni-PTFE (MT)
Crimp ring: copper/tin
Screws, washers: stainless steel/passivated
Clinch nuts: stainless steel/silver
Anti-decoupling spring: thermoplastic (aluminum versions) or SST (SST versions)
Coupling nut retainer wire: monel
Band strap: stainless steel
Braid: (standard) 34 AWG nickel-coated copper,
Code T: 34 AWG tin-coated copper, type
Code A: AmberStrand® ultralightweight nickel-coated polymer
Code L: ArmorLite® microfilament nickel-coated 316L stainless steel

SPLICE RING AND BAND

Splice ring
687-207
Black
Composite



SST Band
601-041

Shielded. Self-locking. Full radius saddles. Saddle clamp has shielding braid attached to EMI adapter. Fits Series 80 Mighty Mouse. Brass EMI adapter and crimp ring. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Self-locking clinch nuts. Aluminum or SST. Straight, 45° and 90° profiles.

PART NUMBER

	319MS199	M	14	L	R	14

Base P/N
319MS199 Straight
319MA199 90°
319MB199 45°

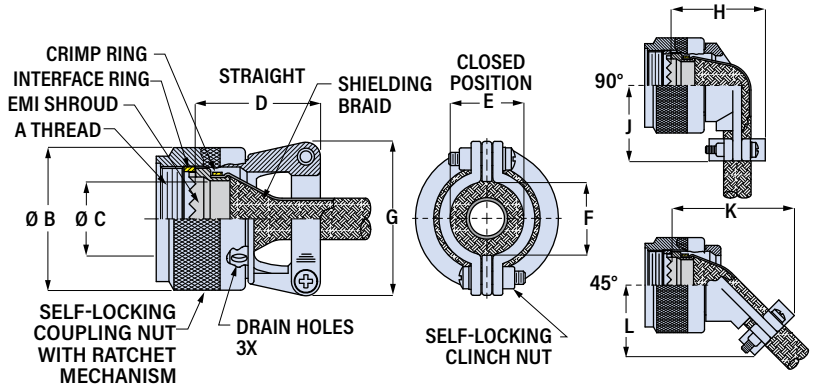
Material/Finish
M Alum/Electroless Nickel
MT Alum/Nickel-PTFE
Z1 SST/Passivated

Size Code
05 06 07 08 09 10 11 12 13 14 16 17
(See Table)

Braid Type
Omit for standard 34 AWG nickel/copper braid
T 34 AWG Tin/Copper Braid
A AmberStrand® Nickel/Composite Braid
L Microfilament ArmorLite® Nickel/SST Braid

Splice Ring and Band
Omit if not required
R Splice ring and coiled band supplied with clamp

Braid Length
Omit for standard 12 inch length
14 Length in 1 inch increments, 6 inch min. "14" = 14 inches.



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Series 62 Saddle Clamps

for Series 80 Mighty Mouse Connectors

620MS090 Saddle Clamp, Expanded Clearance for #8 Sealing Boots

Self-Locking

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

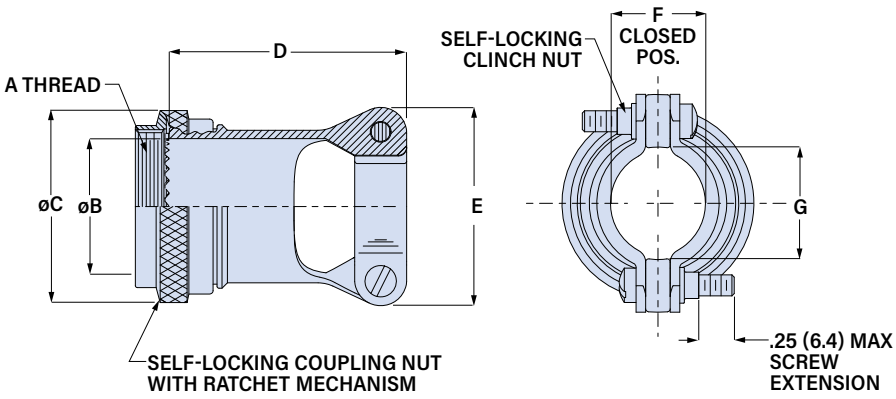
Self-locking. Full radius saddles. Extra clearance for #8 sealing boots. Extended frame saddle clamp fits Series 80 Mighty Mouse connectors. Clamp has enlarged inside diameter and longer frame to provide clearance for size 8 coax/twinax/quadrax/octaxial contacts with sealing boots. Extra clearance helps prevent contact splay and damage. Full radius saddle bars have self-locking SST clinch nuts. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration.

PART NUMBER

	620MS090	ME	14
Base P/N	620MS090		
Material/Finish	ME Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc Z1 SST/ Passivated		
Size Code	07 08 09 10 11 12 13 14 16 17 *(See Table)*		

MATERIAL/FINISH

Body, saddles, coupling nut: aluminum or SST, finish per PN build
Screws, washers, clinch nuts: stainless steel
Anti-decoupling spring: high temperature thermoplastic (aluminum clamps) or SST (SST clamps)



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB ± .005 (0.1) in	øB ± .005 (0.1) mm	øC Max. in	øC Max. mm	D ± .060 (1.5) in	D ± .060 (1.5) mm	E Max. in	E Max. mm	F ± .031 (0.8) in	F ± .031 (0.8) mm	G Min in	G Min mm
11	N/A	8	0.3750-32	.274	7.0	.86	21.8	1.25	31.8	.98	24.9	.219	5.6	.22	5.6
07	7	9	0.4375-28	.324	8.2	.97	24.6	1.38	35.1	1.05	26.7	.264	6.7	.27	6.9
08	8	10	0.500-28	.386	9.8	.97	24.6	1.31	33.3	1.05	26.7	.264	6.7	.27	6.9
09	9	11	0.5625-24	.444	11.3	1.11	28.2	1.44	36.6	1.20	30.5	.344	8.7	.35	8.9
10	10	12	0.625-24	.513	13.0	1.11	28.2	1.38	35.1	1.20	30.5	.344	8.7	.35	8.9
12	12, 13	N/A	0.6875-24	.596	15.1	1.21	30.7	1.50	38.1	1.30	33.0	.460	11.7	.47	11.9
13	N/A	15	0.750-20	.625	15.9	1.21	30.7	1.44	36.6	1.30	33.0	.460	11.7	.47	11.9
14	14, 15, 16, 17	18, 19	0.9375-20	.812	20.6	1.46	37.1	1.69	42.9	1.56	39.6	.615	15.6	.62	15.7
16	19	21	1.0625-18	.910	23.1	1.60	40.6	1.75	44.5	1.69	42.9	.698	17.7	.70	17.8
17	21	23	1.1875-18	1.055	26.8	1.70	43.2	1.81	46.0	1.77	45.0	.780	19.8	.78	19.8

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Series 62 Saddle Clamps

for Series 806 Mil/Aero Connectors

620V*080 Saddle Clamp, Self-Locking

Self-Locking

Self-locking. Full radius saddles. Open frame saddle clamp fits Series 806 MilAero connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Die cast saddle bars have self-locking stainless steel clinch nuts. Full radius saddles are intended to be fully closed (bottomed onto frame). Aluminum or stainless steel.

Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

MATERIAL/FINISH

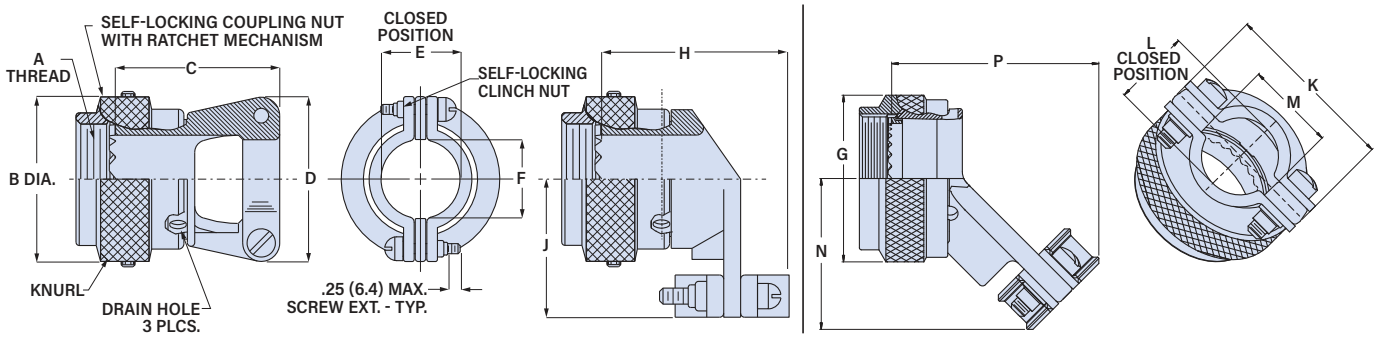
Body, saddles. coupling nut: aluminum / finish per PN
Clinch nuts: SST/ silver
Screws, washers: stainless steel/passivated
Anti-decoupling spring: thermoplastic

PART NUMBER

620VS080 TZ 22

Base P/N	**620VS080** Straight **620VB080** 45° **620VA080** 90°
Material/Finish	**C** Alum/Black Anodize **ME** Alum/Electroless Nickel **MT** Alum/Nickel-PTFE **NF** Alum/Olive Drab Cadmium **ZR** Alum/Black Zinc-Nickel **TZ** Alum/Tin-Zinc
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**

90° 45°



Shell Size	A Thread ISO Metric	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E ±.031 (0.79) in	E ±.031 (0.79) mm	F Min. in	F Min. mm	H Max. in	H Max. mm	J Max. in	J Max. mm	ØG Max. in	ØG Max. mm	K Max. in	K Max. mm	L± .031 (0.79) in	L± .031 (0.79) mm	M Min. in	M Min. mm	N Max. in	N Max. mm	P Max. in	P Max. mm
08	M10 x 1.0-6H	.64	16.26	.780	19.81	.83	21.1	.269	6.8	.27	6.9	1.040	26.4	.870	22.1	.79	20.07	.89	22.61	.265	6.73	.27	6.86	.96	24.38	1.43	36.32
09	M12 x 1.0-6H	.74	18.80	.840	21.3	.91	23.1	.346	8.8	.35	8.9	1.060	26.9	.910	23.1	.79	20.07	.89	22.61	.265	6.73	.27	6.86	.96	24.38	1.43	36.32
10	M14 x 1.0-6H	.80	20.32	.900	22.9	.97	24.6	.410	10.4	.42	10.7	1.080	27.4	.950	24.1	.91	23.11	1.00	25.40	.310	7.87	.31	7.87	1.05	26.67	1.50	38.10
11	M15 x 1.0-6H	.84	21.34	.960	24.4	1.08	27.4	.430	10.9	.44	11.2	1.100	27.9	.970	24.6	.91	23.11	1.00	25.40	.310	7.87	.31	7.87	1.05	26.67	1.50	38.10
12	M17 x 1.0-6H	.92	23.37	1.060	26.9	1.14	29.0	.488	12.4	.49	12.5	1.150	29.2	1.030	26.2	1.02	25.91	1.27	32.26	.390	9.91	.39	9.91	1.11	28.19	1.55	39.37
14	M19 x 1.0-6H	1.02	25.91	1.100	27.9	1.20	30.5	.530	13.5	.54	13.7	1.180	30.0	1.060	26.9	1.02	25.91	1.27	32.26	.390	9.91	.39	9.91	1.11	28.19	1.55	39.37
16	M22 x 1.0-6H	1.16	29.46	1.100	27.9	1.29	32.8	.620	15.8	.63	16.0	1.300	33.0	1.160	29.5	1.18	29.97	1.38	35.05	.506	12.85	.51	12.95	1.18	29.97	1.65	41.91
18	M25 x 1.0-6H	1.26	32.00	1.230	31.2	1.41	35.8	.700	17.8	.71	18.0	1.380	35.1	1.340	34.0	1.31	33.27	1.48	37.59	.591	15.01	.59	14.99	1.23	31.24	1.77	44.96
20	M28 x 1.0-6H	1.40	35.56	1.410	35.8	1.59	40.4	.778	19.8	.78	19.8	1.460	37.1	1.410	35.8	1.42	36.07	1.58	40.13	.661	16.79	.66	16.76	1.29	32.77	1.81	45.97
22	M31 x 1.0-6H	1.52	38.61	1.510	38.4	1.66	42.2	.850	21.6	.86	21.8	1.580	40.1	1.530	38.9	1.54	39.12	1.68	42.67	.744	18.90	.74	18.80	1.37	34.80	1.86	47.24
24	M34 x 1.0-6H	1.64	41.66	1.660	42.2	1.77	45.0	.961	24.4	.97	24.6	1.620	41.1	1.660	42.2	1.65	41.91	1.80	45.72	.826	20.98	.83	21.08	1.42	36.07	1.90	48.26

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Series 62 Saddle Clamps

for Series 806 Mil/Aero Connectors

620V*081 Saddle Clamp, Composite

Self-Locking

Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

Self-locking. Full radius saddles. Lightweight, corrosion-proof composite saddle clamp fits Glenair Series 806 MilAero connectors. For use with open bundle wiring harnesses and closed bundle (jacketed) harnesses. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Telescoping screws. Full radius saddles are intended to be bottomed onto frame. High temperature thermoplastic. Straight, 45° and 90° profiles.

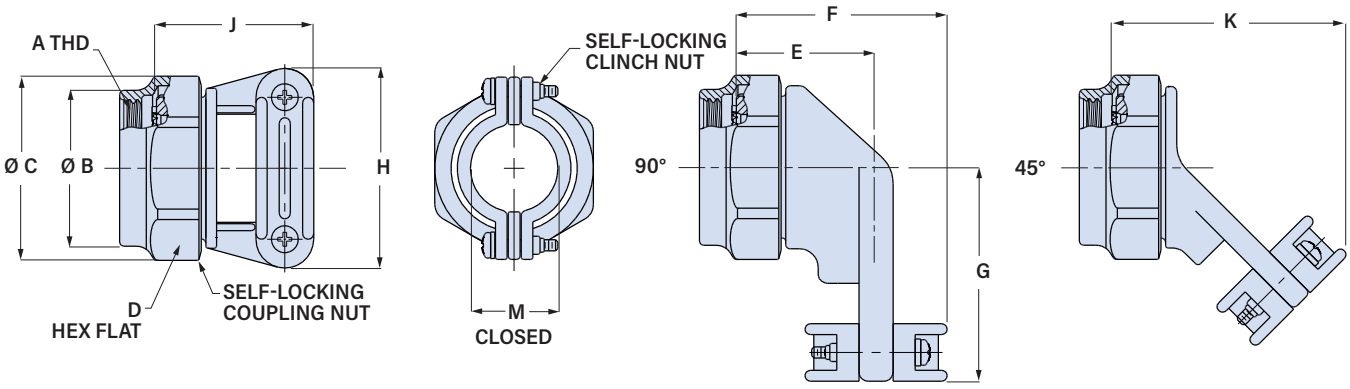
PART NUMBER

	620VS081	XM	14

Base P/N	620VS081	Straight
	620VB081	45°
	620VA081	90°
Clamp Body Finish	XM	Electroless Nickel
	XW	Olive Drab Cadmium
	XB	Unplated, Black Composite
	XMT	Nickel-PTFE
	XZN	Black Zinc-Nickel
Shell Size	08 09 10 11 12 14 16 18 20 22 24	

MATERIAL/FINISH

Coupling nut, saddles: polyetherimide/ unplated
Body: polyetherimide/ plated per PN
Screws, washers: stainless steel
Clinch nuts: stainless steel/ silver
Anti-decoupling spring: thermoplastic



Shell Size	A ISO Metric Thread	øB Max. in	øB Max. mm	øC Max. in	øC Max. mm	D Hex in	D Hex mm	E Ref. in	E Ref. mm	F ± .06 (1.5) in	F ± .06 (1.5) mm	G ± .06 (1.5) in	G ± .06 (1.5) mm	H ± .06 (1.5) in	H ± .06 (1.5) mm	J ± .06 (1.5) in	J ± .06 (1.5) mm	K Max. in	K Max. mm	M ± .03 (0.8) in	M ± .03 (0.8) mm
08	M10 x 1.0-6H	.65	16.5	.86	21.8	.75	19.1	.63	16.0	.86	21.8	.88	22.4	.88	22.4	.80	20.3	1.32	33.5	.218	5.5
09	M12 x 1.0-6H	.65	16.5	.86	21.8	.75	19.1	.63	16.0	.86	21.8	.88	22.4	.88	22.4	.80	20.3	1.32	33.5	.218	5.5
10	M14 x 1.0-6H	.77	19.6	.98	24.9	.88	22.2	.65	16.5	.91	23.1	.94	23.9	.94	23.9	.88	22.4	1.35	34.3	.264	6.7
11	M15 x 1.0-6H	.77	19.6	.98	24.9	.88	22.2	.65	16.5	.91	23.1	.94	23.9	.94	23.9	.88	22.4	1.35	34.3	.264	6.7
12	M17 x 1.0-6H	.89	22.6	1.16	29.5	1.00	25.4	.71	18.0	1.02	25.9	1.03	26.2	1.17	29.7	1.00	25.4	1.43	36.3	.345	8.8
14	M19 x 1.0-6H	1.03	26.2	1.28	32.5	1.13	28.6	.76	19.3	1.13	28.7	1.13	28.7	1.28	32.5	1.00	25.4	1.48	37.6	.461	11.7
16	M22 x 1.0-6H	1.03	26.2	1.28	32.5	1.13	28.6	.76	19.3	1.13	28.7	1.13	28.7	1.28	32.5	1.00	25.4	1.48	37.6	.461	11.7
18	M25 x 1.0-6H	1.15	29.2	1.41	35.8	1.25	31.8	.80	20.3	1.26	32.0	1.31	33.3	1.41	35.8	1.13	28.7	1.58	40.1	.544	13.8
20	M28 x 1.0-6H	1.28	32.5	1.52	38.6	1.38	34.9	.83	21.1	1.31	33.3	1.38	35.1	1.50	38.1	1.19	30.2	1.70	43.2	.614	15.6
22	M31 x 1.0-6H	1.41	35.8	1.64	41.7	1.50	38.1	.90	22.9	1.37	34.8	1.50	38.1	1.56	39.6	1.25	31.8	1.74	44.2	.697	17.7
24	M34 x 1.0-6H	1.53	38.9	1.77	45.0	1.63	41.3	.94	23.9	1.45	36.8	1.63	41.4	1.69	42.9	1.38	35.1	1.79	45.5	.780	19.8

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Series 62 Saddle Clamps

for Series 806 Mil/Aero Connectors

620VS090 Saddle Clamp, Expanded Clearance for #8 Sealing Boots

Self-Locking

Adapter Code V

This accessory fits Glenair Series 806 MilAero Connectors

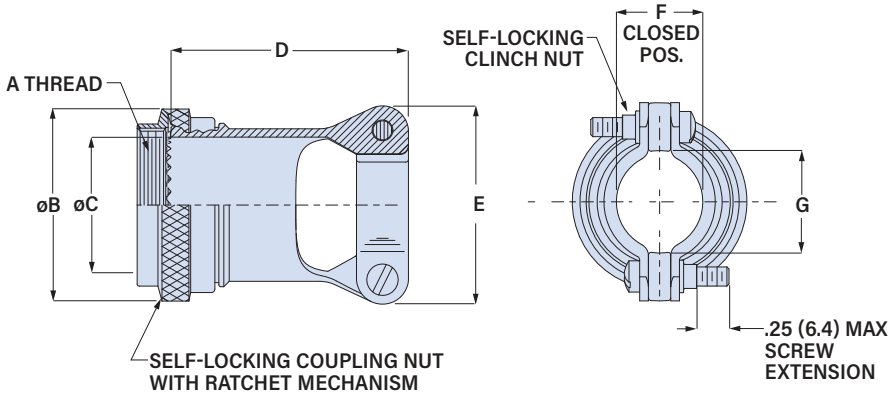
Self-locking. Full radius saddles. Extra clearance for #8 sealing boots. Extended frame saddle clamp fits Series 806 Mil-Aero connectors. Clamp has enlarged inside diameter and longer frame to provide clearance for size 8 coax/twinax/quadrax/octaxial contacts with sealing boots. Extra clearance helps prevent contact splay and damage. Full radius saddle bars have self-locking SST clinch nuts. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration.

PART NUMBER

	620VS090	ME	20
Base P/N	**620VS090**		
Material/Finish	**ME** Alum/ Electroless Nickel **MT** Alum/ Nickel-PTFE **NF** Alum/ Olive Drab Cadmium **ZR** Alum/ Black Zinc-Nickel **TZ** Alum/ Tin-Zinc **Z1** SST/ Passivated		
Shell Size	**10 11 12 14 16 18 20 22 24**		

MATERIAL/FINISH

Body, saddles, coupling nut: aluminum or SST, finish per PN build
Screws, washers, clinch nuts: stainless steel
Anti-decoupling spring: high temperature thermoplastic (aluminum clamps) or SST (SST clamps)



Shell Size	A ISO Metric Thread	øB Max. in	øB Max. mm	øC ± .005 (0.1) in	øC ± .005 (0.1) mm	D Max ± .060 (1.5) in	D Max ± .060 (1.5) mm	E Max in	E Max mm	F ± .031 (.8) in	F ± .031 (.8) mm	G Min in	G Min mm
10	M14 x 1-6H	.80	20.32	.410	10.4	1.28	32.51	1.05	26.7	.264	6.7	.36	9.14
11	M15 x 1-6H	.84	21.34	.471	12.0	1.35	34.29	1.05	26.7	.264	6.7	.36	9.14
12	M17 x 1-6H	.92	23.37	.539	13.7	1.35	34.29	1.20	30.5	.344	8.7	.42	10.67
14	M19 x 1-6H	1.02	25.91	.592	15.0	1.41	35.81	1.20	30.5	.344	8.7	.42	10.67
16	M22 x 1-6H	1.16	29.46	.740	18.8	1.47	37.34	1.30	33.0	.460	11.7	.47	11.9
18	M25 x 1-6H	1.26	32.00	.856	21.7	1.53	38.86	1.44	36.6	.545	13.8	.55	14.0
20	M28 x 1-6H	1.40	35.56	.980	24.9	1.66	42.16	1.56	39.6	.615	15.6	.62	15.7
22	M31 x 1-6H	1.52	38.61	1.070	27.2	1.72	43.69	1.69	42.9	.698	17.7	.70	17.8
24	M34 x 1-6H	1.64	41.66	1.214	30.8	1.78	45.21	1.77	45.0	.780	19.8	.78	19.8

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Series 62 Saddle Clamps

for Series 970 PowerTrip® Connectors

620PS076 Saddle Clamp, Self-Locking

Self-Locking

Adapter Code P

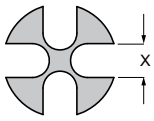
This accessory fits Glenair Series 970 PowerTrip Connectors

Spin coupling. Heavy-duty clamp fits Glenair Series 970 PowerTrip® connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Saddles have self-locking stainless steel clinch nuts. Rigid dielectric bushing provides additional wire support (not available for all insert patterns). Aluminum alloy or stainless steel. Stainless steel screws and clinch nuts, thermoplastic wire support bushing.

MATERIAL/FINISH

Coupling nut, body, saddles: aluminum or SST
Screws: stainless steel/passivated
Clinch nuts: stainless steel/silver
Anti-decoupling spring: thermoplastic (aluminum body) or SST (SST body)
Wire support bushing: Delrin

WIRE SUPPORT BUSHING



Wire Size	X (Ref.) in	X (Ref.) mm
8 AWG	.217	5.51
4 AWG	.331	8.41
1/0 AWG	.500	12.70

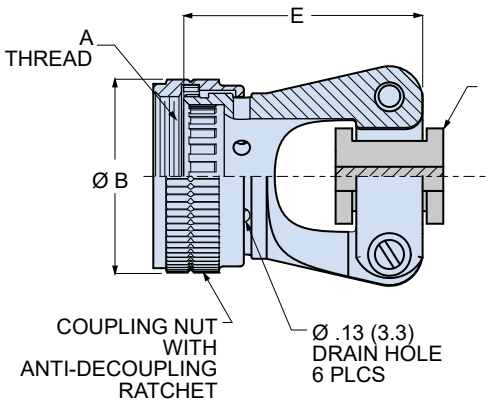
RECOMMENDED TORQUE

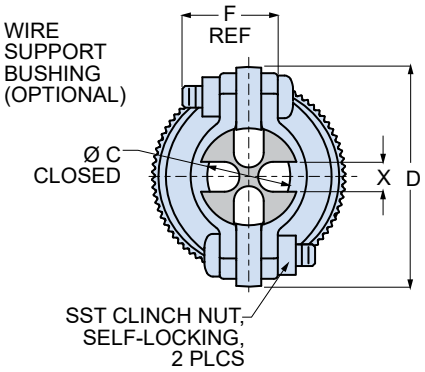
Shell Size	Recommended Installation Torque Inch-Pounds ±5
18	116
20, 24	136
28, 32, 36	148
40	164

PART NUMBER

	620PS076	ZTZ	18	B2

Base P/N	**620PS076**	
Material/Finish	**ME**	Alum/Electroless Nickel
	NF	Alum/Olive Drab Cadmium
	ZR	Alum/Black Zinc-Nickel
	TZ	Alum/Tin-Zinc
	Z1	SST/Passivated
	ZTZ	SST/Tin-Zinc
Shell Size	**18 20 24 28 32 36 40**	
Wire Support Bushing	*Omit if bushing is not required.*	
	B2	Two slot bushing (for arr. 18-2, 24-2, 32-2)
	B3	Three slot bushing (for arr. 20-3, 24-3, 32-3)
	B4	Four slot bushing (for arr. 20-4, 28-4, 36-4)
	B5	Five slot bushing (for arr. 24-5, 32-5, 40-5)





Shell Size	A Thread	ø B Max. in	ø B Max. mm	C ±.031 (0.79) in	C ±.031 (0.79) mm	D Max. in	D Max. mm	E Max. in	E Max. mm	F Ref. in	F Ref. mm
18	1.125-18 UNEF-2B	1.390	35.3	.518	13.2	1.500	38.1	1.830	46.5	.630	16.0
20	1.250-18 UNEF-2B	1.530	38.9	.665	16.9	1.687	42.8	1.830	46.5	.630	16.0
24	1.4375-18 UNEF-2B	1.720	43.7	.795	20.2	1.921	48.8	2.030	51.6	.630	16.0
28	1.8125-16 UN-2B	2.130	54.1	1.080	27.4	2.355	59.8	2.130	54.1	.750	19.1
32	2.0625-16 UNS-2B	2.350	59.7	1.200	30.5	2.716	69.0	2.530	64.3	.880	22.4
36	2.250-16 UN-2B	2.590	65.8	1.400	35.6	2.869	72.9	2.530	64.3	.880	22.4
40	2.500-16 UN-2B	2.870	72.9	1.700	43.2	3.066	77.9	2.530	64.3	.880	22.4

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Series 62 Saddle Clamps

for MIL-DTL-28840 Connectors

620G*051 Saddle Clamp, General Purpose

Adapter Code G

This accessory fits MIL-DTL-28840 and Glenair Series 901 Connectors

MATERIAL/FINISH

Body, saddles, coupling nut: aluminum or SST/ finish per PN
Screws, washers: stainless steel/passivated

Aluminum or SST. For jacketed cable. Saddle clamp fits MIL-DTL-28840 and Glenair Series 901 connectors. Stainless steel screws and lock washers. Straight, 45° and 90° profiles.

PART NUMBER

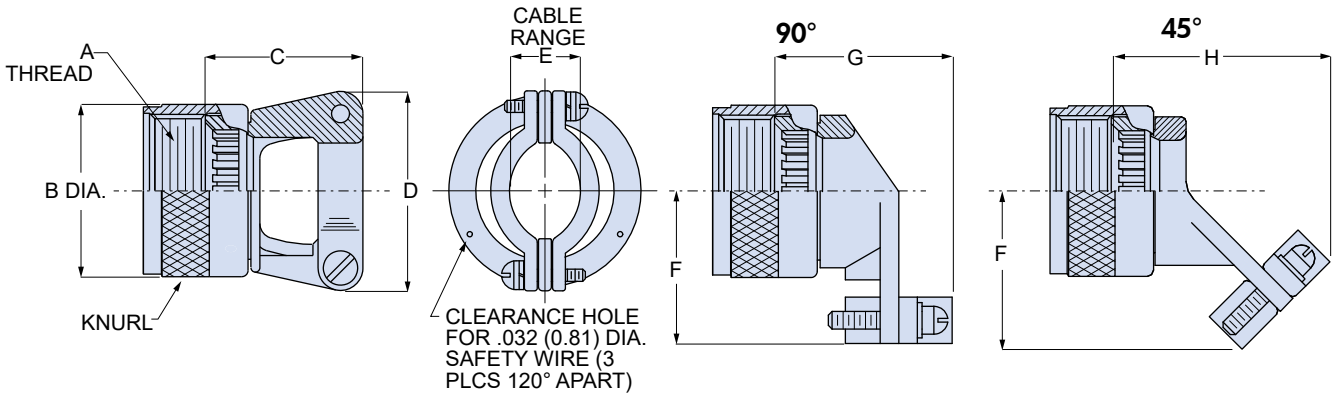
620GS051 | Z1 | 23

Base P/N
- 620GS051 Straight
- 620GA051 90°
- 620GB051 45°

Material/Finish
- M Alum/Electroless Nickel
- NF Alum/Cadmium, Olive Drab
- ZR Alum/Black Zinc-Nickel
- TZ Alum/Tin-Zinc
- Z1 SST/Passivated
- ZU SST/Cadmium, Black
- ZTZ SST/Tin-Zinc

Size Code

Shell Size	11	13	15	17	19	23	25	29	33
	A	B	C	D	E	F	G	H	J
Size Code	11	13	15	17	19	23	25	29	33



Size Code	Shell Size	A Thread Class 2B	øB Max. in	øB Max. mm	C Max. in	C Max. mm	D Max. in	D Max. mm	E Cable Entry Min. in	E Cable Entry Min. mm	E Cable Entry Max. in	E Cable Entry Max. mm	F Max. in	F Max. mm	G Max. in	G Max. mm	H Max. in	H Max. mm
11	A (11)	.750-20 UNEF	.94	23.9	1.091	27.7	.903	22.94	.177	4.5	.286	7.3	.929	23.6	1.071	27.2	1.650	23.6
13	B (13)	.875-20 UNEF	1.07	27.2	1.091	27.7	.977	24.82	.177	4.5	.286	7.3	.929	23.6	1.071	27.2	1.650	23.6
15	C (15)	1.000-20 UNEF	1.21	30.7	1.091	27.7	1.151	29.24	.250	6.4	.416	10.6	1.056	26.8	1.280	32.5	1.765	44.6
17	D (17)	1.125-18 UNEF	1.41	35.7	1.206	30.6	1.281	32.54	.291	7.4	.476	12.1	1.233	31.3	1.392	35.4	1.874	47.6
19	E (19)	1.250-18 UNEF	1.53	38.9	1.320	33.5	1.406	35.71	.348	8.8	.626	15.9	1.293	32.9	1.517	38.5	1.918	48.7
23	F (23)	1.438-18 UNEF	1.73	43.9	1.445	36.7	1.576	40.03	.429	10.9	.831	21.1	1.358	34.5	1.642	41.7	1.962	49.8
25	G (25)	1.562-18 UNEF	1.82	46.2	1.570	39.9	1.666	42.32	.523	13.3	.956	24.3	1.420	36.1	1.767	44.9	2.006	51.0
29	H (29)	1.875-16 UN	2.14	54.4	1.721	43.7	2.046	51.97	.643	16.3	1.081	27.5	1.634	41.5	1.905	48.4	2.301	58.5
33	J (33)	2.062-16 UNS	2.33	59.1	1.908	48.5	2.209	56.11	.704	17.9	1.187	30.2	1.859	47.2	1.968	50.0	2.389	60.7

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Series 62 Saddle Clamps

for MIL-DTL-26500 Connectors

620ES050 Saddle Clamp, Direct Coupling

Adapter Code E

This accessory fits MIL-DTL-26500 connectors

Saddle clamp fits MIL-DTL-26500 Class F, G and R connectors. Aluminum with stainless steel screws. Direct coupling.

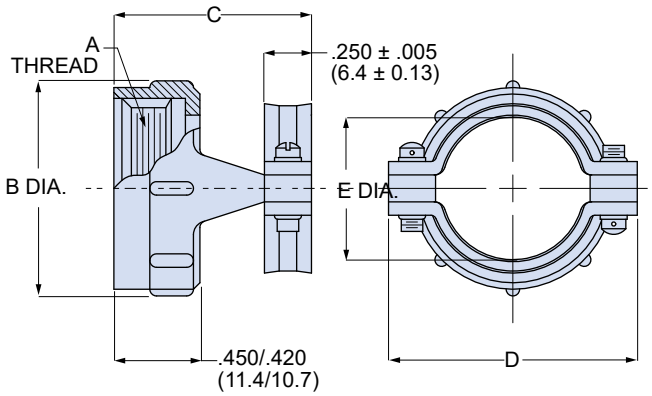
PART NUMBER

	620ES050	NF	22
Base P/N	620ES050		
Material/Finish	**C** Black Anodize **M** Electroless Nickel **MT** Nickel-PTFE **NF** Olive Drab Cadmium **ZR** Black Zinc-Nickel **TZ** Tin-Zinc		
Shell Size	08 10 12 14 16 18 20 22 24		

MATERIAL/FINISH

Body, saddles: aluminum or SST/ finish per PN

Screws, washers: stainless steel/passivated



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	C Max in	C Max mm	D Max in	D Max mm	E ± .015(0.38) in	E ± .015(0.38) mm
08	0.4375-28	.606	15.4	.950	24.1	.742	18.8	.186	4.7
10	0.5625-24	.731	18.6	.950	24.1	.873	22.2	.270	6.9
12	0.7500-24	.919	23.3	.950	24.1	.972	24.7	.400	10.2
14	0.8125-20	.981	24.9	1.185	30.1	1.078	27.4	.460	11.7
16	0.9375-20	1.106	28.1	1.185	30.1	1.242	31.5	.610	15.5
18	1.0625-18	1.231	31.3	1.185	30.1	1.345	34.2	.690	17.5
20	1.1875-18	1.481	37.6	1.185	30.1	1.472	37.4	.816	20.7
22	1.3125-18	1.356	34.4	1.185	30.1	1.597	40.6	.940	23.9
24	1.4375-18	1.606	40.8	1.185	30.1	1.724	43.8	1.066	27.1

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SuperNine® EMI/EMP filter connectors

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Series 65 Dummy Receptacles

Selection Guide

Series 65 Dummy Receptacles

Series 65 Dummy Receptacles provide stowage and protection for unused plug assemblies.

AS50151
MIL-DTL-5015

650BS012
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MIL-DTL-26482
MIL-DTL-83723 Series I

650DS001
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MIL-DTL-83723 Series III Threaded
MIL-DTL-26500 Threaded

650ES001
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MIL-DTL-83723 Series III Bayonet
MIL-DTL-26500 Bayonet

650ES002
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MIL-DTL-38999

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Series II
650FS002
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Series III
Alum. or SST
650HS058
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Series III
Composite
650HS025
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Series III
Jam Nut
650HS091
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Series IV
650HS007
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MIL-DTL-28840
MIL-PRF-28876

650GS001
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Series 80 Mighty Mouse

Series 801
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Series 805
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Series 806 MII-Aero

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RF
M39012

Delta Type HN Coax
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SMA Coax
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Delta Type N Coax
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TNC Coax
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BNC Coax
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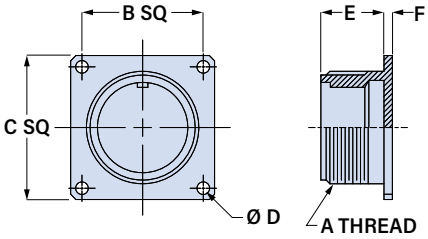
Series 65 Dummy Receptacles

for AS50151, MIL-DTL-83723 Series I, and MIL-DTL-26482 Connectors

650BS012, 650DS001

650BS012 DUMMY RECEPTACLE FOR 5015 THREADED CONNECTORS

Use dummy stowage receptacle to secure and protect unused plugs. 650BS012 receptacle accommodates AN type SAE AS50151 (formerly MIL-DTL-5015) plug connectors including MS3106, MS3108, MS3456, and MS3459.



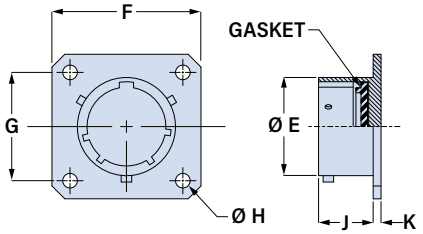
Shell Size	Part Number ✳ = Finish Code from Table I	A Thread Class 2A	B SQ ± .031 (0.8) In.	B SQ ± .031 (0.8) mm.	C Max In.	C Max mm.	D ± .031 (0.8) In.	D ± .031 (0.8) mm.	E Max In.	E Max mm.	F ± .031 (0.8) In.	F ± .031 (0.8) mm.
08S	650BS012✳08S	.500-28 UNEF	.594	15.1	.906	23.0	.120	3.0	.593	15.1	.156	4.0
10S	650BS012✳10S	.625-24 UNEF	.719	18.3	1.031	26.2	.120	3.0	.593	15.1	.156	4.0
12S	650BS012✳12S	.750-20 UNEF	.812	20.6	1.125	28.6	.120	3.0	.593	15.1	.156	4.0
12	650BS012✳12	.750-20 UNEF	.812	20.6	1.125	28.6	.120	3.0	.781	19.8	.156	4.0
14S	650BS012✳14S	.875-20 UNEF	.906	23.0	1.219	31.0	.120	3.0	.593	15.1	.156	4.0
14	650BS012✳14	.875-20 UNEF	.906	23.0	1.219	31.0	.120	3.0	.781	19.8	.156	4.0
16S	650BS012✳16S	1.00-20 UNEF	.969	24.6	1.312	33.3	.120	3.0	.593	15.1	.156	4.0
16	650BS012✳16	1.00-20 UNEF	.969	24.6	1.312	33.3	.120	3.0	.781	19.8	.156	4.0
18	650BS012✳18	1.125-18 UNEF	1.062	27.0	1.406	35.7	.120	3.0	.781	19.8	.203	5.2
20	650BS012✳20	1.250-18 UNEF	1.156	29.4	1.531	38.9	.120	3.0	.781	19.8	.203	5.2
22	650BS012✳22	1.375-18 UNEF	1.250	31.8	1.656	42.1	.120	3.0	.781	19.8	.203	5.2
24	650BS012✳24	1.500-16 UNEF	1.375	34.9	1.781	45.2	.147	3.7	.843	21.4	.203	5.2
28	650BS012✳28	1.750-18 UNS	1.562	39.7	2.031	51.6	.147	3.7	.843	21.4	.203	5.2
32	650BS012✳32	2.000-18 UNS	1.750	44.5	2.281	57.9	.173	4.4	.906	23.0	.359	9.1
36	650BS012✳36	2.250-16 UN	1.938	49.2	2.531	64.3	.173	4.4	.906	23.0	.359	9.1
40	650BS012✳40	2.500-16 UN	2.188	55.6	2.781	70.6	.173	4.4	.906	23.0	.359	9.1
44	650BS012✳44	2.750-16 UN	2.375	60.3	3.031	77.0	.173	4.4	.906	23.0	.359	9.1
48	650BS012✳48	3.000-16 UN	2.625	66.7	3.281	83.3	.173	4.4	.906	23.0	.359	9.1

TABLE 1 FINISH CODES

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

650DS001 DUMMY RECEPTACLE FOR MIL-DTL-83723 SERIES I AND MIL-DTL-26482 CONNECTORS

Use dummy stowage receptacle to secure and protect unused plugs. 650DS001 receptacle accommodates MIL-DTL-83723 Series I and MIL-DTL-26482 bayonet coupling connectors. Silicone gasket, stainless steel bayonet pins.



Shell Size	Part Number ✳ = Finish Code from Table I	ø E ± .015 (0.4) In.	ø E ± .015 (0.4) mm.	F Max In.	F Max mm.	G ± .015 (0.4) In.	G ± .015 (0.4) mm.	ø H ± .010 (0.3) In.	ø H ± .010 (0.3) mm.	J ± .015 (0.4) In.	J ± .015 (0.4) mm.	K ± .015 (0.4) In.	K ± .015 (0.4) mm.
08	650DS001✳08	.471	12.0	.828	21.0	.594	15.1	.120	3.0	.478	12.1	.062	1.6
10	650DS001✳10	.588	14.9	.954	24.2	.719	18.3	.120	3.0	.478	12.1	.062	1.6
12	650DS001✳12	.748	19.0	1.047	26.6	.812	20.6	.120	3.0	.478	12.1	.062	1.6
14	650DS001✳14	.873	22.2	1.141	29.0	.906	23.0	.120	3.0	.478	12.1	.062	1.6
16	650DS001✳16	.998	25.3	1.234	31.3	.969	24.6	.120	3.0	.478	12.1	.062	1.6
18	650DS001✳18	1.123	28.5	1.328	33.7	1.062	27.0	.120	3.0	.478	12.1	.062	1.6
20	650DS001✳20	1.248	31.7	1.453	36.9	1.156	29.4	.120	3.0	.572	14.5	.094	2.4
22	650DS001✳22	1.373	34.9	1.578	40.1	1.250	31.8	.120	3.0	.572	14.5	.094	2.4
24	650DS001✳24	1.498	38.0	1.703	43.3	1.375	34.9	.147	3.7	.605	15.4	.094	2.4

TABLE 1 FINISH CODES

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

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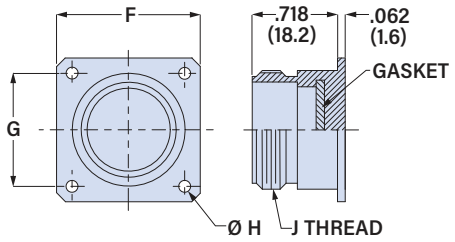
Series 65 Dummy Receptacles

for MIL-DTL-83723 Series III and MIL-DTL-26500 Connectors

650ES001, 650ES002

650ES001 DUMMY RECEPTACLE FOR MIL-DTL-83723 SERIES III AND MIL-DTL-26500 CONNECTORS



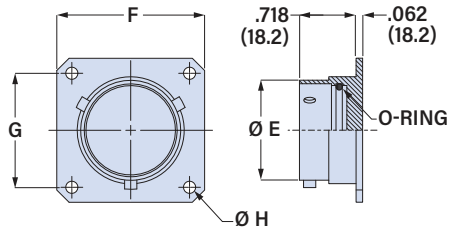
Use dummy stowage receptacle to secure and protect unused plugs. 650ES001 receptacle accommodates MIL-DTL-83723 Series III and MIL-DTL-26500 threaded coupling plug connectors. Silicone gasket.

Shell Size	Part Number ✳ = Finish Code from Table I	J Thread UNEF-2A	F ± .015 (0.4) In.	F mm.	G ± .015 (0.4) In.	G mm.	ø H ± .015 (0.4) In.	ø H mm.
08	650ES001✳08	.5625-24	.812	20.6	.594	15.1	.125	3.2
10	650ES001✳10	.6875-24	.937	23.8	.719	18.3	.125	3.2
12	650ES001✳12	.8750-20	1.031	26.2	.812	20.6	.125	3.2
14	650ES001✳14	.9375-20	1.125	28.6	.906	23.0	.125	3.2
16	650ES001✳16	1.0625-18	1.250	31.8	.969	24.6	.125	3.2
18	650ES001✳18	1.1875-18	1.343	34.1	1.062	27.0	.125	3.2
20	650ES001✳20	1.3125-18	1.437	36.5	1.156	29.4	.125	3.2
22	650ES001✳22	1.4375-18	1.562	39.7	1.250	31.8	.125	3.2
24	650ES001✳24	1.5625-18	1.703	43.3	1.375	34.9	.154	3.9

TABLE 1 FINISH CODES

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

650ES002 DUMMY RECEPTACLE FOR MIL-DTL-83723 SERIES III AND MIL-DTL-26500 CONNECTORS



Use dummy stowage receptacle to secure and protect unused plugs. 650ES002 receptacle accommodates MIL-DTL-83723 Series III and MIL-DTL-26500 bayonet coupling plug connectors. Silicone O-ring, stainless steel bayonet pins. Paint stripes indicate bayonet pin locations.

Shell Size	Part Number ✳ = Finish Code from Table I	ø E ± .015 (0.4) In.	ø E mm.	F ± .015 (0.4) In.	F mm.	G ± .015 (0.4) In.	G mm.	ø H ± .015 (0.4) In.	ø H mm.
08	650ES002✳08	.536	13.6	.812	20.6	.594	15.1	.125	3.2
10	650ES002✳10	.659	16.7	.937	23.8	.719	18.3	.125	3.2
12	650ES002✳12	.829	21.8	1.031	26.2	.812	20.6	.125	3.2
14	650ES002✳14	.898	22.8	1.125	28.6	.906	23.0	.125	3.2
16	650ES002✳16	1.025	26.0	1.250	31.8	.969	24.6	.125	3.2
18	650ES002✳18	1.131	28.7	1.343	34.1	1.062	27.0	.125	3.2
20	650ES002✳20	1.256	31.9	1.437	36.5	1.156	29.4	.125	3.2
22	650ES002✳22	1.381	35.1	1.562	39.7	1.250	31.8	.125	3.2
24	650ES002✳24	1.506	38.3	1.703	43.3	1.375	34.9	.154	3.9

TABLE 1 FINISH CODES

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

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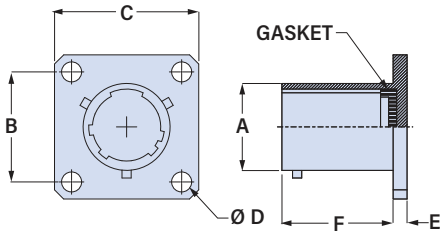
Series 65 Dummy Receptacles

for MIL-DTL-38999 Series I & II Bayonet Connectors

650FS001, 650FS002

650FS001 DUMMY RECEPTACLE FOR MIL-DTL-38999 SERIES I BAYONET CONNECTORS



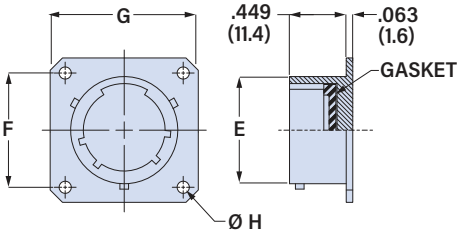
Use dummy stowage receptacle to secure and protect unused plugs. 650FS001 receptacle accommodates MIL-DTL-38999 Series I bayonet coupling connectors. Silicone gasket, stainless steel bayonet pins.

Shell Size	Part Number ✳ = Finish Code from Table I	ø A Max. In.	ø A Max. mm.	B ± .015 (0.4) In.	B ± .015 (0.4) mm.	C ± .020 (0.5) In.	C ± .020 (0.5) mm.	ø D ± .015 (0.4) In.	ø D ± .015 (0.4) mm.	E +.015/-.000 (+0.4/-0.0) In.	E +.015/-.000 (+0.4/-0.0) mm.	F ± .010 (0.3) In.	F ± .010 (0.3) mm.
09	650FS001✳09	.572	14.5	.719	18.3	.938	23.8	.128	3.3	.085	2.2	.727	18.5
11	650FS001✳11	.701	17.8	.812	20.6	1.031	26.2	.128	3.3	.085	2.2	.727	18.5
13	650FS001✳13	.851	21.6	.906	23.0	1.125	28.6	.128	3.3	.085	2.2	.727	18.5
15	650FS001✳15	.976	24.8	.969	24.6	1.219	31.0	.128	3.3	.085	2.2	.727	18.5
17	650FS001✳17	1.101	28.0	1.062	27.0	1.312	33.3	.128	3.3	.085	2.2	.727	18.5
19	650FS001✳19	1.208	30.7	1.156	29.4	1.438	36.5	.128	3.3	.085	2.2	.727	18.5
21	650FS001✳21	1.333	33.9	1.250	31.8	1.562	39.7	.128	3.3	.115	2.9	.697	17.7
23	650FS001✳23	1.458	37.0	1.375	34.9	1.688	42.9	.147	3.7	.115	2.9	.697	17.7
25	650FS001✳25	1.583	40.2	1.500	38.1	1.812	46.0	.147	3.7	.115	2.9	.697	17.7

TABLE 1 FINISH CODES

Aluminum		Stainless Steel
C	Black Anodize	Z1 Passivate
M	Electroless Nickel	
NF	Olive Drab Cadmium	
MT	Nickel-PTFE	
ZR	Black Zinc-Nickel	
TZ	Tin-Zinc	

650FS002 DUMMY RECEPTACLE FOR MIL-DTL-38999 SERIES II BAYONET CONNECTORS



Use dummy stowage receptacle to secure and protect unused plugs. 650FS002 receptacle accommodates MIL-DTL-38999 Series II bayonet coupling connectors. Silicone gasket, stainless steel bayonet pins.

Shell Size	Part Number ✳ = Finish Code from Table I	ø E Max. In.	ø E Max. mm.	F ± .015 (0.4) In.	F ± .015 (0.4) mm.	G Max. In.	G Max. mm.	H ± .015 (0.4) In.	H ± .015 (0.4) mm.
08	650FS002✳08	.474	12.0	.594	15.1	.823	20.9	.120	3.0
10	650FS002✳10	.591	15.0	.719	18.3	.949	24.1	.120	3.0
12	650FS002✳12	.751	19.1	.812	20.6	1.042	26.5	.120	3.0
14	650FS002✳14	.876	22.3	.906	23.0	1.136	28.9	.120	3.0
16	650FS002✳16	1.001	25.4	.969	24.6	1.230	31.2	.120	3.0
18	650FS002✳18	1.126	28.6	1.062	27.0	1.323	33.6	.120	3.0
20	650FS002✳20	1.251	31.8	1.156	29.4	1.449	36.8	.120	3.0
22	650FS002✳22	1.376	35.0	1.250	31.8	1.573	40.0	.120	3.0
24	650FS002✳24	1.501	38.1	1.375	34.9	1.699	43.2	.147	3.7

TABLE 1 FINISH CODES

Aluminum		Stainless Steel
C	Black Anodize	Z1 Passivate
M	Electroless Nickel	
NF	Olive Drab Cadmium	
MT	Nickel-PTFE	
ZR	Black Zinc-Nickel	
TZ	Tin-Zinc	

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Series 65 Dummy Receptacles

for MIL-DTL-38999 Series III Connectors

650HS058, 650HS025

650HS058 DUMMY RECEPTACLE FOR MIL-DTL-38999 SERIES III CONNECTORS

Use dummy stowage receptacle to secure and protect unused plugs. 650HS058 receptacle accommodates MIL-DTL-38999 Series III triple-start threaded plug connectors. Fluorosilicone gasket.

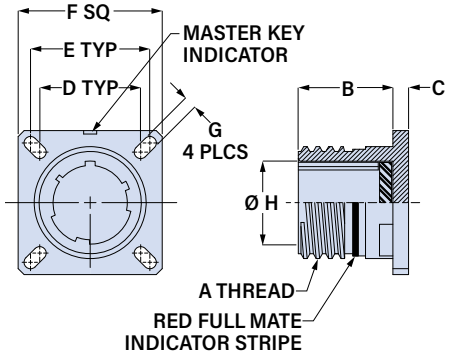

TABLE 1 FINISH CODES

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

Shell Size	Polarizing Position	Part Number ✳ = Finish Code from Table 1	A Thread	B +.000/-.005 (+0.0/-0.13) In.	B mm.	C ± .012 (0.3) In.	C mm.	D ± .015 (0.4) In.	D mm.	E ± .015 (0.4) In.	E mm.	F ± .012 (0.3) In.	F mm.	G ± .008 (0.2) In.	G mm.	H +.000/-.005 (+0.0/-0.13) In.	H mm.
09 (A)	C, E, N	650HS058✳09	.625-0.1P-0.3L-TS-2A	.820	20.8	.098	2.5	.594	15.1	.719	18.3	.937	23.8	.128	3.3	.492	12.5
09 (A)	A, B, D	650HS058✳09A	.625-0.1P-0.3L-TS-2A	.820	20.8	.098	2.5	.594	15.1	.719	18.3	.937	23.8	.128	3.3	.492	12.5
11 (B)	A, B, C, D, E	650HS058✳11	.750-0.1P-0.3L-TS-2A	.820	20.8	.098	2.5	.719	18.3	.812	20.6	1.031	26.2	.128	3.3	.620	15.7
13 (C)	A, B, C, D, E	650HS058✳13	.875-0.1P-0.3L-TS-2A	.820	20.8	.098	2.5	.812	20.6	.906	23.0	1.126	28.6	.128	3.3	.769	19.5
15 (D)	A, B, C, D, E	650HS058✳15	1.000-0.1P-0.3L-TS-2A	.820	20.8	.098	2.5	.906	23.0	.969	24.6	1.220	31.0	.128	3.3	.894	22.7
17 (E)	A, B, C, D, E	650HS058✳17	1.1875-0.1P-0.3L-TS-2A	.820	20.8	.098	2.5	.969	24.6	1.062	27.0	1.311	33.3	.128	3.3	1.019	25.9
19 (F)	A, B, C, D, E	650HS058✳19	1.250-0.1P-0.3L-TS-2A	.820	20.8	.098	2.5	1.062	27.0	1.156	29.4	1.437	36.5	.128	3.3	1.124	28.5
21 (G)	A, B, C, D, E	650HS058✳21	1.375-0.1P-0.3L-TS-2A	.790	20.1	.126	3.2	1.156	29.4	1.250	31.8	1.563	39.7	.128	3.3	1249	31.7
23 (H)	A, B, C, D, E	650HS058✳23	1.500-0.1P-0.3L-TS-2A	.790	20.1	.126	3.2	1.250	31.8	1.375	34.9	1.689	42.9	.154	3.9	1.374	34.9
25 (J)	A, B, C, D, E	650HS058✳25	1.625-0.1P-0.3L-TS-2A	.790	20.1	.126	3.2	1.375	34.9	1.500	38.1	1.811	46.0	.154	3.9	1.499	38.1

650HS025 DUMMY RECEPTACLE, COMPOSITE, FOR MIL-DTL-38999 SERIES III CONNECTORS

COMPOSITE

Use dummy stowage receptacle to secure and protect unused plugs. 650HS025 receptacle accommodates MIL-DTL-38999 Series III triple-start threaded plug connectors. Glass-reinforced thermoplastic, fluorosilicone gasket.

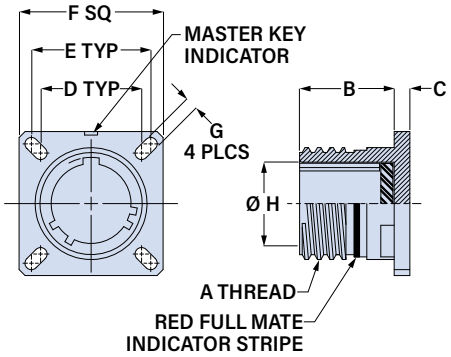

TABLE 1 FINISH CODES

Composite	
XB	Unplated, Black, Non-Conductive
XM	Electroless Nickel
XW	Olive Drab Cadmium
XO	Amber Color, Unplated, Non-Conductive
XMT	Nickel-PTFE

Shell Size	Part Number ✳ = Finish Code Table 1 ◆ = Key Position A,B,C,D,E,N	A Thread	B +.075/-.000 (+1.9/-0.0) In.	B mm.	C ± .030 (0.8) In.	C mm.	D ± .015 (0.4) In.	D mm.	E ± .015 (0.4) In.	E mm.	F ± .012 (0.3) In.	F mm.	G ± .008 (0.2) In.	G mm.	H +.000/-.005 (+0.0/-0.13) In.	H mm.
09 (A)	650HS025✳09◆	.625-0.1P-0.3L-TS-2A	.768	19.5	.116	2.9	.594	15.1	.719	18.3	.937	23.8	.128	3.3	.492	12.5
11 (B)	650HS025✳11◆	.750-0.1P-0.3L-TS-2A	.768	19.5	.116	2.9	.719	18.3	.812	20.6	1.031	26.2	.128	3.3	.620	15.7
13 (C)	650HS025✳13◆	.875-0.1P-0.3L-TS-2A	.768	19.5	.116	2.9	.812	20.6	.906	23.0	1.126	28.6	.128	3.3	.769	19.5
15 (D)	650HS025✳15◆	1.000-0.1P-0.3L-TS-2A	.768	19.5	.116	2.9	.906	23.0	.969	24.6	1.220	31.0	.128	3.3	.894	22.7
17 (E)	650HS025✳17◆	1.1875-0.1P-0.3L-TS-2A	.768	19.5	.116	2.9	.969	24.6	1.062	27.0	1.311	33.3	.128	3.3	1.019	25.9
19 (F)	650HS025✳19◆	1.250-0.1P-0.3L-TS-2A	.768	19.5	.116	2.9	1.062	27.0	1.156	29.4	1.437	36.5	.128	3.3	1.124	28.5
21 (G)	650HS025✳21◆	1.375-0.1P-0.3L-TS-2A	.736	18.7	.143	3.6	1.156	29.4	1.250	31.8	1.563	39.7	.128	3.3	1249	31.7
23 (H)	650HS025✳23◆	1.500-0.1P-0.3L-TS-2A	.736	18.7	.143	3.6	1.250	31.8	1.375	34.9	1.689	42.9	.154	3.9	1.374	34.9
25 (J)	650HS025✳25◆	1.625-0.1P-0.3L-TS-2A	.736	18.7	.143	3.6	1.375	34.9	1.500	38.1	1.811	46.0	.154	3.9	1.499	38.1

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Series 65 Dummy Receptacles

for MIL-DTL-38999 Series III and IV Connectors

650HS091, 650HS007

650HS091 DUMMY RECEPTACLE, JAM NUT, FOR MIL-DTL-38999 SERIES III CONNECTORS

Use dummy stowage receptacle to secure and protect unused plugs. 650HS091 receptacle accommodates MIL-DTL-38999 Series III triple-start threaded plug connectors. Jam nut mounting, fits standard mil spec panel cutout. Fluorosilicone O-ring, silicone gasket.

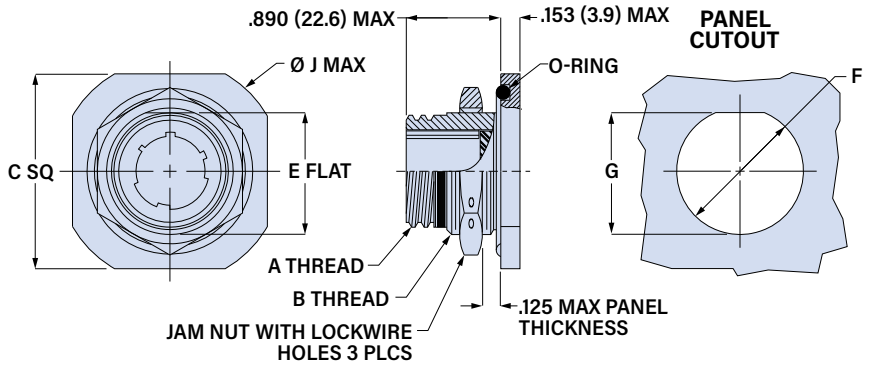

TABLE 1 FINISH CODES

Aluminum	
C	Black Anodize
M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc
Stainless Steel	
Z1	Passivate

Shell Size	Polarizing Position	Part Number ✳ = *Finish Code from Table I*	A Thread Class 2A	B Thread Class 2A 0.100R	C Sq ± .015 (0.4) In.	C Sq ± .015 (0.4) mm.	E Max In.	E Max mm.	ø F ± .005 (0.13) In.	ø F ± .005 (0.13) mm.	G ± .005 (0.13) In.	G ± .005 (0.13) mm.	ø J Max In.	ø J Max mm.
09 (A)	C, E, N	650HS091✳09	.625-0.1P-0.3L-TS	M17x1-6g	1.062	27.0	.655	16.6	.698	17.7	.658	16.7	1.201	30.5
09 (A)	A, B, D	650HS091✳09A	.625-0.1P-0.3L-TS	M17x1-6g	1.062	27.0	.655	16.6	.698	17.7	.658	16.7	1.201	30.5
11 (B)	A, B, C, D, E	650HS091✳11	.750-0.1P-0.3L-TS	M20x1-6g	1.250	31.8	.755	19.2	.830	21.1	.766	19.5	1.386	35.2
13 (C)	A, B, C, D, E	650HS091✳13	.875-0.1P-0.3L-TS	M25x1-6g	1.375	34.9	.942	23.9	1.015	25.8	.940	23.9	1.512	38.4
15 (D)	A, B, C, D, E	650HS091✳15	1.000-0.1P-0.3L-TS	M28x1-6g	1.500	38.1	1.065	27.1	1.140	29.0	1.070	27.2	1.638	41.6
17 (E)	A, B, C, D, E	650HS091✳17	1.1875-0.1P-0.3L-TS	M32x1-6g	1.625	41.3	1.191	30.3	1.265	32.1	1.205	30.6	1.764	44.8
19 (F)	A, B, C, D, E	650HS091✳19	1.250-0.1P-0.3L-TS	M35x1-6g	1.812	46.0	1.316	33.4	1.390	35.3	1.330	33.8	1.949	49.5
21 (G)	A, B, C, D, E	650HS091✳21	1.375-0.1P-0.3L-TS	M38x1-6g	1.931	49.0	1.441	36.6	1.515	38.5	1.455	37.0	2.075	52.7
23 (H)	A, B, C, D, E	650HS091✳23	1.500-0.1P-0.3L-TS	M41x1-6g	2.062	52.4	1.566	39.8	1.640	41.7	1.580	40.1	2.201	55.9
25 (J)	A, B, C, D, E	650HS091✳25	1.625-0.1P-0.3L-TS	M44x1-6g	2.188	55.6	1.691	43.0	1.765	44.8	1.705	43.3	2.323	59.0

650HS007 DUMMY RECEPTACLE FOR MIL-DTL-38999 SERIES IV CONNECTORS

Use dummy stowage receptacle to secure and protect unused plugs. 650HS007 receptacle accommodates MIL-DTL-38999 Series IV breech-lock plug connectors.

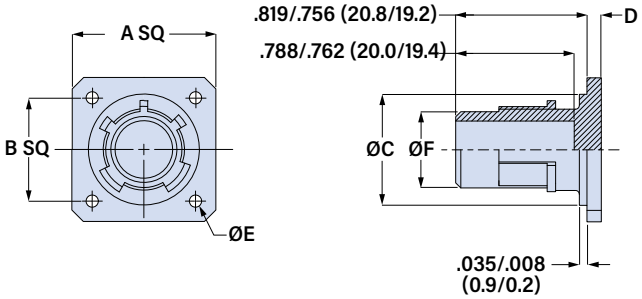

TABLE 1 FINISH CODES

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

Shell Size	Part Number ✳ = *Finish Code from Table I*	A Max. In.	A Max. mm.	B ± .015 (0.4) In.	B ± .015 (0.4) mm.	C Max. In.	C Max. mm.	D ± .006 (0.15) In.	D ± .006 (0.15) mm.	øE ± .008 (0.2) In.	øE ± .008 (0.2) mm.	F Max. In.	F Max. mm.
11 (B)	650HS007✳11	1.051	26.7	.812	20.6	.793	20.1	.094	2.4	.130	3.3	.509	12.9
13 (C)	650HS007✳13	1.146	29.1	.906	23.0	.919	23.3	.094	2.4	.130	3.3	.634	16.1
15 (D)	650HS007✳15	1.240	31.5	.969	24.6	1.044	26.5	.094	2.4	.130	3.3	.759	19.3
17 (E)	650HS007✳17	1.335	33.9	1.062	27.0	1.170	29.7	.094	2.4	.130	3.3	.885	22.5
19 (F)	650HS007✳19	1.461	37.1	1.156	29.4	1.294	32.9	.094	2.4	.130	3.3	1.009	25.6
21 (G)	650HS007✳21	1.583	40.2	1.250	31.8	1.419	36.0	.126	3.2	.130	3.3	1.134	28.8
23 (H)	650HS007✳23	1.709	43.4	1.375	34.9	1.544	39.2	.126	3.2	.150	3.8	1.259	32.0
25 (J)	650HS007✳25	1.835	46.6	1.500	38.1	1.669	42.4	.126	3.2	.150	3.8	1.384	35.2

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Series 65 Dummy Receptacles

for MIL-DTL-28840 Connectors and Series 801 Mighty Mouse

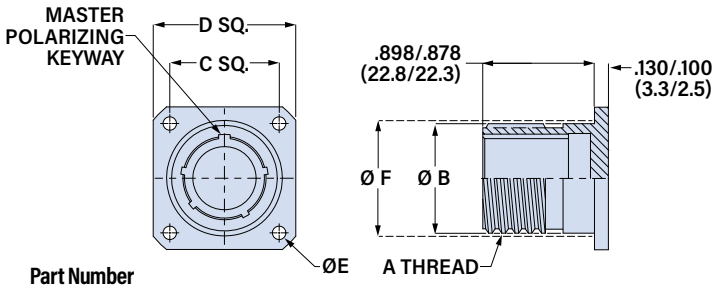
650GS001, 657-072

650GS001 DUMMY RECEPTACLE FOR MIL-DTL-28840 AND MIL-PRF-28876 CONNECTORS

Use dummy stowage receptacle to secure and protect unused plugs. 650GS001 receptacle accommodates MIL-DTL-28840 and MIL-PRF-28876 threaded plug connectors.

TABLE 1 FINISH CODES

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel	ZU	Black Cadmium
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		



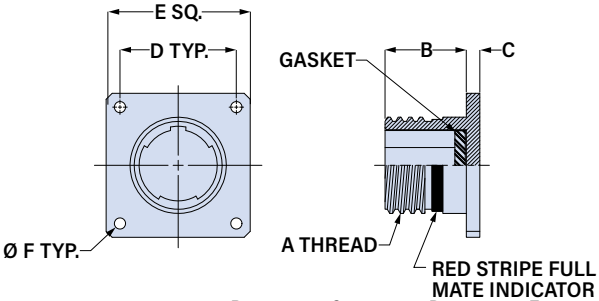
Shell Size	Part Number ✳ = Finish Code Table 1 ◆ = Key Position 1-6	A Thread.	øB Max.		C Square		D Max.		øE ± .015 (0.4)		F Ref. Mtng. Hole	
			In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
11 (A)	650GS001✳11-◆	.750-.1P-.2L-D.S.	.750	19.1	.750	19.1	1.043	26.5	.125	3.2	.812	20.6
13 (B)	650GS001✳13-◆	.875-.1P-.2L-D.S.	.875	22.2	.843	21.4	1.158	29.4	.125	3.2	.937	23.8
15 (C)	650GS001✳15-◆	1.062-.1P-.2L-D.S	1.062	27.0	.968	24.6	1.278	32.5	.125	3.2	1.124	28.6
17 (D)	650GS001✳17-◆	1.125-.1P-.2L-D.S.	1.125	28.6	1.015	25.8	1.403	35.6	.125	3.2	1.187	30.2
19 (E)	650GS001✳19-◆	1.312-.1P-.2L-D.S.	1.312	33.3	1.140	29.0	1.528	38.8	.125	3.2	1.375	34.9
23 (F)	650GS001✳23-◆	1.500-.1P-.2L-D.S.	1.500	38.1	1.281	32.5	1.738	44.1	.125	3.2	1.562	40.0
25 (G)	650GS001✳25-◆	1.625-.1P-.2L-D.S.	1.625	41.3	1.392	35.4	1.838	46.7	.150	3.8	1.687	42.9
29 (H)	650GS001✳29-◆	1.812-.1P-.2L-D.S.	1.812	46.0	1.568	39.8	2.158	54.8	.150	3.8	1.874	47.6
33 (J)	650GS001✳33-◆	2.000-.1P-.2L-D.S.	2.000	50.8	1.734	44.0	2.348	59.6	.177	4.5	2.062	52.4

657-072 DUMMY RECEPTACLE FOR SERIES 801 CONNECTORS

Use dummy stowage receptacle to secure and protect unused plugs. 657-072 receptacle accommodates Glenair Series 801 threaded plug connectors. Fluorosilicone gasket.

TABLE 1 FINISH CODES

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		



Shell Size	Part Number ✳ = Finish Code from Table 1	A Thread.	B ± .015 (0.4)		C ± .015 (0.4)		D ± .015 (0.4)		E ± .015 (0.4)		ø F ± .015 (0.4)	
			In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
5	657-072✳5	.3125-.05P-.1L-DS-2A	.370	9.4	.060	1.5	.363	9.2	.530	13.5	.093	2.4
6	657-072✳6	.375-.05P-.1L-DS-2A	.370	9.4	.060	1.5	.423	10.7	.590	15.0	.093	2.4
7	657-072✳7	.4375-.05P-.1L-DS-2A	.370	9.4	.060	1.5	.483	12.3	.650	16.5	.093	2.4
8	657-072✳8	.5000-.05P-.1L-DS-2A	.370	9.4	.060	1.5	.545	13.8	.712	18.1	.093	2.4
9	657-072✳9	.5625-.05P-.1L-DS-2A	.370	9.4	.060	1.5	.607	15.4	.850	21.6	.128	3.3
10	657-072✳10	.6250-.05P-.1L-DS-2A	.370	9.4	.060	1.5	.670	17.0	.890	22.6	.128	3.3
11	657-072✳11	.6875-.1P-.1L-DS-2A	.370	9.4	.060	1.5	.715	18.2	.935	23.7	.128	3.3
13	657-072✳13	.8125-.1P-.2L-DS-2A	.480	12.2	.090	2.3	.812	20.6	1.030	26.2	.128	3.3
16	657-072✳16	1.000-.1P-.2L-DS-2A	.480	12.2	.090	2.3	.981	24.9	1.219	31.0	.128	3.3
17	657-072✳17	1.0625-.1P-.2L-DS-2A	.480	12.2	.090	2.3	1.060	26.9	1.280	32.5	.128	3.3
19	657-072✳19	1.1875-.1P-.2L-DS-2A	.480	12.2	.090	2.3	1.191	30.3	1.432	36.4	.128	3.3
21	657-072✳21	1.3125-.1P-.2L-DS-2A	.480	12.2	.090	2.3	1.322	33.6	1.565	39.8	.128	3.3

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Series 65 Dummy Receptacles

for Series 805 Mighty Mouse and Series 806 Mil-Aero Connectors

657-079, 650-088

657-079 DUMMY RECEPTACLE FOR SERIES 805 MIGHTY MOUSE CONNECTORS

Use dummy stowage receptacle to secure and protect unused plugs. 657-079 receptacle accommodates Glenair's Series 805 Mighty Mouse threaded plug connectors. Fluorosilicone gasket.

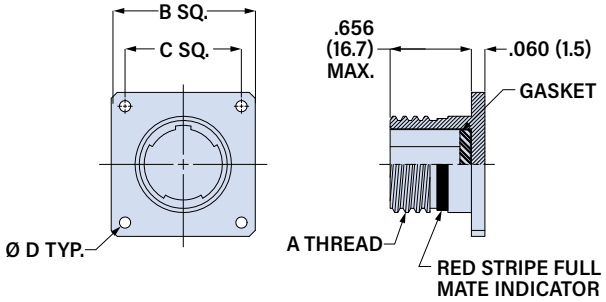

TABLE 1 FINISH CODES

Aluminum		Stainless Steel
C	Black Anodize	Z1 Passivate
M	Electroless Nickel	
NF	Olive Drab Cadmium	
MT	Nickel-PTFE	
ZR	Black Zinc-Nickel	
TZ	Tin-Zinc	

Shell Size	Part Number ✳ = Finish Code from Table 1	A Thread	B Sq. ± .015 (0.4) In.	B Sq. ± .015 (0.4) mm.	C Sq ± .015 (0.4) In.	C Sq ± .015 (0.4) mm.	D ± .015 (0.4) In.	D ± .015 (0.4) mm.
8	657-079✳8	.5000-.1P-.3L-TS-2A	.850	21.6	.660	16.8	.094	2.4
9	657-079✳9	.5625-.1P-.3L-TS-2A	.913	23.2	.723	18.4	.094	2.4
10	657-079✳10	.6250-.1P-.3L-TS-2A	.975	24.8	.785	19.9	.094	2.4
11	657-079✳11	.6875-.1P-.3L-TS-2A	1.039	26.4	.848	21.5	.094	2.4
12	657-079✳12	.7500-.1P-.3L-TS-2A	1.099	27.9	.909	23.1	.094	2.4
13	657-079✳13	.8125-.1P-.3L-TS-2A	1.163	29.5	.973	24.7	.094	2.4
15	657-079✳15	.9375-.1P-.3L-TS-2A	1.288	32.7	1.058	26.9	.128	3.3
18	657-079✳18	1.1250-.1P-.3L-TS-2A	1.475	37.5	1.255	31.9	.128	3.3
19	657-079✳19	1.1870-.1P-.3L-TS-2A	1.537	39.0	1.327	33.7	.128	3.3
21	657-079✳21	1.3125-.1P-.3L-TS-2A	1.663	42.2	1.452	36.9	.128	3.3
23	657-079✳23	1.4375-.1P-.3L-TS-2A	1.787	45.4	1.570	39.9	.128	3.3

650-088 DUMMY RECEPTACLE FOR SERIES 806 MIL-AERO CONNECTORS

Use dummy stowage receptacle to secure and protect unused plugs. 650-088 receptacle accommodates Glenair's Series 806 Mil-Aero threaded plug connectors.

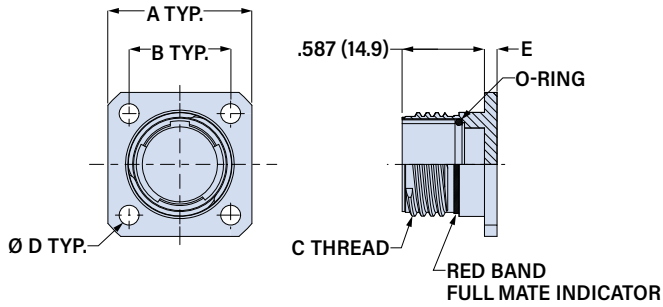

TABLE 1 FINISH CODES

Aluminum		Stainless Steel
C	Black Anodize	Z1 Passivate
ME	Electroless Nickel	ZL Nickel
NF	Olive Drab Cadmium	
MT	Nickel-PTFE	
ZR	Black Zinc-Nickel	
TZ	Tin-Zinc	

Shell Size	Part Number ✳ = Finish Code from Table 1	A ± .015 (0.4) In.	A ± .015 (0.4) mm.	B ± .015 (0.4) In.	B ± .015 (0.4) mm.	C Thread	D ± .015 (0.4) In.	D ± .015 (0.4) mm.	E ± .015 (0.4) In.	E ± .015 (0.4) mm.
8	650-088✳8	.822	20.9	.531	13.5	.5000-.067P-.2L-TS-2A	.128	3.3	.100	2.5
9	650-088✳9	.885	22.5	.594	15.1	.5625-.067P-.2L-TS-2A	.128	3.3	.100	2.5
10	650-088✳10	.913	23.2	.625	15.9	.6250-.067P-.2L-TS-2A	.128	3.3	.100	2.5
11	650-088✳11	.944	24.0	.670	17.0	.6875-.067P-.2L-TS-2A	.128	3.3	.100	2.5
12	650-088✳12	1.040	26.4	.765	19.4	.7500-.067P-.2L-TS-2A	.128	3.3	.100	2.5
14	650-088✳14	1.133	28.8	.859	21.8	.8750-.067P-.2L-TS-2A	.128	3.3	.100	2.5
16	650-088✳16	1.227	31.2	.938	23.8	1.0000-.067P-.2L-TS-2A	.128	3.3	.100	2.5
18	650-088✳18	1.320	33.5	1.016	25.8	1.1250-.067P-.2L-TS-2A	.128	3.3	.100	2.5
20	650-088✳20	1.444	36.7	1.109	28.2	1.2500-.067P-.2L-TS-2A	.154	3.9	.125	3.2
22	650-088✳22	1.570	39.9	1.203	30.6	1.3750-.067P-.2L-TS-2A	.154	3.9	.125	3.2
24	650-088✳24	1.696	43.1	1.312	33.3	1.5000-.067P-.2L-TS-2A	.154	3.9	.125	3.2

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Series 65 Dummy Receptacles

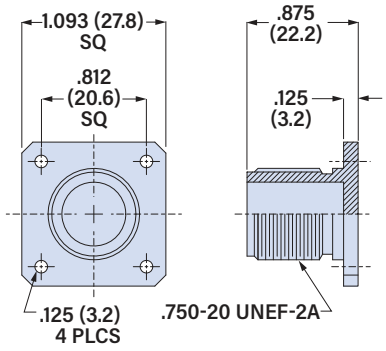
for Type HN, SMA, N, and TNC Coax RF Plugs

650-072, 650-073, 650-074, 650-075

650-072 DUMMY RECEPTACLE FOR DELTA TYPE HN COAX RF PLUGS

Use dummy stowage receptacle to secure and protect unused plugs. 650-072 receptacle accommodates Type HN Delta coaxial plug connectors. Aluminum, stainless steel or brass.

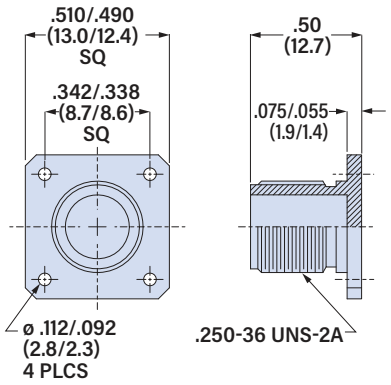
PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-072M
	Black Zinc-Nickel	650-072ZR
	Nickel-PTFE	650-072MT
	O. D. Cadmium	650-072NF
303 SST	Passivate	650-072Z1
	Electroless Nickel	650-072ZM
Brass	Electroless Nickel	650-072BM
	White Bronze	650-072WB



650-073 DUMMY RECEPTACLE FOR SMA COAX RF PLUGS

Use dummy stowage receptacle to secure and protect unused plugs. 650-073 receptacle accommodates M39012 Series SMA connectors. Aluminum, stainless steel or brass.

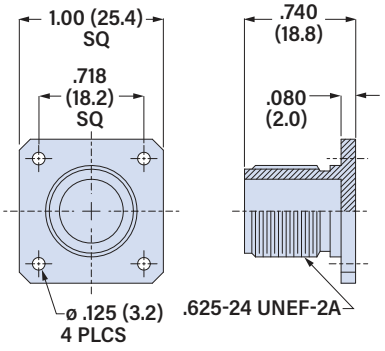
PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-073M
	Black Zinc-Nickel	650-073ZR
	Nickel-PTFE	650-073MT
	O. D. Cadmium	650-073NF
303 SST	Passivate	650-073Z1
	Electroless Nickel	650-073ZM
Brass	Electroless Nickel	650-073BM
	White Bronze	650-073WB



650-074 DUMMY RECEPTACLE FOR TYPE N DELTA COAX RF PLUGS

Use dummy stowage receptacle to secure and protect unused plugs. 650-074 receptacle accommodates Delta Type N RF connectors. Aluminum, stainless steel or brass.

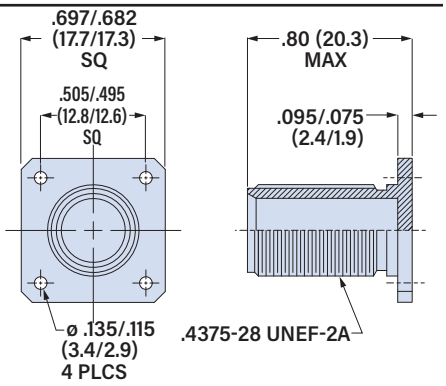
PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-074M
	Black Zinc-Nickel	650-074ZR
	Nickel-PTFE	650-074MT
	O. D. Cadmium	650-074NF
303 SST	Passivate	650-074Z1
	Electroless Nickel	650-074ZM
Brass	Electroless Nickel	650-074BM
	White Bronze	650-074WB



650-075 DUMMY RECEPTACLE FOR TNC COAX RF PLUGS

Use dummy stowage receptacle to secure and protect unused plugs. 650-075 receptacle accommodates M39012 Series TNC RF connectors. Aluminum, stainless steel or brass.

PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-075M
	Black Zinc-Nickel	650-075ZR
	Nickel-PTFE	650-075MT
	O. D. Cadmium	650-075NF
303 SST	Passivate	650-075Z1
	Electroless Nickel	650-075ZM
Brass	Electroless Nickel	650-075BM
	White Bronze	650-075WB



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Series 65 Dummy Receptacles

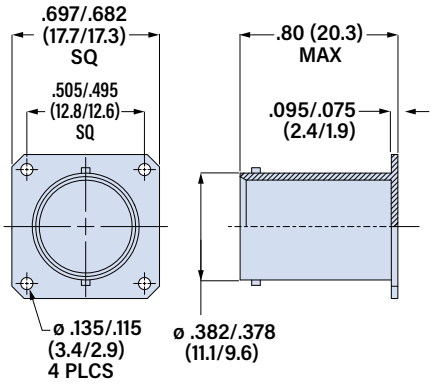
for BNC Coax RF Plugs

650-076

650-076 DUMMY RECEPTACLE FOR BNC COAX RF PLUGS

Use dummy stowage receptacle to secure and protect unused plugs. 650-076 receptacle accommodates M39012 Series BNC RF connectors. Aluminum, stainless steel or brass.

PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-076M
	Black Zinc-Nickel	650-076ZR
	Nickel-PTFE	650-076MT
	O. D. Cadmium	650-076NF
303 SST	Passivate	650-076Z1
	Electroless Nickel	650-076ZM
Brass	Electroless Nickel	650-076BM
	White Bronze	650-076WB



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Series 66 Protective Covers

Selection Guide

Series 66 Connector Covers

Series 66 Covers protect connectors from moisture, debris and mechanical damage. These covers fit standard mil spec circular electrical connectors, Glenair Series 80 Mighty Mouse, Series 233 SuperNine, Series 806 Mil-Aero and Series 970 PowerTrip connectors.

Spring-loaded **661 Series** EMI receptacle covers feature conductive gaskets and are available for bayonet and breech-lock connectors.

Spring-loaded **ProSeal™** receptacle covers feature gimballed, self-aligning lids with silicone gaskets. ProSeal covers are available in two versions: flip lid for IP67 ingress protection, and threaded flip-and-spin lid for IP68 and IPX6 water jet protection.

Attachment choices include wire rope lanyards, sash chain, bead chain, and nylon cord. End fittings include stainless steel eyelets and rings in dozens of sizes.

AS50151 MIL-DTL-5015	Plug Cover **660-004** Page 66-4	Plug Cover Composite **660-045** Page 66-5	Receptacle Cover **660-005** Page 66-6	Receptacle Cover Composite **660-046** Page 66-7
	Receptacle Cover ProSeal Flip & Spin Lid **667-450** Page 66-8	Receptacle Cover ProSeal Flip Lid **667-451** Page 66-8		
MIL-DTL-26482	Plug Cover **660-008** Page 66-9	Receptacle Cover **660-009** Page 66-10	Receptacle Cover Spring-Loaded EMI **661-001** Page 66-11	Receptacle Cover ProSeal Flip Lid **667-472** Page 66-12
MIL-DTL-28840	Plug Cover **660-010** Page 66-13	Receptacle Cover **660-011** Page 66-14		
MIL-DTL-38999 Series I	Plug Cover **660-012** Page 66-15	Receptacle Cover **660-013** Page 66-16	Receptacle Cover Spring-Loaded EMI **661-002** Page 66-17	Receptacle Cover ProSeal Flip Lid **667-467** Page 66-18
MIL-DTL-38999 Series II	Plug Cover **660-014** Page 66-19	Receptacle Cover **660-015** Page 66-20	Receptacle Cover Spring-Loaded EMI **661-003** Page 66-21	Receptacle Cover ProSeal Flip Lid **667-447** Page 66-22

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Series 66 Protective Covers

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Receptacle Cover Self-Locking
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Receptacle Cover Composite Self-Locking
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Receptacle Cover ProSeal Flip Lid
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Receptacle Cover ProSeal Flip & Spin Lid
667-448
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MIL-DTL-38999 Series IV

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Receptacle Cover
660-031
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Receptacle Cover Spring-Loaded EMI
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MIL-DTL-83723 Series III

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Receptacle Cover Bayonet
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Receptacle Cover Threaded
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Receptacle Cover, Bayonet, EMI
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Series 800 Mighty Mouse

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Receptacle Cover
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Series 801 Mighty Mouse

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Receptacle Cover
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Receptacle Cover ProSeal Flip Lid
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Receptacle Cover ProSeal Flip & Spin Lid
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Receptacle Cover ProSeal Flip Lid
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Receptacle Cover ProSeal Flip & Spin Lid
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Series 970 PowerTrip

Plug Cover
660PS097
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Series 66 Protective Covers

for AS50151 Connectors

660-004 Plug Cover

5015 Plug Cover

660-004 protective cover fits AS50151 threaded plug connectors, including MS3106, MS3108, MS3456, and MS3459. Aluminum or stainless steel, with stainless steel fittings.

PART NUMBER

	660-004	M	18	G	5	-09
Base P/N	**660-004**					
Material/Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24 28 32 36 40 48					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

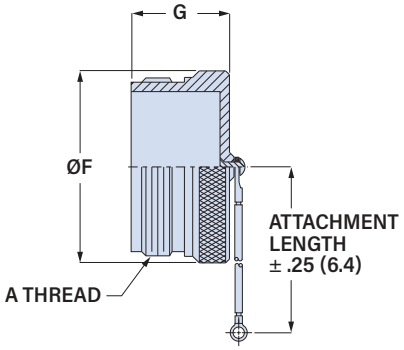
H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

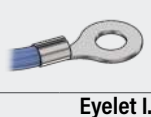
T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C



Shell Size	A Thread Class 2A	F Max In.	F Max mm.	G Max In.	G Max mm.
08	.500-28 UNEF	.562	14.3	.656	16.7
10	.625-24 UNEF	.687	17.4	.656	16.7
12	.750-20 UNEF	.812	20.6	.844	21.4
14	.875-20 UNEF	.937	23.8	.844	21.4
16	1.00-20 UNEF	1.062	27.0	.844	21.4
18	1.125-18 UNEF	1.187	30.1	.844	21.4
20	1.250-18 UNEF	1.312	33.3	.844	21.4
22	1.375-18 UNEF	1.437	36.5	.844	21.4
24	1.500-16 UNEF	1.562	39.7	.844	21.4
28	1.750-18 UNS	1.812	46.0	.844	21.4
32	2.000-18 UNS	2.062	52.4	.844	21.4
36	2.250-16 UN	2.312	58.7	.844	21.4
40	2.500-16 UN	2.562	65.1	.844	21.4
44	2.750-16 UN	2.812	71.4	.844	21.4
48	3.000-16 UN	3.062	77.8	.844	21.4

TABLE 3 ATTACHMENT RING



EYELET Code	EYELET Eyelet I.D. ± .010 (0.3)	STYLE A RING Code	STYLE A RING Ring I.D. ± .015 (0.4)	STYLE B RING Code	STYLE B RING Ring I.D. ± .015 (0.4)	SPLIT RING Code	SPLIT RING Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for AS50151 Connectors

660-045 Plug Cover, Composite

5015 Plug Cover

Corrosion-proof composite. 660-045 protective cover fits AS50151 threaded plug connectors. High performance thermoplastic, with stainless steel fittings.

PART NUMBER

	660-045	XB	18	H	5	-09
Base P/N	**660-045**					
Finish	*See Table 1*					
Shell Size	**08 10 12 14 16 18 20 22 24 28 32 36 40 48**					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 FINISH

XB	No Finish, Black Color
XM	Electroless Nickel
XMT	Nickel-PTFE
XO	No Finish, Natural Amber Color
XW	Olive Drab Cadmium
XZR	Zinc-Nickel, Black

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	A Thread Class 2A	ø B Max In.	ø B Max mm.	C Max In.	C Max mm.
08	.500-28 UNEF	.562	14.3	.656	16.7
10	.625-24 UNEF	.687	17.4	.656	16.7
12	.750-20 UNEF	.812	20.6	.844	21.4
14	.875-20 UNEF	.937	23.8	.844	21.4
16	1.00-20 UNEF	1.062	27.0	.844	21.4
18	1.125-18 UNEF	1.187	30.1	.844	21.4
20	1.250-18 UNEF	1.312	33.3	.844	21.4
22	1.375-18 UNEF	1.437	36.5	.844	21.4
24	1.500-16 UNEF	1.562	39.7	.844	21.4
28	1.750-18 UNS	1.812	46.0	.844	21.4
32	2.000-18 UNS	2.062	52.4	.844	21.4
36	2.250-16 UN	2.312	58.7	.844	21.4
40	2.500-16 UN	2.562	65.1	.844	21.4
44	2.750-16 UN	2.812	71.4	.844	21.4
48	3.000-16 UN	3.062	77.8	.844	21.4

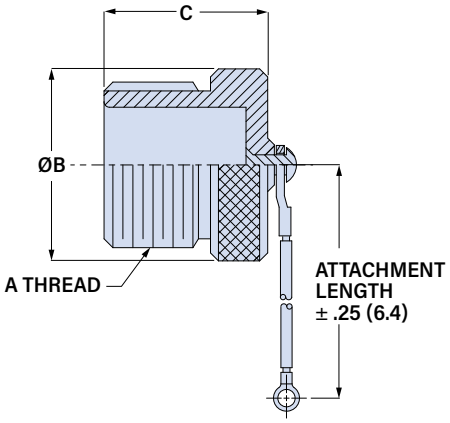
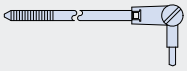


TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 66 Protective Covers

for AS50151 Connectors

660-005 Receptacle Cover

5015 Receptacle Cover

660-005 protective cover fits AS50151 threaded receptacle connectors. Aluminum or stainless steel. Stainless steel fittings, silicone gasket.

PART NUMBER

	660-005	NF	32	S	4	-05
Base P/N	**660-005**					
Material/Finish	*See Table 1*					
Shell Size	**08 10 12 14 16 18 20 22 24 28 32 36 40 48**					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	A Thread Class 2B	ø H Max In.	ø H Max mm.	J Max In.	J Max mm.
08	.500-28 UNEF	.688	17.5	.465	11.8
10	.625-24 UNEF	.815	20.7	.465	11.8
12	.750-20 UNEF	1.000	25.4	.465	11.8
14	.875-20 UNEF	1.125	28.6	.465	11.8
16	1.00-20 UNEF	1.188	30.2	.465	11.8
18	1.125-18 UNEF	1.344	34.1	.465	11.8
20	1.250-18 UNEF	1.469	37.3	.465	11.8
22	1.375-18 UNEF	1.594	40.5	.465	11.8
24	1.500-18 UNEF	1.719	43.7	.465	11.8
28	1.750-18 UNS	1.969	50.0	.531	13.5
32	2.000-18 UNS	2.219	56.4	.531	13.5
36	2.250-16 UN	2.469	62.7	.531	13.5
40	2.500-16 UN	2.719	69.1	.531	13.5
44	2.750-16 UN	2.969	75.4	.531	13.5
48	3.000-16 UN	3.188	81.0	.531	13.5

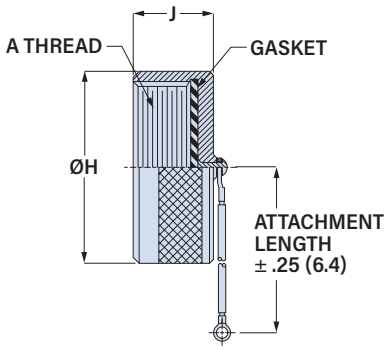

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Dimensions in Inches (millimeters) are subject to change without notice.
Rev. 09.07.23

Series 66 Protective Covers

for AS50151 Connectors

660-046 Receptacle Cover, Composite

5015 Receptacle Cover

Corrosion-proof composite. 660-046 protective cover fits AS50151 threaded receptacle connectors. High performance thermoplastic, with stainless steel fittings.

PART NUMBER

	660-046	XB	18	H	5	-09
Base P/N	**660-046**					
Finish	*See Table 1*					
Shell Size	**08 10 12 14 16 18 20 22 24 28 32 36 40 48**					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 FINISH

XB	No Finish, Black Color
XM	Electroless Nickel
XMT	Nickel-PTFE
XO	No Finish, Natural Amber Color
XW	Olive Drab Cadmium
XZR	Zinc-Nickel, Black

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	A Thread Class 2B	ø B Max In.	ø B Max mm.	C Max In.	C Max mm.
08	.500-28 UNEF	.688	17.5	.465	11.8
10	.625-24 UNEF	.812	20.6	.465	11.8
12	.750-20 UNEF	1.000	25.4	.465	11.8
14	.875-20 UNEF	1.125	28.6	.465	11.8
16	1.00-20 UNEF	1.188	30.2	.465	11.8
18	1.125-18 UNEF	1.344	34.1	.465	11.8
20	1.250-18 UNEF	1.469	37.3	.465	11.8
22	1.375-18 UNEF	1.594	40.5	.465	11.8
24	1.500-16 UNEF	1.719	34.7	.465	11.8
28	1.750-18 UNS	1.969	50.0	.531	13.5
32	2.000-18 UNS	2.219	56.4	.531	13.5
36	2.250-16 UN	2.469	62.7	.531	13.5
40	2.500-16 UN	2.719	69.1	.531	13.5
44	2.750-16 UN	2.969	75.4	.531	13.5
48	3.000-16 UN	3.188	81.0	.531	13.5

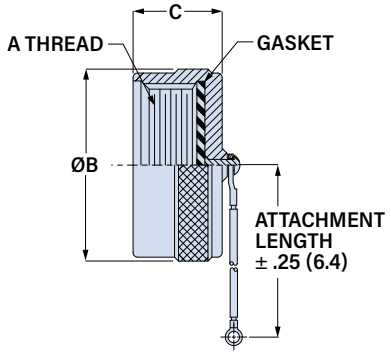

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 66 Protective Covers

for AS50151 Connectors

667-450, 667-451 ProSeal™ Flip Lid Receptacle Cover

5015 Receptacle Cover

ProSeal™ Flip-and-Spin Lid

ProSeal™ Flip Lid

Spring-loaded, waterproof. ProSeal™ cover fits AS50151 threaded receptacle connectors including MS3100, MS3102, MS3412, MS3450, and MS3452. Cover mounts onto standard connector jam nut or square flange mounting holes. Two lid styles are available: ***Flip Lid*** and ***Flip-and-Spin Lid.*** Unthreaded flip lid has torsion spring and gimballed cover for dust-tight and water-tight sealing (IP67 rating). Flip-and-spin lid has threaded cover. Snap lid onto connector face, then hand-tighten ¼ turn for IP68 ingress protection plus IPX6 high pressure water spray. -40 to +120 °C.

PART NUMBER

	667-450	C	32	T1	W	-59
Base P/N	**667-450** Flip-and-Spin Lid **667-451** Flip Lid					
Bracket Finish	*See Table 1*					
Shell Size	*See Dimensions Table below for Shell Size Code*					
Panel Thickness	**T0** Front Mount *(not applicable to jam nut mount)* **T1** .062 (1.6) +/- .030 (0.8) **T2** .125 (3.2) +/- .030 (0.8)					
Mounting Type	**J** Jam Nut *(fig. 1)* **W** Square Flange *(fig. 2)*					
Modification Code	*Mod-59 is not available for P/N 667-450* **-59** Silver-Filled Silicone EMI Gasket					

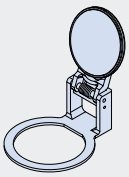
TABLE 1 BRACKET FINISH

C	Black Anodize
M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

MATERIALS AND FINISHES

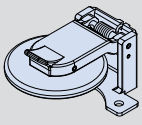
Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivit: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

Fig. **1**
Mounting Type J

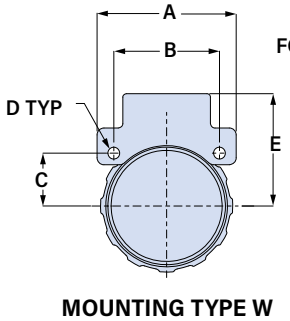


Jam Nut

Fig. **2**
Mounting Type W

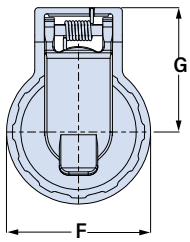


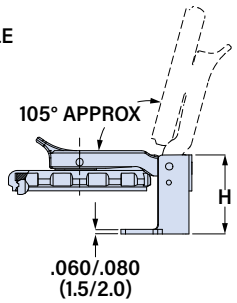
Square Flange



MOUNTING TYPE W
FOR SQUARE FLANGE RECEPTACLE

MOUNTING TYPE J
FOR JAM NUT RECEPTACLE





WHEN THE LEVER ARM IS LIFTED TO THE OPEN POSITION, IT WILL REMAIN OPEN AT APPROXIMATELY 105° FROM RECEPTACLE FACE.

Shell Size Code	Shell Size	A Max		B ±.015 (.38)		C ±.015 (.38)		D ±.008 (.20)		E Max		F ±.031 (.79)		G Max		H Max	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
01	8	.967	24.6	.594	15.1	.297	7.5	.128	3.3	.841	21.4	.890	22.6	.841	21.4	.993	25.2
02	10	1.061	26.9	.719	18.3	.360	9.1	.134	3.4	.903	22.9	.937	23.8	.893	22.7	.993	25.2
03	12	1.156	29.4	.812	20.6	.406	10.3	.134	3.4	.966	24.5	1.062	27.0	.966	24.5	1.243	31.6
04	12S	1.156	29.4	.812	20.6	.406	10.3	.134	3.4	.966	24.5	1.062	27.0	.966	24.5	.993	25.2
05	14	1.250	31.8	.906	23.0	.453	11.5	.134	3.4	1.034	26.3	1.188	30.2	1.034	26.3	1.243	31.6
06	14S	1.250	31.8	.906	23.0	.453	11.5	.134	3.4	1.034	26.3	1.188	30.2	1.034	26.3	.993	25.2
07	16	1.341	34.1	.969	24.6	.485	12.3	.134	3.4	1.113	28.3	1.375	34.9	1.133	28.8	1.243	31.6
08	16S	1.341	34.1	.969	24.6	.485	12.3	.134	3.4	1.113	28.3	1.375	34.9	1.133	28.8	.993	25.2
09	18	1.467	37.3	1.062	27.0	.531	13.5	.134	3.4	1.149	29.2	1.625	41.3	1.149	29.2	1.243	31.6
10	20	1.593	40.5	1.156	29.4	.578	14.7	.134	3.4	1.365	34.7	1.750	44.5	1.365	34.7	1.328	33.7
11	22	1.719	43.7	1.250	31.8	.625	15.9	.134	3.4	1.429	36.3	2.000	50.8	1.429	36.3	1.328	33.7
12	24	1.871	47.5	1.375	34.9	.688	17.5	.154	3.9	1.491	37.9	2.150	54.6	1.491	37.9	1.328	33.7
13	28	2.042	51.9	1.562	39.7	.781	19.8	.154	3.9	1.656	42.1	2.309	58.6	1.708	43.4	1.328	33.7
14	32	2.280	57.9	1.750	44.5	.875	22.2	.177	4.5	1.743	44.3	2.562	65.1	1.867	47.4	1.390	35.3
15	36	2.530	64.3	1.938	49.2	.969	24.6	.177	4.5	1.977	50.2	2.875	73.0	2.124	53.9	1.390	35.3
16	40	2.780	70.6	2.188	55.6	1.094	27.8	.177	4.5	2.196	55.8	3.145	79.9	2.214	56.2	1.390	35.3

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Series 66 Protective Covers

for MIL-DTL-26482 Connectors

660-008 Plug Cover

M26482 Plug Cover

660-008 protective cover fits MIL-DTL-26482 bayonet plug connectors including MS3116, MS3126, MS3474, MS3476. Also fits VG95328 plugs and Glenair IPT plugs. Aluminum or stainless steel, with stainless steel fittings and bayonet pins.

TABLE 1 MATERIAL / FINISH

Aluminum	Stainless Steel
C Black Anodize	Z1 Passivate
M Electroless Nickel	
NF Olive Drab Cadmium	
MT Nickel-PTFE	
ZR Black Zinc-Nickel	
TZ Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-008	NF	14	S	5	-09
Base P/N	660-008					
Material/Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** -00 No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	ø E In.	ø E mm.	F Max In.	F Max mm.	ø G Max In.	ø G Max mm.
08	.473	12.0	.562	14.3	.719	18.3
10	.590	15.0	.562	14.3	.844	21.4
12	.750	19.1	.562	14.3	1.000	25.4
14	.875	22.2	.562	14.3	1.125	28.6
16	1.000	25.4	.562	14.3	1.250	31.8
18	1.125	28.6	.562	14.3	1.375	34.9
20	1.250	31.8	.625	15.9	1.500	38.1
22	1.375	34.9	.625	15.9	1.625	41.3
24	1.500	38.1	.658	16.7	1.750	44.5

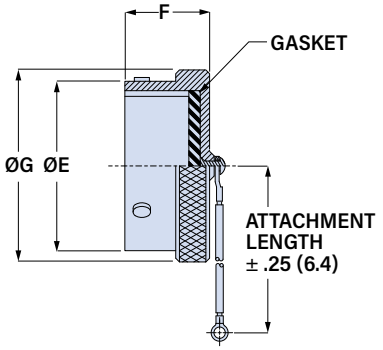
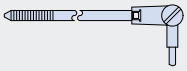


TABLE 3 ATTACHMENT RING

EYELET Code	EYELET Eyelet I.D. ± .010 (0.3)	STYLE A RING Code	STYLE A RING Ring I.D. ± .015 (0.4)	STYLE B RING Code	STYLE B RING Ring I.D. ± .015 (0.4)	SPLIT RING Code	SPLIT RING Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 66 Protective Covers

for MIL-DTL-26482 Connectors

660-009 Receptacle Cover

M26482 Receptacle Cover

660-009 protective cover fits MIL-DTL-26482 bayonet receptacles. Also fits VG95328 and Glenair IPT receptacles. Aluminum or stainless steel, with stainless steel fittings.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-009	M	18	U	5	-05
Base P/N	660-009					
Material/Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	ø H Max In.	ø H Max mm.	J Max In.	J Max mm.
08	.734	18.6	.562	14.3
10	.859	21.8	.562	14.3
12	1.000	25.4	.562	14.3
14	1.125	28.6	.562	14.3
16	1.250	31.8	.562	14.3
18	1.375	34.9	.562	14.3
20	1.500	38.1	.562	14.3
22	1.625	41.3	.562	14.3
24	1.750	44.5	.602	15.3

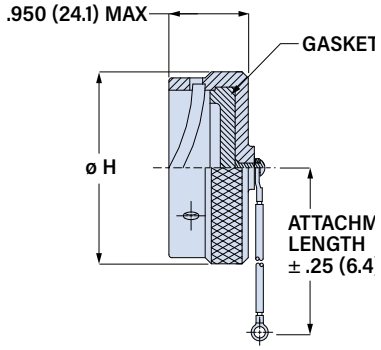
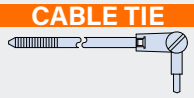


TABLE 3 ATTACHMENT RING

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-06	.125 (3.2)
-01	.140 (3.6)
-09	.156 (4.0)
-05	.167 (4.2)
-02	.182 (4.6)
-03	.191 (4.9)
-04	.197 (5.0)
-07	.218 (5.5)

CABLE TIE



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

STYLE A RING

Code	Ring I.D. ± .015 (0.4)
-095	.312 (7.9)
-100	.391 (9.9)
-101	.516 (13.1)
-103	.641 (16.3)
-104	.708 (18.0)
-105	.766 (19.5)
-106	.896 (22.8)
-107	1.016 (25.8)
-108	1.141 (29.0)
-208	1.203 (30.6)
-109	1.266 (32.2)
-110	1.391 (35.3)
-111	1.521 (38.6)
-112	1.641 (41.7)
-113	1.766 (44.9)
-114	1.891 (48.0)
-115	2.078 (52.8)
-116	2.406 (61.1)
-117	2.510 (63.8)

STYLE B RING

Code	Ring I.D. ± .015 (0.4)
-10	.593 (15.1)
-12	.718 (18.2)
-13	.765 (19.4)
-14	.844 (21.4)
-15	.890 (22.6)
-17	1.015 (25.8)
-19	1.140 (29.0)
-20	1.203 (30.6)
-21	1.265 (32.1)
-22	1.343 (34.1)
-24	1.484 (37.7)
-27	1.640 (41.7)
-29	1.765 (44.8)
-30	1.890 (48.0)
-31	1.953 (49.6)
-33	2.077 (52.8)
-36	2.187 (55.5)
-40	2.406 (61.1)
-44	2.656 (67.5)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
-50	.425 (10.8)
-52	.485 (12.3)
-54	.640 (16.3)
-56	.750 (19.1)
-58	.890 (22.6)
-60	1.015 (25.8)
-62	1.095 (27.8)
-64	1.130 (28.7)
-66	1.250 (31.8)
-68	1.350 (34.3)
-70	1.375 (34.9)
-72	1.485 (37.7)
-74	1.625 (41.3)
-76	1.750 (44.5)
-80	1.980 (50.3)
-84	2.235 (56.8)
-86	2.310 (58.7)
-88	2.475 (62.9)
-90	2.655 (67.4)

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Series 66 Protective Covers

for MIL-DTL-26482 Connectors

661-001 Receptacle Cover, Spring-Loaded EMI

M26482 EMI Receptacle Cover

661-001 protective cover fits MIL-DTL-26482 bayonet receptacles. Also fits VG95328 and Glenair IPT receptacles. EMI protected with silicone/Monel wire mesh conductive gasket. Wave spring and disk provide consistent gasket sealing across a wide tolerance range. Aluminum, with stainless steel fittings.

TABLE 1 FINISH

M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	661-001	NF	12	S	4	-05
Base P/N	661-001					
Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	ø H Max In.	ø H Max mm.
08	.734	18.6
10	.859	21.8
12	1.000	25.4
14	1.125	28.6
16	1.250	31.8
18	1.375	34.9
20	1.500	38.1
22	1.625	41.3
24	1.750	44.5

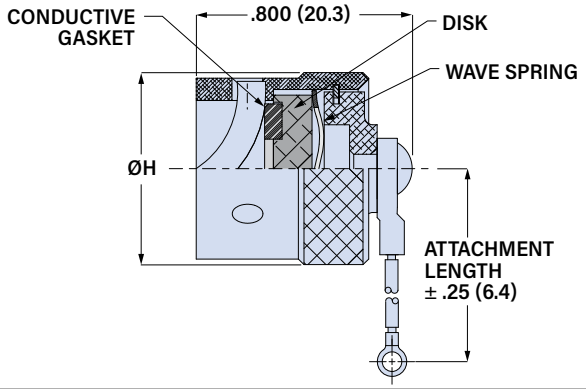
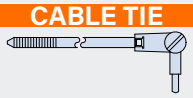


TABLE 3 ATTACHMENT RING

EYELET Code	EYELET Eyelet I.D. ± .010 (0.3)	STYLE A RING Code	STYLE A RING Ring I.D. ± .015 (0.4)	STYLE B RING Code	STYLE B RING Ring I.D. ± .015 (0.4)	SPLIT RING Code	SPLIT RING Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-26482 Connectors

667-472 ProSeal™ Flip Lid Receptacle Cover

M26482 Receptacle Cover

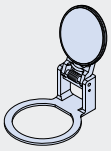
Spring-loaded, waterproof. ProSeal™ flip lid fits MIL-DTL-26482 bayonet receptacles. Fits standard connector jam nut or square flange mounting holes. Snap lid onto connector face for dust-tight and water-tight seal (IP67 rating). Lid remains in open position when fully raised. -40 to +120 °C.

TABLE 1 BRACKET FINISH

C	Black Anodize
M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

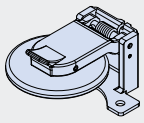
MOUNTING TYPE

1 Mounting Type J



Jam Nut

2 Mounting Type W



Square Flange

H DIMENSION

Panel Thickness Code		Shell Size	H Dim. Bracket Height Type J Jam Nut In.	Type J Jam Nut mm.	Type W Square Flange In.	Type W Square Flange mm.
T0	Front Mount	08-18	N/A	N/A	.718	18.2
		20-22	N/A	N/A	.946	24.0
		24	N/A	N/A	.987	25.1
T1	.031 ± .005	08-18	.935	23.7	.656	16.7
	.062 ± .030 (1.6 ± 0.8)	20-22	1.238	31.4	.876	22.3
		24	1.341	34.1	.925	23.5
T2	.125 ± .030 (3.2 ± 0.8)	08-18	.875	22.2	N/A	N/A
		20-22	1.178	29.9	.814	20.7
		24	1.281	32.5	.863	21.9

MATERIALS AND FINISHES

Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivit: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

PART NUMBER

	667-472	C	18	T1	W	-59

Base P/N 667-472

Bracket Finish *See Table 1*

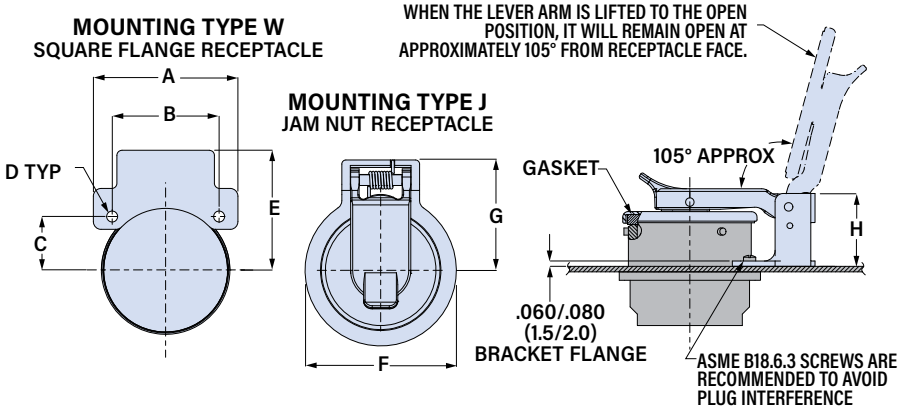
Shell Size 08 10 12 14 16 18 20 22 24

Panel Thickness

Panel Thickness Code	Square Flange Shell Size 08-18	Square Flange Shell Size 20-24	Jam Nut Shell Size 08-18	Jam Nut Shell Size 20-24
T0	.000 (Front Mount)		N/A	
T1	.031 ± .005 (0.8 ± 0.1)	.062 ± .030 (1.6 ± 0.8)	.031 ± .005 (0.8 ± 0.1)	.062 ± .030 (1.6 ± 0.8)
T2	N/A	.125 ± .030 (3.2 ± 0.8)	.125 ± .030 (3.2 ± 0.8)	.125 ± .030 (3.2 ± 0.8)

Mounting Type
J Jam Nut *(fig. 1)*
W Square Flange *(fig. 2)*

Modification Code
Omit for standard silicone gasket
-59 Silver-Filled Silicone EMI Gasket



Shell Size	A Max in	A Max mm	B ± .015 (0.4) In.	B ± .015 (0.4) mm.	C ± .015 (0.4) In.	C ± .015 (0.4) mm.	D ± .010 (0.3) In.	D ± .010 (0.3) mm.	E Max In.	E Max mm.	F ±.031 (.8) In.	F ±.031 (.8) mm.	G Max In.	G Max mm.
08	.967	24.6	.594	15.0	.297	7.5	.120	3.0	.841	21.4	1.031	26.2	.841	21.4
10	1.061	27.0	.719	18.3	.360	9.1	.120	3.0	.903	22.9	1.031	26.2	.841	21.4
12	1.156	29.4	.812	20.6	.406	10.3	.120	3.0	.966	24.5	1.299	33.0	.966	24.5
14	1.250	31.8	.906	23.0	.453	11.5	.120	3.0	1.034	26.3	1.375	34.9	1.028	26.1
16	1.341	33.9	.969	24.6	.485	12.3	.120	3.0	1.113	28.3	1.560	39.6	1.113	28.3
18	1.467	37.3	1.062	27.0	.531	13.5	.120	3.0	1.149	29.2	1.625	41.3	1.149	29.2
20	1.593	40.5	1.156	29.4	.578	14.7	.120	3.0	1.365	34.7	1.750	44.5	1.365	34.7
22	1.719	43.7	1.250	31.8	.625	15.9	.120	3.0	1.429	36.3	2.000	50.8	1.429	36.3
24	1.871	47.5	1.375	34.9	.688	17.5	.147	3.7	1.491	37.9	2.150	54.6	1.491	37.9

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Series 66 Protective Covers

for MIL-DTL-28840 Connectors

660-010 Plug Cover

M28840 Plug Cover

660-010 protective cover fits MIL-DTL-28840 plug connectors. Aluminum or stainless steel, with stainless steel fittings.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel	ZU	Black Cadmium
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel. Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-010	NF	D	S	5	-04
Base P/N	660-010					
Material/Finish	*See Table 1*					
Shell Size	Shell Size (Ref.) 11 13 15 17 19 23 25 29 33 / Size Code A B C D E F G H J					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	A Thread Class 2A	F Max In.	F Max mm.
11 (A)	.750-.1P-.2L-D.S.	1.028	26.1
13 (B)	.875-.1P-.2L-D.S.	1.141	29.0
15 (C)	1.062-.1P-.2L-D.S	1.263	32.1
17 (D)	1.125-.1P-.2L-D.S.	1.387	35.2
19 (E)	1.312-.1P-.2L-D.S.	1.513	38.4
23 (F)	1.500-.1P-.2L-D.S.	1.703	43.3
25 (G)	1.625-.1P-.2L-D.S.	1.825	46.4
29 (H)	1.812-.1P-.2L-D.S.	2.143	54.4
33 (J)	2.000-.1P-.2L-D.S.	2.329	59.2

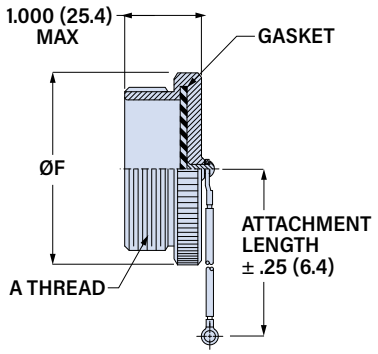
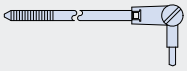


TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 66 Protective Covers

for MIL-DTL-28840 Connectors

660-011 Receptacle Cover

M28840 Receptacle Cover

660-011 protective cover fits MIL-DTL-28840 receptacle connectors. Aluminum or stainless steel, with stainless steel fittings and bayonet pins.

PART NUMBER

	660-011	NF	D	S	5	-04
Base P/N	660-011					
Material/Finish	*See Table 1*					
Shell Size	Shell Size (Ref.) 11 13 15 17 19 23 25 29 33 Size Code A B C D E F G H J					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 MATERIAL / FINISH

Aluminum	Stainless Steel
C Black Anodize	Z1 Passivate
M Electroless Nickel	ZU Black Cadmium
NF Olive Drab Cadmium	
MT Nickel-PTFE	
ZR Black Zinc-Nickel	
TZ Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	A Thread Class 2B	F Max In.	F Max mm.
11 (A)	.750-.1P-.2L-D.S.	1.028	26.1
13 (B)	.875-.1P-.2L-D.S.	1.141	29.0
15 (C)	1.062-.1P-.2L-D.S	1.263	32.1
17 (D)	1.125-.1P-.2L-D.S.	1.387	35.2
19 (E)	1.312-.1P-.2L-D.S.	1.513	38.4
23 (F)	1.500-.1P-.2L-D.S.	1.703	43.3
25 (G)	1.625-.1P-.2L-D.S.	1.825	46.4
29 (H)	1.812-.1P-.2L-D.S.	2.143	54.4
33 (J)	2.000-.1P-.2L-D.S.	2.329	59.2

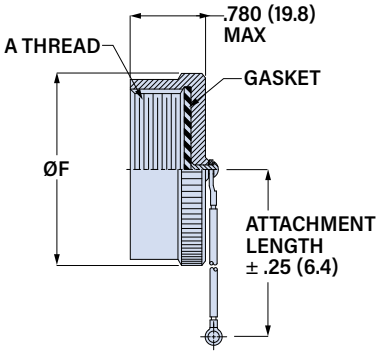

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series I Connectors

660-012 Plug Cover

M38999/I Plug Cover

660-012 protective cover fits MIL-DTL-38999 Series I scoop-proof bayonet plug connectors including MS27467. Aluminum or stainless steel, with stainless steel fittings and bayonet pins. Silicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum	Stainless Steel
C Black Anodize	Z1 Passivate
M Electroless Nickel	
NF Olive Drab Cadmium	
MT Nickel-PTFE	
ZR Black Zinc-Nickel	
TZ Tin-Zinc	

PART NUMBER

	660-012	NF	13	H	4	-60
Base P/N	660-012					
Material/Finish	*See Table 1*					
Shell Size	09 11 13 15 17 19 21 23 25					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** -00 No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	ø F ± .015 (0.4) In.	ø F ± .015 (0.4) mm.	ø G Max In.	ø G Max mm.
09	.572	14.5	.820	20.8
11	.700	17.8	.940	23.9
13	.850	21.6	1.070	27.3
15	.975	24.8	1.190	30.2
17	1.100	27.9	1.320	33.5
19	1.207	30.7	1.440	36.5
21	1.332	33.8	1.570	39.9
23	1.457	37.0	1.690	42.9
25	1.582	40.2	1.820	46.2

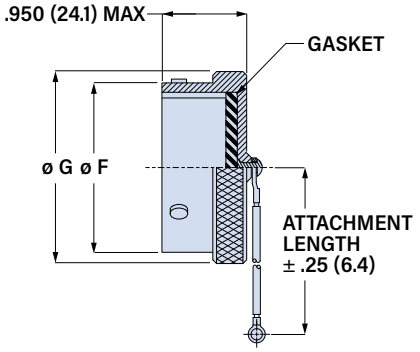
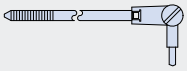


TABLE 3 ATTACHMENT RING

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-06	.125 (3.2)
-01	.140 (3.6)
-09	.156 (4.0)
-05	.167 (4.2)
-02	.182 (4.6)
-03	.191 (4.9)
-04	.197 (5.0)
-07	.218 (5.5)

CABLE TIE



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

STYLE A RING

Code	Ring I.D. ± .015 (0.4)
-095	.312 (7.9)
-100	.391 (9.9)
-101	.516 (13.1)
-103	.641 (16.3)
-104	.708 (18.0)
-105	.766 (19.5)
-106	.896 (22.8)
-107	1.016 (25.8)
-108	1.141 (29.0)
-208	1.203 (30.6)
-109	1.266 (32.2)
-110	1.391 (35.3)
-111	1.521 (38.6)
-112	1.641 (41.7)
-113	1.766 (44.9)
-114	1.891 (48.0)
-115	2.078 (52.8)
-116	2.406 (61.1)
-117	2.510 (63.8)

STYLE B RING

Code	Ring I.D. ± .015 (0.4)
-10	.593 (15.1)
-12	.718 (18.2)
-13	.765 (19.4)
-14	.844 (21.4)
-15	.890 (22.6)
-17	1.015 (25.8)
-19	1.140 (29.0)
-20	1.203 (30.6)
-21	1.265 (32.1)
-22	1.343 (34.1)
-24	1.484 (37.7)
-27	1.640 (41.7)
-29	1.765 (44.8)
-30	1.890 (48.0)
-31	1.953 (49.6)
-33	2.077 (52.8)
-36	2.187 (55.5)
-40	2.406 (61.1)
-44	2.656 (67.5)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
-50	.425 (10.8)
-52	.485 (12.3)
-54	.640 (16.3)
-56	.750 (19.1)
-58	.890 (22.6)
-60	1.015 (25.8)
-62	1.095 (27.8)
-64	1.130 (28.7)
-66	1.250 (31.8)
-68	1.350 (34.3)
-70	1.375 (34.9)
-72	1.485 (37.7)
-74	1.625 (41.3)
-76	1.750 (44.5)
-80	1.980 (50.3)
-84	2.235 (56.8)
-86	2.310 (58.7)
-88	2.475 (62.9)
-90	2.655 (67.4)

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Series 66 Protective Covers

for MIL-DTL-38999 Series I Connectors

660-013 Receptacle Cover

M38999/I Receptacle Cover

660-013 protective cover fits MIL-DTL-38999 Series I scoop-proof bayonet receptacles including MS27466, MS27468, MS27469, MS27470, MS27471, MS27496 and MS27505. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-013	ZR	17	D	4	-06
Base P/N	**660-013**					
Material/Finish	*See Table 1*					
Shell Size	**09 11 13 15 17 19 21 23 25**					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	ø H Max In.	ø H Max mm.
09	.844	21.4
11	.968	24.6
13	1.125	28.6
15	1.250	31.8
17	1.406	35.7
19	1.500	38.1
21	1.625	41.3
23	1.750	44.5
25	1.875	47.6

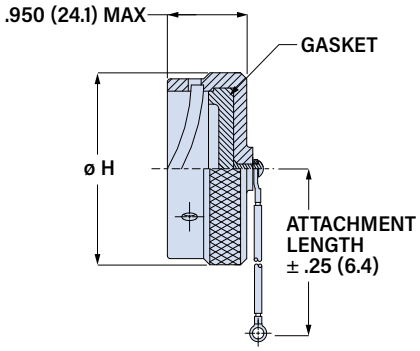
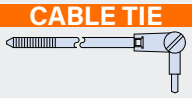


TABLE 3 ATTACHMENT RING

EYELET Code	EYELET Eyelet I.D. ± .010 (0.3)	STYLE A RING Code	STYLE A RING Ring I.D. ± .015 (0.4)	STYLE B RING Code	STYLE B RING Ring I.D. ± .015 (0.4)	SPLIT RING Code	SPLIT RING Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series I Connectors

661-002 Receptacle Cover, Spring-Loaded EMI

M38999/I EMI Receptacle Cover

661-002 protective cover fits MIL-DTL-38999 Series I scoop-proof bayonet receptacles including MS27466, MS27468, MS27469, MS27470, MS27471, MS27496 and MS27505. EMI protected with silicone/Monel wire mesh conductive gasket. Wave spring and disk provide consistent gasket sealing. Aluminum cover. Hardware, rivits, wave spring and screws are passivated stainless steel. Conductive EMI gasket is silicone with embedded Monel wire mesh and is rated for -65 to +200 °C.

TABLE 1 FINISH

M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	661-002	NF	09	U	6	-05
Base P/N	**661-002**					
Finish	*See Table 1*					
Shell Size	**09 11 13 15 17 19 21 23 25**					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	ø H Max In.	ø H Max mm.
09	.844	21.4
11	.975	24.8
13	1.125	28.6
15	1.250	31.8
17	1.406	35.7
19	1.500	38.1
21	1.625	41.3
23	1.750	44.5
25	1.875	47.6

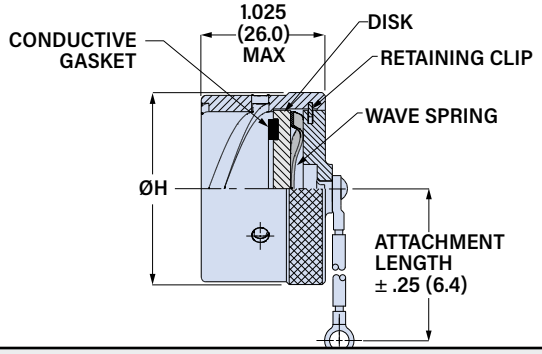

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series I Connectors

667-467 ProSeal™ Flip Lid Receptacle Cover

M38999/I Receptacle Cover

Spring-loaded, waterproof. ProSeal™ flip lid fits MIL-DTL-38999 Series I scoop-proof bayonet receptacles. Fits standard connector jam nut or square flange mounting holes. Snap lid onto connector face for dust-tight and water-tight seal (IP67 rating). Lid remains in open position when fully raised. -40 to +120 °C.

TABLE 1 BRACKET FINISH

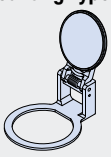
C	Black Anodize
M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

MATERIALS AND FINISHES

Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivit: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

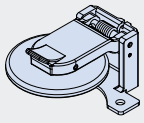
MOUNTING TYPE

1 Mounting Type J



Jam Nut

2 Mounting Type W



Square Flange

PART NUMBER

	667-467	M	17	T0	W	-59

Base P/N 667-467

Bracket Finish *See Table 1*

Shell Size 09 11 13 15 17 19 21 23 25

Panel Thickness

Panel Thickness Code	Square Flange	Jam Nut
T0	Front Mount	N/A
T1	.062 ± .030 (1.6 ± 0.8)	.062 ± .030 (1.6 ± 0.8)
T2	.125 ± .030 (3.2 ± 0.8)	N/A

Mounting Type
J Jam Nut *(fig. 1)*
W Square Flange *(fig. 2)*

Modification Code
Omit for standard silicone gasket
-59 Silver-Filled Silicone EMI Gasket

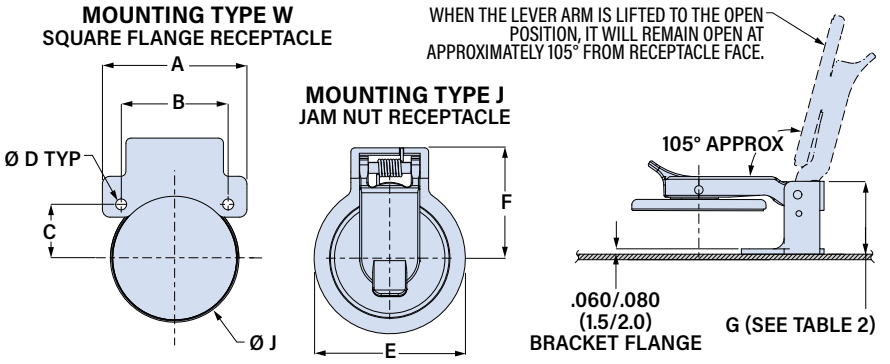


TABLE 2 G DIMENSION

Panel Thickness Code		Shell Size	G Dim. ± .06 (1.5) Type J Jam Nut In.	mm	Type W Square Flange In.	mm
T0	Front Mount	09-19	N/A	N/A	1.039	26.4
		21-25	N/A	N/A	1.094	27.8
T1	.062 ± .030 (1.6 ± 0.8)	09-19	1.041	26.4	.977	24.8
		21-25	1.126	28.6	1.032	26.2
T2	.125 ± .030 (3.2 ± 0.8)	09-19	N/A	N/A	.915	23.2
		21-25	N/A	N/A	.970	24.6

Shell Size	A Max in	A Max mm	B ± .015 (0.4) In.	B mm.	C ± .015 (0.4) In.	C mm.	D ±.008 (0.2) In.	D mm.	E ±.031 In.	E mm.	F Max In.	F Max mm.	J Max In.	J Max mm.
09	.937	23.8	.719	18.3	.360	9.1	.128	3.3	1.031	26.2	.841	21.4	.727	18.5
11	1.031	26.2	.812	20.6	.406	10.3	.128	3.3	1.125	28.6	.903	22.9	.853	21.7
13	1.126	28.6	.906	23.0	.453	11.5	.128	3.3	1.375	34.9	1.028	26.1	1.003	25.5
15	1.220	31.0	.969	24.6	.485	12.3	.128	3.3	1.560	39.6	1.113	28.3	1.128	28.7
17	1.311	33.3	1.062	27.0	.531	13.5	.128	3.3	1.625	41.3	1.149	29.2	1.253	31.8
19	1.437	36.5	1.156	29.4	.578	14.7	.128	3.3	1.750	44.5	1.365	34.7	1.360	34.5
21	1.563	39.7	1.250	31.8	.625	15.9	.128	3.3	2.000	50.8	1.429	36.3	1.485	37.7
23	1.689	42.9	1.375	34.9	.688	17.5	.128	3.3	2.150	54.6	1.491	37.9	1.610	40.9
25	1.841	46.8	1.500	38.1	.750	19.1	.128	3.3	2.218	56.3	1.656	42.1	1.735	44.1

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Series 66 Protective Covers

for MIL-DTL-38999 Series II Connectors

660-014 Plug Cover

M38999/II Plug Cover

660-014 protective cover fits MIL-DTL-38999 Series II bayonet plug connectors including MS27473 and MS27484. Aluminum or stainless steel, with stainless steel fittings and bayonet pins. Silicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum	Stainless Steel
C Black Anodize	Z1 Passivate
M Electroless Nickel	
NF Olive Drab Cadmium	
MT Nickel-PTFE	
ZR Black Zinc-Nickel	
TZ Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-014	M	18	F	5	-68
Base P/N	660-014					
Material/Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** -00 No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	ø E ± .015 (0.4) In.	mm.	ø F Max In.	mm.
08	.473	12.0	.720	18.3
10	.590	15.0	.850	21.6
12	.750	19.1	1.000	25.4
14	.875	22.2	1.130	28.7
16	1.000	25.4	1.250	31.8
18	1.125	28.6	1.380	35.1
20	1.250	31.8	1.500	38.1
22	1.375	34.9	1.630	41.4
24	1.500	38.1	1.750	44.5

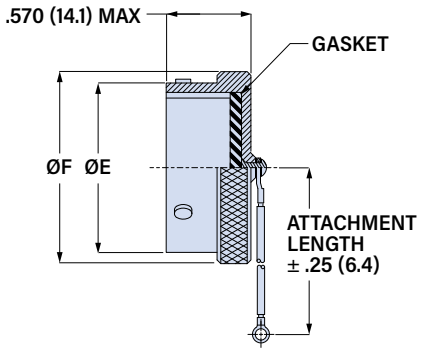

TABLE 3 ATTACHMENT RING

EYELET Code	Eyelet I.D. ± .010 (0.3)	STYLE A RING Code	Ring I.D. ± .015 (0.4)	STYLE B RING Code	Ring I.D. ± .015 (0.4)	SPLIT RING Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series II Connectors

660-015 Receptacle Cover

M38999/II Receptacle Cover

660-015 protective cover fits MIL-DTL-38999 Series II bayonet receptacles including MS27472, MS27473, MS27474, MS27475, MS27476, MS27477, MS27478, and MS27479. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-015	ZR	16	D	4	-06
Base P/N	660-015					
Material/Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	ø G Max In.	mm.
08	.720	18.3
10	.850	21.6
12	1.000	25.4
14	1.130	28.7
16	1.250	31.8
18	1.380	35.1
20	1.500	38.1
22	1.630	41.4
24	1.750	44.5

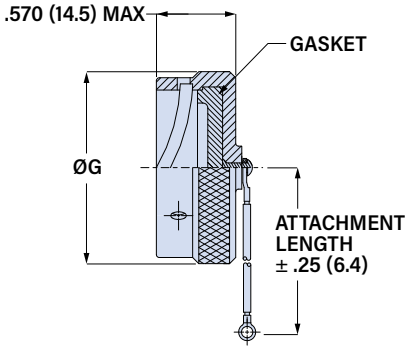
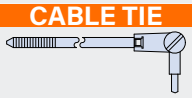


TABLE 3 ATTACHMENT RING

EYELET Code	EYELET Eyelet I.D. ± .010 (0.3)	STYLE A RING Code	STYLE A RING Ring I.D. ± .015 (0.4)	STYLE B RING Code	STYLE B RING Ring I.D. ± .015 (0.4)	SPLIT RING Code	SPLIT RING Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series II Connectors

661-003 Receptacle Cover, Spring-Loaded EMI

M38999/II EMI Receptacle Cover

661-003 protective cover fits Series II bayonet receptacles including MS27472, MS27473, MS27474, MS27475, MS27476, MS27477, MS27478, and MS27479. EMI protected with silicone/Monel wire mesh conductive gasket. Wave spring and disk provide consistent gasket sealing. Aluminum or stainless steel. Hardware, rivits, wave spring and screws are passivated stainless steel. Conductive EMI gasket is silicone with embedded Monel wire mesh and is rated for -65 to +200 °C.

TABLE 1 FINISH

M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	661-003	ZR	16	F	4	-01
Base P/N	661-003					
Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** -00 No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	ø H Max In.	mm.
08	.719	18.3
10	.812	20.6
12	1.000	25.4
14	1.125	28.6
16	1.250	31.8
18	1.375	34.9
20	1.500	38.1
22	1.625	41.3
24	1.750	44.5

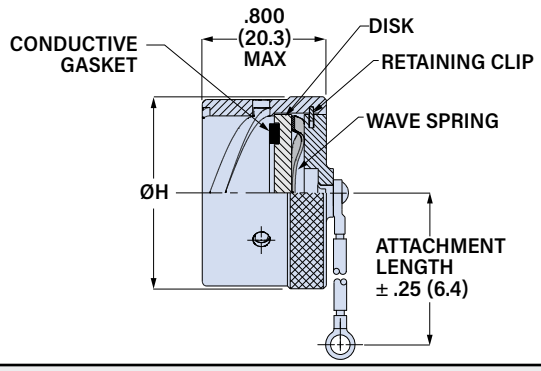

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series II Connectors

667-447 ProSeal™ Flip Lid Receptacle Cover

M38999/II Receptacle Cover

Spring-loaded, waterproof. ProSeal™ flip lid fits MIL-DTL-38999 Series II bayonet receptacles. Fits standard connector jam nut or square flange mounting holes. Gimballed lid snaps onto connector face for dust-tight and water-tight seal (IP67 rating). Lid remains in open position when fully raised. -40 to +120 °C.

TABLE 1 BRACKET FINISH

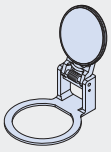
C	Black Anodize
M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

MATERIALS AND FINISHES

Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivet: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

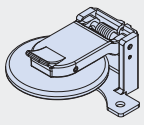
MOUNTING TYPE

1 Mounting Type **J**



Jam Nut

2 Mounting Type **W**

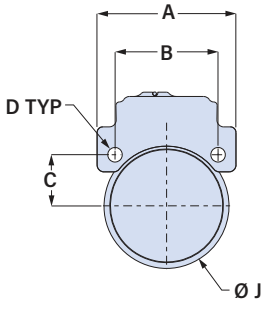


Square Flange

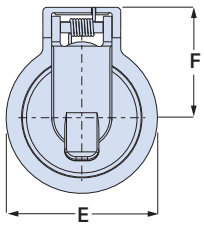
PART NUMBER

	667-447	M	16	T0	W	-59
Base P/N	667-447					
Bracket Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Panel Thickness	T0 Front Mount *(not applicable to jam nut mount)* T1 .062 (1.6) +/- .030 (0.8)					
Mounting Type	J Jam Nut *(fig. 1)* W Square Flange *(fig. 2)*					
Modification Code	*Omit for standard silicone gasket* -59 Silver-Filled Silicone EMI Gasket					

MOUNTING TYPE W
SQUARE FLANGE RECEPTACLE



MOUNTING TYPE J
JAM NUT RECEPTACLE



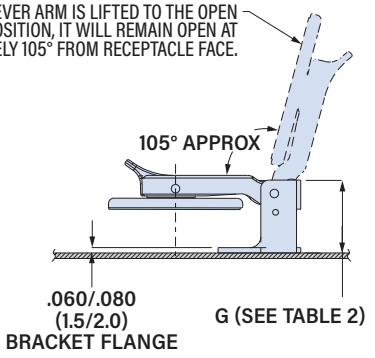


TABLE 2 G DIMENSION

Panel Thickness Code		Shell Size	G Dim. ± .06 (1.5) Type J Jam Nut In.	mm	Type W SquareFlange In.	mm
T0	Front Mount	08-18	N/A	N/A	.576	14.6
		20-24	N/A	N/A	.661	16.8
T1	.062 ± .030 (1.6 ± 0.8)	08-18	.622	15.8	.514	13.1
		20-24	.723	18.4	.599	15.2

Shell Size	A Max in	A Max mm	B ± .015 (0.4) In.	B ± .015 (0.4) mm.	C ± .015 (0.4) In.	C ± .015 (0.4) mm.	D ±.008 (0.2) In.	D ±.008 (0.2) mm.	E ±.031 (0.8) In.	E ±.031 (0.8) mm.	F ±.031 (0.8) In.	F ±.031 (0.8) mm.	ø J Max In.	ø J Max mm.
08	.967	24.6	.594	15.0	.360	9.1	.128	3.3	1.299	33.0	.936	23.8	.735	18.7
10	1.061	27.0	.719	18.3	.406	10.3	.128	3.3	1.375	34.9	.998	25.3	.860	21.8
12	1.156	29.4	.812	20.6	.453	11.5	.128	3.3	1.560	39.6	1.083	27.5	.985	25.0
14	1.250	31.8	.906	23.0	.485	12.3	.128	3.3	1.625	41.3	1.119	28.4	1.120	28.4
16	1.341	33.9	.969	24.6	.531	13.5	.128	3.3	1.750	44.5	1.335	33.9	1.280	32.5
18	1.477	37.5	1.069	27.2	.578	14.7	.128	3.3	2.000	50.8	1.399	35.5	1.343	34.1
20	1.593	40.5	1.156	29.4	.625	15.9	.128	3.3	2.150	54.6	1.461	37.1	1.466	37.2
22	1.719	43.7	1.250	31.8	.688	17.5	.154	3.9	2.309	58.6	1.678	42.6	1.593	40.5
24	1.871	47.5	1.375	34.9	.750	19.1	.154	3.9	2.309	58.6	1.678	42.6	1.718	43.6

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Series 66 Protective Covers

for MIL-DTL-38999 Series III Connectors

660-023 Plug Cover

M38999/III Plug Cover

660-023 protective cover fits MIL-DTL-38999 Series III triple-start plug connectors including D38999/26. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum	Stainless Steel
C Black Anodize	Z1 Passivate
M Electroless Nickel	
NF Olive Drab Cadmium	
MT Nickel-PTFE	
ZR Black Zinc-Nickel	
TZ Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-023	M	17	S	5	-05

Base P/N	**660-023**
Material/Finish	*See Table 1*
Shell Size	Shell: 9 11 13 15 17 19 21 23 25 Size: A B C D E F G H J Size Code: 09 11 13 15 17 19 21 23 25
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*

Shell Size	A Thread	ø F Max In.	ø F Max mm.
09 (A)	.625-0.1P-0.3L-TS-2A	.906	23.0
11 (B)	.750-0.1P-0.3L-TS-2A	1.024	26.0
13 (C)	.875-0.1P-0.3L-TS-2A	1.220	31.0
15 (D)	1.000-0.1P-0.3L-TS-2A	1.300	33.0
17 (E)	1.1875-0.1P-0.3L-TS-2A	1.457	37.0
19 (F)	1.250-0.1P-0.3L-TS-2A	1.575	40.0
21 (G)	1.375-0.1P-0.3L-TS-2A	1.732	44.0
23 (H)	1.500-0.1P-0.3L-TS-2A	1.811	46.0
25 (J)	1.625-0.1P-0.3L-TS-2A	1.969	50.0

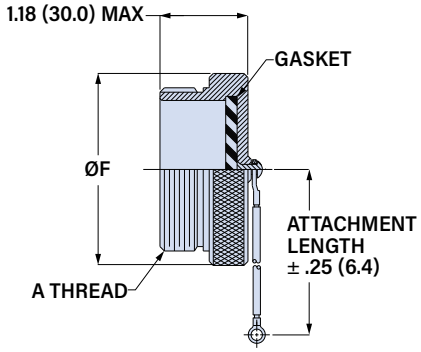
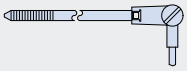


TABLE 3 ATTACHMENT RING

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-06	.125 (3.2)
-01	.140 (3.6)
-09	.156 (4.0)
-05	.167 (4.2)
-02	.182 (4.6)
-03	.191 (4.9)
-04	.197 (5.0)
-07	.218 (5.5)

CABLE TIE



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

STYLE A RING

Code	Ring I.D. ± .015 (0.4)
-095	.312 (7.9)
-100	.391 (9.9)
-101	.516 (13.1)
-103	.641 (16.3)
-104	.708 (18.0)
-105	.766 (19.5)
-106	.896 (22.8)
-107	1.016 (25.8)
-108	1.141 (29.0)
-208	1.203 (30.6)
-109	1.266 (32.2)
-110	1.391 (35.3)
-111	1.521 (38.6)
-112	1.641 (41.7)
-113	1.766 (44.9)
-114	1.891 (48.0)
-115	2.078 (52.8)
-116	2.406 (61.1)
-117	2.510 (63.8)

STYLE B RING

Code	Ring I.D. ± .015 (0.4)
-10	.593 (15.1)
-12	.718 (18.2)
-13	.765 (19.4)
-14	.844 (21.4)
-15	.890 (22.6)
-17	1.015 (25.8)
-19	1.140 (29.0)
-20	1.203 (30.6)
-21	1.265 (32.1)
-22	1.343 (34.1)
-24	1.484 (37.7)
-27	1.640 (41.7)
-29	1.765 (44.8)
-30	1.890 (48.0)
-31	1.953 (49.6)
-33	2.077 (52.8)
-36	2.187 (55.5)
-40	2.406 (61.1)
-44	2.656 (67.5)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
-50	.425 (10.8)
-52	.485 (12.3)
-54	.640 (16.3)
-56	.750 (19.1)
-58	.890 (22.6)
-60	1.015 (25.8)
-62	1.095 (27.8)
-64	1.130 (28.7)
-66	1.250 (31.8)
-68	1.350 (34.3)
-70	1.375 (34.9)
-72	1.485 (37.7)
-74	1.625 (41.3)
-76	1.750 (44.5)
-80	1.980 (50.3)
-84	2.235 (56.8)
-86	2.310 (58.7)
-88	2.475 (62.9)
-90	2.655 (67.4)

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Series 66 Protective Covers

for MIL-DTL-38999 Series III Connectors

660-049 Plug Cover, Composite

M38999/III Plug Cover

Corrosion-proof composite. 660-049 protective cover fits MIL-DTL-38999 Series III triple-start plug connectors including D38999/26. High performance thermoplastic, with stainless steel fittings.

PART NUMBER

	660-049	XM	17	H	5	-05
Base P/N	660-049					
Finish	*See Table 1*					
Shell Size	Shell Size: 9 A, 11 B, 13 C, 15 D, 17 E, 19 F, 21 G, 23 H, 25 J Size Code: 09, 11, 13, 15, 17, 19, 21, 23, 25					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					
Attachment Ring	*Omit for Attachment Types N and SK* **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 FINISH

XB	No Finish, Black Color
XM	Electroless Nickel
XMT	Nickel-PTFE
XO	No Finish, natural amber color
XW	Olive Drab Cadmium
XZR	Zinc-Nickel, Black

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	A Thread	ø B Max In.	ø B Max mm.
09 (A)	.625-0.1P-0.3L-TS-2A	.906	23.0
11 (B)	.750-0.1P-0.3L-TS-2A	1.024	26.0
13 (C)	.875-0.1P-0.3L-TS-2A	1.220	31.0
15 (D)	1.000-0.1P-0.3L-TS-2A	1.300	33.0
17 (E)	1.1875-0.1P-0.3L-TS-2A	1.457	37.0
19 (F)	1.250-0.1P-0.3L-TS-2A	1.575	40.0
21 (G)	1.375-0.1P-0.3L-TS-2A	1.732	44.0
23 (H)	1.500-0.1P-0.3L-TS-2A	1.811	46.0
25 (J)	1.625-0.1P-0.3L-TS-2A	1.969	50.0

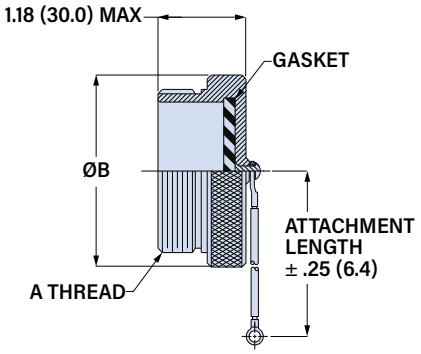
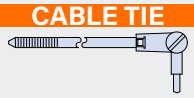


TABLE 3 ATTACHMENT RING

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-06	.125 (3.2)
-01	.140 (3.6)
-09	.156 (4.0)
-05	.167 (4.2)
-02	.182 (4.6)
-03	.191 (4.9)
-04	.197 (5.0)
-07	.218 (5.5)

CABLE TIE



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

STYLE A RING

Code	Ring I.D. ± .015 (0.4)
-095	.312 (7.9)
-100	.391 (9.9)
-101	.516 (13.1)
-103	.641 (16.3)
-104	.708 (18.0)
-105	.766 (19.5)
-106	.896 (22.8)
-107	1.016 (25.8)
-108	1.141 (29.0)
-208	1.203 (30.6)
-109	1.266 (32.2)
-110	1.391 (35.3)
-111	1.521 (38.6)
-112	1.641 (41.7)
-113	1.766 (44.9)
-114	1.891 (48.0)
-115	2.078 (52.8)
-116	2.406 (61.1)
-117	2.510 (63.8)

STYLE B RING

Code	Ring I.D. ± .015 (0.4)
-10	.593 (15.1)
-12	.718 (18.2)
-13	.765 (19.4)
-14	.844 (21.4)
-15	.890 (22.6)
-17	1.015 (25.8)
-19	1.140 (29.0)
-20	1.203 (30.6)
-21	1.265 (32.1)
-22	1.343 (34.1)
-24	1.484 (37.7)
-27	1.640 (41.7)
-29	1.765 (44.8)
-30	1.890 (48.0)
-31	1.953 (49.6)
-33	2.077 (52.8)
-36	2.187 (55.5)
-40	2.406 (61.1)
-44	2.656 (67.5)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
-50	.425 (10.8)
-52	.485 (12.3)
-54	.640 (16.3)
-56	.750 (19.1)
-58	.890 (22.6)
-60	1.015 (25.8)
-62	1.095 (27.8)
-64	1.130 (28.7)
-66	1.250 (31.8)
-68	1.350 (34.3)
-70	1.375 (34.9)
-72	1.485 (37.7)
-74	1.625 (41.3)
-76	1.750 (44.5)
-80	1.980 (50.3)
-84	2.235 (56.8)
-86	2.310 (58.7)
-88	2.475 (62.9)
-90	2.655 (67.4)

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 66 Protective Covers

for MIL-DTL-38999 Series III Connectors

660-024 Receptacle Cover

M38999/III Receptacle Cover

660-024 protective cover fits MIL-DTL-38999 Series III triple-start receptacle connectors. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

	660-024	NF	17	S	5	-05
Base P/N	660-024					
Material/Finish	*See Table 1*					
Shell Size						
Attachment Type						
Attachment Length						
Attachment Ring						

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

N No Attachment
See Table 2 for Attachment Types

Omit for Attachment Type N
Length in One Inch Increments

Omit for Attachment Types N and SK
-00 No Ring
See Table 3 for Attachment Ring Codes

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel. Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	A Thread 2B	ø F Max In.	ø F Max mm.
09 (A)	.625-0.1P-0.3L-TS	.906	23.0
11 (B)	.750-0.1P-0.3L-TS	1.102	28.0
13 (C)	.875-0.1P-0.3L-TS	1.220	31.0
15 (D)	1.000-0.1P-0.3L-TS	1.260	32.0
17 (E)	1.1875-0.1P-0.3L-TS	1.457	37.0
19 (F)	1.250-0.1P-0.3L-TS	1.535	39.0
21 (G)	1.375-0.1P-0.3L-TS	1.654	42.0
23 (H)	1.500-0.1P-0.3L-TS	1.772	45.0
25 (J)	1.625-0.1P-0.3L-TS	1.929	49.0

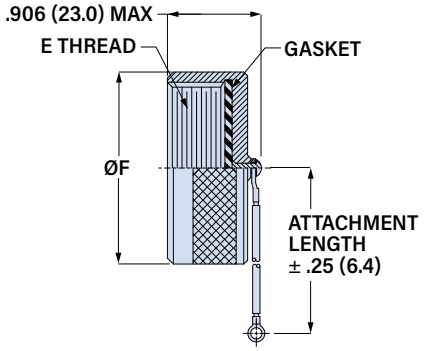
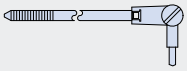


TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 66 Protective Covers

for MIL-DTL-38999 Series III Connectors

660-050 Receptacle Cover, Composite

M38999/III Receptacle Cover

Corrosion-proof composite. 660-050 protective cover fits MIL-DTL-38999 Series III triple-start receptacle connectors. High performance thermoplastic, with stainless steel fittings.

PART NUMBER

	660-050	XW	21	G	4	-01
Base P/N	660-050					
Finish	*See Table 1*					
Shell Size	Shell Size: 9 (A), 11 (B), 13 (C), 15 (D), 17 (E), 19 (F), 21 (G), 23 (H), 25 (J)					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 FINISH

XB	No Finish, Black Color
XM	Electroless Nickel
XMT	Nickel-PTFE
XO	No Finish, natural amber color
XW	Olive Drab Cadmium
XZR	Zinc-Nickel, Black

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	A Thread	ø B Max In.	ø B Max mm.
09 (A)	.625-0.1P-0.3L-TS-2B	.906	23.0
11 (B)	.750-0.1P-0.3L-TS-2B	1.024	26.0
13 (C)	.875-0.1P-0.3L-TS-2B	1.220	31.0
15 (D)	1.000-0.1P-0.3L-TS-2B	1.300	33.0
17 (E)	1.1875-0.1P-0.3L-TS-2B	1.457	37.0
19 (F)	1.250-0.1P-0.3L-TS-2B	1.575	40.0
21 (G)	1.375-0.1P-0.3L-TS-2B	1.732	44.0
23 (H)	1.500-0.1P-0.3L-TS-2B	1.811	46.0
25 (J)	1.625-0.1P-0.3L-TS-2B	1.969	50.0

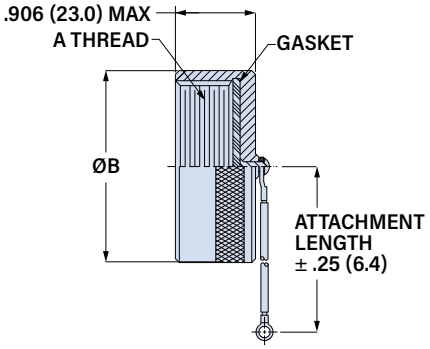

TABLE 3 ATTACHMENT RING

EYELET Code	EYELET Eyelet I.D. ± .010 (0.3)	STYLE A RING Code	STYLE A RING Ring I.D. ± .015 (0.4)	STYLE B RING Code	STYLE B RING Ring I.D. ± .015 (0.4)	SPLIT RING Code	SPLIT RING Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series III Connectors

667-024 Receptacle Cover, Self-Locking

M38999/III Receptacle Cover

Self-Locking

Self-locking. Universal keying. 667-024 protective cover fits MIL-DTL-38999 Series III triple-start receptacle connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Coupling nut and barrel are aluminum or SST. Thermoplastic detent spring, nickel-plated copper alloy ground spring, SST rivit and fittings.

TABLE 1 MATERIAL / FINISH

Aluminum	Stainless Steel
C Black Anodize	Z1 Passivate
M Electroless Nickel	
NF Olive Drab Cadmium	
MT Nickel-PTFE	
ZR Black Zinc-Nickel	
TZ Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER	667-024	M	25	H	4	-09	G

Base P/N — 667-024

Material/Finish — *See Table 1*

Shell Size

Shell Size	9 A	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	09	11	13	15	17	19	21	23	25

Attachment Type
N No Attachment
See Table 2 for Attachment Types

Attachment Length
Omit for Attachment Type N
Length in One Inch Increments

Attachment Ring
Omit for Attachment Types N and SK
-00 No Ring
See Table 3 for Attachment Ring Codes

Ground Spring
Omit for None
G Ground Spring

Shell Size	A Thread	ø B Max In.	ø B Max mm.
09 (A)	.625-0.1P-0.3L-TS-2B	.859	21.8
11 (B)	.750-0.1P-0.3L-TS-2B	.969	24.6
13 (C)	.875-0.1P-0.3L-TS-2B	1.141	29.0
15 (D)	1.000-0.1P-0.3L-TS-2B	1.266	32.2
17 (E)	1.1875-0.1P-0.3L-TS-2B	1.391	35.3
19 (F)	1.250-0.1P-0.3L-TS-2B	1.500	38.1
21 (G)	1.375-0.1P-0.3L-TS-2B	1.625	41.3
23 (H)	1.500-0.1P-0.3L-TS-2B	1.750	44.5
25 (J)	1.625-0.1P-0.3L-TS-2B	1.875	47.6

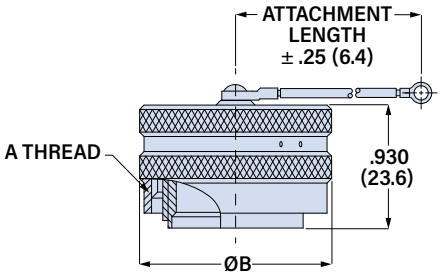

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 66 Protective Covers

for MIL-DTL-38999 Series III Connectors

660-121 Receptacle Cover, Self-Locking, Composite

M38999/III Receptacle Cover

Self-Locking Composite

Self-locking. Corrosion-proof composite. 660-121 protective cover fits MIL-DTL-38999 Series III triple-start receptacle connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Thermoplastic coupling nut and barrel. Thermoplastic detent spring, nickel-plated copper alloy ground spring, SST rivet and fittings.

TABLE 1 FINISH

Finish Code applies to barrel only. Coupling nut is unplated black thermoplastic.

XB	No Finish, Black Color
XM	Electroless Nickel
XMT	Nickel-PTFE
XW	Olive Drab Cadmium

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel. Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-121	XB	13	H	4	-09	G

Base P/N — 660-121

Finish — *See Table 1*

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Attachment Type
N No Attachment
See Table 2 for Attachment Types

Attachment Length
Omit for Attachment Type N
Length in One Inch Increments

Attachment Ring
Omit for Attachment Types N and SK
-00 No Ring
See Table 3 for Attachment Ring Codes

Ground Spring
Omit for None. Ground spring not available with Finish Code XB
G Ground Spring

Shell Size	A Thread	ø B Max In.	ø B Max mm.
09 (A)	.625-0.1P-0.3L-TS-2B	.858	21.8
11 (B)	.750-0.1P-0.3L-TS-2B	.984	25.0
13 (C)	.875-0.1P-0.3L-TS-2B	1.157	29.4
15 (D)	1.000-0.1P-0.3L-TS-2B	1.279	32.5
17 (E)	1.1875-0.1P-0.3L-TS-2B	1.405	35.7
19 (F)	1.250-0.1P-0.3L-TS-2B	1.515	38.5
21 (G)	1.375-0.1P-0.3L-TS-2B	1.641	41.7
23 (H)	1.500-0.1P-0.3L-TS-2B	1.767	44.9
25 (J)	1.625-0.1P-0.3L-TS-2B	1.889	48.0

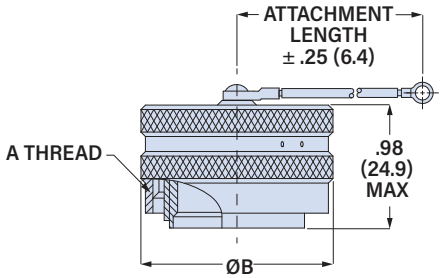
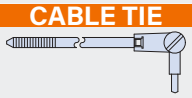


TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series III Connectors

667-448, 667-449 ProSeal™ Flip Lid Receptacle Cover

M38999/III Receptacle Cover

ProSeal™ Flip-and-Spin Lid

ProSeal™ Flip Lid

Spring-loaded, waterproof. ProSeal™ cover fits MIL-DTL-38999 Series III receptacle connectors and Glenair Series 233 SuperNine receptacles. Cover mounts onto standard connector jam nut or square flange mounting holes. Two lid styles are available: ***Flip Lid*** and ***Flip-and-Spin Lid***. Unthreaded flip lid has torsion spring and gimballed cover for dust-tight and water-tight sealing (IP67 rating). Flip-and-spin lid has threaded cover. Snap lid onto connector face, then hand-tighten ¼ turn for IP68 ingress protection plus IPX6 high pressure water spray. -40 to +120 °C.

MATERIALS AND FINISHES

Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivit: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

PART NUMBER

	667-448	C	21	T1	W	-59

Base P/N
- **667-448** Flip-and-Spin Lid
- **667-449** Flip Lid

Bracket Finish
- **C** Black Anodize
- **M** Electroless Nickel
- **MT** Nickel-PTFE
- **NF** Cadmium, Olive Drab
- **ZR** Black Zinc-Nickel
- **TZ** Tin-Zinc

Shell Size

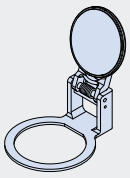
Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Panel Thickness
- **T0** Front Mount *(not applicable to jam nut mount)*
- **T1** .062 (1.6) *+/- .030 (0.8)*
- **T2** .125 (3.2) *+/- .030 (0.8)*

Mounting Type
- **J** Jam Nut *(fig. 1)*
- **W** Square Flange *(fig. 2)*

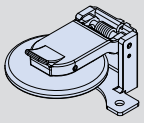
Modification Code
Mod-59 is not available for P/N 667-448
- **-59** Silver-Filled Silicone EMI Gasket

Fig. 1
Mounting Type J

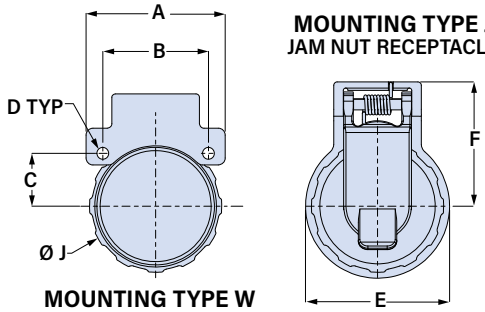


Jam Nut

Fig. 2
Mounting Type W



Square Flange



WHEN THE LEVER ARM IS LIFTED TO THE OPEN POSITION, IT WILL REMAIN OPEN AT APPROXIMATELY 105° FROM RECEPTACLE FACE.

TABLE 1 G DIMENSION

Panel Thickness Code		Shell Size	G Dim. ± .06 (1.5) Type J Jam Nut In.	mm.	Type W Square Flange In.	mm.
T0	Front Mount	09-19	N/A	N/A	1.039	26.4
		21-25	N/A	N/A	1.094	27.8
T1	.062 ± .030 (1.6 ± 0.8)	09-19	1.041	26.4	.977	24.8
		21-25	1.126	28.6	1.032	26.2
T2	.125 ± .030 (3.2 ± 0.8)	09-19	.979	24.9	.915	23.2
		21-25	1.064	27.0	.970	24.6

Shell Size	A Max in	A Max mm	B ± .015 (0.4) In.	B mm.	C ± .015 (0.4) In.	C mm.	D ±.008 (.20) In.	D mm.	E ±.031 (.79) In.	E mm.	F Max In.	F Max mm.	ø J Max In.	ø J Max mm.
09 (A)	.937	23.8	.719	18.3	.360	9.1	.128	3.3	1.031	26.2	.841	21.4	.872	22.1
11 (B)	1.031	26.2	.812	20.6	.406	10.3	.128	3.3	1.125	28.6	.903	22.9	.988	25.1
13 (C)	1.126	28.6	.906	23.0	.453	11.5	.128	3.3	1.375	34.9	1.028	26.1	1.129	28.7
15 (D)	1.220	31.0	.969	24.6	.485	12.3	.128	3.3	1.560	39.6	1.113	28.3	1.280	32.5
17 (E)	1.311	33.3	1.062	27.0	.531	13.5	.128	3.3	1.625	41.3	1.149	29.2	1.441	36.6
19 (F)	1.437	36.5	1.156	29.4	.578	14.7	.128	3.3	1.750	44.5	1.365	34.7	1.499	38.1
21 (G)	1.563	39.7	1.250	31.8	.625	15.9	.128	3.3	2.000	50.8	1.429	36.3	1.630	41.4
23 (H)	1.689	42.9	1.375	34.9	.688	17.5	.154	3.9	2.150	54.6	1.491	37.9	1.755	44.6
25 (J)	1.841	46.8	1.500	38.1	.750	19.1	.154	3.9	2.218	56.3	1.656	42.1	1.880	47.8

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Series 66 Protective Covers

for MIL-DTL-38999 Series IV Connectors

660-032 Plug Cover

M38999/IV Plug Cover

660-032 protective cover fits MIL-DTL-38999 Series IV breech-lock plug connectors. Universal polarization. Cover flange has red stripe full mate indicator. Aluminum or stainless steel, with stainless steel fittings.

PART NUMBER

	660-032	M	17	S	5	-05
Base P/N	660-032					
Material/Finish	*See Table 1*					
Shell Size	Shell Size: 11 (B), 13 (C), 15 (D), 17 (E), 19 (F), 21 (G), 23 (H), 25 (J)					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N (no attachment) and SK (slip knot)*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
G	Hardcoat Anodize	Z1	Passivate
M	Electroless Nickel	ZL	Nickel
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	ø G Max In.	ø G Max mm.	ø H Max In.	ø H Max mm.	ø J Max In.	ø J Max mm.
11 (B)	1.180	30.0	.793	20.1	.509	12.9
13 (C)	1.320	33.5	.919	23.3	.634	16.1
15 (D)	1.440	36.6	1.044	26.5	.759	19.3
17 (E)	1.560	39.6	1.170	29.7	.885	22.5
19 (F)	1.680	42.7	1.294	32.9	1.009	25.6
21 (G)	1.820	46.2	1.419	36.0	1.134	28.8
23 (H)	1.940	49.3	1.544	39.2	1.259	32.0
25 (J)	2.060	52.3	1.669	42.4	1.384	35.2

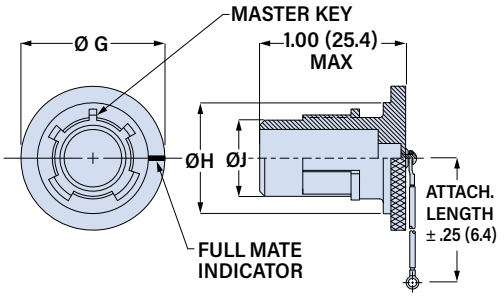
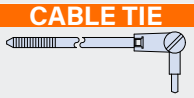


TABLE 3 ATTACHMENT RING

EYELET Code	EYELET Eyelet I.D. ± .010 (0.3)	STYLE A RING Code	STYLE A RING Ring I.D. ± .015 (0.4)	STYLE B RING Code	STYLE B RING Ring I.D. ± .015 (0.4)	SPLIT RING Code	SPLIT RING Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series IV Connectors

660-031 Receptacle Cover

M38999/IV Receptacle Cover

660-031 protective cover fits MIL-DTL-38999 Series IV breech-lock receptacle connectors. Universal polarization. Silicone gasket. Gold plated copper alloy detent spring provides positive lock. Blue stripe indicates master keyway location. Aluminum or stainless steel, with stainless steel fittings. Optional ground spring is copper alloy, gold plated.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
G	Hardcoat Anodize	Z1	Passivate
M	Electroless Nickel	ZL	Nickel
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel. Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-031	M	23	F	4	-102	G

Base P/N	**660-031**
Material/Finish	*See Table 1*
Shell Size	Shell Size: 11 (B), 13 (C), 15 (D), 17 (E), 19 (F), 21 (G), 23 (H), 25 (J) Size Code: 11, 13, 15, 17, 19, 21, 23, 25
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*
Attachment Ring	*Omit for Attachment Types N and SK* **-00** No Ring *See Table 3 for Attachment Ring Codes*
Ground Spring	*Omit for None* **G** Ground Spring

Shell Size	ø E Max In.	ø E Max mm.	ø F Max In.	ø F Max mm.
11 (B)	.875	22.2	.776	19.7
13 (C)	1.000	25.4	.902	22.9
15 (D)	1.125	28.6	1.039	26.4
17 (E)	1.250	31.8	1.150	29.2
19 (F)	1.375	34.9	1.276	32.4
21 (G)	1.500	38.1	1.402	35.6
23 (H)	1.625	41.3	1.528	38.8
25 (J)	1.750	44.5	1.650	41.9

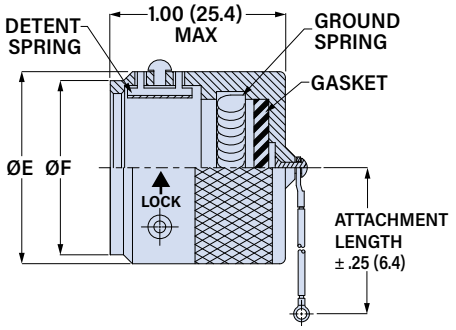
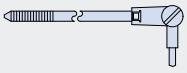


TABLE 3 ATTACHMENT RING

EYELET Code	EYELET Eyelet I.D. ± .010 (0.3)	STYLE A RING Code	STYLE A RING Ring I.D. ± .015 (0.4)	STYLE B RING Code	STYLE B RING Ring I.D. ± .015 (0.4)	SPLIT RING Code	SPLIT RING Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)

CABLE TIE



-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-38999 Series IV Connectors

660-068 Receptacle Cover, Spring-Loaded, EMI

M38999/IV EMI Receptacle Cover

660-068 protective cover fits MIL-DTL-38999 Series IV breech-lock receptacle connectors. Silicone gasket is spring-loaded. Universal polarization. Gold plated copper alloy ground spring (optional). Aluminum or stainless steel, with stainless steel fittings.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
G	Hardcoat Anodize	Z1	Passivate
M	Electroless Nickel	Z17	Nickel
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-068	M	23	S	5	-01	G

Base P/N — 660-068

Material/Finish — *See Table 1*

Shell Size

Shell Size	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	11	13	15	17	19	21	23	25

Attachment Type
N No Attachment
See Table 2 for Attachment Types

Attachment Length
Omit for Attachment Type N
Length in One Inch Increments

Attachment Ring
Omit for Attachment Types N and SK
-00 No Ring
See Table 3 for Attachment Ring Codes

Ground Spring
Omit for None
G Ground Spring

Shell Size	ø E Max In.	ø E Max mm.	ø F Max In.	ø F Max mm.
11 (B)	.875	22.2	.776	19.7
13 (C)	1.000	25.4	.902	22.9
15 (D)	1.125	28.6	1.039	26.4
17 (E)	1.250	31.8	1.150	29.2
19 (F)	1.375	34.9	1.276	32.4
21 (G)	1.500	38.1	1.402	35.6
23 (H)	1.625	41.3	1.528	38.8
25 (J)	1.750	44.5	1.650	41.9

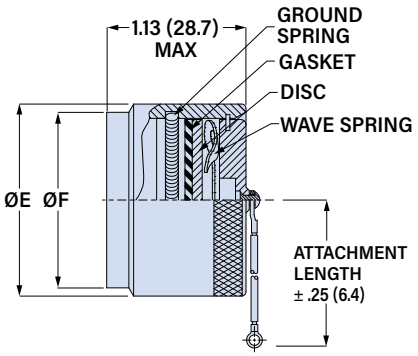
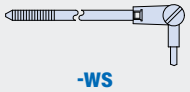


TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)



-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-83723 Series III Connectors

660-019 Plug Cover, Bayonet Coupling

M83723/III Plug Cover, Bayonet

660-019 protective cover fits MIL-DTL-83723 Series III bayonet plug connectors. Aluminum or stainless steel, with stainless steel fittings and bayonet pins. Silicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum	Stainless Steel
C Black Anodize	Z1 Passivate
M Electroless Nickel	
NF Olive Drab Cadmium	
MT Nickel-PTFE	
ZR Black Zinc-Nickel	
TZ Tin-Zinc	

PART NUMBER

	660-019	M	18	S	4	-60
Base P/N	660-019					
Material/Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** -00 No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	ø F Max In.	ø F Max mm.	ø G In.	ø G mm.
08	.776	19.7	.536	13.6
10	.906	23.0	.659	16.7
12	1.078	27.4	.829	21.1
14	1.141	29.0	.898	22.8
16	1.266	32.2	1.025	26.0
18	1.375	34.9	1.131	28.7
20	1.510	38.4	1.256	31.9
22	1.625	41.3	1.381	35.1
24	1.760	44.7	1.506	38.3

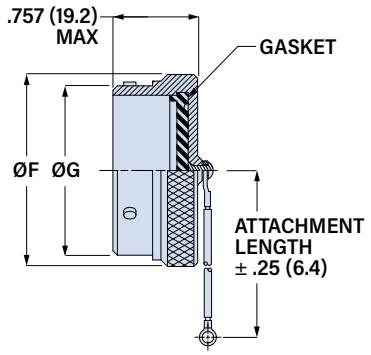

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-83723 Series III Connectors

660-021 Plug Cover, Threaded Coupling

M83723/III Plug Cover, Threaded

660-021 protective cover fits MIL-DTL-83723 Series III plug connectors with threaded coupling. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

	660-021	NF	14	H	5	-15
Base P/N	**660-021**					
Material/Finish	*See Table 1*					
Shell Size	**08 10 12 14 16 18 20 22 24 28**					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	E Thread	ø F Max In.	ø F Max mm.
08	.5625-24 UNEF-2A	.776	19.7
10	.6875-24 UNEF-2A	.906	23.0
12	.8750-20 UNEF-2A	1.078	27.4
14	.9375-20 UNEF-2A	1.141	29.0
16	1.0625-18 UNEF-2A	1.266	32.2
18	1.1875-18 UNEF-2A	1.375	34.9
20	1.3125-18 UNEF-2A	1.510	38.4
22	1.4375-18 UNEF-2A	1.625	41.3
24	1.5625-18 UNEF-2A	1.760	44.7
28	1.8125-16 UN-2A	2.010	51.1

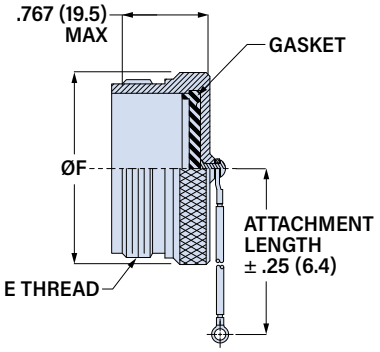

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-83723 Series III Connectors

660-020 Receptacle Cover, Bayonet Coupling

M83723/III Recep Cover, Bayonet

660-020 protective cover fits MIL-DTL-83723 Series III receptacle connectors with bayonet coupling. Aluminum or stainless steel, with stainless steel fittings and bayonet pins. Silicone gasket.

PART NUMBER

	660-020	M	20	S	4	-06
Base P/N	**660-020**					
Material/Finish	*See Table 1*					
Shell Size	**08 10 12 14 16 18 20 22 24**					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	ø F Max In.	ø F Max mm.
08	.776	19.7
10	.906	23.0
12	1.078	27.4
14	1.141	29.0
16	1.266	32.2
18	1.375	34.9
20	1.510	38.4
22	1.625	41.3
24	1.760	44.7

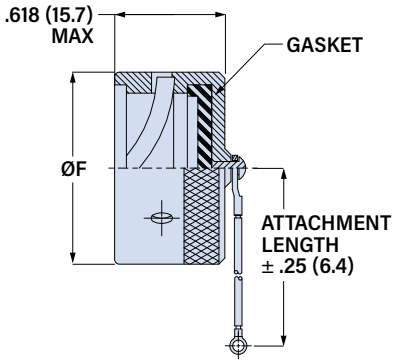
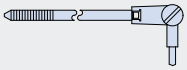


TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-83723 Series III Connectors

660-022 Receptacle Cover, Threaded Coupling

M83723/III Recep Cover, Threaded

660-022 protective cover fits MIL-DTL-83723 Series III receptacle connectors with threaded coupling. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

	660-022	NF	16	F	3	-06
Base P/N	660-022					
Material/Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24 28					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
M	Electroless Nickel		
NF	Olive Drab Cadmium		
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	E Thread	ø F Max In.	ø F Max mm.
08	.5625-24 UNEF-2B	.776	19.7
10	.6875-24 UNEF-2B	.906	23.0
12	.8750-20 UNEF-2B	1.078	27.4
14	.9375-20 UNEF-2B	1.141	29.0
16	1.0625-18 UNEF-2B	1.266	32.2
18	1.1875-18 UNEF-2B	1.375	34.9
20	1.3125-18 UNEF-2B	1.510	38.4
22	1.4375-18 UNEF-2B	1.625	41.3
24	1.5625-18 UNEF-2B	1.760	44.7
28	1.8125-16 UN-2B	2.010	51.1

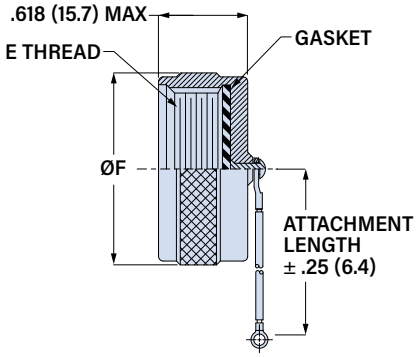

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-83723 Series III Connectors

661-005 Receptacle Cover, Bayonet, Spring-Loaded EMI

M83723/III EMI Receptacle Cover

661-005 protective cover fits MIL-DTL-83723 Series III bayonet receptacles. EMI protected with silicone/Monel wire mesh conductive gasket. Aluminum cover. Hardware, rivits, wave spring and screws are passivated stainless steel. Conductive EMI gasket is silicone with embedded Monel wire mesh and is rated for -65 to +200 °C.

TABLE 1 FINISH

M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	661-005	ZR	14	F	4	-01
Base P/N	**661-005**					
Finish	*See Table 1*					
Shell Size	**08 10 12 14 16 18 20 22 24**					
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	ø H Max In.	mm.
08	.776	19.7
10	.906	23.0
12	1.078	27.4
14	1.141	29.0
16	1.266	32.2
18	1.375	34.9
20	1.510	38.4
22	1.625	41.3
24	1.760	44.7

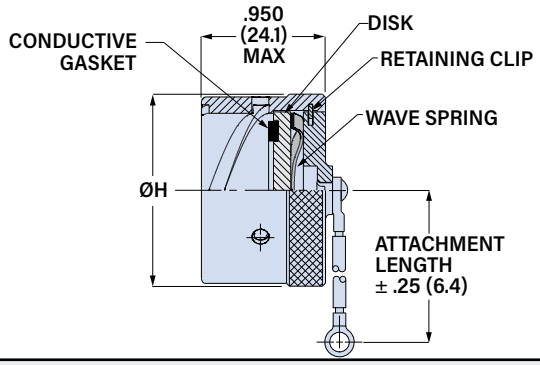

TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)

-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for MIL-DTL-83723 Series III Connectors

667-526, 667-528 ProSeal™ Flip Lid Receptacle Cover

83723/III Receptacle Cover

ProSeal™ Flip-and-Spin Lid

ProSeal™ Flip Lid

Spring-loaded, waterproof. ProSeal™ cover fits MIL-DTL-83723 Series III and EN2997 receptacle connectors. CCover mounts onto standard connector jam nut or square flange mounting holes. Two lid styles are available: ***Flip Lid*** and ***Flip-and-Spin Lid***. Unthreaded flip lid has torsion spring and gimballed cover for dust-tight and water-tight sealing (IP67 rating). Flip-and-spin lid has threaded cover. Snap lid onto connector face, then hand-tighten ¼ turn for IP68 ingress protection plus IPX6 high pressure water spray. -40 to +120 °C.

PART NUMBER

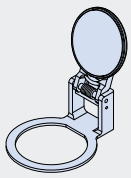
	667-526	C	18	T1	W	-59

Base P/N	**667-526**	Flip-and-Spin Lid *M83723 Series III Threaded*
	667-528	Flip Lid *M83723 Series III Threaded and Bayonet*
Bracket Finish	**C**	Black Anodize
	M	Electroless Nickel
	MT	Nickel-PTFE
	NF	Cadmium, Olive Drab
	ZR	Black Zinc-Nickel
	TZ	Tin-Zinc
Shell Size	**08 10 12 14 16 18 20 22 24**	
Panel Thickness	**T0**	Front Mount *(not applicable to jam nut mount)*
	T1	.062 (1.6) *+/- .030 (0.8)*
	T2	.125 (3.2) *+/- .030 (0.8)*
Mounting Type	**J**	Jam Nut *(fig. 1)*
	W	Square Flange *(fig. 2)*
Modification Code	*Mod-59 is not available for P/N 667-526*	
	-59	Silver-Filled Silicone EMI Gasket

MATERIALS AND FINISHES

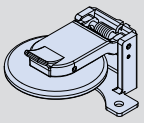
Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivit: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

Fig. 1
Mounting Type J



Jam Nut

Fig. 2
Mounting Type W



Square Flange

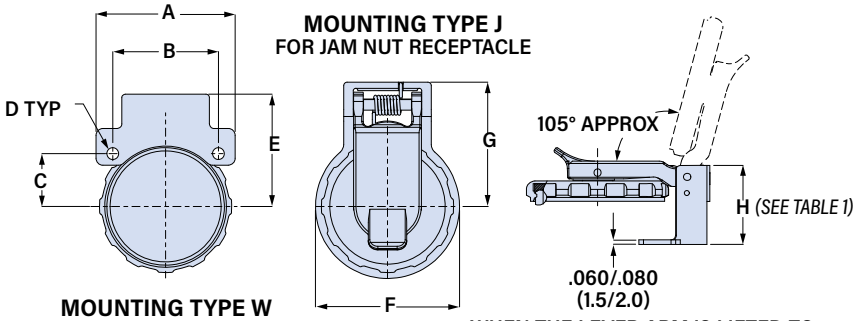


TABLE 1 H DIMENSION

Panel Thickness Code		Shell Size	H Max Bracket Height Type J Jam Nut In.	Type J Jam Nut mm.	Type W Square Flange In.	Type W Square Flange mm.
T0	Front Mount	08-18	N/A	N/A	.983	25.0
		20-28	N/A	N/A	1.068	27.1
T1	.062 ± .030 (1.6 ± 0.8)	08-18	.975	24.8	.921	23.4
		20-28	1.060	26.9	1.006	25.6
T2	.125 ± .030 (3.2 ± 0.8)	08-18	.913	23.2	.859	21.8
		20-28	.998	25.3	.944	24.0

Shell Size	A Max in	A Max mm	B ± .015 (0.4) In.	B ± .015 (0.4) mm.	C ± .015 (0.4) In.	C ± .015 (0.4) mm.	D ±.010 (0.2) In.	D ±.010 (0.2) mm.	E Max In.	E Max mm.	F ±.031 (.79) In.	F ±.031 (.79) mm.	G Max In.	G Max mm.
08	.967	24.6	.594	15.0	.297	7.5	.120	3.0	.841	21.4	1.031	26.2	.841	21.4
10	1.061	27.0	.719	18.3	.360	9.1	.120	3.0	.903	22.9	1.031	26.2	.903	22.9
12	1.156	29.4	.812	20.6	.406	10.3	.120	3.0	.966	24.5	1.299	33.0	.966	24.5
14	1.250	31.8	.906	23.0	.453	11.5	.120	3.0	1.034	26.3	1.375	34.9	1.028	26.1
16	1.341	33.9	.969	24.6	.485	12.3	.120	3.0	1.113	28.3	1.560	39.6	1.113	28.3
18	1.467	37.3	1.062	27.0	.531	13.5	.120	3.0	1.149	29.2	1.625	41.3	1.149	29.2
20	1.593	40.5	1.156	29.4	.578	14.7	.120	3.0	1.365	34.7	1.750	44.5	1.365	34.7
22	1.719	43.7	1.250	31.8	.625	15.9	.120	3.0	1.429	36.3	2.000	50.8	1.429	36.3
24	1.871	47.5	1.375	34.9	.688	17.5	.147	3.7	1.491	37.9	2.150	54.6	1.491	37.9
28	2.042	51.9	1.562	39.7	.781	19.8	.147	3.7	1.708	43.4	2.500	63.5	1.678	42.6

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Series 66 Protective Covers

for MIL-DTL-38999 Series III Connectors

665-052 Cover Transit Plug

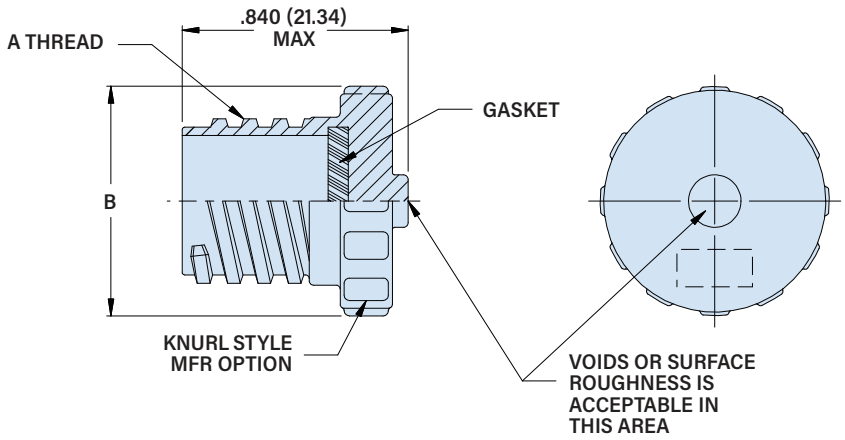
M38999/III Plug Cover

MATERIALS AND FINISHES

Cover: thermoplastic polytherimides/see Part Number Table
Gasket: flurosilicone/N.A.

Shell Size	A Thread - 2A	B Max In.	B Max mm.
09	.6250 -0.1P-0.3L-TS	.906	23.01
11	.7500 -0.1P-0.3L-TS	1.024	26.01
13	.8750 -0.1P-0.3L-TS	1.220	30.99
15	1.0000 -0.1P-0.3L-TS	1.300	33.02
17	1.1875 -0.1P-0.3L-TS	1.457	37.01
19	1.2500 -0.1P-0.3L-TS	1.575	40.00
21	1.3750 -0.1P-0.3L-TS	1.732	43.99
23	1.5000 -0.1P-0.3L-TS	1.811	46.00
25	1.6250 -0.1P-0.3L-TS	1.969	50.01

PART NUMBER	665-052	XR	21	L
Base P/N	665-052			
Finish	XV No Plating, Purple XR No Plating, Red XY No Plating, Yellow			
Shell Size	Size Code 09 | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 25			
Gasket Option	Supplied Standard with Gasket L = Less Gasket			



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Series 66 Protective Covers

for MIL-DTL-38999 Series III Connectors

665-053 Cover Transit Receptacle

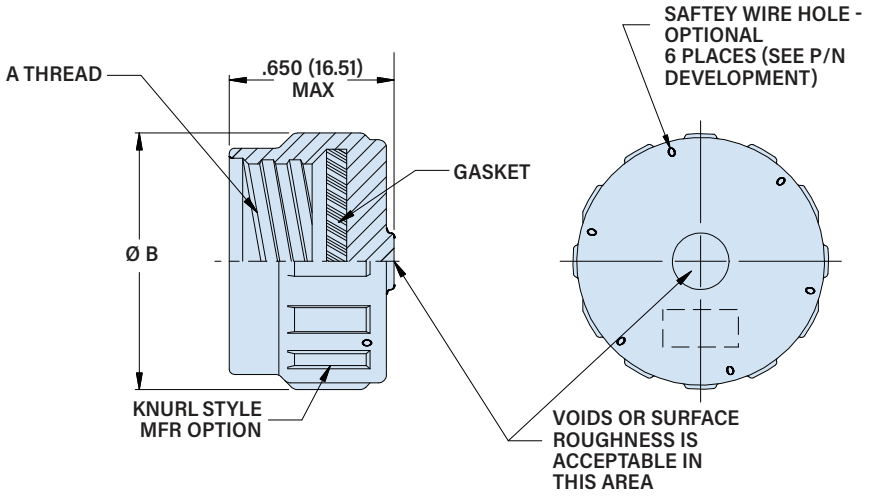
M38999/III Receptacle Cover

MATERIALS AND FINISHES

Cover: thermoplastic polytherimides/see Part Number Table
Gasket: flurosilicone/N.A.

PART NUMBER	665-053	XR	21	L	D
Base P/N	665-053				
Finish	**XV** No Plating, Purple **XR** No Plating, Red **XY** No Plating, Yellow				
Shell Size	Size Code **09** | **11** | **13** | **15** | **17** | **19** | **21** | **23** | **25**				
Gasket Option	Supplied Standard with Gasket **L** = Less Gasket				
Drilled Safety Wire Holes	**D** = with Holes Omit If Not Required				

Shell Size	A Thread - 2B	B Max In.	B Max mm.
09	.6250 -0.1P-0.3L-TS	.906	23.01
11	.7500 -0.1P-0.3L-TS	1.024	26.01
13	.8750 -0.1P-0.3L-TS	1.220	30.99
15	1.0000 -0.1P-0.3L-TS	1.300	33.02
17	1.1875 -0.1P-0.3L-TS	1.457	37.01
19	1.2500 -0.1P-0.3L-TS	1.575	40.00
21	1.3750 -0.1P-0.3L-TS	1.732	43.99
23	1.5000 -0.1P-0.3L-TS	1.811	46.00
25	1.6250 -0.1P-0.3L-TS	1.969	50.01



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Series 66 Protective Covers

for Series 800 Mighty Mouse Connectors

667-184 Plug Cover

MM800 Plug Cover

667-184 protective cover fits Glenair Series 800 plug connectors. Aluminum or stainless steel, with stainless steel fittings. Fluorosilicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel
-C	Black Anodize	-Z1 Passivate
-M	Electroless Nickel	
-NF	Olive Drab Cadmium	
-MT	Nickel-PTFE	
-ZR	Black Zinc-Nickel	
-TZ	Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	667-184	-M	-H	9	01	-5
Base P/N	667-184					
Material/Finish	*See Table 1*					
Attachment Type	-N No Attachment *See Table 2 for Attachment Types*					
Shell Size	5 6 7 8 9 10 11 12					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					
Alternate Polarization	*Omit for Normal Polarization N* X Y Z					

Shell Size	A Thread	ø C Max In.	ø C Max mm.
5	.3125-28 UN-2A	.462	11.7
6	.3750-28 UN-2A	.525	13.3
7	.4375-28 UNEF-2A	.588	14.3
8	.5000-32 UN-2A	.650	16.5
9	.5625-32 UN-2A	.713	18.1
10	.6250-32 UN-2A	.838	21.3
11	.6875-28 UN-2A	.838	21.3
12	.7500-28 UN-2A	.900	22.9

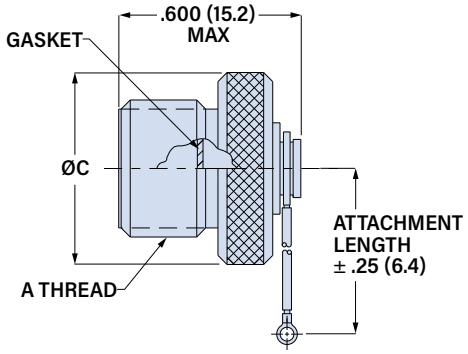

TABLE 3 ATTACHMENT RING

EYELET			SOLID RING			SOLID RING			SPLIT RING		
	Eyelet I.D. ± .010 (0.3)			Ring I.D. ± .015 (0.4)			Ring I.D. ± .015 (0.4)			Ring I.D. ± .015 (0.4)	
Code	In.	mm.	Code	In.	mm.	Code	In.	mm.	Code	In.	mm.
01	.125	(3.2)	32	.265	(6.7)	31	.820	(20.8)	50	.432	(11.0)
02	.145	(3.7)	29	.315	(8.0)	19	.885	(22.5)	52	.492	(12.5)
04	.182	(4.6)	14	.385	(9.8)	26	.950	(24.1)	54	.648	(16.5)
06	.197	(5.0)	15	.445	(11.3)	28	1.015	(25.8)	56	.757	(19.2)
			33	.510	(13.0)	20	1.070	(27.2)	58	.898	(22.8)
			16	.570	(14.5)	21	1.135	(28.8)	60	1.023	(26.0)
			17	.635	(16.1)	22	1.210	(30.7)	64	1.137	(28.9)
			18	.695	(17.7)	23	1.275	(32.4)	68	1.357	(34.5)
			27	.766	(19.5)	30	1.380	(35.1)			
						25	1.530	(41.4)			

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Series 66 Protective Covers

for Series 800 Mighty Mouse Connectors

667-185 Receptacle Cover

MM800 Receptacle Cover

667-185 protective cover fits Glenair Series 800 receptacle connectors. Aluminum or stainless steel, with stainless steel fittings. Fluorosilicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel
-C	Black Anodize	-Z1 Passivate
-M	Electroless Nickel	
-NF	Olive Drab Cadmium	
-MT	Nickel-PTFE	
-ZR	Black Zinc-Nickel	
-TZ	Tin-Zinc	

PART NUMBER

	667-185	-ZR	-G	11	04	-5
Base P/N	667-185					
Material/Finish	*See Table 1*					
Attachment Type	-N No Attachment *See Table 2 for Attachment Types*					
Shell Size	5 6 7 8 9 10 11 12					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	A Thread	ø C Max In.	ø C Max mm.
5	.3125-28 UN-2B	.462	11.7
6	.3750-28 UN-2B	.525	13.3
7	.4375-28 UNEF-2B	.588	14.3
8	.5000-32 UN-2B	.650	16.5
9	.5625-32 UN-2B	.713	18.1
10	.6250-32 UN-2B	.838	21.3
11	.6875-28 UN-2B	.838	21.3
12	.7500-28 UN-2B	.900	22.9

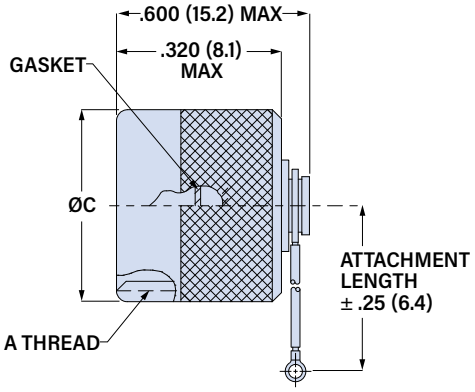

TABLE 3 ATTACHMENT RING

EYELET			SOLID RING						SPLIT RING		
	Eyelet I.D. ± .010 (0.3)			Ring I.D. ± .015 (0.4)			Ring I.D. ± .015 (0.4)			Ring I.D. ± .015 (0.4)	
Code	In.	mm.	Code	In.	mm.	Code	In.	mm.	Code	In.	mm.
01	.125	(3.2)	32	.265	(6.7)	31	.820	(20.8)	50	.432	(11.0)
02	.145	(3.7)	29	.315	(8.0)	19	.885	(22.5)	52	.492	(12.5)
04	.182	(4.6)	14	.385	(9.8)	26	.950	(24.1)	54	.648	(16.5)
06	.197	(5.0)	15	.445	(11.3)	28	1.015	(25.8)	56	.757	(19.2)
			33	.510	(13.0)	20	1.070	(27.2)	58	.898	(22.8)
			16	.570	(14.5)	21	1.135	(28.8)	60	1.023	(26.0)
			17	.635	(16.1)	22	1.210	(30.7)	64	1.137	(28.9)
			18	.695	(17.7)	23	1.275	(32.4)	68	1.357	(34.5)
			27	.766	(19.5)	30	1.380	(35.1)			
						25	1.530	(41.4)			

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Series 66 Protective Covers

for Series 801 Mighty Mouse Connectors

667-217 Plug Cover

MM801 Plug Cover

667-217 protective cover fits Glenair Series 801 plug connectors. Aluminum or stainless steel, with stainless steel fittings. Fluorosilicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
-C	Black Anodize	-Z1	Passivate
-M	Electroless Nickel		
-NF	Olive Drab Cadmium		
-MT	Nickel-PTFE		
-ZR	Black Zinc-Nickel		
-TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	667-217	-M	-H	17	17	-5
Base P/N	667-217					
Material/Finish	*See Table 1*					
Attachment Type	-N No Attachment *See Table 2 for Attachment Types*					
Shell Size	5 6 7 8 9 10 11 13 16 17 19 21					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

Shell Size	A Thread	ø C Max In.	ø C Max mm.
5	.3125-.05P-.1L-2A	.465	11.8
6	.375-.05P-.1L-2A	.525	13.3
7	.4375-.05P-.1L-2A	.590	14.9
8	.5000-.05P-.1L-2A	.653	16.6
9	.5625-.05P-.1L-2A	.715	18.0
10	.6250-.05P-.1L-2A	.778	19.7
11	.6875-.05P-.1L-2A	.840	21.3
13	.8125-.1P-.2L-2A	.965	24.4
16	1.000-.1P-.2L-2A	1.150	29.2
17	1.062-.1P-.2L-2A	1.215	30.8
19	1.1875-.1P-.2L-2A	1.340	34.0
21	1.3125-.1P-.2L-2A	1.477	37.5

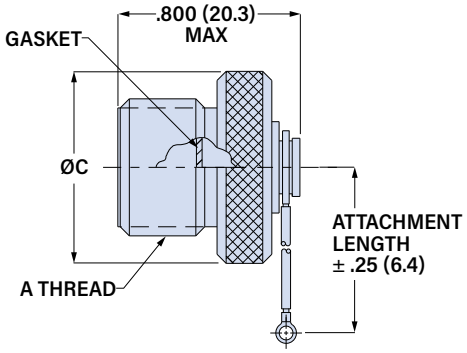
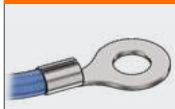


TABLE 3 ATTACHMENT RING

EYELET



Code	Eyelet I.D. ± .010 (0.3)
01	.125 (3.2)
02	.145 (3.7)
04	.182 (4.6)
06	.197 (5.0)

SOLID RING

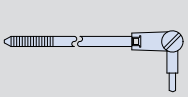
Code	Ring I.D. ± .015 (0.4)
32	.265 (6.7)
29	.315 (8.0)
14	.385 (9.8)
15	.445 (11.3)
33	.510 (13.0)
16	.570 (14.5)
17	.635 (16.1)
18	.695 (17.7)
27	.766 (19.5)
31	.820 (20.8)

Code	Ring I.D. ± .015 (0.4)
19	.885 (22.5)
26	.950 (24.1)
28	1.015 (25.8)
20	1.070 (27.2)
21	1.135 (28.8)
22	1.210 (30.7)
23	1.275 (32.4)
24	1.380 (35.1)
30	1.380 (35.1)
25	1.530 (38.9)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
50	.432 (11.0)
52	.492 (12.5)
54	.648 (16.5)
56	.757 (19.2)
58	.898 (22.8)
60	1.023 (26.0)
64	1.137 (28.9)
68	1.357 (34.5)

CABLE TIE



Code WS

Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for Series 801 Mighty Mouse Connectors

667-218 Receptacle Cover

MM801 Receptacle Cover

667-218 protective cover fits Glenair Series 801 and Series 811 receptacle connectors. Aluminum or stainless steel, with stainless steel fittings. Fluorosilicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel
-C	Black Anodize	-Z1 Passivate
-M	Electroless Nickel	
-NF	Olive Drab Cadmium	
-MT	Nickel-PTFE	
-ZR	Black Zinc-Nickel	
-TZ	Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	667-218	-ZR	-S	13	04	-5
Base P/N	667-218					
Material/Finish	*See Table 1*					
Attachment Type	-N No Attachment *See Table 2 for Attachment Types*					
Shell Size	5 6 7 8 9 10 11 13 16 17 19 21					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

Shell Size	A Thread	ø C Max In.	ø C Max mm.	ø D ± .015 (0.4) In.	ø D ± .015 (0.4) mm.
5	.3125-.05P-.1L-2B	.488	12.4	.368	9.3
6	.375-.05P-.1L-2B	.555	14.1	.453	11.5
7	.4375-.05P-.1L-2B	.615	15.6	.538	13.7
8	.5000-.05P-.1L-2B	.675	17.1	.587	14.9
9	.5625-.05P-.1L-2B	.840	21.3	.648	16.5
10	.6250-.05P-.1L-2B	.905	23.0	.712	18.1
11	.6875-.05P-.1L-2B	.948	24.1	.778	19.8
13	.8125-.1P-.2L-2B	.995	25.3	.904	22.9
16	1.000-.1P-.2L-2B	1.261	32.0	1.092	27.7
17	1.062-.1P-.2L-2B	1.321	33.6	1.158	29.4
19	1.1875-.1P-.2L-2B	1.447	36.8	1.283	32.6
21	1.3125-.1P-.2L-2B	1.570	39.9	1.412	35.8

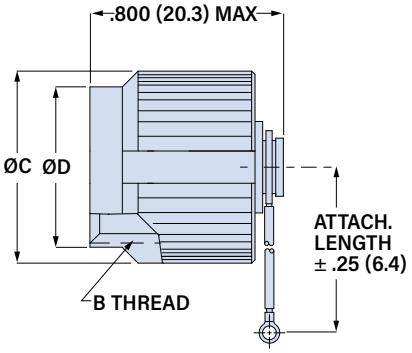


TABLE 3 ATTACHMENT RING

EYELET

Code	Eyelet I.D. ± .010 (0.3)
01	.125 (3.2)
02	.145 (3.7)
04	.182 (4.6)
06	.197 (5.0)

SOLID RING

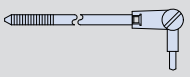
Code	Ring I.D. ± .015 (0.4)
32	.265 (6.7)
29	.315 (8.0)
14	.385 (9.8)
15	.445 (11.3)
33	.510 (13.0)
16	.570 (14.5)
17	.635 (16.1)
18	.695 (17.7)
27	.766 (19.5)
31	.820 (20.8)

Code	Ring I.D. ± .015 (0.4)
19	.885 (22.5)
26	.950 (24.1)
28	1.015 (25.8)
20	1.070 (27.2)
21	1.135 (28.8)
22	1.210 (30.7)
23	1.275 (32.4)
24	1.380 (35.1)
30	1.380 (35.1)
25	1.530 (38.9)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
50	.432 (11.0)
52	.492 (12.5)
54	.648 (16.5)
56	.757 (19.2)
58	.898 (22.8)
60	1.023 (26.0)
64	1.137 (28.9)
68	1.357 (34.5)

CABLE TIE



Code WS

Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for Series 801 Mighty Mouse Connectors

667-497 ProSeal™ Flip Lid Receptacle Cover

MM801 Receptacle Cover
ProSeal™ Flip Lid

Spring-loaded, waterproof. ProSeal™ cover fits Glenair Series 801 Mighty Mouse receptacle connectors. Cover mounts onto standard connector jam nut or square flange mounting holes. Snap lid onto connector face for dust-tight and water-tight seal (IP67). -40 to +120 °C.

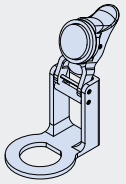
MATERIALS AND FINISHES

Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivit: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

PART NUMBER

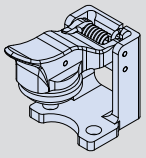
	667-497	C	21	T1	W	-59
Base P/N	667-497 Flip Lid					
Bracket Finish	C Black Anodize M Electroless Nickel MT Nickel-PTFE NF Cadmium, Olive Drab ZR Black Zinc-Nickel TZ Tin-Zinc					
Shell Size	5 6 7 8 9 10 11 13 16 17 19 21					
Panel Thickness	T0 Front Mount *Mounting Type W only* T1 Rear Panel Mount, *.031- .047 (0.8-1.2) Panel*					
Mounting Type	J Jam Nut *fig.* 1 W Square Flange *fig.* 2					
Modification Code	*Omit for standard silicone gasket.* -59 Silver-Filled Silicone EMI Gasket					

Fig. 1
Mounting Type J



Jam Nut

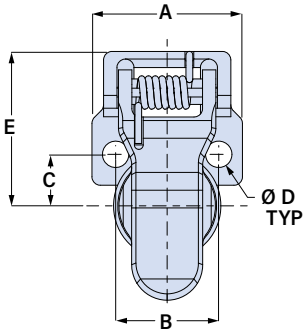
Fig. 2
Mounting Type W



Square Flange

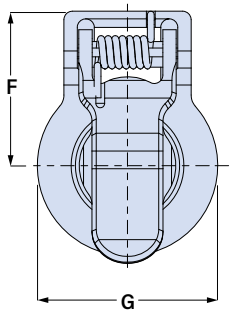
TABLE 1 H DIMENSION

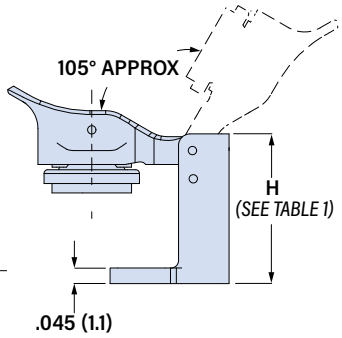
Panel Thickness Code	Shell Size	H Max Type J Jam Nut In.	H Max Type J Jam Nut mm.	H Max Type W Square Flange In.	H Max Type W Square Flange mm.
T0 Front Mount	5-8	N/A	N/A	.593	15.1
	9-21	N/A	N/A	.692	17.6
T1 .047 (1.2)	5-8	.808	20.5	.546	13.9
	9-21	.908	23.1	.645	16.4



MOUNTING TYPE W
SQUARE FLANGE RECEPTACLE

MOUNTING TYPE J
JAM NUT RECEPTACLE





WHEN THE LEVER ARM IS LIFTED TO THE OPEN POSITION, IT WILL REMAIN OPEN AT APPROXIMATELY 105° FROM RECEPTACLE FACE.

Shell Size	A ± .015 (0.4) In.	A mm.	B ± .015 (0.4) In.	B mm.	C ± .015 (0.4) In.	C mm.	D ± .002 (0.1) In.	D mm.	E ± .031 (0.8) In.	E mm.	F ± .031 (0.8) In.	F mm.	G ± .031 (0.8) In.	G mm.
5	.530	13.5	.363	9.2	.181	4.6	.094	2.4	.544	13.8	.544	13.8	.635	16.1
6	.590	15.0	.423	10.7	.212	5.4	.094	2.4	.580	14.7	.580	14.7	.697	17.7
7	.650	16.5	.483	12.3	.242	6.1	.094	2.4	.614	15.6	.614	15.6	.822	20.9
8	.712	18.1	.545	13.8	.273	6.9	.094	2.4	.651	16.5	.651	16.5	.851	21.6
9	.851	21.6	.607	15.4	.304	7.7	.128	3.3	.724	18.4	.724	18.4	.945	24.0
10	.890	22.6	.670	17.0	.335	8.5	.128	3.3	.758	19.3	.758	19.3	.945	24.0
11	.935	23.7	.715	18.2	.358	9.1	.128	3.3	.781	19.8	.781	19.8	1.103	28.0
13	1.030	26.2	.812	20.6	.406	10.3	.128	3.3	.850	21.6	.814	20.7	1.193	30.3
16	1.219	31.0	.981	24.9	.491	12.5	.128	3.3	1.004	25.5	.998	25.3	1.375	34.9
17	1.280	32.5	1.060	26.9	.530	13.5	.128	3.3	1.083	27.5	1.083	27.5	1.560	39.6
19	1.432	36.4	1.191	30.3	.596	15.1	.128	3.3	1.119	28.4	1.119	28.4	1.625	41.3
21	1.565	39.8	1.322	33.6	.661	16.8	.128	3.3	1.335	33.9	1.335	33.9	1.761	44.7

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Series 66 Protective Covers

for Series 801 Mighty Mouse Connectors

667-509 ProSeal™ Flip-and-Spin Lid Receptacle Cover

MM801 Receptacle Cover
ProSeal™ Flip-and-Spin Lid

Spring-loaded, waterproof. ProSeal™ cover fits Glenair Series 801 Mighty Mouse receptacle connectors. Cover mounts onto standard connector jam nut or square flange mounting holes. "Flip-and-spin" cover has threaded lid for best ingress protection (IP6X dust, IPX6 powerful water jets, IPX8 immersion). Snap the lid onto connector face, then hand-tighten ¼ turn. -40 to +120 °C.

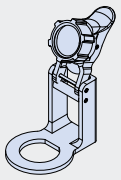
MATERIALS AND FINISHES

Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivit: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

PART NUMBER

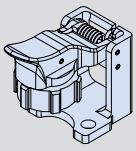
	667-509	C	21	T1	W
Base P/N	**667-509** Flip-and-Spin Lid				
Bracket Finish	**C** Black Anodize **M** Electroless Nickel **MT** Nickel-PTFE **NF** Cadmium, Olive Drab **ZR** Black Zinc-Nickel **TZ** Tin-Zinc				
Shell Size	**5 6 7 8 9 10 11 13 16 17 19 21**				
Panel Thickness	**T0** Front Mount *Mounting Type W only* **T1** Rear Panel Mount, *.031- .047 (0.8-1.2) Panel*				
Mounting Type	**J** Jam Nut *fig.* ❶ **W** Square Flange *fig.* ❷				

***Fig.* ❶**
Mounting Type J



Jam Nut

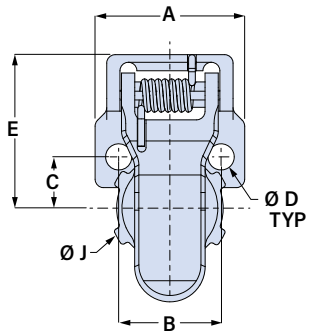
***Fig.* ❷**
Mounting Type W



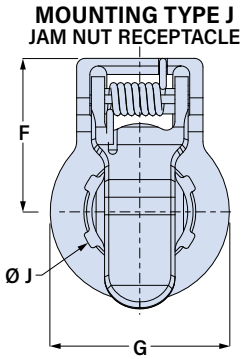
Square Flange

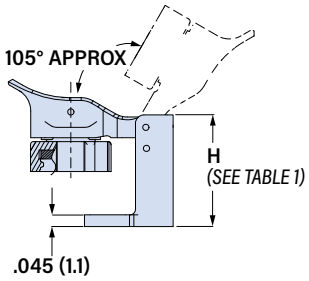
TABLE 1 H DIMENSION

Panel Thickness Code	Shell Size	H Max Type J Jam Nut In.	H Max Type J Jam Nut mm.	H Max Type W Square Flange In.	H Max Type W Square Flange mm.
T0 Front Mount	5-8	N/A	N/A	.593	15.1
	9-21	N/A	N/A	.692	17.6
T1 .047 (1.2)	5-8	.808	20.5	.546	13.9
	9-21	.908	23.1	.645	16.4



MOUNTING TYPE W
SQUARE FLANGE RECEPTACLE





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Shell Size	A ± .015 (0.4) In.	A mm.	B ± .015 (0.4) In.	B mm.	C ± .015 (0.4) In.	C mm.	D ± .002 (0.1) In.	D mm.	E ± .031 (0.8) In.	E mm.	F ± .031 (0.8) In.	F mm.	G ± .031 (0.8) In.	G mm.	J Max In.	J Max mm.
5	.530	13.5	.363	9.2	.181	4.6	.094	2.4	.544	13.8	.544	13.8	.635	16.1	.459	11.7
6	.590	15.0	.423	10.7	.212	5.4	.094	2.4	.580	14.7	.580	14.7	.697	17.7	.522	13.3
7	.650	16.5	.483	12.3	.242	6.1	.094	2.4	.614	15.6	.614	15.6	.822	20.9	.584	14.8
8	.712	18.1	.545	13.8	.273	6.9	.094	2.4	.651	16.5	.651	16.5	.851	21.6	.651	16.5
9	.851	21.6	.607	15.4	.304	7.7	.128	3.3	.724	18.4	.724	18.4	.945	24.0	.710	18.0
10	.890	22.6	.670	17.0	.335	8.5	.128	3.3	.758	19.3	.758	19.3	.945	24.0	.776	19.7
11	.935	23.7	.715	18.2	.358	9.1	.128	3.3	.781	19.8	.781	19.8	1.103	28.0	.842	21.4
13	1.030	26.2	.812	20.6	.406	10.3	.128	3.3	.850	24.2	.814	20.7	1.193	30.3	.968	24.6
16	1.219	31.0	.981	24.9	.491	12.5	.128	3.3	1.012	25.7	.998	25.3	1.375	34.9	1.004	25.5
17	1.280	32.5	1.060	26.9	.530	13.5	.128	3.3	1.043	26.5	1.083	27.5	1.560	39.6	1.083	27.5
19	1.432	36.4	1.191	30.3	.596	15.1	.128	3.3	1.043	26.5	1.119	28.4	1.625	41.3	1.119	28.4
21	1.565	39.8	1.322	33.6	.661	16.8	.128	3.3	1.151	29.2	1.335	33.9	1.761	44.7	1.335	33.9

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Series 66 Protective Covers

for Series 802 AquaMouse Connectors

667-241 Plug Cover

MM802 Plug Cover

316 stainless steel. 3500 PSI pressure rating. Universal polarizing. 667-241 protective cover fits Glenair Series 802 AquaMouse plug connectors. 316 stainless steel, passivated, with stainless steel fittings. Viton O-ring.

PART NUMBER

	667-241	-G	10	01	-5
Base P/N	667-241				
Attachment Type	-N No Attachment *See Table 1 for Attachment Types*				
Shell Size	5 6 7 8 9 10 12 14 15 21				
Attachment Ring	*Omit for Attachment Types N and SK* *See Table 2 for Attachment Ring Codes*				
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*				

TABLE 1 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

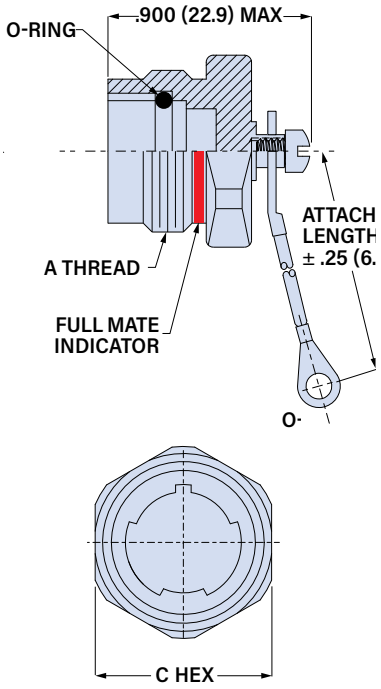
H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C



Shell Size	A Thread Class 2A	C Hex In.	C Hex mm.
5	.4375-28 UNEF	.500	12.7
6	.5625-20 UN	.625	15.9
7	.6250-20 UN	.688	17.5
8	.6875-20 UN	.750	19.1
9	.7500-20 UNEF	.812	20.6
10	.8125-20 UNEF	.875	22.2
12	.8750-20 UNEF	.938	23.8
14	1.0625-20 UN	1.125	28.6
15	1.1250-20 UN	1.188	30.2
21	1.4375-20 UN	1.562	39.7

TABLE 2 ATTACHMENT RING

EYELET

Code	Eyelet I.D. ± .010 (0.3) In.	mm.
01	.125	3.2
02	.145	3.7
04	.182	4.6
06	.197	5.0

SOLID RING

Code	Ring I.D. ± .015 (0.4) In.	mm.
32	.265	6.7
29	.315	8.0
14	.385	9.8
15	.445	11.3
33	.510	13.0
16	.570	14.5
17	.635	16.1
18	.695	17.7
27	.766	19.5
31	.820	20.8
19	.885	22.5
26	.950	24.1
28	1.015	25.8
20	1.070	27.2
21	1.135	28.8
22	1.210	30.7
23	1.275	32.4
30	1.380	35.1
24	1.530	41.4

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Series 66 Protective Covers

for Series 802 AquaMouse Connectors

667-242 Receptacle Cover

MM802 Receptacle Cover

316 stainless steel. 3500 PSI pressure rating. 667-242 protective cover fits Glenair Series 802 AquaMouse receptacle connectors. Cover consists of shell and coupling nut. Coupling nut is nickel aluminum bronze, shell is 316 stainless steel, passivated.

PART NUMBER

	667-242	-U	14	01	-5
Base P/N	667-242				
Attachment Type	-N No Attachment *See Table 1 for Attachment Types*				
Shell Size	5 6 7 8 9 10 12 14 15 21				
Attachment Ring	*Omit for Attachment Types N and SK* *See Table 2 for Attachment Ring Codes*				
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*				

TABLE 1 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

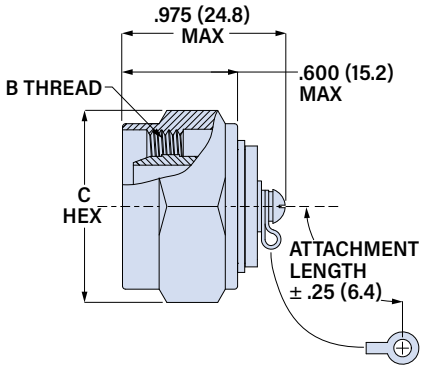
H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

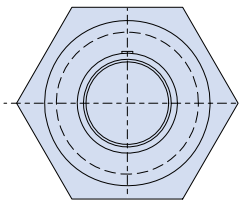
S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C





Shell Size	A Thread Class 2B	C Hex In.	C Hex mm.
5	.4375-28 UNEF	.500	12.7
6	.5625-20 UN	.625	15.9
7	.6250-20 UN	.688	17.5
8	.6875-20 UN	.750	19.1
9	.7500-20 UNEF	.812	20.6
10	.8125-20 UNEF	.875	22.2
12	.8750-20 UNEF	.938	23.8
14	1.0625-20 UN	1.125	28.6
15	1.1250-20 UN	1.188	30.2
21	1.4375-20 UN	1.562	39.7

TABLE 2 ATTACHMENT RING

EYELET

Code	Eyelet I.D. ± .010 (0.3) In.	mm.
01	.125	3.2
02	.145	3.7
04	.182	4.6
06	.197	5.0

SOLID RING

Code	Ring I.D. ± .015 (0.4) In.	mm.
32	.265	6.7
29	.315	8.0
14	.385	9.8
15	.445	11.3
33	.510	13.0
16	.570	14.5
17	.635	16.1
18	.695	17.7
27	.766	19.5
31	.820	20.8
19	.885	22.5
26	.950	24.1
28	1.015	25.8
20	1.070	27.2
21	1.135	28.8
22	1.210	30.7
23	1.275	32.4
30	1.380	35.1
24	1.530	41.4

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Series 66 Protective Covers

for Series 803 Mighty Mouse Connectors

660-082 Plug Cover

MM803 Plug Cover

660-083 protective cover fits Glenair Series 803 bayonet plug connectors. Aluminum or stainless steel, with stainless steel fittings. Fluorosilicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel
-M	Electroless Nickel	-Z1 Passivated
-NF	Olive Drab Cadmium Nickel over Electroless Nickel Finish	
-ZN	Olive-Drab, Zinc Nickel Finish	
-C	Black Anodize Finish	
-ZNU	Black Zinc-Nickel Finish	

PART NUMBER

	660-082	-M	S	12	04	-5
Base P/N	660-082					
Material/Finish	*See Table 1*					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Shell Size	5 6 7 8 9 10 12 14 15					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	ø B Max In.	ø B Max mm.
5	.620	15.7
6	.620	15.7
7	.620	15.7
8	.690	17.5
9	.760	19.3
10	.850	21.6
12	.940	23.8
14	1.170	29.7
15	1.170	29.7

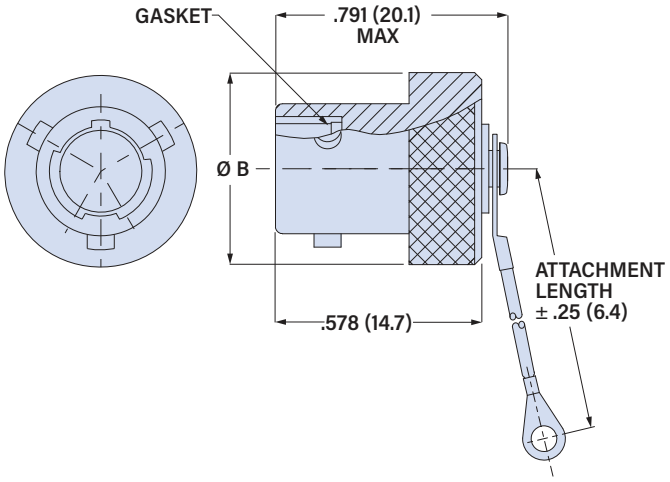

TABLE 3 ATTACHMENT RING

EYELET		SOLID RING		SOLID RING		SPLIT RING		CABLE TIE
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code WS
01	.125 (3.2)	32	.265 (6.7)	19	.885 (22.5)	50	.432 (11.0)	Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.
02	.145 (3.7)	29	.315 (8.0)	26	.950 (24.1)	52	.492 (12.5)	
04	.182 (4.6)	14	.385 (9.8)	28	1.015 (25.8)	54	.648 (16.5)	
06	.197 (5.0)	15	.445 (11.3)	20	1.070 (27.2)	56	.757 (19.2)	
		33	.510 (13.0)	21	1.135 (28.8)	58	.898 (22.8)	
		16	.570 (14.5)	22	1.210 (30.7)	60	1.023 (26.0)	
		17	.635 (16.1)	23	1.275 (32.4)	64	1.137 (28.9)	
		18	.695 (17.7)	24	1.380 (35.1)	68	1.357 (34.5)	
		27	.766 (19.5)	30	1.380 (35.1)			
		31	.820 (20.8)	25	1.530 (38.9)			

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660-083 Receptacle Cover

MM803 Receptacle Cover

660-083 protective cover fits Glenair Series 803 bayonet rceptacle connectors. Aluminum or stainless steel, with stainless steel fittings. Fluorosilicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel
-M	Electroless Nickel	-Z1 Passivated
-NF	Olive Drab Cadmium Nickel over Electroless Nickel Finish	
-ZN	Olive-Drab, Zinc Nickel Finish	
-C	Black Anodize Finish	
-ZNU	Black Zinc-Nickel Finish	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660-083	-C	U	9	06	-4
Base P/N	660-083					
Material/Finish	*See Table 1*					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Shell Size	5 6 7 8 9 10 12 14 15					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

Shell Size	ø B Max In.	mm.
5	.620	15.7
6	.620	15.7
7	.620	15.7
8	.690	17.5
9	.760	19.3
10	.850	21.6
12	.940	23.8
14	1.170	29.7
15	1.170	29.7

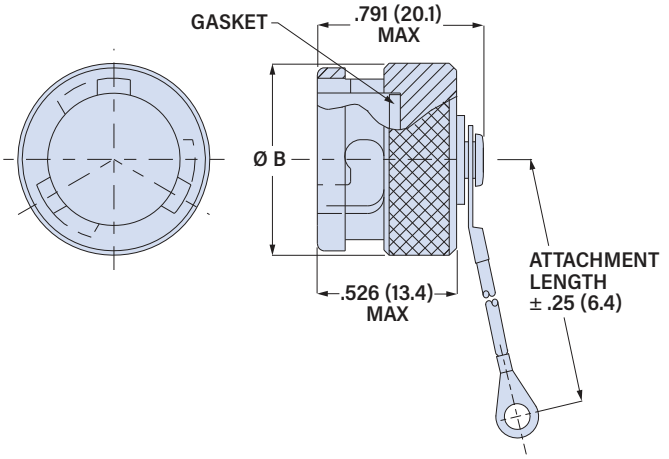

TABLE 3 ATTACHMENT RING

EYELET		SOLID RING		SOLID RING		SPLIT RING		CABLE TIE
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code WS
01	.125 (3.2)	32	.265 (6.7)	19	.885 (22.5)	50	.432 (11.0)	Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.
02	.145 (3.7)	29	.315 (8.0)	26	.950 (24.1)	52	.492 (12.5)	
04	.182 (4.6)	14	.385 (9.8)	28	1.015 (25.8)	54	.648 (16.5)	
06	.197 (5.0)	15	.445 (11.3)	20	1.070 (27.2)	56	.757 (19.2)	
		33	.510 (13.0)	21	1.135 (28.8)	58	.898 (22.8)	
		16	.570 (14.5)	22	1.210 (30.7)	60	1.023 (26.0)	
		17	.635 (16.1)	23	1.275 (32.4)	64	1.137 (28.9)	
		18	.695 (17.7)	24	1.380 (35.1)	68	1.357 (34.5)	
		27	.766 (19.5)	30	1.380 (35.1)			
		31	.820 (20.8)	25	1.530 (38.9)			

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Series 66 Protective Covers

for Series 804 Mighty Mouse Connectors

809-198 Plug Cover

MM804 Plug Cover

809-198 protective cover fits Glenair Series 804 push/pull plug connectors. Aluminum or stainless steel, with stainless steel fittings. Gold plated stainless steel spring, fluorosilicone O-ring.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel
C	Black Anodize	Z1 Passivate
M	Electroless Nickel	
NF	Olive Drab Cadmium	
MT	Nickel-PTFE	
ZR	Black Zinc-Nickel	
TZ	Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

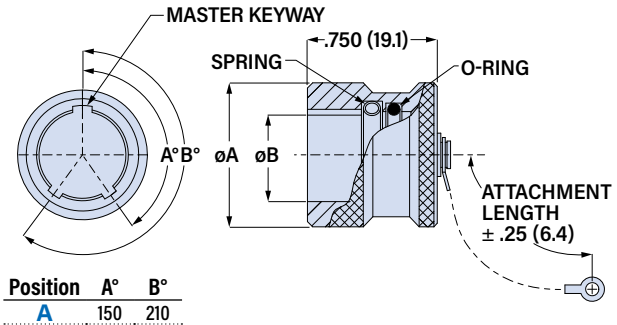
T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	809-198	ZR	12	U	6	-04	R
Base P/N	809-198						
Material/Finish	*See Table 1*						
Shell Size	5 6 7 8 9 10 12 14 15						
Attachment Type	-N No Attachment *See Table 2 for Attachment Types*						
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*						
Attachment Ring	*Omit for Attachment Types N and SK* *See Table 3 for Attachment Ring Codes*						
Keyway Position	*Omit for Single Master Keyway* A B C D E F						

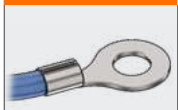
Shell Size	ø A Max In.	ø A Max mm.	ø B ± .015 (0.4) In.	ø B ± .015 (0.4) mm.
5	.496	12.6	.265	6.7
6	.570	14.5	.330	8.4
7	.645	16.4	.400	10.2
8	.665	16.9	.445	11.3
9	.720	18.3	.500	12.7
10	.790	20.1	.580	14.7
11	.835	21.2	.620	15.7
12	.915	23.2	.695	17.7
14	1.040	26.4	.815	20.7
15	1.100	27.9	.875	22.2



Position	A°	B°
A	150	210
B	75	210
C	95	230
D	140	275
E	75	275
F	95	210

TABLE 3 ATTACHMENT RING

EYELET



Code	Eyelet I.D. ± .010 (0.3)
01	.125 (3.2)
02	.145 (3.7)
04	.182 (4.6)
06	.197 (5.0)

SOLID RING

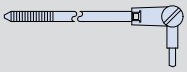
Code	Ring I.D. ± .015 (0.4)
32	.265 (6.7)
29	.315 (8.0)
14	.385 (9.8)
15	.445 (11.3)
33	.510 (13.0)
16	.570 (14.5)
17	.635 (16.1)
18	.695 (17.7)
27	.766 (19.5)
31	.820 (20.8)

Code	Ring I.D. ± .015 (0.4)
19	.885 (22.5)
26	.950 (24.1)
28	1.015 (25.8)
20	1.070 (27.2)
21	1.135 (28.8)
22	1.210 (30.7)
23	1.275 (32.4)
24	1.380 (35.1)
30	1.380 (35.1)
25	1.530 (38.9)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
50	.432 (11.0)
52	.492 (12.5)
54	.648 (16.5)
56	.757 (19.2)
58	.898 (22.8)
60	1.023 (26.0)
64	1.137 (28.9)
68	1.357 (34.5)

CABLE TIE



Code WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for Series 804 Mighty Mouse Connectors

667-202 Receptacle Cover

MM804 Receptacle Cover

667-202 protective cover fits Glenair Series 804 push/pull receptacle connectors. Aluminum or stainless steel, with stainless steel fittings. Optional stainless steel pull ring simplifies removal.

PART NUMBER

	667-202	ZR	12	U	6	-04	R
Base P/N	667-202						
Material/Finish	*See Table 1*						
Shell Size	5 6 7 8 9 10 12 14 15						
Attachment Type	-N No Attachment *See Table 2 for Attachment Types*						
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*						
Attachment Ring	***Omit for Attachment Types N and SK*** *See Table 3 for Attachment Ring Codes*						
Pull Ring	***Omit for None*** -R Pull Ring Supplied						

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel
C	Black Anodize	Z1 Passivate
M	Electroless Nickel	
NF	Olive Drab Cadmium	
MT	Nickel-PTFE	
ZR	Black Zinc-Nickel	
TZ	Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	ø A Max In.	ø A Max mm.	ø B Max In.	ø B Max mm.	H Max In.	H Max mm.
5	.490	12.4	.234	5.9	.740	18.8
6	.490	12.4	.297	7.5	.740	18.8
7	.570	14.5	.367	9.3	.820	20.8
8	.614	15.6	.414	10.5	.870	22.1
9	.680	17.3	.467	11.9	.920	23.4
10	.773	19.6	.548	13.9	1.030	26.2
11	.805	20.4	.600	15.2	1.060	26.9
12	.860	21.8	.658	16.7	1.110	28.2
14	.980	24.9	.781	19.8	1.230	31.2
15	1.045	26.5	.843	21.4	1.300	33.0

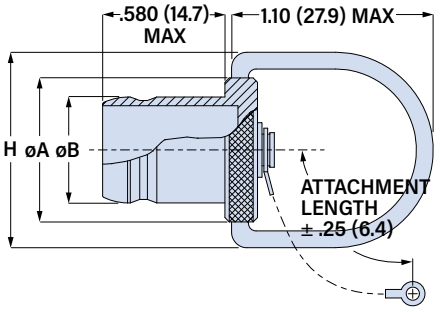

TABLE 3 ATTACHMENT RING

EYELET		SOLID RING		SOLID RING		SPLIT RING		CABLE TIE
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code WS
01	.125 (3.2)	32	.265 (6.7)	19	.885 (22.5)	50	.432 (11.0)	Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.
02	.145 (3.7)	29	.315 (8.0)	26	.950 (24.1)	52	.492 (12.5)	
04	.182 (4.6)	14	.385 (9.8)	28	1.015 (25.8)	54	.648 (16.5)	
06	.197 (5.0)	15	.445 (11.3)	20	1.070 (27.2)	56	.757 (19.2)	
		33	.510 (13.0)	21	1.135 (28.8)	58	.898 (22.8)	
		16	.570 (14.5)	22	1.210 (30.7)	60	1.023 (26.0)	
		17	.635 (16.1)	23	1.275 (32.4)	64	1.137 (28.9)	
		18	.695 (17.7)	24	1.380 (35.1)	68	1.357 (34.5)	
		27	.766 (19.5)	30	1.380 (35.1)			
		31	.820 (20.8)	25	1.530 (38.9)			

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Series 66 Protective Covers

for Series 804 Mighty Mouse Connectors

667-387 ProSeal™ Flip Lid Receptacle Cover

MM804 Receptacle Cover

ProSeal™ Flip Lid

Spring-loaded, waterproof. 667-387 ProSeal™ cover fits Glenair Series 804 Mighty Mouse jam nut receptacle connectors. Spring-loaded lid snaps onto connector face for dust-tight and water-tight seal (IP67). Gimballed disk and gasket assembly pivot to seat flat against connector face. Use connector jam nut to attach cover to .033" to .155" thick mounting panel. Lid stays open when raised to approximately 90°. Aluminum , with stainless steel spring and roll pins, Delrin sleeve and silicone gasket.

Compatibility

667-387 cover fits these rear panel mounting jam nut receptacles:

804-003-07
804-004-07
804-005-07
804-006-07
804-020-07
804-067-07

MATERIALS AND FINISHES

Lid, lever arm, bracket, disk: aluminum, plated per finish code
Spring, roll pins: SST/passivate
Sleeve: Delrin
Gasket: sponge silicone

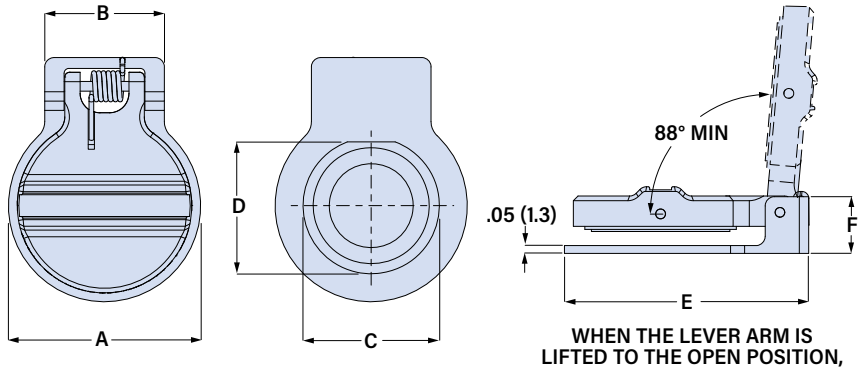
SPECIFICATIONS

Operating temperature: -40 to +120 °C
Water Ingress: IPX7 IEC 60529 14.2.7
Dust Ingress: IP6X IEC 60529 13.4, 13.5
Water spray: IPX4 IEC 60529 14.2.4

PART NUMBER

667-387	C	09	-1

Base P/N	**667-387**	
Finish	**C**	Black Anodize
	M	Electroless Nickel
	MT	Nickel-PTFE
	NF	Cadmium, Olive Drab
	ZR	Black Zinc-Nickel
	TZ	Tin-Zinc
Shell Size	**05 06 07 08 09 10 12 14 15**	
Panel Thickness	**-1**	.063 ± .030 (1.6 ± 0.76)
	-2	.125 ± .030 (3.2 ± 0.76)



WHEN THE LEVER ARM IS LIFTED TO THE OPEN POSITION, IT WILL REMAIN OPEN AT APPROXIMATELY 90° FROM RECEPTACLE FACE

Shell Size	ø A ± .015 (0.4) In.	ø A ± .015 (0.4) mm.	B ± .015 (0.4) In.	B ± .015 (0.4) mm.	ø C ± .015 (0.4) In.	ø C ± .015 (0.4) mm.	D Flat ± .002 (0.1) In.	D Flat ± .002 (0.1) mm.	E ± .015 (0.4) In.	E ± .015 (0.4) mm.	F
05	.690	17.5	.700	17.8	.448	11.4	.425	10.8	1.100	27.9	.063 Panel Thickness (Code 1) .43 (10.2)
06	.860	21.8	.700	17.8	.510	13.0	.477	12.1	1.200	30.5	
07	.870	22.1	.770	19.6	.635	16.1	.604	15.3	1.290	32.8	
08	.870	22.1	.770	19.6	.635	16.1	.604	15.3	1.290	32.8	
09	1.050	26.7	.770	19.6	.695	17.7	.665	16.9	1.350	34.3	
10	1.110	28.2	.770	19.6	.760	19.3	.732	18.6	1.420	36.1	.125 Panel Thickness (Code 2) .36 (9.1)
12	1.240	31.5	.770	19.6	.885	22.5	.853	21.7	1.570	39.9	
14	1.360	34.5	.890	22.6	1.010	25.7	.978	24.8	1.700	43.2	
15	1.420	36.1	.890	22.6	1.070	27.2	1.039	26.4	1.740	44.2	

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Series 66 Protective Covers

for Series 805 Mighty Mouse Connectors

667-261 Plug Cover

MM805 Plug Cover

667-261 protective cover fits Glenair Series 805 plug connectors. Aluminum or stainless steel, with stainless steel fittings. Fluorosilicone gasket.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel
-C	Black Anodize	-Z1 Passivate
-M	Electroless Nickel	
-NF	Olive Drab Cadmium	
-MT	Nickel-PTFE	
-ZR	Black Zinc-Nickel	
-TZ	Tin-Zinc	

PART NUMBER

	667-261	-M	-S	13	02	-5
Base P/N	667-261					
Material/Finish	*See Table 1*					
Attachment Type	-N No Attachment *See Table 2 for Attachment Types*					
Shell Size	8 9 10 11 12 13 15 18 19 21 23					
Attachment Ring	*Omit for Attachment Types N and SK* 00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	A Thread	ø C ± .015 (0.4) In.	mm.
8	.5000-.1P-.3L-TS-2A	.653	16.6
9	.5625-.1P-.3L-TS-2A	.715	18.0
10	.6250-.1P-.3L-TS-2A	.668	17.0
11	.6875-.1P-.3L-TS-2A	.841	21.4
12	.7500-.1P-.3L-TS-2A	.903	22.9
13	.8125-.1P-.3L-TS-2A	.965	24.5
15	.9375-.1P-.3L-TS-2A	1.091	27.7
18	1.1250-.1P-.3L-TS-2A	1.278	32.5
19	1.1875-.1P-.3L-TS-2A	1.340	34.0
21	1.3125-.1P-.3L-TS-2A	1.490	37.8
23	1.4375-.1P-.3L-TS-2A	1.600	40.6

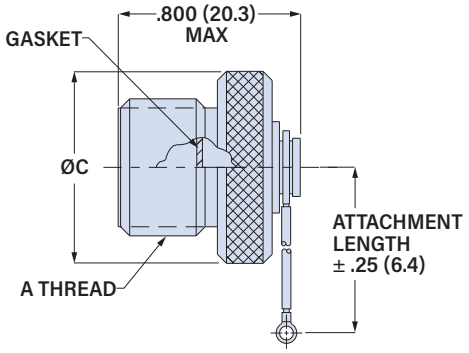


TABLE 3 ATTACHMENT RING

EYELET

Code	Eyelet I.D. ± .010 (0.3)
01	.125 (3.2)
02	.145 (3.7)
04	.182 (4.6)
06	.197 (5.0)

SOLID RING

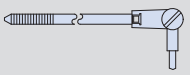
Code	Ring I.D. ± .015 (0.4)
32	.265 (6.7)
29	.315 (8.0)
14	.385 (9.8)
15	.445 (11.3)
33	.510 (13.0)
16	.570 (14.5)
17	.635 (16.1)
18	.695 (17.7)
27	.766 (19.5)
31	.820 (20.8)

Code	Ring I.D. ± .015 (0.4)
19	.885 (22.5)
26	.950 (24.1)
28	1.015 (25.8)
20	1.070 (27.2)
21	1.135 (28.8)
22	1.210 (30.7)
23	1.275 (32.4)
24	.766 (19.46)
30	1.380 (35.1)
25	1.530 (38.9)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
50	.432 (11.0)
52	.492 (12.5)
54	.648 (16.5)
56	.757 (19.2)
58	.898 (22.8)
60	1.023 (26.0)
64	1.137 (28.9)
68	1.357 (34.5)

CABLE TIE



Code WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for Series 805 Mighty Mouse Connectors

667-262 Receptacle Cover

MM805 Receptacle Cover

667-262 protective cover fits Glenair Series 805 receptacle connectors. Aluminum or stainless steel, with stainless steel fittings. Fluorosilicone gasket.

PART NUMBER

	667-262	-M	-S	13	02	-5
Base P/N	667-262					
Material/Finish	*See Table 1*					
Attachment Type	-N No Attachment *See Table 2 for Attachment Types*					
Shell Size	8 9 10 11 12 13 15 18 19 21 23					
Attachment Ring	*Omit for Attachment Types N and SK* -00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel
-C	Black Anodize	-Z1 Passivate
-M	Electroless Nickel	
-NF	Olive Drab Cadmium	
-MT	Nickel-PTFE	
-ZR	Black Zinc-Nickel	
-TZ	Tin-Zinc	

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	B Thread	ø C ± .015 (0.4) In.	mm.
8	.5000-.1P-.3L-TS-2B	.653	16.6
9	.5625-.1P-.3L-TS-2B	.715	18.0
10	.6250-.1P-.3L-TS-2B	.778	19.7
11	.6875-.1P-.3L-TS-2B	.850	21.6
12	.7500-.1P-.3L-TS-2B	.903	22.9
13	.8125-.1P-.3L-TS-2B	.965	24.5
15	.9375-.1P-.3L-TS-2B	1.091	27.7
18	1.1250-.1P-.3L-TS-2B	1.278	32.5
19	1.1875-.1P-.3L-TS-2B	1.340	34.0
21	1.3125-.1P-.3L-TS-2B	1.490	37.8
23	1.4375-.1P-.3L-TS-2B	1.600	40.6

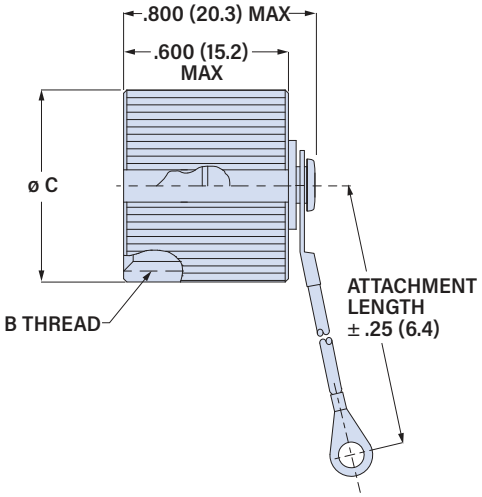


TABLE 3 ATTACHMENT RING

EYELET

Code	Eyelet I.D. ± .010 (0.3)
01	.125 (3.2)
02	.145 (3.7)
04	.182 (4.6)
06	.197 (5.0)

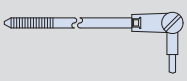
SOLID RING

Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
32	.265 (6.7)	19	.885 (22.5)
29	.315 (8.0)	26	.950 (24.1)
14	.385 (9.8)	28	1.015 (25.8)
15	.445 (11.3)	20	1.070 (27.2)
33	.510 (13.0)	21	1.135 (28.8)
16	.570 (14.5)	22	1.210 (30.7)
17	.635 (16.1)	23	1.275 (32.4)
18	.695 (17.7)	24	.766 (19.46)
27	.766 (19.5)	30	1.380 (35.1)
31	.820 (20.8)	25	1.530 (38.9)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
50	.432 (11.0)
52	.492 (12.5)
54	.648 (16.5)
56	.757 (19.2)
58	.898 (22.8)
60	1.023 (26.0)
64	1.137 (28.9)
68	1.357 (34.5)

CABLE TIE



Code WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 66 Protective Covers

for Series 805 Mighty Mouse Connectors

667-424, 667-462 ProSeal™ Flip Lid Receptacle Cover

MM805 Receptacle Cover
ProSeal™ Flip-and-Spin Lid

ProSeal™ Flip Lid

Spring-loaded, waterproof. ProSeal™ cover fits Glenair Series 805 Mighty Mouse receptacle connectors. Cover mounts onto standard connector jam nut or square flange mounting holes. Two lid styles are available: ***Flip Lid*** and ***Flip-and-Spin Lid***. Unthreaded flip lid has torsion spring and gimballed cover for dust-tight and water-tight sealing (IP67 rating). Flip-and-spin lid has threaded cover. Snap lid onto connector face, then hand-tighten ¼ turn for IP68 ingress protection plus IPX6 high pressure water spray. -40 to +120 °C.

PART NUMBER

	667-424	C	21	T1	W	-59

Base P/N	**667-462** Flip-and-Spin Lid **667-424** Flip Lid
Bracket Finish	**C** Black Anodize **M** Electroless Nickel **MT** Nickel-PTFE **NF** Cadmium, Olive Drab **ZR** Black Zinc-Nickel **TZ** Tin-Zinc
Shell Size	**08 09 10 11 12 13 15 18 19 21 23**
Panel Thickness	**T0** Front Mount *Mounting Type W only* **T1** Rear Panel Mount *.031-.062 (0.8/1.6) Thick Panel*
Mounting Type	**J** Jam Nut *fig.* ❶ **W** Square Flange *fig.* ❷
Modification Code	*Mod-59 is not available for P/N 667-462* **-59** Silver-Filled Silicone EMI Gasket

MATERIALS AND FINISHES

Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivit: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

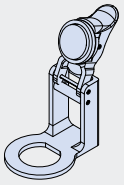
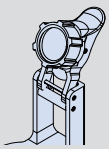
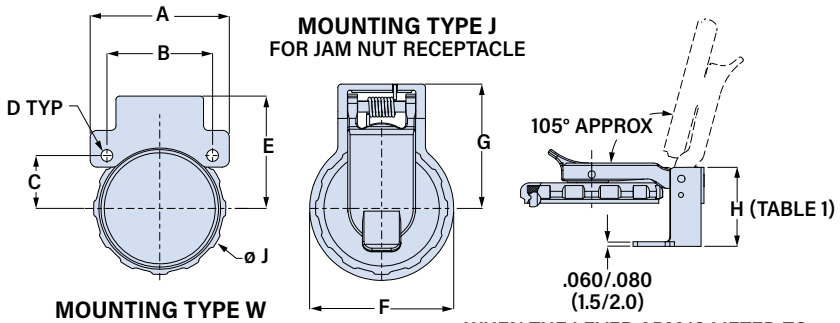
Fig. 1 Mounting Type J	*Fig.* 2 Mounting Type W
	
Jam Nut	Square Flange

TABLE 1 H DIMENSION

Panel Thickness Code		H Max Type J Jam Nut In.	H Max Type J Jam Nut mm.	H Max Type W Square Flange In.	H Max Type W Square Flange mm.
T0	Front Mount	N/A	N/A	.937	23.8
T1	.031/.062 (0.8/1.6)	.993	25.2	.875	22.2



Shell Size	A ± .015 (0.4) In.	A mm.	B ± .015 (0.4) In.	B mm.	C ± .015 (0.4) In.	C mm.	D ± .002 (0.1) In.	D mm.	E ± .031 (0.8) In.	E mm.	F ± .031 (0.8) In.	F mm.	G ± .031 (0.8) In.	G mm.	J Max In.	J Max mm.
08	.850	21.6	.660	16.8	.330	8.4	.094	2.4	.675	17.1	.768	19.5	.721	18.3	.720	18.3
09	.913	23.2	.723	18.4	.362	9.2	.094	2.4	.724	18.4	.906	23.0	.790	20.1	.782	19.9
10	.975	24.8	.785	19.9	.393	10.0	.094	2.4	.758	19.3	.906	23.0	.790	20.1	.845	21.5
11	1.039	26.4	.848	21.5	.424	10.8	.094	2.4	.780	19.8	.977	24.8	.825	21.0	.908	23.1
12	1.099	27.9	.909	23.1	.455	11.6	.094	2.4	.824	20.9	1.046	26.6	.860	21.8	.970	24.6
13	1.163	29.5	.973	24.7	.487	12.4	.094	2.4	.851	21.6	1.116	28.3	.895	22.7	1.032	26.2
15	1.288	32.7	1.058	26.9	.529	13.4	.128	3.3	1.083	27.5	1.256	31.9	.982	24.9	1.157	29.4
18	1.475	37.5	1.255	31.9	.628	16.0	.128	3.3	1.335	33.9	1.465	37.2	1.087	27.6	1.345	34.2
19	1.537	39.0	1.327	33.7	.664	16.9	.128	3.3	1.335	33.9	1.535	39.0	1.122	28.5	1.408	35.8
21	1.663	42.2	1.452	36.9	.726	18.4	.128	3.3	1.399	35.5	1.674	42.5	1.191	30.3	1.532	38.9
23	1.787	45.4	1.570	39.9	.785	19.9	.128	3.3	1.491	37.9	1.814	46.1	1.394	35.4	1.657	42.1

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Series 66 Protective Covers

for Series 806 Mil-Aero Connectors

667-441 Plug Cover

806 Plug Cover

667-441 protective cover fits Glenair Series 806 plug connectors. Aluminum, stainless steel, or composite. Stainless steel fittings. Fluorosilicone O-ring.

PART NUMBER

	667-441	ME	12	S	04	-5
Base P/N	667-441					
Material/Finish	*See Table 1*					
Shell Size	8 9 10 11 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Ring	*Omit for Attachment Types N and SK* 00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

TABLE 1 MATERIAL / FINISH

Aluminum	
C	Black Anodize
ME	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc

Stainless Steel	
Z1	Passivate
ZW	O.D. Cadmium
Composite	
XMD	Nickel
XMT	Nickel-PTFE
XW	O.D. Cadmium
XB	Unplated Black

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

TABLE 3 ATTACHMENT RING

EYELET

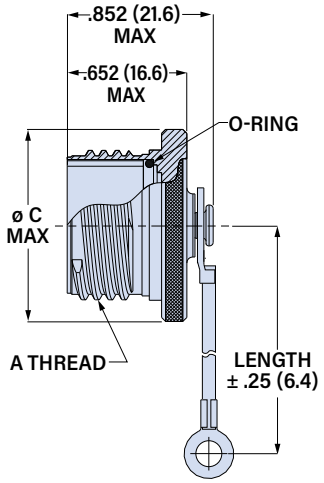
Code	Eyelet I.D. ± .010 (0.3)
04	.125 (3.2)
06	.145 (3.7)
08	.182 (4.6)
10	.197 (5.0)

SOLID RING

Code	Ring I.D. ± .015 (0.4)
12	.423 (10.7
14	.481 (12.2)
16	.560 (14.2)
18	.600 (15.2)
20	.635 (16.1)
22	.695 (17.7)
24	.715 (18.2)
26	.766 (19.5)
28	.845 (21.5)
30	.885 (22.5)
32	.950 (24.1)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
50	.432 (11.0)
52	.492 (12.5)
54	.648 (16.5)
56	.757 (19.2)
58	.898 (22.8)
60	1.023 (26.0)
64	1.137 (28.9)
68	1.357 (34.5)



Shell Size	ø C Max In.	ø C Max mm.	A Thread
8	.676	17.2	.5000-.067P-.2L-TS-2A
9	.771	19.6	.5625-.067P-.2L-TS-2A
10	.832	21.1	.6250-.067P-.2L-TS-2A
11	.890	22.6	.6875-.067P-.2L-TS-2A
12	.950	24.1	.7500-.067P-.2L-TS-2A
14	1.110	28.2	.8750-.067P-.2L-TS-2A
16	1.170	29.7	1.0000-.067P-.2L-TS-2A
18	1.350	34.3	1.1250-.067P-.2L-TS-2A
20	1.470	37.3	1.2500-.067P-.2L-TS-2A
22	1.600	40.6	1.3750-.067P-.2L-TS-2A
24	1.710	43.4	1.5000-.067P-.2L-TS-2A

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 66 Protective Covers

for Series 806 Mil-Aero Connectors

667-440 Receptacle Cover

806 Receptacle Cover

667-440 protective cover fits Glenair Series 806 receptacle connectors. Aluminum, stainless steel, or composite. Stainless steel fittings. Fluorosilicone gasket.

PART NUMBER

	667-440	ZR	14	F	04	-6
Base P/N	667-440					
Material/Finish	*See Table 1*					
Shell Size	8 9 10 11 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Ring	*Omit for Attachment Types N and SK* 00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
ME	Electroless Nickel	ZW	O.D. Cadmium
NF	Olive Drab Cadmium	**Composite**	
MT	Nickel-PTFE	XMD	Nickel
ZR	Black Zinc-Nickel	XMT	Nickel-PTFE
TZ	Tin-Zinc	XW	O.D. Cadmium
		XB	Unplated Black

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

TABLE 3 ATTACHMENT RING

EYELET

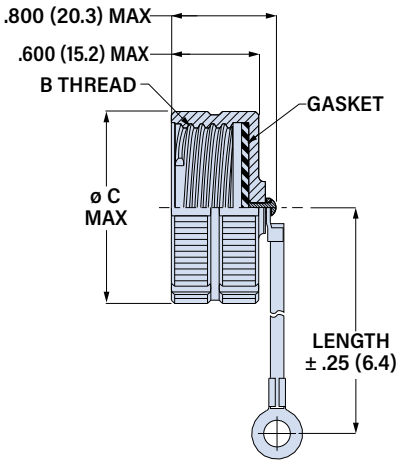
Code	Eyelet I.D. ± .010 (0.3)
04	.125 (3.2)
06	.145 (3.7)
08	.182 (4.6)
10	.197 (5.0)

SOLID RING

Code	Ring I.D. ± .015 (0.4)
12	.423 (10.7
14	.481 (12.2)
16	.560 (14.2)
18	.600 (15.2)
20	.635 (16.1)
22	.695 (17.7)
24	.715 (18.2)
26	.766 (19.5)
28	.845 (21.5)
30	.885 (22.5)
32	.950 (24.1)
34	1.015 (25.8)
36	1.070 (27.2)
38	1.135 (28.8)
40	1.210 (30.7)
42	1.275 (32.4)
44	1.380 (35.1)
46	1.470 (37.3)
48	1.625 (41.3)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
50	.432 (11.0)
52	.492 (12.5)
54	.648 (16.5)
56	.757 (19.2)
58	.898 (22.8)
60	1.023 (26.0)
64	1.137 (28.9)
68	1.357 (34.5)



Shell Size	ø C Max In.	ø C Max mm.	B Thread
8	.640	16.3	.5000-.067P-.2L-TS-2B
9	.730	18.5	.5625-.067P-.2L-TS-2B
10	.775	19.7	.6250-.067P-.2L-TS-2B
11	.828	21.0	.6875-.067P-.2L-TS-2B
12	.890	22.6	.7500-.067P-.2L-TS-2B
14	1.030	26.2	.8750-.067P-.2L-TS-2B
16	1.140	30.0	1.0000-.067P-.2L-TS-2B
18	1.280	32.5	1.1250-.067P-.2L-TS-2B
20	1.390	35.3	1.2500-.067P-.2L-TS-2B
22	1.515	38.5	1.3750-.067P-.2L-TS-2B
24	1.710	43.4	1.5000-.067P-.2L-TS-2B

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Series 66 Protective Covers

for Series 806 Mil-Aero Connectors

667-443 Receptacle Cover, Self-Locking

806 Receptacle Cover

667-443 protective cover fits Glenair Series 806 receptacle connectors. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Coupling nut and barrel are aluminum, SST or composite. Thermoplastic detent spring, SST rivit and fittings.

PART NUMBER

	667-443	XM	12	G	04	-5
Base P/N	667-443					
Material/Finish	*See Table 1*					
Shell Size	8 9 10 11 12 14 16 18 20 22 24					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Ring	*Omit for Attachment Types N and SK* 00 No Ring *See Table 3 for Attachment Ring Codes*					
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
C	Black Anodize	Z1	Passivate
ME	Electroless Nickel	ZW	O.D. Cadmium
NF	Olive Drab Cadmium	**Composite**	
MT	Nickel-PTFE	XMD	Nickel
ZR	Black Zinc-Nickel	XMT	Nickel-PTFE
TZ	Tin-Zinc	XW	O.D. Cadmium
		XB	Unplated Black

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

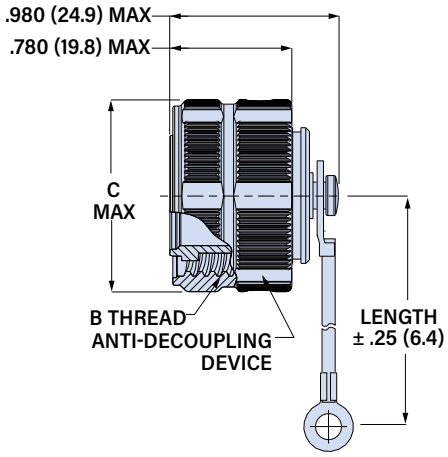
H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C



Shell Size	ø C Max In.	ø C Max mm.	B Thread
8	.676	17.2	.5000-.067P-.2L-TS-2B
9	.771	19.6	.5625-.067P-.2L-TS-2B
10	.832	21.1	.6250-.067P-.2L-TS-2B
11	.890	22.6	.6875-.067P-.2L-TS-2B
12	.950	24.1	.7500-.067P-.2L-TS-2B
14	1.110	28.2	.8750-.067P-.2L-TS-2B
16	1.170	29.7	1.0000-.067P-.2L-TS-2B
18	1.350	34.3	1.1250-.067P-.2L-TS-2B
20	1.470	37.3	1.2500-.067P-.2L-TS-2B
22	1.600	40.6	1.3750-.067P-.2L-TS-2B
24	1.710	43.4	1.5000-.067P-.2L-TS-2B

TABLE 3 ATTACHMENT RING

EYELET		SOLID RING		SOLID RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
04	.125 (3.2)	12	.423 (10.7	32	.950 (24.1)	50	.432 (11.0)
06	.145 (3.7)	14	.481 (12.2)	34	1.015 (25.8)	52	.492 (12.5)
08	.182 (4.6)	16	.560 (14.2)	36	1.070 (27.2)	54	.648 (16.5)
10	.197 (5.0)	18	.600 (15.2)	38	1.135 (28.8)	56	.757 (19.2)
		20	.635 (16.1)	40	1.210 (30.7)	58	.898 (22.8)
		22	.695 (17.7)	42	1.275 (32.4)	60	1.023 (26.0)
		24	.715 (18.2)	44	1.380 (35.1)	64	1.137 (28.9)
		26	.766 (19.5)	46	1.470 (37.3)	68	1.357 (34.5)
		28	.845 (21.5)	48	1.625 (41.3)		
		30	.885 (22.5)				

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Series 66 Protective Covers

for Series 806 Mil-Aero Connectors

667-511, 667-512 ProSeal™ Flip Lid Receptacle Cover

806 Receptacle Cover

ProSeal™ Flip-and-Spin Lid

ProSeal™ Flip Lid

Spring-loaded, waterproof. ProSeal™ cover fits Glenair Series 806 receptacle connectors. Cover mounts onto standard connector square flange mounting holes. Two lid styles are available: *Flip Lid* and *Flip-and-Spin Lid*. Unthreaded flip lid has torsion spring and gimballed cover for dust-tight and water-tight sealing (IP67 rating). Flip-and-spin lid has threaded cover. Snap lid onto connector face, then hand-tighten ¼ turn for IP68 ingress protection plus IPX6 high pressure water spray. -40 to +120 °C.

PART NUMBER

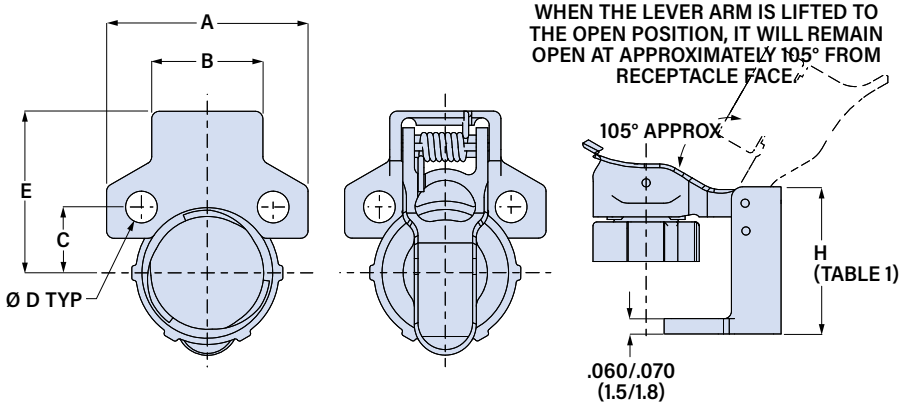
	667-512	C	16	T1	W	-59
Base P/N	**667-511** Flip Lid **667-512** Flip-and-Spin Lid					
Bracket Finish		**C** Black Anodize **M** Electroless Nickel **MT** Nickel-PTFE **NF** Cadmium, Olive Drab **ZR** Black Zinc-Nickel **TZ** Tin-Zinc				
Shell Size			**8 9 10 11 12 14 16 18 20 22 24**			
Panel Mounting Style				**T0** Front Mount **T1** Rear Panel Mount *.031-.062 (0.8/1.6) Thick Panel*		
Mounting Type					**W** Square Flange	
Modification Code						*Mod-59 is not available for P/N 667-512* **-59** Silver-Filled Silicone EMI Gasket

MATERIALS AND FINISHES

Lid, lever arm, gimbal: thermoplastic, black
Bracket: aluminum, plated per finish code
Spring, pin, rivit: SST/passivate
Sleeve: Delrin
Gasket: silicone
Conductive gasket: silver-filled silicone

TABLE 1 H DIMENSION

Panel Thickness Code		H Max Size 8-12 In.	H Max Size 8-12 mm.	H Max Size 14-24 In.	H Max Size 14-24 mm.
T0	Front Mount	.940	23.9	.875	22.2
T1	.031/.062 (0.8/1.6)	.878	22.3	.813	20.7



Shell Size	A In.	A mm.	B In.	B mm.	C In.	C mm.	D ± .002 (0.1) In.	D ± .002 (0.1) mm.	E ± .031 (0.8) In.	E ± .031 (0.8) mm.
8	.842	21.4	.531	13.5	.266	6.8	.128	3.3	.651	16.5
9	.905	23.0	.594	15.1	.297	7.5	.128	3.3	.724	18.4
10	.933	23.7	.625	15.9	.313	8.0	.128	3.3	.758	19.3
11	.980	24.9	.670	17.0	.335	8.5	.128	3.3	.781	19.8
12	1.058	26.9	.765	19.4	.383	9.7	.128	3.3	.814	20.7
14	1.156	29.4	.859	21.8	.430	10.9	.128	3.3	.935	23.7
16	1.250	31.8	.938	23.8	.469	11.9	.128	3.3	1.003	25.5
18	1.341	34.1	1.016	25.8	.508	12.9	.128	3.3	1.082	27.5
20	1.467	37.3	1.109	28.2	.555	14.1	.154	3.9	1.118	28.4
22	1.593	40.5	1.203	30.6	.602	15.3	.154	3.9	1.334	33.9
24	1.719	43.7	1.312	33.3	.656	16.7	.154	3.9	1.398	35.5

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Series 66 Protective Covers

for Series 970 PowerTrip® Connectors

660PS097 Plug Cover

PowerTrip Plug Cover

660PS097 protective cover fits Glenair Series 970 PowerTrip plug connectors. Aluminum, stainless steel or marine bronze. Stainless steel fittings.

PART NUMBER

	660PS097	ME	24	S	6	-01
Base P/N	660PS097					
Material/Finish	*See Table 1*					
Shell Size	18 20 24 28 32 36 40					
Attachment Type	N No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** -00 No Ring *See Table 3 for Attachment Ring Codes*					

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
ME	Electroless Nickel	Z1	Passivate
MT	Nickel-PTFE	ZMT	Nickel-PTFE
NF	Olive Drab Cadmium	**Marine Bronze**	
ZR	Black Zinc-Nickel	AB	Unplated
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

Shell Size	E Thread	ø F Max In.	ø F Max mm.
18	1.125-.1P-.3L-TS-2A	1.417	36.0
20	1.250-.1P-.3L-TS-2A	1.535	39.0
24	1.500-.1P-.3L-TS-2A	1.772	45.0
28	1.750-.1P-.3L-TS-2A	2.007	51.0
32	2.000-.1P-.3L-TS-2A	2.244	57.0
36	2.250-.1P-.3L-TS-2A	2.480	63.0
40	2.500-.1P-.3L-TS-2A	2.716	69.0

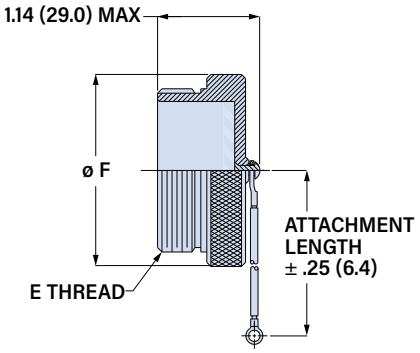
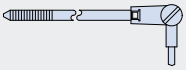


TABLE 3 ATTACHMENT RING

EYELET Code	EYELET I.D. ± .010 (0.3)	STYLE A RING Code	STYLE A RING I.D. ± .015 (0.4)	STYLE B RING Code	STYLE B RING I.D. ± .015 (0.4)	SPLIT RING Code	SPLIT RING I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie
1.77 (45.0) max. wire bundle dia.

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Series 66 Protective Covers

for Series 970 PowerTrip® Connectors

660PS098 Receptacle Cover

PowerTrip Receptacle Cover

660PS098 protective cover fits Glenair Series 970 PowerTrip receptacle connectors. Aluminum, stainless steel or marine bronze. Silicone gasket, stainless steel fittings.

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
ME	Electroless Nickel	Z1	Passivate
MT	Nickel-PTFE	ZMT	Nickel-PTFE
NF	Olive Drab Cadmium	**Marine Bronze**	
ZR	Black Zinc-Nickel	AB	Unplated
TZ	Tin-Zinc		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel. Length tolerance is ± one link .280 (7.1)

SK — Nylon Rope with Slip Knot
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter. Length includes .5" (13mm) dia. loop, -55 to +100 °C

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — Wire Rope, Black Polyurethane
Stainless steel rope with black polyurethane coating, flexible, excellent abrasion resistance and resistance to fuels, .080" (2mm) diameter, -55 to +125 °C

PART NUMBER

	660PS098	ME	20	H	5	-04
Base P/N	**660PS098**					
Material/Finish	*See Table 1*					
Shell Size	**18 20 24 28 32 36 40**					
Attachment Type	**WN** No Attachment *See Table 2 for Attachment Types*					
Attachment Length	***Omit for Attachment Type N*** *Length in One Inch Increments*					
Attachment Ring	***Omit for Attachment Types N and SK*** **-00** No Ring *See Table 3 for Attachment Ring Codes*					

Shell Size	E Thread	ø F Max In.	ø F Max mm.
18	1.125-.1P-.3L-TS-2B	1.417	36.0
20	1.250-.1P-.3L-TS-2B	1.535	39.0
24	1.500-.1P-.3L-TS-2B	1.772	45.0
28	1.750-.1P-.3L-TS-2B	2.007	51.0
32	2.000-.1P-.3L-TS-2B	2.244	57.0
36	2.250-.1P-.3L-TS-2B	2.480	63.0
40	2.500-.1P-.3L-TS-2B	2.716	69.0

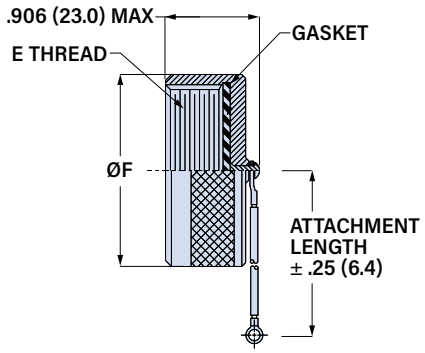
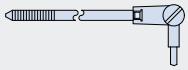


TABLE 3 ATTACHMENT RING

EYELET		STYLE A RING		STYLE B RING		SPLIT RING	
Code	Eyelet I.D. ± .010 (0.3)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-06	.125 (3.2)	-095	.312 (7.9)	-10	.593 (15.1)	-50	.425 (10.8)
-01	.140 (3.6)	-100	.391 (9.9)	-12	.718 (18.2)	-52	.485 (12.3)
-09	.156 (4.0)	-101	.516 (13.1)	-13	.765 (19.4)	-54	.640 (16.3)
-05	.167 (4.2)	-103	.641 (16.3)	-14	.844 (21.4)	-56	.750 (19.1)
-02	.182 (4.6)	-104	.708 (18.0)	-15	.890 (22.6)	-58	.890 (22.6)
-03	.191 (4.9)	-105	.766 (19.5)	-17	1.015 (25.8)	-60	1.015 (25.8)
-04	.197 (5.0)	-106	.896 (22.8)	-19	1.140 (29.0)	-62	1.095 (27.8)
-07	.218 (5.5)	-107	1.016 (25.8)	-20	1.203 (30.6)	-64	1.130 (28.7)
		-108	1.141 (29.0)	-21	1.265 (32.1)	-66	1.250 (31.8)
CABLE TIE		-208	1.203 (30.6)	-22	1.343 (34.1)	-68	1.350 (34.3)
		-109	1.266 (32.2)	-24	1.484 (37.7)	-70	1.375 (34.9)
		-110	1.391 (35.3)	-27	1.640 (41.7)	-72	1.485 (37.7)
		-111	1.521 (38.6)	-29	1.765 (44.8)	-74	1.625 (41.3)
		-112	1.641 (41.7)	-30	1.890 (48.0)	-76	1.750 (44.5)
		-113	1.766 (44.9)	-31	1.953 (49.6)	-80	1.980 (50.3)
		-114	1.891 (48.0)	-33	2.077 (52.8)	-84	2.235 (56.8)
		-115	2.078 (52.8)	-36	2.187 (55.5)	-86	2.310 (58.7)
		-116	2.406 (61.1)	-40	2.406 (61.1)	-88	2.475 (62.9)
		-117	2.510 (63.8)	-44	2.656 (67.5)	-90	2.655 (67.4)



-WS
Black 6/6 nylon cable tie 1.77 (45.0) max. wire bundle dia.

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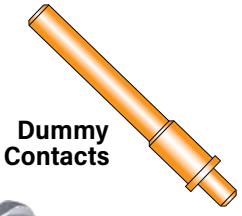
Miscellaneous Accessories

Jam Nuts, Splice Rings, Dummy Contacts, Grommet Nuts, Bushings

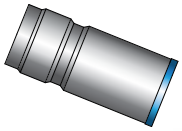
Selection Guide

Miscellaneous Accessories


Dummy Contacts

Jam Nuts

Splice Ring


Sealing Boot

Telescoping Bushings

Grommet Nuts

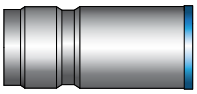
Bushing Strips

Potting Boots

Dummy Contacts

680-116
Page 68-2

Sealing Boot for #8 Contacts



859-165
Page 68-2

Jam Nuts

M26482, M83723, AS502151, M38999 Ser. I and II, M26500, M28840
MS3186
Page 68-3

MIL-DTL-38999 Series III and IV Metric Thread
687-915
Page 68-4

Series 80 Mighty Mouse Spanner Nut
809-094
Page 68-4

Series 80 Mighty Mouse Hex Nut
809-035
Page 68-54

Splice Ring

687-207
Page 68-5

Grommet Nuts

610-011
610-012
Page 68-6

Potting Boots

307-037
307-029
Page 68-9

Rubber Bushings

Telescoping Bushing
M85049/139
Page 68-8

Bushing Strip
M85049/127
Page 68-7

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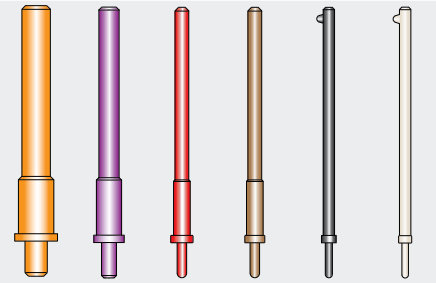
680-116, 680-120, 859-165 Dummy Contact Sealing Plugs, Sealing Boot

680-116, 680-120 DUMMY CONTACT GROMMET SEALING PLUGS

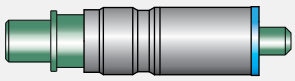


Weight-saving, high temperature. Dummy contacts maintain environmental sealing in empty rear-release crimp connector cavities. Compatible with MIL-DTL-38999 connectors along with Glenair Series 80 Mighty Mouse and Series 806 ultraminiature circular connectors. Made of chemical-resistant thermoplastic, these dummy contacts are available in sizes 8, 12, 16, 20, 20HD, 22, and 22HD/23. Sealing plug tail protrudes from grommet to facilitate removal with standard extraction tools. Rated for +200 °C continuous operating temperature, these sealing plugs save weight compared to installing both an unused contact and a grommet sealing plug. ***Size 8 sealing plug requires 859-165-02 sealing boot for environmental seal.***

Size #8 with Optional Sealing Boot

Size 8 sealing plug is available with sealing boot for use in cavities accepting coax, twinax or quadrax contacts. Dummy contact will not maintain environmental seal unless paired with sealing boot.

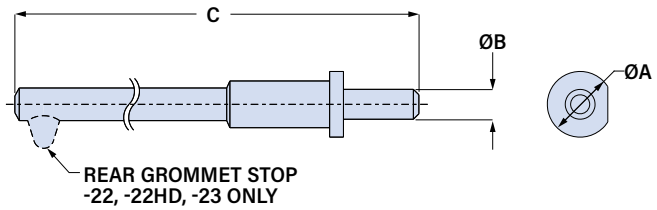
680-116-8
Less Sealing Boot



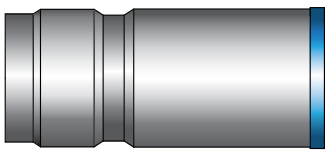
680-116-8B
Includes 859-165-02 Sealing Boot

Dummy Contact Part Number

Size	Sealing Boot Included	Part Number	Color	Material	øA ± .015 (0.4) in	øA ± .015 (0.4) mm	øB ± .015 (0.4) in	øB ± .015 (0.4) mm	C Max in	C Max mm
8	No	680-116-8	Green	FEP	.315	8.0	.218	5.54	1.510	38.4
	Yes	680-116-8B	Green	FEP	.315	8.0	.218	5.54	1.510	38.4
12	N/A	680-116-12	Orange	PPSU	.181	4.6	.094	2.39	1.180	30.0
16	N/A	680-116-16	Violet	PPSU	.128	3.3	.062	1.57	1.180	30.0
20	N/A	680-116-20	Red	PPSU	.093	2.4	.040	1.02	1.180	30.0
20HD	N/A	680-120-20HD	Brown	PPSU	.084	2.1	.040	1.02	1.180	30.0
22	N/A	680-116-22	Black	PPSU	.061	1.5	.030	0.76	1.180	30.0
22HD, 23	N/A	680-116-23	Bone	PPSU	.054	1.4	.027	0.69	1.180	30.0



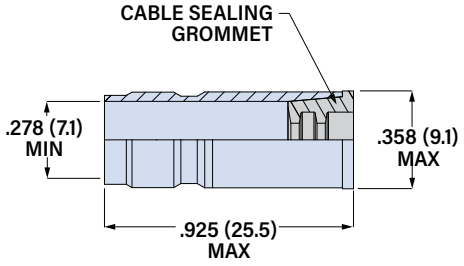
859-165 SEALING BOOT, SIZE 8



High temperature, chemical resistant. Size 8 sealing boots maintain environmental seal in connectors with size 8 coax, twinax or quadrax contacts. Fits MIL-DTL-38999, Series 80 Mighty Mouse and Series 806 Mil-Aero connectors. Slide boot over cable (grommet end first) before attaching contact to cable. After contact is assembled and installed into connector cavity, slide sealing boot forward until rigid dielectric boot body seats into connector rear grommet. For contact removal, sealing boot can be removed without the use of a tool. Blue fluorosilicone grommet, black PEI body. -65 to +200 °C.

Boot Part Number

Cable Jacket Diameter in	Cable Jacket Diameter mm	Part Number
.090/.130	2.3/3.3	859-165-01
.130/.170	3.3/4.3	859-165-02
.170/.205	4.3/5.2	859-165-03



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Miscellaneous Accessories

Jam Nuts, Splice Rings, Dummy Contacts, Grommet Nuts, Bushings

MS3186 Hex Jam Nut for M26482, M83723, AS50151, M38999 series I, M26500 and M28840 connectors

MS3186 hex nuts fit jam nut mounting mil spec circular connectors. Available in aluminum, cold-rolled steel and stainless steel in a variety of finishes, these jam nuts have drilled safety wire holes. Jam nuts for bayonet connectors have one or two slots to fit over bayonet pins.

PART NUMBER

	MS3186	A	113	W

Base P/N	**MS3186**
Material	**A** Aluminum **C** Stainless Steel **S** Cold-Rolled Steel
Dash Number	*See Table 1*
Finish	*See Table 2*

TABLE 2 FINISH

Aluminum (Material Code A)	
A	Black Anodize
C	Clear Cadmium
M	Nickel-PTFE
N	Electroless Nickel
W	Olive Drab Cadmium
Z	Black Zinc-Nickel
Stainless Steel (Material Code C)	
B	Black Cadmium
E	Electrodeposited Nickel
P	Passivate
W	Olive Drab Cadmium
Cold-Rolled Steel (Material Code S)	
T	Tin

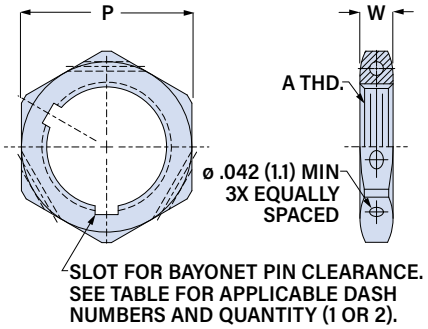

TABLE 1 DASH NUMBER

AS50151		MIL-DTL-26482 M83723 SER. I		MIL-DTL-83723 SERIES III		MIL-DTL-38999 Series I		MIL-DTL-38999 Series II		MIL-DTL-26500		MIL-DTL-28840	
Shell Size	Dash No.	Shell Size	Dash No.	Shell Size	Dash No.	Shell Size	Dash No.	Shell Size	Dash No.	Shell Size	Dash No.	Shell Size	Dash No.
8	101	8	102	8	105	9	106	8	109	8	104	A (11)	109
10	103	10	106	10	107	11	108	10	111	10	107	B (13)	111
12	107	12	109	12	110	13	111	12	113	12	110	C (15)	114
14	109	14	111	14	111	15	113	14	116	14	111	D (17)	116
16	111	16	113	16(1)	112	17	116	16	117	16	112	E (19)	118
18	113	18	116	16(2)	113	19	117	18	120	18	115	F (23)	121
20	116	20	117	18	116	21	120	20	121	20	117	G (25)	122
22	117	22	120	20	117	23	121	22	122	22	119	H (29)	124
24	120	24	121	22	120	25	122	24	123	24	121	J (33)	126
28	122			24	121								
32	125			(1) Bayonet									
36	127			(2) Threaded									
40	128												
44	129												
48	130												

Dash No.	A Thread	P Hex ± .017 (0.4) in	P Hex ± .017 (0.4) mm	Number of Slots	W ± .017 (0.4) in	W ± .017 (0.4) mm
101	.500-28 UNEF-2B	.687	17.4	None	.125	3.2
102	.5625-24 UNEF-2B	.750	19.1	2	.125	3.2
103	.625-24 UNEF-2B	.812	20.6	None	.125	3.2
104	.625-20 UN-2B	.812	20.6	2	.125	3.2
105	.625-20 UN-2B	.812	20.6	2	.125	3.2
106	.6875-24 UNEF-2B	.875	22.2	1	.125	3.2
107	.750-20 UNEF-2B	.937	23.8	2	.125	3.2
108	.8125-20 UNEF-2B	1.000	25.4	1	.125	3.2
109	.875-20 UNEF-2B	1.062	27.0	1	.125	3.2
110	.9375-20 UNEF-2B	1.125	28.6	1	.125	3.2
111	1.000-20 UNEF-2B	1.188	30.2	1	.125	3.2
112	1.125-20 UN-2B	1.312	33.3	1	.125	3.2
113	1.125-18 UNEF-2B	1.312	33.3	1	.125	3.2
114	1.1875-18 UNEF-2B	1.375	34.9	None	.125	3.2
115	1.250-20 UN-2B	1.438	36.5	None	.125	3.2

Dash No.	A Thread	P Hex ± .017 (0.4) in	P Hex ± .017 (0.4) mm	Number of Slots	W ± .017 (0.4) in	W ± .017 (0.4) mm
116	1.250-18 UNEF-2B	1.438	36.5	1	.125	3.2
117	1.375-18 UNEF-2B	1.562	39.7	1	.125	3.2
118	1.4375-18 UNEF-2B	1.625	41.3	None	.125	3.2
119	1.500-20 UN-2B	1.688	42.9	None	.125	3.2
120	1.500-18 UNEF-2B	1.688	42.9	1	.125	3.2
121	1.625-18 UNEF-2B	1.812	46.0	1	.125	3.2
122	1.750-18 UNS-2B	2.000	50.8	1	.125	3.2
123	1.875-16 UN-2B	2.125	54.0	None	.125	3.2
124	1.9375-16 UN-2B	2.187	55.5	None	.189	4.8
125	2.000-18 UNS-2B	2.250	57.2	None	.189	4.8
126	2.125-16 UN-2B	2.375	60.3	None	.189	4.8
127	2.250-16 UN-2B	2.500	63.5	None	.189	4.8
128	2.500-16 UN-2B	2.750	69.9	None	.189	4.8
129	2.750-16 UN-2B	3.000	76.2	None	.189	4.8
130	3.000-16 UN-2B	3.250	82.6	None	.189	4.8

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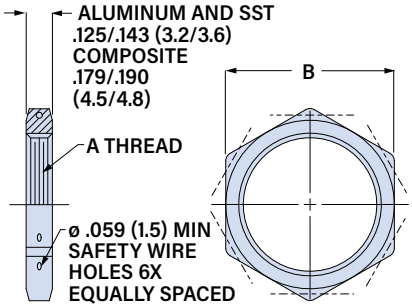
687-915, 809-094 Jam Nuts

687-915 METRIC JAM NUTS FOR MIL-DTL-38999 SERIES III AND IV RECEPTACLES

Available in aluminum, composite and stainless steel in a variety of finishes, these jam nuts have six drilled safety wire holes.



MIL-DTL-38999 SERIES III AND IV

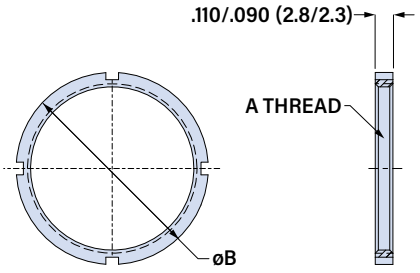
Shell Size Series III	Shell Size Series IV	Part No. ✳ = *Material/Finish Code (Table 1)*	A Thread Isometric	B Hex Max in	B Hex Max mm
9	—	687-915✳1	M17X1-6H	.945	24.0
11	—	687-915✳2	M20X1-6H	1.063	27.0
13	11	687-915✳3	M25X1-6H	1.260	32.0
15	13	687-915✳4	M28X1-6H	1.417	36.0
—	15	687-915✳5	M31X1-6H	1.614	41.0
17	—	687-915✳6	M32X1-6H	1.457	37.0
—	17	687-915✳7	M34X1-6H	1.614	41.0
19	—	687-915✳8	M35X1-6H	1.614	41.0
21	19	687-915✳9	M38X1-6H	1.811	46.0
23	21	687-915✳10	M41X1-6H	1.969	50.0
25	23	687-915✳11	M44X1-6H	2.017	51.2
—	25	687-915✳12	M47X1-6H	2.165	55.0

TABLE 1 MATL/ FINISH

Aluminum	
ME	Electroless Nickel (Class F, G, R)
G	Hardcoat Anodize (Class C)
MT	Nickel-PTFE (Class T)
NF	Olive Drab Cadmium (Class W)
ZR	Black Zinc-Nickel (Class Z)
Stainless Steel	
Z1	Passivate (Class K, H, Y)
ZL	Nickel (Class N, S, L)
Composite	
XW	Olive Drab Cadmium (Class J)
XM	Electroless Nickel (Class M)
XO	Unplated (Class J, M)

809-094 SPANNER NUTS FOR SERIES 80 MIGHTY MOUSE JAM NUT RECEPTACLES

These spanner-type nuts fit Series 80 Mighty Mouse jam nut receptacles.



Shell Size 800	Shell Size 801	Shell Size 804 Fr.-Mt.	Shell Size 804 Rr.-Mt.	Shell Size 805	Part Number ✳ = *Material/Finish Code (Table 1)*	A Thread	øB ± .010 (0.3) in	øB ± .010 (0.3) mm
5					809-094-✳1	.3125-28 UN-2B	.43	10.9
6	5				809-094-✳2	.3750-28 UN-2B	.50	12.7
7	6				809-094-✳3	.4375-28 UNEF-2B	.56	14.2
			5		809-094-✳3-3	.4375-32 UN-2B	.56	14.2
8		5	6		809-094-✳4	.5000-32 UN-2B	.62	15.7
				8	809-094-✳5	.5625-28 UN-2B	.68	17.3
9	7,8	6			809-094-✳5-5	.5625-32 UN-2B	.68	17.3
	9		7,8		809-094-✳6	.6250-28 UN-2B	.75	19.1
10					809-094-✳6-6	.6250-32 UN-2B	.75	19.1
	10	7,8	9	9,10	809-094-✳7	.6875-28 UN-2B	.81	20.6
12	11	9	10	11	809-094-✳8	.7500-28 UN-2B	.87	22.1
		10	11	12	809-094-✳9	.8125-28 UN-2B	.93	23.6
14	13	11	12	13	809-094-✳10	.8750-28 UN-2B	1.00	25.4
15					809-094-✳11	.9375-28 UN-2B	1.06	26.9
		12	14	15	809-094-✳12	1.0000-28 UN-2B	1.12	28.4
	16	14	15		809-094-✳13	1.0625-20 UN-2B	1.18	30.0
	17	15			809-094-✳14	1.1250-28 UN-2B	1.25	31.8
				18	809-094-✳15	1.1875-28 UN-2B	1.31	33.3
	19			19	809-094-✳16	1.2500-28 UN-2B	1.37	34.8
	21			21	809-094-✳18	1.3750-28 UN-2B	1.50	38.1
				23	809-094-✳20	1.5000-28 UN-2B	1.62	41.1

TABLE 1 MATL/ FINISH

Aluminum	
M	Electroless Nickel
MT	Nickel-PTFE
NF	Olive Drab Cadmium
ZR	Black Zinc-Nickel
TZ	Tin-Zinc
Stainless Steel	
Z1	Passivate

TIGHTENING TOOL

Series	Tool Part Number
800, 801	600-146
804	600-147
805	600-154

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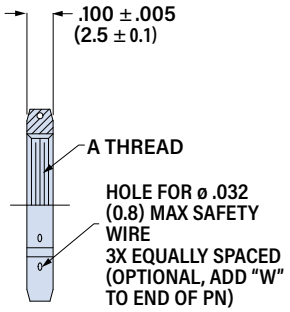
809-035 Jam Nut, 687-207 Splice Ring

809-035 HEX JAM NUT FOR SERIES 80 MIGHTY MOUSE RECEPTACLES

809-035 jam nuts fit Series 80 Mighty Mouse receptacles. Available in aluminum or stainless steel, these jam nuts have optional safety wire holes. Add "W" to end of part number for safety wire holes.

A Thread	Part Number ✳ = Material/Finish Code (Table I)	B Hex ± .015 (0.4) in	B Hex ± .015 (0.4) mm	øC ± .015 (0.4) in	øC ± .015 (0.4) mm
.2500-32 UNEF-2B	809-035✳01	.375	9.5	.403	10.2
.3125-28 UN-2B	809-035✳02	.438	11.1	.475	12.1
.3125-32 UNEF-2B	809-035✳03	.438	11.1	.475	12.1
.3750-28 UN-2B	809-035✳04	.500	12.7	.547	13.9
.4375-28 UNEF-2B	809-035✳05	.563	14.3	.620	15.7
.5000-32 UN-2B	809-035✳23	.625	15.9	.690	17.5
.5625-24 UNEF-2B	809-035✳06	.688	17.5	.755	19.2
.5625-28 UN-2B	809-035✳16	.688	17.5	.755	19.2
.5625-32 UN-2B	809-035✳07	.688	17.5	.755	19.2
.6250-20 UN-2B	809-035✳24	.688	17.5	.755	19.2
.6250-28 UN-2B	809-035✳08	.750	19.1	.830	21.1
.6875-28 UN-2B	809-035✳09	.813	20.7	.898	22.8
.7500-28 UN-2B	809-035✳10	.875	22.2	.970	24.6
.8125-28 UN-2B	809-035✳17	.938	23.8	1.030	26.2
.8750-28 UN-2B	809-035✳11	1.000	25.4	1.078	27.4
.9375-20 UNEF-2B	809-035✳12	1.063	27.0	1.187	30.1
.9375-28 UN-2B	809-035✳13	1.063	27.0	1.187	30.1
1.0000-28 UN-2B	809-035✳18	1.125	28.6	1.200	30.5
1.0625-20 UN-2B	809-035✳14	1.188	30.2	1.264	32.1
1.1250-28 UN-2B	809-035✳15	1.250	31.8	1.325	33.7
1.1875-28 UN-2B	809-035✳19	1.313	33.4	1.415	35.9
1.2500-28 UN-2B	809-035✳20	1.375	34.9	1.490	37.8
1.3750-28 UN-2B	809-035✳22	1.500	38.1	1.625	41.3
1.5000-28 UN-2B	809-035✳21	1.625	41.3	1.750	44.5



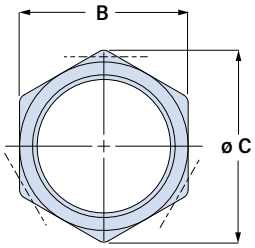
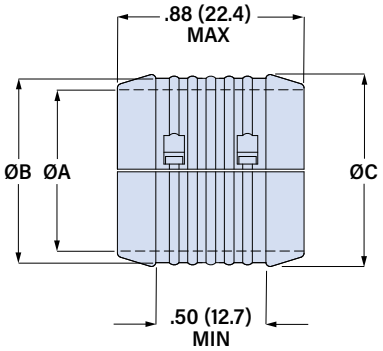


TABLE 1 MATL/ FINISH

Aluminum	
M	Electroless Nickel
MT	Nickel-PTFE
NF	Olive Drab Cadmium
ZR	Black Zinc-Nickel
TZ	Tin-Zinc
Stainless Steel	
Z1	Passivate

687-207 SPLICE RING

687-207 composite splice ring joins wire bundle shield braid with adapter braid sock. Splice ring consists of two identical snap-together halves. Install splice ring over wire bundle, then overlap braids and secure with Band-Master ATS® banding strap, purchased separately. Black thermoplastic.



Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm	øC ± .03 (0.8) in	øC ± .03 (0.8) mm	Band Part Number Flat	Band Part Number Pre-Coiled
687-207XO04	.25	6.4	.36	9.1	.40	10.2	601-005	601-006
687-207XO06	.38	9.7	.49	12.4	.53	13.5	601-005	601-006
687-207XO08	.50	12.7	.61	15.5	.65	16.5	601-005	601-006
687-207XO10	.63	16.0	.74	18.8	.78	19.8	601-005	601-006
687-207XO12	.75	19.1	.86	21.8	.90	22.9	601-005	601-006
687-207XO14	.88	22.4	.99	25.1	1.03	26.2	601-040	601-041
687-207XO16	1.00	25.4	1.10	27.9	1.15	29.2	601-040	601-041
687-207XO18	1.13	28.7	1.24	31.5	1.28	32.5	601-040	601-041
687-207XO20	1.25	31.8	1.36	34.5	1.40	35.6	601-040	601-041
687-207XO22	1.38	35.1	1.49	37.8	1.53	38.9	601-040	601-041
687-207XO24	1.50	38.1	1.61	40.9	1.65	41.9	601-040	601-041
687-207XO26	1.63	41.4	1.74	44.2	1.78	45.2	601-040	601-041
687-207XO28	1.75	44.5	1.86	47.2	1.90	48.3	601-049	601-050
687-207XO30	1.88	47.8	2.00	50.8	2.03	51.6	601-049	601-050
687-207XO32	2.00	50.8	2.13	54.1	2.16	54.9	601-049	601-050

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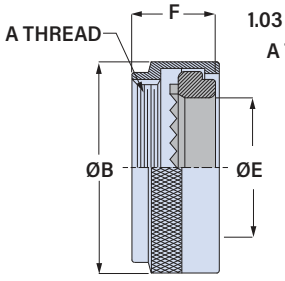
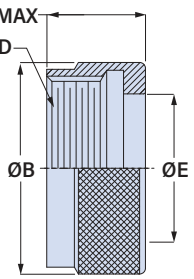
610-011, 610-012 Grommet Nuts

Grommet nuts are threaded rings for installation onto connector rear accessory threads when a backshell or strain relief is not used. Grommet nuts protect connector threads and support the connector grommet to improve wire sealing. Available in two styles: direct coupling and spin coupling. Spin coupling version has toothed follower. Aluminum or stainless steel.



620-011
Spin Coupling



620-012
Direct Coupling

TABLE 1 MATL/ FINISH

Aluminum	
C	Black Anodize
M	Electroless Nickel
NF	Olive Drab Cadmium
MT	Nickel-PTFE
ZR	Black Zinc-Nickel
TZ	Tin-Zinc
Stainless Steel	
Z1	Passivate

GROMMET NUTS FOR AS50151 CRIMP, M26482 SERIES 2, M83723 SERIES III

Shell Size	A Thread Class 2B	610AS011 SPIN COUPLING Part No. ✳ = Material/ Finish Code from Table I	øB Max. in	øB Max. mm	øE ± .015 (0.4) in	øE ± .015 (0.4) mm	F Max in	F Max mm	610AS012 DIRECT COUPLING Part No. ✳ = Material/ Finish Code from Table I	øB Max. in	øB Max. mm	øE ± .015 (0.4) in	øE ± .015 (0.4) mm
08	0.500-20 UNF	610AS011✳08	.65	16.5	.270	6.9	.710	18.0	610AS012✳08	.65	16.5	.250	6.4
10	0.625-24 UNEF	610AS011✳10	.77	19.6	.375	9.5	.710	18.0	610AS012✳10	.77	19.6	.303	7.7
12	0.750-20 UNEF	610AS011✳12	.94	23.9	.511	13.0	.710	18.0	610AS012✳12	.97	24.6	.408	10.4
14	0.875-20 UNEF	610AS011✳14	1.07	27.2	.585	14.9	.710	18.0	610AS012✳14	1.09	27.7	.490	12.4
16	1.000-20 UNEF	610AS011✳16	1.21	30.7	.710	18.0	.710	18.0	610AS012✳16	1.22	31.0	.609	15.5
18	1.0625-18 UNEF	610AS011✳18	1.23	31.2	.789	20.0	.710	18.0	610AS012✳18	1.22	31.0	.730	18.5
20	1.1875-18 UNEF	610AS011✳20	1.36	34.5	.914	23.2	.710	18.0	610AS012✳20	1.34	34.0	.870	22.1
22	1.3125-18 UNEF	610AS011✳22	1.48	37.6	1.039	26.4	.710	18.0	610AS012✳22	1.47	37.3	.978	24.8
24	1.4375-18 UNEF	610AS011✳24	1.73	43.9	1.154	29.3	.710	18.0	610AS012✳24	1.59	40.4	1.090	27.7
28	1.750-18 UNS	610AS011✳28	1.97	50.0	1.389	35.3	.890	22.6	610AS012✳28	1.97	50.0	1.250	31.8
32	2.000-18 UNS	610AS011✳32	2.22	56.4	1.635	41.5	.890	22.6	610AS012✳32	2.28	57.9	1.520	38.6
36	2.250-16 UN	610AS011✳36	2.47	62.7	1.850	47.0	.890	22.6	610AS012✳36	2.53	64.3	1.756	44.6

GROMMET NUTS FOR MIL-DTL-38999 SERIES I AND II CONNECTORS

Shell Size	A Thread UNEF-2B	610FS011 SPIN COUPLING Part No. ✳ = Material/ Finish Code from Table I	øB Max. in	øB Max. mm	øE ± .015 (0.4) in	øE ± .015 (0.4) mm	F Max in	F Max mm	610FS012 DIRECT COUPLING Part No. ✳ = Material/ Finish Code from Table I	øB Max. in	øB Max. mm	øE ± .015 (0.4) in	øE ± .015 (0.4) mm
8/9	0.4375-28	610FS011✳08	.65	16.5	.270	6.9	.710	18.0	610FS012✳08	.59	15.0	.250	6.4
10/11	0.5625-24	610FS011✳10	.77	19.6	.375	9.5	.710	18.0	610FS012✳10	.72	18.3	.303	7.7
12/13	0.6875-24	610FS011✳12	.89	22.6	.511	13.0	.710	18.0	610FS012✳12	.84	21.3	.408	10.4
14/15	0.8125-20	610FS011✳14	1.02	25.9	.585	14.9	.710	18.0	610FS012✳14	.97	24.6	.490	12.4
16/17	0.9375-20	610FS011✳16	1.15	29.2	.710	18.0	.710	18.0	610FS012✳16	1.09	27.7	.609	15.5
18/19	1.0625-18	610FS011✳18	1.23	31.2	.789	20.0	.710	18.0	610FS012✳18	1.22	31.0	.730	18.5
20/21	1.1875-18	610FS011✳20	1.36	34.5	.914	23.2	.710	18.0	610FS012✳20	1.34	34.0	.870	22.1
22/23	1.3125-18	610FS011✳22	1.48	37.6	1.039	26.4	.710	18.0	610FS012✳22	1.47	37.3	.978	24.8
24/25	1.4375-18	610FS011✳24	1.73	43.9	1.154	29.3	.710	18.0	610FS012✳24	1.59	40.4	1.090	27.7

GROMMET NUTS FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS

Shell Size	A Thread	610HS011 SPIN COUPLING Part No. ✳ = Material/ Finish Code from Table I	øB Max. in	øB Max. mm	øE ± .015 (0.4) in	øE ± .015 (0.4) mm	F Max in	F Max mm	610HS012 DIRECT COUPLING Part No. ✳ = Material/ Finish Code from Table I	øB Max. in	øB Max. mm	øE ± .015 (0.4) in	øE ± .015 (0.4) mm
9 (A)	M12X1.0-6H	610HS011✳09	.77	19.6	.270	6.9	.710	18.0	610HS012✳09	.65	16.5	.250	6.4
11 (B)	M15X1.0-6H	610HS011✳11	.84	21.3	.375	9.5	.710	18.0	610HS012✳11	.77	19.6	.303	7.7
13 (C)	M18X1.0-6H	610HS011✳13	.96	24.4	.511	13.0	.710	18.0	610HS012✳13	.89	22.6	.408	10.4
15 (D)	M22X1.0-6H	610HS011✳15	1.09	27.7	.585	14.9	.710	18.0	610HS012✳15	1.03	26.2	.490	12.4
17 (E)	M25X1.0-6H	610HS011✳17	1.23	31.2	.710	18.0	.710	18.0	610HS012✳17	1.15	29.2	.609	15.5
19 (F)	M28X1.0-6H	610HS011✳19	1.36	34.5	.789	20.0	.710	18.0	610HS012✳19	1.28	32.5	.730	18.5
21 (G)	M31X1.0-6H	610HS011✳21	1.48	37.6	.914	23.2	.710	18.0	610HS012✳21	1.41	35.8	.870	22.1
23 (H)	M34X1.0-6H	610HS011✳23	1.60	40.6	1.039	26.4	.710	18.0	610HS012✳23	1.53	38.9	.978	24.8
25 (J)	M37X1.0-6H	610HS011✳25	1.72	43.7	1.154	29.3	.710	18.0	610HS012✳25	1.66	42.2	1.090	27.7

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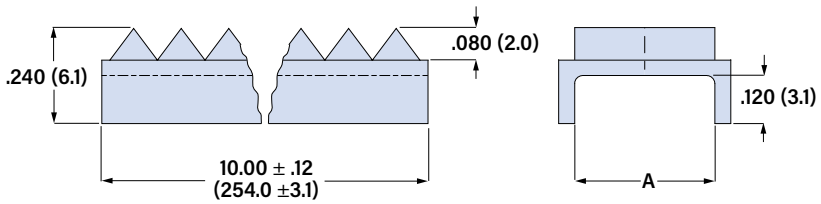
M85049/127 Rubber Bushing Strip for Saddle Clamp Strain Reliefs

Rubber bushing strip fits under strain relief saddle bars and provides cushioning and protection to wire bundle. Use with full radius saddle clamp strain reliefs including 620-038, M85049/118, /120, /121, /123, /124, and /126. These 10 inch (254 mm) strips are available in three widths to fit small, medium and large width saddle bars. Trim to desired length with scissors. Blue silicone rubber.

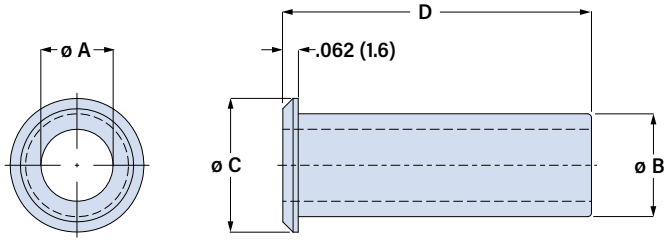


PART NUMBER			
Shell Size of Cable Clamp	A Strip Width ± .031 (0.8) in	mm	Part Number
08-17	.312	7.9	M85049/127-01
18-25	.440	11.2	M85049/127-02
28-40	.560	14.2	M85049/127-03

M85049/139 Rubber Bushings for Cable Clamps

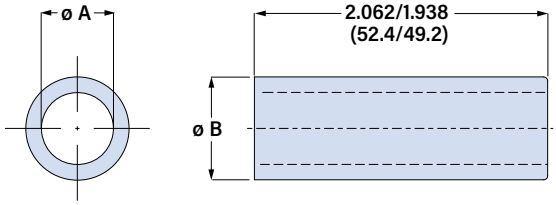
M85049/139 rubber bushings provide wire cushioning and protection. Install bushing under saddle bars of cable clamp. These bushings telescope into the next larger size. Use multiple bushings to reduce the inside diameter. Available with or without flange. These bushings are identical to the MS3420 specification. Black neoprene (-40 to +100 °C), red silicone (-70 to +200 °C) or blue fluorosilicone (-70 to +200 °C).

WITH FLANGE



Size	Part No. Black Neoprene	Part No. Red Silicone	Part No. Blue Fluorosilicone	øA in	øA mm	øB in	øB mm	øC in	øC mm	D in	D mm
3	M85049/139-3	M85049/139-3C	M85049/139-3K	.130	3.3	.210	5.3	.379	9.6	2.875	73.0
4	M85049/139-4	M85049/139-4C	M85049/139-4K	.220	5.6	.302	7.7	.505	12.8	2.750	69.9
6	M85049/139-6	M85049/139-6C	M85049/139-6K	.312	7.9	.427	10.8	.619	15.7	2.625	66.7
8	M85049/139-8	M85049/139-8C	M85049/139-8K	.437	11.1	.552	14.0	.744	18.9	2.500	63.5
10	M85049/139-10	M85049/139-10C	M85049/139-10K	.562	14.3	.615	15.6	.889	22.6	2.375	60.3
12	M85049/139-12	M85049/139-12C	M85049/139-12K	.625	15.9	.740	18.8	1.084	27.5	2.250	57.2
16	M85049/139-16	M85049/139-16C	M85049/139-16K	.750	19.1	.927	23.5	1.314	33.4	2.125	54.0
20	M85049/139-20	M85049/139-20C	M85049/139-20K	.937	23.8	1.240	31.5	1.598	40.6	2.000	50.8
24	M85049/139-24	M85049/139-24C	M85049/139-24K	1.250	31.8	1.365	34.7	1.847	46.9	1.875	47.6
28	M85049/139-28	M85049/139-28C	M85049/139-28K	1.375	34.9	1.614	41.0	2.085	53.0	1.750	44.5
32	M85049/139-32	M85049/139-32C	M85049/139-32K	1.624	41.2	1.864	47.3	2.335	59.3	1.625	41.3
40	M85049/139-40	M85049/139-40C	M85049/139-40K	1.874	47.6	2.364	60.0	2.835	72.0	1.500	38.1

NO FLANGE



Size	Part No. Black Neoprene	Part No. Red Silicone	Part No. Blue Fluorosilicone	øA in	øA mm	øB in	øB mm
3	M85049/139-3A	M85049/139-3D	M85049/139-3L	.125	3.2	.210	5.3
4	M85049/139-4A	M85049/139-4D	M85049/139-4L	.219	5.6	.302	7.7
6	M85049/139-6A	M85049/139-6D	M85049/139-6L	.312	7.9	.427	10.8
8	M85049/139-8A	M85049/139-8D	M85049/139-8L	.438	11.1	.531	13.5
10	M85049/139-10A	M85049/139-10D	M85049/139-10L	.438	11.1	.615	15.6
12	M85049/139-12A	M85049/139-12D	M85049/139-12L	.541	13.7	.740	18.8
16	M85049/139-16A	M85049/139-16D	M85049/139-16L	.750	19.1	.927	23.5
18	M85049/139-18A	M85049/139-18D	M85049/139-18L	.938	23.8	1.115	28.3
20	M85049/139-20A	M85049/139-20D	M85049/139-20L	.938	23.8	1.240	31.5
24	M85049/139-24A	M85049/139-24D	M85049/139-24L	1.125	28.6	1.365	34.7
28	M85049/139-28A	M85049/139-28D	M85049/139-28L	1.250	31.8	1.614	41.0
32	M85049/139-32A	M85049/139-32D	M85049/139-32L	1.625	41.3	1.865	47.4
40	M85049/139-40A	M85049/139-40D	M85049/139-40L	1.875	47.6	2.365	60.1

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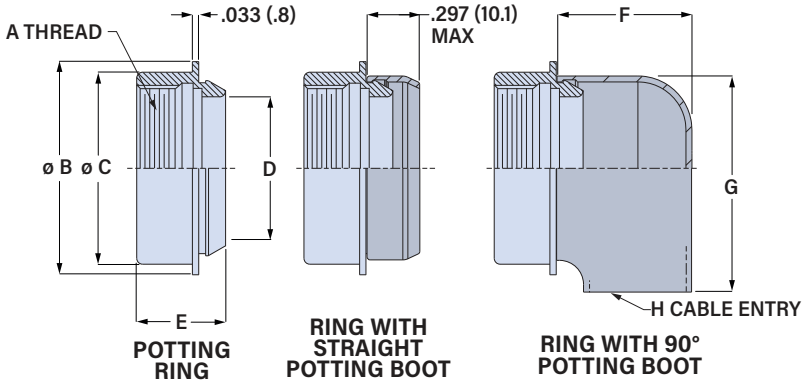
307-037, 307-029 Potting Boots

Potting boots are plastic molds held in place by a threaded aluminum potting ring. Fill boot with encapsulant for a neat potting seal. Plastic boot snaps over ring. Available with straight boot, 90° boot or ring only. 307AS037 and 307FS037 have aluminum ring, 307HS029 has thermoplastic ring. Boot is translucent 6/6 nylon.



❋ TABLE 1 RING FINISH CODES

307AS037, 307FS037 Aluminum

C	Black Anodize	MT	Nickel-PTFE
M	Electroless Nickel	ZR	Black Zinc-Nickel
NF	Olive Drab Cadmium	TZ	Tin-Zinc

▲ TABLE 2 RING MATL/FIN CODES

307HS029 Composite

—	Unplated Thermoplastic, Amber Color
XM	Electroless Nickel
XW	Olive Drab Cadmium

POTTING BOOTS FOR AS50151 CRIMP, M26482 SERIES 2, M83723 SERIES III

Part Number ❋ = *Material/ Finish Code from Table 1*

Shell Size	A Thread Class 2B	Potting Ring, No Boot	Potting Ring and Straight Boot	Potting Ring and 90° Boot	øB Max. in	øB Max. mm	øC in	øC mm	øD in	øD mm	E ±.031 (0.8) in	E ±.031 (0.8) mm	F Max in	F Max mm	G Max in	G Max mm	H in²	H mm²
08	0.500-20 UNF	307AS037❋08	307AS037❋08S	307AS037❋08A	.725	18.4	.625	15.9	.368	9.3	.458	11.6	.438	11.1	.766	19.5	.073	1.9
10	0.625-24 UNEF	307AS037❋10	307AS037❋10S	307AS037❋10A	.850	21.6	.750	19.1	.502	12.8	.458	11.6	.469	11.9	.891	22.6	.117	3.0
12	0.750-20 UNEF	307AS037❋12	307AS037❋12S	307AS037❋12A	.966	24.5	.875	22.2	.618	15.7	.458	11.6	.562	14.3	1.031	26.2	.206	5.2
14	0.875-20 UNEF	307AS037❋14	307AS037❋14S	307AS037❋14A	1.124	28.5	1.000	25.4	.743	18.9	.458	11.6	.719	18.3	1.156	29.4	.384	9.8
16	1.000-20 UNEF	307AS037❋16	307AS037❋16S	307AS037❋16A	1.242	31.5	1.125	28.6	.868	22.0	.458	11.6	.781	19.8	1.287	32.7	.443	11.3
18	1.0625-18 UNEF	307AS037❋18	307AS037❋18S	307AS037❋18A	1.350	34.3	1.188	30.2	.924	23.5	.458	11.6	.844	21.4	1.406	35.7	.561	14.2
20	1.1875-18 UNEF	307AS037❋20	307AS037❋20S	307AS037❋20A	1.475	37.5	1.312	33.3	1.049	26.6	.458	11.6	.906	23.0	1.531	38.9	.693	17.6
22	1.3125-18 UNEF	307AS037❋22	307AS037❋22S	307AS037❋22A	1.600	40.6	1.438	36.5	1.174	29.8	.458	11.6	.938	23.8	1.656	42.1	.840	21.3
24	1.4375-18 UNEF	307AS037❋24	307AS037❋24S	307AS037❋24A	1.714	43.5	1.562	39.7	1.299	33.0	.458	11.6	1.031	26.2	1.781	45.2	.999	25.4

POTTING BOOTS FOR MIL-DTL-38999 SERIES I AND II CONNECTORS

Part Number ❋ = *Material/ Finish Code from Table 1*

Shell Size	A Thread UNEF-2B	Potting Ring, No Boot	Potting Ring and Straight Boot	Potting Ring and 90° Boot	øB Max. in	øB Max. mm	øC in	øC mm	øD in	øD mm	E ±.031 (0.8) in	E ±.031 (0.8) mm	F Max in	F Max mm	G Max in	G Max mm	H in²	H mm²
8/9	0.4375-28	307FS037❋08	307FS037❋08S	307FS037❋08A	.600	15.2	.500	12.7	.344	8.7	.269	6.8	.438	11.1	.766	19.5	.073	1.9
10/11	0.5625-24	307FS037❋10	307FS037❋10S	307FS037❋10A	.726	18.4	.625	15.9	.472	12.0	.269	6.8	.469	11.9	.891	22.6	.117	3.0
12/13	0.6875-24	307FS037❋12	307FS037❋12S	307FS037❋12A	.850	21.6	.750	19.1	.586	14.9	.269	6.8	.562	14.3	1.031	26.2	.206	5.2
14/15	0.8125-20	307FS037❋14	307FS037❋14S	307FS037❋14A	.976	24.8	.875	22.2	.711	18.1	.269	6.8	.719	18.3	1.156	29.4	.384	9.8
16/17	0.9375-20	307FS037❋16	307FS037❋16S	307FS037❋16A	1.102	28.0	1.000	25.4	.836	21.2	.269	6.8	.781	19.8	1.287	32.7	.443	11.3
18/19	1.0625-18	307FS037❋18	307FS037❋18S	307FS037❋18A	1.226	31.1	1.125	28.6	.942	23.9	.269	6.8	.844	21.4	1.406	35.7	.561	14.2
20/21	1.1875-18	307FS037❋20	307FS037❋20S	307FS037❋20A	1.352	34.3	1.250	31.8	1.067	27.1	.269	6.8	.906	23.0	1.531	38.9	.693	17.6
22/23	1.3125-18	307FS037❋22	307FS037❋22S	307FS037❋22A	1.476	37.5	1.375	34.9	1.192	30.3	.269	6.8	.938	23.8	1.656	42.1	.840	21.3
24/25	1.4375-18	307FS037❋24	307FS037❋24S	307FS037❋24A	1.602	40.7	1.500	38.1	1.317	33.5	.269	6.8	1.031	26.2	1.781	45.2	.999	25.4

POTTING BOOTS FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS

Part Number ▲ = *Material/ Finish Code from Table 2*

Shell Size	A Thread	Potting Ring, No Boot	Potting Ring and Straight Boot	Potting Ring and 90° Boot	øB Max. in	øB Max. mm	øC in	øC mm	øD in	øD mm	E ±.031 (0.8) in	E ±.031 (0.8) mm	F Max in	F Max mm	G Max in	G Max mm	H in²	H mm²
9 (A)	M12X1.0-6H	307HS029▲09	307HS029▲09S	307HS029▲09A	.725	18.4	.625	15.9	.312	7.9	.420	10.7	.438	11.1	.766	19.5	.073	1.9
11 (B)	M15X1.0-6H	307HS029▲11	307HS029▲11S	307HS029▲11A	.850	21.6	.750	19.1	.438	11.1	.420	10.7	.469	11.9	.891	22.6	.117	3.0
13 (C)	M18X1.0-6H	307HS029▲13	307HS029▲13S	307HS029▲13A	.966	24.5	.866	22.0	.562	14.3	.420	10.7	.562	14.3	1.031	26.2	.206	5.2
15 (D)	M22X1.0-6H	307HS029▲15	307HS029▲15S	307HS029▲15A	1.124	28.5	1.024	26.0	.688	17.5	.420	10.7	.719	18.3	1.156	29.4	.384	9.8
17 (E)	M25X1.0-6H	307HS029▲17	307HS029▲17S	307HS029▲17A	1.242	31.5	1.142	29.0	.812	20.6	.420	10.7	.781	19.8	1.287	32.7	.443	11.3
19 (F)	M28X1.0-6H	307HS029▲19	307HS029▲19S	307HS029▲19A	1.350	34.3	1.250	31.8	.938	23.8	.420	10.7	.844	21.4	1.406	35.7	.561	14.2
21 (G)	M31X1.0-6H	307HS029▲21	307HS029▲21S	307HS029▲21A	1.475	37.5	1.375	34.9	1.062	27.0	.420	10.7	.906	23.0	1.531	38.9	.693	17.6
23 (H)	M34X1.0-6H	307HS029▲23	307HS029▲23S	307HS029▲23A	1.600	40.6	1.500	38.1	1.188	30.2	.420	10.7	.938	23.8	1.656	42.1	.840	21.3
25 (J)	M37X1.0-6H	307HS029▲25	307HS029▲25S	307HS029▲25A	1.714	43.5	1.614	41.0	1.312	33.3	.420	10.7	1.031	26.2	1.781	45.2	.999	25.4

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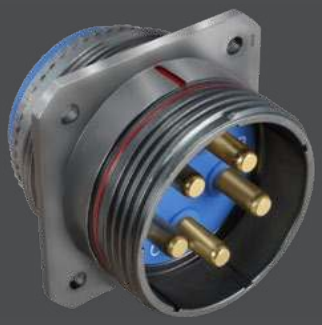
POWER TRIP™

Series 970 PowerTrip™ reduced size and weight power connectors for extreme environments

Reduced size and weight power connectors

Lightweight plug with ratcheting coupling nut and LouverBand contacts



Keyed receptacle with superior sealing and EMI shielding

- **Fast, easy mating with triple-start ACME thread: 360° turn for full mating**
- **Reduced size and weight compared to 5015/VG95234 solutions**
- **LouverBand sockets for improved current ratings and longer life, up to 2000 mating cycles**
- **Splined backshell interface for improved backshell attachment and EMI shielding**
- **Ratcheting coupling nut for secure mating**
- **Operating temperature -65° C to +200° C**
- **Hermetic and filter options available**

The Series 970 PowerTrip™ offers improved performance compared to standard 5015 type power connectors: higher density and lighter weight packaging, rapid mating and demating triple-start threaded coupling, and extremely rugged splined and threaded backshell attachment interface

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Series 78 Rubber Covers

Selection Guide

Series 78 Rubber Covers

Series 78 Rubber Covers protect connectors from damage. These covers fit standard mil spec circular electrical connectors, Glenair Series 80 Mighty Mouse, Series 233 SuperNine, and Series 970 PowerTrip connectors.

"Mr. Bean" universal covers fit all types of mil spec circular connectors. Available in black neoprene, red silicone or blue fluorosilicone, these covers are splashproof, not submersible.

Attachment choices include nylon cord with a variety of end fittings including cable ties, slip knots, and stainless steel rings.

AS50151 AS81511 MIL-DTL-26482 MIL-DTL-28840 MIL-DTL-38999 MIL-DTL-83723 Series 970	 Rubber Plug Cover 780-001 Page 78-2	 Rubber Receptacle Cover 780-002 Page 78-3
Series 801 Mighty Mouse	 Rubber Receptacle Cover 809-190 Page 78-6	 Rubber Plug Cover 809-191 Page 78-7
Series 802 Mighty Mouse	 Rubber Receptacle Cover 809-192 Page 78-8	 Rubber Plug Cover 809-193 Page 78-9
Series 804 Mighty Mouse	 Rubber Plug Cover 809-083 Page 78-10	 Rubber Receptacle Cover 809-087 Page 78-11
Series 805 Mighty Mouse	 Rubber Receptacle Cover 809-196 Page 78-12	 Rubber Plug Cover 809-197 Page 78-13

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Series 78 Rubber Covers

for Mil Spec Circular Connectors

780-001 Bean Rubber Plug Cover

Neoprene, silicone or fluorosilicone. 780-001 plug cover fits mil spec circular connectors. Rugged molded rubber "Mr. Bean" cover slides over connector coupling nut to protect from damage. Four material choices: black neoprene, carbon-filled conductive black neoprene, red silicone or blue fluorosilicone. Attach cover with nylon rope. Attachment choices include cable tie, slip knot or stainless steel ring. Non-environmental.

PART NUMBER

	780-001	-18	G	6	-WS	F
Base P/N	780-001					
Size	*See Table 1 for Size Code*					
Attachment Type	*Omit for No Attachment* G Nylon Rope					
Attachment Length	3 3 inches 4 4 inches 6 6 inches 8 8 inches 10 10 inches 12 12 inches	*Length in 1 inch increments, ± 1.00 (25.4)*				
Attachment Fitting	-00 No Fitting *See Table 2 for Attachment Fitting Codes*					
Material	*Omit for non-conductive black neoprene* C Conductive Black Neoprene (10^5 Ω/square min) F Fluorosilicone, Blue S Silicone, Red					

TABLE 1 SIZE CODE

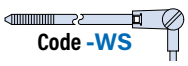
AS50151 MIL-DTL-5015				Series 970 PowerTrip	
Shell Size	Size Code	Shell Size	Size Code	Shell Size	Size Code
8, 8S	-09	22	-19	1 8	-19
10, 10SL	-11	24	-21	20	-22
12, 12S	-12	28	-25	24	-25
14, 14S	-14	32	-32	28	-32
16, 16S	-16	36	-36	32	-36
18	-15	40	-38	36	-38
20	-17	44	-50	40	-44

MIL-DTL-26482 Series I, II MIL-DTL-38999 Series II MIL-DTL-83723 Series III		MIL-DTL-38999 Series I and III	
Shell Size	Size Code	Shell Size	Size Code
8	-08	9	-10
10	-10	11	-11
12	-12	13	-14
14	-14	15	-16
16	-16	17	-18
18	-18	19	-20
20	-20	21	-22
22	-22	23	-24
24	-24	25	-26

MIL-DTL-28840		AS81511 MIL-C-81511	
Shell Size	Size Code	Shell Size	Size Code
A (11)	-11	8	-09
B (13)	-14	10	-11
C (15)	-16	14	-13
D (17)	-18	16	-15
E (19)	-20	18	-17
F (23)	-21	20	-22
G (25)	-23	22	-24
H (29)	-27	24	-26
J (33)	-32		

TABLE 2 ATTACHMENT FITTING CODES

CABLE TIE



Code -WS

Black 6/6 nylon cable tie

SLIP KNOT

Code -SK

EYELET

Code	Eyelet I.D. ± .015 (0.4)
-06	.125 (3.2)
-01	.140 (3.6)
-09	.156 (4.0)
-05	.167 (4.2)
-02	.182 (4.6)
-03	.191 (4.9)
-04	.197 (5.0)
-07	.218 (5.5)

STYLE A RING

Code	Ring I.D. ± .015 (0.4)
-095	.312 (7.9)
-100	.391 (9.9)
-101	.516 (13.1)
-103	.641 (16.3)
-104	.708 (18.0)
-105	.766 (19.5)
-106	.896 (22.8)
-107	1.016 (25.8)
-108	1.141 (29.0)
-208	1.203 (30.6)
-109	1.266 (32.2)
-110	1.391 (35.3)
-111	1.521 (38.6)
-112	1.641 (41.7)
-113	1.766 (44.9)
-114	1.891 (48.0)
-115	2.078 (52.8)
-116	2.406 (61.1)
-117	2.510 (63.8)

STYLE B RING

Code	Ring I.D. ± .015 (0.4)
-10	.593 (15.1)
-12	.718 (18.2)
-13	.765 (19.4)
-14	.844 (21.4)
-15	.890 (22.6)
-17	1.015 (25.8)
-19	1.140 (29.0)
-20	1.203 (30.6)
-21	1.265 (32.1)
-22	1.343 (34.1)
-24	1.484 (37.7)
-27	1.640 (41.7)
-29	1.765 (44.8)
-30	1.890 (48.0)
-31	1.953 (49.6)
-33	2.077 (52.8)
-36	2.187 (55.5)
-40	2.406 (61.1)
-44	2.656 (67.5)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
-50	.425 (10.8)
-52	.485 (12.3)
-54	.640 (16.3)
-56	.750 (19.1)
-58	.890 (22.6)
-60	1.015 (25.8)
-62	1.095 (27.8)
-64	1.130 (28.7)
-66	1.250 (31.8)
-68	1.350 (34.3)
-70	1.375 (34.9)
-72	1.485 (37.7)
-74	1.625 (41.3)
-76	1.750 (44.5)
-80	1.980 (50.3)
-84	2.235 (56.8)
-86	2.310 (58.7)
-88	2.475 (62.9)
-90	2.655 (67.4)

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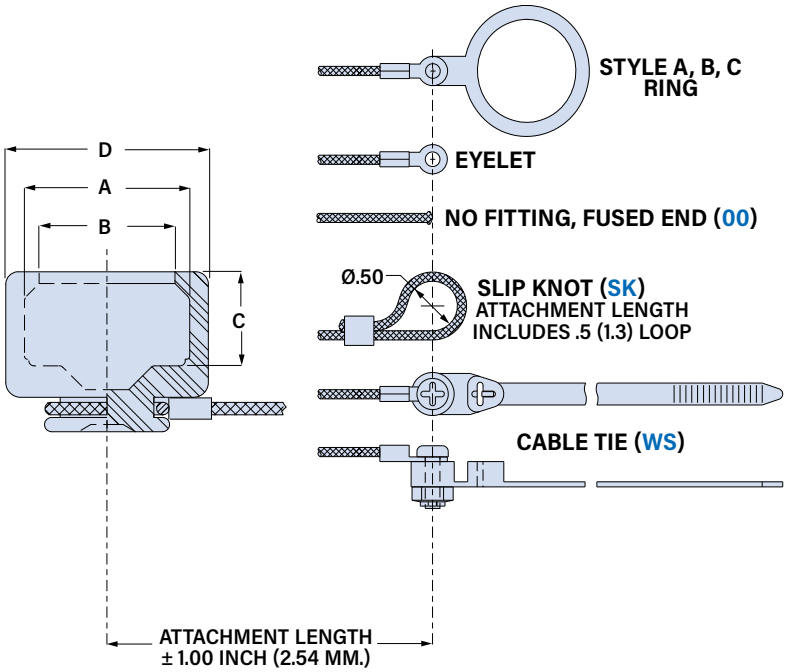
Series 78 Rubber Covers

for Mil Spec Circular Connectors

780-001 Bean Rubber Plug Cover

Size Code	øA ± .060 (1.5) In.	øA mm.	øB ± .060 (1.5) In.	øB mm.	C ± .060 (1.5) In.	C mm.	øD ± .060 (1.5) In.	øD mm.
-07	.44	11.2	.38	9.7	1.00	25.4	1.25	31.8
-08	.78	19.8	.56	14.2	1.00	25.4	1.15	29.2
-09	.85	21.6	.65	16.5	1.00	25.4	1.25	31.8
-10	.89	22.6	.68	17.3	1.00	25.4	1.25	31.8
-11	1.05	26.7	.83	21.1	1.00	25.4	1.56	39.6
-12	1.06	26.9	.84	21.3	1.00	25.4	1.56	39.6
-13	1.22	31.0	1.00	25.4	1.00	25.4	1.68	42.7
-14	1.18	30.0	.96	24.4	1.00	25.4	1.68	42.7
-15	1.35	34.3	1.13	28.7	1.00	25.4	1.81	46.0
-16	1.31	33.3	1.09	27.7	1.00	25.4	1.81	46.0
-17	1.48	37.6	1.26	32.0	1.00	25.4	2.04	51.8
-18	1.42	36.1	1.17	29.7	1.00	25.4	2.04	51.8
-19	1.58	40.1	1.36	34.5	1.25	31.8	2.18	55.4
-20	1.56	39.6	1.34	34.0	1.25	31.8	2.18	55.4
-21	1.71	43.4	1.49	37.8	1.25	31.8	2.31	58.7
-22	1.68	42.7	1.44	36.6	1.25	31.8	2.31	58.7
-23	1.83	46.5	1.61	40.9	1.25	31.8	2.43	61.7
-24	1.80	45.7	1.59	40.4	1.25	31.8	2.43	61.7
-25	1.96	49.8	1.74	44.2	1.25	31.8	2.68	68.1
-26	1.90	48.3	1.73	43.9	1.25	31.8	2.68	68.1
-27	2.16	54.9	1.75	44.5	1.25	31.8	2.68	68.1
-28	2.06	52.3	1.84	46.7	1.25	31.8	2.68	68.1
-32	2.31	58.7	2.13	54.1	1.25	31.8	2.98	75.7
-36	2.56	65.0	2.32	58.9	1.25	31.8	3.21	81.5
-37	2.81	71.4	2.32	58.9	1.25	31.8	3.21	81.5
-38	2.76	70.1	2.50	63.5	1.25	31.8	3.21	81.5
-40	2.81	71.4	2.58	65.5	1.25	31.8	3.48	88.4
-44	3.06	77.7	2.84	72.1	1.56	39.6	3.58	90.9
-48	3.31	84.1	3.09	78.5	1.56	39.6	3.87	98.3
-50	3.00	76.2	2.87	72.9	1.56	39.6	3.57	90.7
-52	3.75	95.3	3.46	87.9	1.30	33.0	4.27	108.5



MATERIALS AND FINISHES

Cover: black neoprene (standard), fungus resistant, sulfur-free
- **Code C**: conductive black neoprene, 100 ohms/sq. minimum
- **Code F**: fluorosilicone, blue
- **Code S**: silicone, red

Attachment Cord: nylon, black
Cable Tie: nylon, black
Ring, eyelet, screw, locknut: stainless steel, passivated
Slip knot friction sleeve: PVDF

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 78 Rubber Covers

for Mil Spec Circular Connectors

780-002 Bean Rubber Receptacle Cover

Neoprene, silicone or fluorosilicone. 780-002 receptacle cover fits mil spec circular connectors. Rugged molded rubber "Mr. Bean" cover protects connector from damage. Four material choices: black neoprene, carbon-filled conductive black neoprene, red silicone or blue fluorosilicone. Attach cover with nylon rope. Attachment choices include cable tie, slip knot or stainless steel ring. Non-environmental.

PART NUMBER

	780-002	-16	G	12	-03	C
Base P/N	780-002					
Size	*See Table 1 for Size Code*					
Attachment Type	*Omit for No Attachment* G Nylon Rope					
Attachment Length	3 3 inches 4 4 inches 6 6 inches 8 8 inches 10 10 inches 12 12 inches *Length in 1 inch increments, ± 1.00 (25.4)*					
Attachment Fitting	-00 No Fitting *See Table 2 for Attachment Fitting Codes*					
Material	*Omit for non-conductive black neoprene* C Conductive Black Neoprene (10^5 Ω/square min) F Fluorosilicone, Blue S Silicone, Red					

TABLE 1 SIZE CODE

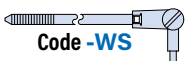
AS50151 MIL-DTL-5015				Series 970 PowerTrip	
Shell Size	Size Code	Shell Size	Size Code	Shell Size	Size Code
8, 8S	-04	22	-17	1 8	-14
10, 10SL	-08	24	-19	20	-16
12, 12S	-09	28	-23	24	-22
14, 14S	-11	32	-28	28	-24
16, 16S	-14	36	-32	32	-27
18	-13	40	-36	36	-32
20	-15	44	-40	40	-36

MIL-DTL-26482 Series I, II MIL-DTL-38999 Series II MIL-DTL-83723 Series III		MIL-DTL-38999 Series I and III	
Shell Size	Size Code	Shell Size	Size Code
8	-04	9	-06
10	-06	11	-08
12	-09	13	-10
14	-11	15	-12
16	-14	17	-13
18	-13	19	-16
20	-15	21	-18
22	-17	23	-20
24	-22	25	-22

MIL-DTL-28840		AS81511 MIL-C-81511	
Shell Size	Size Code	Shell Size	Size Code
A (11)	-09	8	-06
B (13)	-11	10	-08
C (15)	-14	14	-11
D (17)	-13	16	-14
E (19)	-18	18	-16
F (23)	-22	20	-18
G (25)	-21	22	-20
H (29)	-26	24	-24
J (33)	-28		

TABLE 2 ATTACHMENT FITTING CODES

CABLE TIE



Code -WS

Black 6/6 nylon cable tie

SLIP KNOT

Code -SK

EYELET

Code	Eyelet I.D. ± .015 (0.4)
-06	.125 (3.2)
-01	.140 (3.6)
-09	.156 (4.0)
-05	.167 (4.2)
-02	.182 (4.6)
-03	.191 (4.9)
-04	.197 (5.0)
-07	.218 (5.5)

STYLE A RING

Code	Ring I.D. ± .015 (0.4)
-095	.312 (7.9)
-100	.391 (9.9)
-101	.516 (13.1)
-103	.641 (16.3)
-104	.708 (18.0)
-105	.766 (19.5)
-106	.896 (22.8)
-107	1.016 (25.8)
-108	1.141 (29.0)
-208	1.203 (30.6)
-109	1.266 (32.2)
-110	1.391 (35.3)
-111	1.521 (38.6)
-112	1.641 (41.7)
-113	1.766 (44.9)
-114	1.891 (48.0)
-115	2.078 (52.8)
-116	2.406 (61.1)
-117	2.510 (63.8)

STYLE B RING

Code	Ring I.D. ± .015 (0.4)
-10	.593 (15.1)
-12	.718 (18.2)
-13	.765 (19.4)
-14	.844 (21.4)
-15	.890 (22.6)
-17	1.015 (25.8)
-19	1.140 (29.0)
-20	1.203 (30.6)
-21	1.265 (32.1)
-22	1.343 (34.1)
-24	1.484 (37.7)
-27	1.640 (41.7)
-29	1.765 (44.8)
-30	1.890 (48.0)
-31	1.953 (49.6)
-33	2.077 (52.8)
-36	2.187 (55.5)
-40	2.406 (61.1)
-44	2.656 (67.5)

SPLIT RING

Code	Ring I.D. ± .015 (0.4)
-50	.425 (10.8)
-52	.485 (12.3)
-54	.640 (16.3)
-56	.750 (19.1)
-58	.890 (22.6)
-60	1.015 (25.8)
-62	1.095 (27.8)
-64	1.130 (28.7)
-66	1.250 (31.8)
-68	1.350 (34.3)
-70	1.375 (34.9)
-72	1.485 (37.7)
-74	1.625 (41.3)
-76	1.750 (44.5)
-80	1.980 (50.3)
-84	2.235 (56.8)
-86	2.310 (58.7)
-88	2.475 (62.9)
-90	2.655 (67.4)

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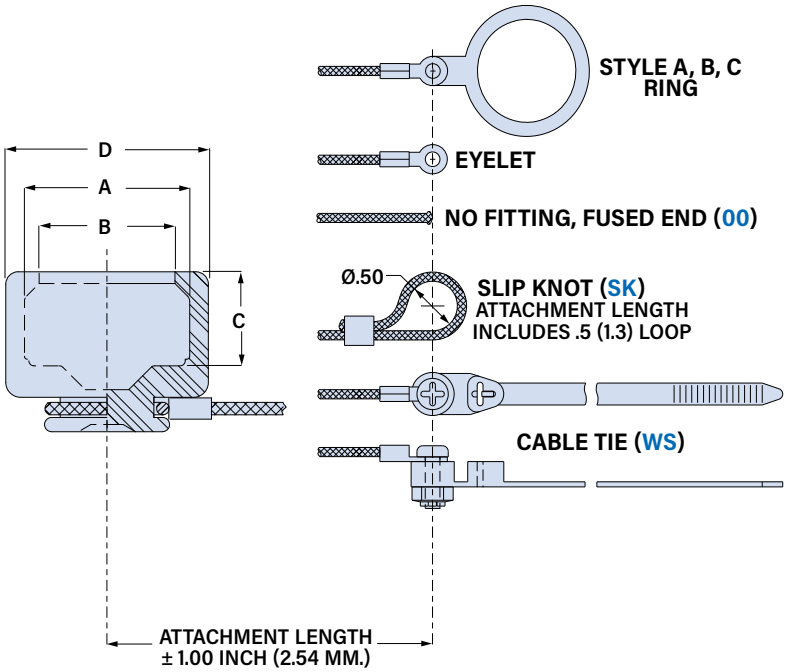
Series 78 Rubber Covers

for Mil Spec Circular Connectors

780-002 Bean Rubber Receptacle Cover

Size Code	øA ± .060 (1.5) In.	øA mm.	øB ± .060 (1.5) In.	øB mm.	C ± .060 (1.5) In.	C mm.	øD ± .060 (1.5) In.	øD mm.
-03	.32	8.1	.25	6.4	.30	7.6	.75	19.1
-04	.42	10.7	.39	9.9	.63	16.0	.75	19.1
-05	.37	9.4	.33	8.4	.50	12.7	.75	19.1
-06	.47	11.9	.44	11.2	.63	16.0	.75	19.1
-07	.78	19.8	.56	14.2	.63	16.0	1.15	29.2
-08	.78	19.8	.56	14.2	.63	16.0	1.15	29.2
-09	.85	21.6	.65	16.5	.63	16.0	1.25	31.8
-10	.89	22.6	.68	17.3	.63	16.0	1.25	31.8
-11	1.05	26.7	.83	21.1	.63	16.0	1.56	39.6
-12	1.06	26.9	.84	21.3	.63	16.0	1.56	39.6
-13	1.22	31.0	1.00	25.4	.63	16.0	1.68	42.7
-14	1.18	30.0	.96	24.4	.63	16.0	1.68	42.7
-15	1.35	34.3	1.13	28.7	.63	16.0	1.81	46.0
-16	1.31	33.3	1.09	27.7	.63	16.0	1.81	46.0
-17	1.48	37.6	1.26	32.0	.63	16.0	2.04	51.8
-18	1.42	36.1	1.21	30.7	.63	16.0	2.04	51.8
-19	1.56	39.6	1.34	34.0	.63	16.0	2.15	54.6
-20	1.56	39.6	1.34	34.0	.63	16.0	2.18	55.4
-21	1.68	42.7	1.46	37.1	.63	16.0	2.31	58.7
-22	1.68	42.7	1.46	37.1	.63	16.0	2.31	58.7
-23	1.80	45.7	1.59	40.4	.69	17.5	2.43	61.7
-24	1.80	45.7	1.59	40.4	.69	17.5	2.43	61.7
-25	1.96	49.8	1.74	44.2	.69	17.5	2.64	67.1
-26	1.90	48.3	1.71	43.4	.69	17.5	2.64	67.1
-27	2.16	54.9	1.75	44.5	.69	17.5	2.64	67.1
-28	2.05	52.1	1.58	40.1	.63	16.0	3.30	83.8
-32	2.31	58.7	2.13	54.1	.69	17.5	2.98	75.7
-36	2.56	65.0	2.32	58.9	.69	17.5	3.21	81.5
-38	2.76	70.1	2.50	63.5	.69	17.5	3.21	81.5
-40	2.81	71.4	2.59	65.8	.69	17.5	3.43	87.1
-50	3.00	76.2	2.87	72.9	.69	17.5	3.57	90.7



MATERIALS AND FINISHES

Cover: black neoprene (standard), fungus resistant, sulfur-free
- **Code C**: conductive black neoprene, 100 ohms/sq. minimum
- **Code F**: fluorosilicone, blue
- **Code S**: silicone, red

Attachment Cord: nylon, black
Cable tie: nylon, black
Ring, eyelet, screw, locknut: stainless steel, passivated
Slip knot friction sleeve: PVDF

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 78 Rubber Covers

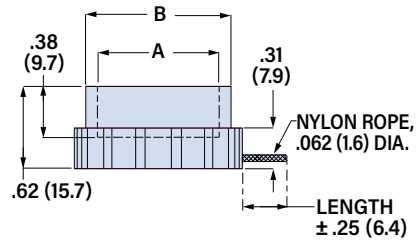
for Series 801 Mighty Mouse Connectors

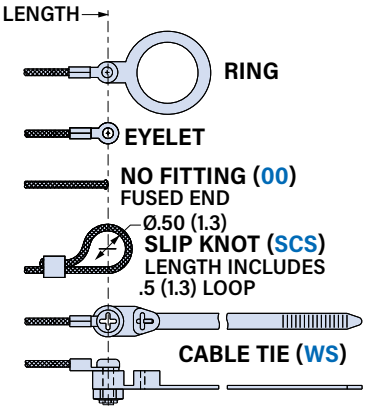
809-190 Rubber Cover, Receptacle

809-190 covers fit Glenair Series 801 Mighty Mouse receptacle connectors. Rugged molded rubber "Mini-Bean" cover protects equipment from dust and damage. Fungus-resistant, sulfur-free neoprene with nylon rope. Attachment choices include cable tie, slip knot or ring. Rings are stainless steel with non-reflective black coating. Splashproof, not submersible.

MATERIAL / FINISH

Cover: black neoprene (standard), fungus resistant, sulfur-free
Code C: conductive black neoprene, 100 ohms/sq. minimum
Attachment cord: nylon, black
Cable tie: black nylon with passivated SST screw and locknut
Ring, eyelet: SST, black zinc cobalt
Slip knot sleeve: copper/ black zinc cobalt





Shell Size	øA ± .060 (1.5) In.	øA ± .060 (1.5) mm.	øB ± .060 (1.5) In.	øB ± .060 (1.5) mm.
-05	.28	7.1	.41	10.4
-06	.35	8.9	.47	11.9
-07	.41	10.4	.53	13.5
-08	.47	11.9	.60	15.2
-09	.53	13.5	.66	16.8
-10	.60	15.2	.72	18.3
-11	.66	16.8	.78	19.8
-13	.78	19.8	.91	23.1
-16	.97	24.6	1.10	27.9
-17	1.030	26.2	1.16	29.5
-19	1.160	29.5	1.28	32.5
-21	1.280	32.5	1.41	35.8

PART NUMBER

	809-190	-16	G	10	-WS	C
Base P/N	**809-190** Receptacle Cover					
Shell Size	**-05 -06 -07 -08 -09 -10 -11 -13 -16 -17 -19 -21**					
Attachment Type	*Omit for No Attachment* **G** Nylon Rope, .062 (1.6) diameter					
Attachment Length	*Length in 1 inch increments*					
Attachment Fitting	**-00** No Fitting **-SCS** Slip Knot **-WS** Cable Tie *See Table 1 for Eyelet and Ring Attachment Fitting Codes*					
Material	*Omit for non-conductive black neoprene* **C** Conductive Black Neoprene (10^5 Ω/square min)					

TABLE 1 ATTACHMENT FITTING

SLIP KNOT

Code SCS
Copper sleeve with black zinc cobalt finish. May be crimped after adjustment to permanently fix location.

CABLE TIE

Code WS
6/6 nylon cable tie with screw and locknut. 1.77 (45.0) max. wire bundle dia. -40 to +85 °C.

RING

Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-32	.265 (6.7)	-16	.885 (22.5)
-29	.315 (8.0)	-17	.896 (22.8)
-08	.385 (9.8)	-26	.950 (24.1)
-09	.445 (11.3)	-28	1.015 (25.8)
-10	.516 (13.1)	-19	1.070 (27.2)
-11	.570 (14.5)	-20	1.135 (28.8)
-12	.583 (14.8)	-22	1.210 (30.7)
-13	.635 (16.1)	-23	1.275 (32.4)
-14	.695 (17.7)	-30	1.380 (35.1)
-27	.766 (19.5)	-25	1.530 (38.9)

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-01	.126 (3.2)
-02	.140 (3.6)
-03	.145 (3.7)
-04	.156 (4.0)
-05	.167 (4.2)
-06	.188 (4.8)
-07	.197 (5.0)

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Series 78 Rubber Covers

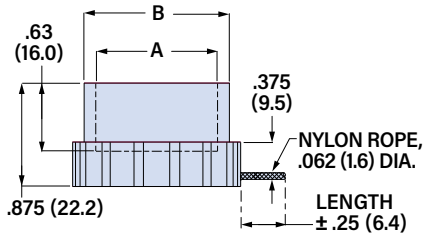
for Series 801 Mighty Mouse Connectors

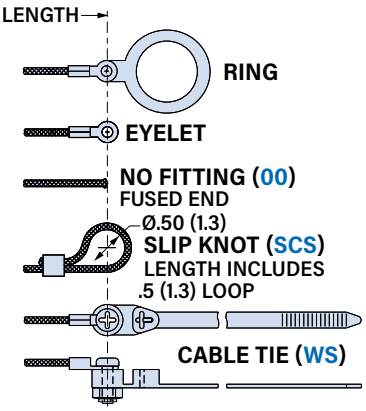
809-191 Rubber Cover, Plug

809-191 covers fit Glenair Series 801 Mighty Mouse plug connectors. Rugged molded rubber "Mini-Bean" cover fits over the coupling nut and protects from dust and damage. Fungus-resistant, sulfur-free neoprene with nylon rope. Attachment choices include cable tie, slip knot or ring. Rings are stainless steel with non-reflective black coating. Splashproof, not submersible.

MATERIAL / FINISH

Cover: black neoprene (standard), fungus resistant, sulfur-free
Code C: conductive black neoprene, 100 ohms/sq. minimum
Attachment cord: nylon, black
Cable tie: black nylon with passivated SST screw and locknut
Ring, eyelet: SST, black zinc cobalt
Slip knot sleeve: copper/ black zinc cobalt





Shell Size	øA ± .060 (1.5) In.	øA ± .060 (1.5) mm.	øB ± .060 (1.5) In.	øB ± .060 (1.5) mm.
-05	.51	13.0	.70	17.8
-06	.57	14.5	.76	19.3
-07	.66	16.8	.85	21.6
-08	.72	18.3	.91	23.1
-09	.78	19.8	.97	24.6
-10	.85	21.6	1.03	26.2
-11	.89	22.6	1.08	27.4
-13	1.02	25.9	1.21	30.7
-16	1.21	30.7	1.40	35.6
-17	1.27	32.3	1.46	37.1
-19	1.38	35.1	1.56	39.6
-21	1.52	38.6	1.71	43.4

PART NUMBER

	809-191	-16	G	6	-WS	C
Base P/N	**809-191** Plug Cover					
Shell Size	**-05 -06 -07 -08 -09 -10 -11 -13 -16 -17 -19 -21**					
Attachment Type	*Omit for No Attachment* **G** Nylon Rope, .062 (1.6) diameter					
Attachment Length	*Length in 1 inch increments*					
Attachment Fitting	**-00** No Fitting **-SCS** Slip Knot **-WS** Cable Tie *See Table 1 for Eyelet and Ring Attachment Fitting Codes*					
Material	*Omit for non-conductive black neoprene* **C** Conductive Black Neoprene (10^5 Ω/square min)					

TABLE 1 ATTACHMENT FITTING

SLIP KNOT

Code SCS
Copper sleeve with black zinc cobalt finish. May be crimped after adjustment to permanently fix location.

CABLE TIE

Code WS
6/6 nylon cable tie with screw and locknut. 1.77 (45.0) max. wire bundle dia. -40 to +85 °C.

RING

Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-32	.265 (6.7)	-16	.885 (22.5)
-29	.315 (8.0)	-17	.896 (22.8)
-08	.385 (9.8)	-26	.950 (24.1)
-09	.445 (11.3)	-28	1.015 (25.8)
-10	.516 (13.1)	-19	1.070 (27.2)
-11	.570 (14.5)	-20	1.135 (28.8)
-12	.583 (14.8)	-22	1.210 (30.7)
-13	.635 (16.1)	-23	1.275 (32.4)
-14	.695 (17.7)	-30	1.380 (35.1)
-27	.766 (19.5)	-25	1.530 (38.9)

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-01	.126 (3.2)
-02	.140 (3.6)
-03	.145 (3.7)
-04	.156 (4.0)
-05	.167 (4.2)
-06	.188 (4.8)
-07	.197 (5.0)

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Series 78 Rubber Covers

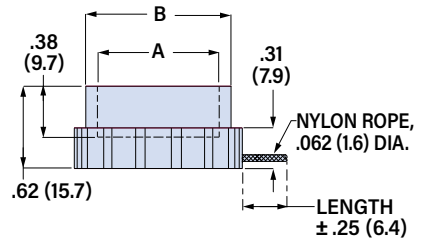
for Series 802 AquaMouse Connectors

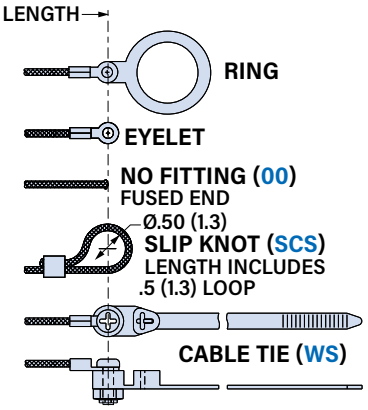
809-192 Rubber Cover, Receptacle

809-192 covers fit Glenair Series 802 "AquaMouse" receptacle connectors. Rugged molded rubber "Mini-Bean" cover protects equipment from dust and damage. Fungus-resistant, sulfur-free neoprene with nylon rope. Attachment choices include cable tie, slip knot or ring. Rings are stainless steel with non-reflective black coating. Splashproof, not submersible.

MATERIAL / FINISH

Cover: black neoprene (standard), fungus resistant, sulfur-free
Code C: conductive black neoprene, 100 ohms/sq. minimum
Attachment cord: nylon, black
Cable tie: black nylon with passivated SST screw and locknut
Ring, eyelet: SST, black zinc cobalt
Slip knot sleeve: copper/ black zinc cobalt





Shell Size	øA ± .060 (1.5) In.	øA ± .060 (1.5) mm.	øB ± .060 (1.5) In.	øB ± .060 (1.5) mm.
-05	.41	10.4	.530	13.5
-06	.53	13.5	.660	16.8
-07	.60	15.2	.720	18.3
-08	.66	16.8	.780	19.8
-09	.72	18.3	.850	21.6
-10	.78	19.8	.910	23.1
-12	.85	21.6	.970	24.6
-14	1.03	26.2	1.160	29.5
-15	1.10	27.9	1.220	31.0
-21	1.41	35.8	1.530	38.9

PART NUMBER

	809-192	-12	G	6	-03	C
Base P/N	**809-192** Receptacle Cover					
Shell Size	**-05 -06 -07 -08 -09 -10 -12 -14 -15 -21**					
Attachment Type	*Omit for No Attachment* **G** Nylon Rope, .062 (1.6) diameter					
Attachment Length	*Length in 1 inch increments*					
Attachment Fitting	**-00** No Fitting **-SCS** Slip Knot **-WS** Cable Tie *See Table 1 for Eyelet and Ring Attachment Fitting Codes*					
Material	*Omit for non-conductive black neoprene* **C** Conductive Black Neoprene (10^5 Ω/square min)					

TABLE 1 ATTACHMENT FITTING

SLIP KNOT

Code SCS
Copper sleeve with black zinc cobalt finish. May be crimped after adjustment to permanently fix location.

CABLE TIE

Code WS
6/6 nylon cable tie with screw and locknut. 1.77 (45.0) max. wire bundle dia. -40 to +85 °C.

RING

Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-32	.265 (6.7)	-16	.885 (22.5)
-29	.315 (8.0)	-17	.896 (22.8)
-08	.385 (9.8)	-26	.950 (24.1)
-09	.445 (11.3)	-28	1.015 (25.8)
-10	.516 (13.1)	-19	1.070 (27.2)
-11	.570 (14.5)	-20	1.135 (28.8)
-12	.583 (14.8)	-22	1.210 (30.7)
-13	.635 (16.1)	-23	1.275 (32.4)
-14	.695 (17.7)	-30	1.380 (35.1)
-27	.766 (19.5)	-25	1.530 (38.9)

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-01	.126 (3.2)
-02	.140 (3.6)
-03	.145 (3.7)
-04	.156 (4.0)
-05	.167 (4.2)
-06	.188 (4.8)
-07	.197 (5.0)

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Series 78 Rubber Covers

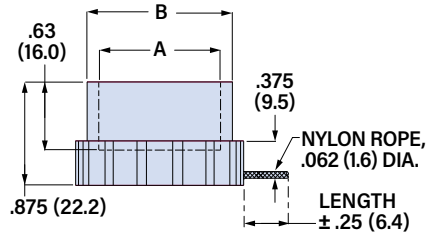
for Series 802 AquaMouse Connectors

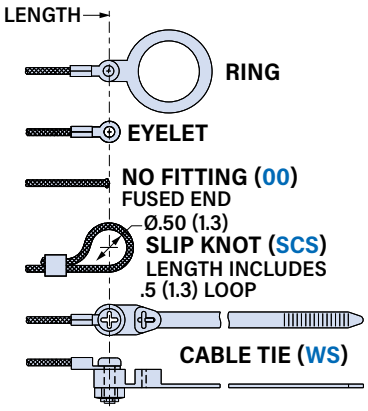
809-193 Rubber Cover, Plug

809-193 covers fit Glenair Series 802 Mighty Mouse plug connectors. Rugged molded rubber "Mini-Bean" cover fits over the coupling nut and protects from dust and damage. Fungus-resistant, sulfur-free neoprene with nylon rope. Attachment choices include cable tie, slip knot or ring. Rings are stainless steel with non-reflective black coating. Splashproof, not submersible.

MATERIAL / FINISH

Cover: black neoprene (standard), fungus resistant, sulfur-free
Code C: conductive black neoprene, 100 ohms/sq. minimum
Attachment cord: nylon, black
Cable tie: black nylon with passivated SST screw and locknut
Ring, eyelet: SST, black zinc cobalt
Slip knot sleeve: copper/ black zinc cobalt





Shell Size	øA ± .060 (1.5) In.	øA ± .060 (1.5) mm.	øB ± .060 (1.5) In.	øB ± .060 (1.5) mm.
-05	.51	13.0	.70	17.8
-06	.66	16.8	.85	21.6
-07	.72	18.3	.91	23.1
-08	.78	19.8	.97	24.6
-09	.85	21.6	1.03	26.2
-10	.89	22.6	1.08	27.4
-12	1.02	25.9	1.21	30.7
-14	1.21	30.7	1.40	35.6
-15	1.27	32.3	1.46	37.1
-21	1.65	41.9	1.84	46.7

PART NUMBER

	809-193	-10	G	5	-10	C

Base P/N	**809-193** Plug Cover
Shell Size	**-05 -06 -07 -08 -09 -10 -12 -14 -15 -21**
Attachment Type	*Omit for No Attachment* **G** Nylon Rope, .062 (1.6) diameter
Attachment Length	*Length in 1 inch increments*
Attachment Fitting	**-00** No Fitting **-SCS** Slip Knot **-WS** Cable Tie *See Table 1 for Eyelet and Ring Attachment Fitting Codes*
Material	*Omit for non-conductive black neoprene* **C** Conductive Black Neoprene (10^5 Ω/square min)

TABLE 1 ATTACHMENT FITTING

SLIP KNOT

Code SCS
Copper sleeve with black zinc cobalt finish. May be crimped after adjustment to permanently fix location.

CABLE TIE

Code WS
6/6 nylon cable tie with screw and locknut. 1.77 (45.0) max. wire bundle dia. -40 to +85 °C.

RING

Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-32	.265 (6.7)	-16	.885 (22.5)
-29	.315 (8.0)	-17	.896 (22.8)
-08	.385 (9.8)	-26	.950 (24.1)
-09	.445 (11.3)	-28	1.015 (25.8)
-10	.516 (13.1)	-19	1.070 (27.2)
-11	.570 (14.5)	-20	1.135 (28.8)
-12	.583 (14.8)	-22	1.210 (30.7)
-13	.635 (16.1)	-23	1.275 (32.4)
-14	.695 (17.7)	-30	1.380 (35.1)
-27	.766 (19.5)	-25	1.530 (38.9)

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-01	.126 (3.2)
-02	.140 (3.6)
-03	.145 (3.7)
-04	.156 (4.0)
-05	.167 (4.2)
-06	.188 (4.8)
-07	.197 (5.0)

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Series 78 Rubber Covers

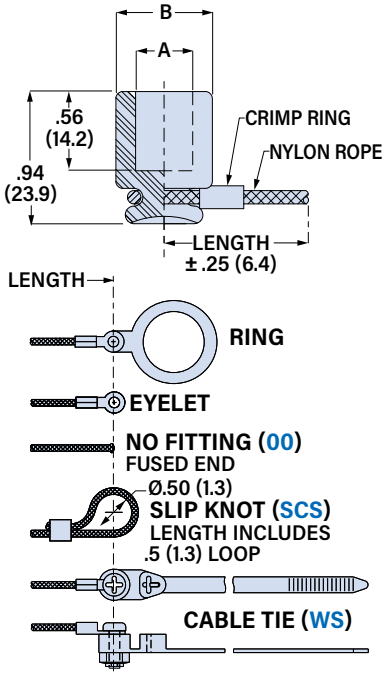
for Series 804 Mighty Mouse Connectors

809-083 Rubber Cover, Plug

809-083 covers fit Glenair Series 804 plug connectors. Rugged molded rubber "Mini-Bean" cover protects equipment from dust, damage and water ingress. Fungus-resistant, sulfur-free neoprene with nylon rope. Attachment choices include cable tie, slip knot or ring. Rings are stainless steel with non-reflective black coating. IP67 ingress protection.

MATERIAL / FINISH

Cover: black neoprene (standard), fungus resistant, sulfur-free
Code C: conductive black neoprene, 100 ohms/sq. minimum
Code S: silicone, red
Attachment cord: nylon, black
Cable tie: black nylon with passivated SST screw and locknut
Ring, eyelet: SST, black zinc cobalt
Slip knot sleeve: copper/ black zinc cobalt



Shell Size	øA ± .060 (1.5) In.	øA ± .060 (1.5) mm.	øB ± .060 (1.5) In.	øB ± .060 (1.5) mm.
-05	.23	5.8	.56	14.2
-06	.29	7.4	.56	14.2
-07	.36	9.1	.56	14.2
-08	.41	10.4	.68	17.3
-09	.46	11.7	.68	17.3
-10	.54	13.7	.79	20.1
-11	.61	15.5	.94	23.9
-12	.66	16.8	.94	23.9
-14	.78	19.8	1.11	28.2
-15	.84	21.3	1.11	28.2

PART NUMBER

	809-083	-12	G	6	-02	S

Base P/N	**809-083** Plug Cover, 804 Series
Shell Size	-05 -06 -07 -08 -09 -10 -11 -12 -14 -15
Attachment Type	*Omit for No Attachment* **G** Nylon Rope, .062 (1.6) diameter
Attachment Length	*Length in 1 inch increments*
Attachment Fitting	**-00** No Fitting **-SCS** Slip Knot **-WS** Cable Tie *See Table 1 for Eyelet and Ring Attachment Fitting Codes*
Material	*Omit for non-conductive black neoprene* **C** Conductive Black Neoprene (10^5 Ω/square min) **S** Silicone, Red

TABLE 1 ATTACHMENT FITTING

SLIP KNOT

Code SCS
Copper sleeve with black zinc cobalt finish. May be crimped after adjustment to permanently fix location.

CABLE TIE

Code WS
6/6 nylon cable tie with screw and locknut. 1.77 (45.0) max. wire bundle dia. -40 to +85 °C.

RING

Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-32	.265 (6.7)	-19	.885 (22.5)
-29	.315 (8.0)	-26	.950 (24.1)
-14	.385 (9.8)	-28	1.015 (25.8)
-15	.445 (11.3)	-20	1.070 (27.2)
-33	.510 (13.0)	-21	1.135 (28.8)
-16	.570 (14.5)	-22	1.210 (30.7)
-17	.635 (16.1)	-23	1.275 (32.4)
-18	.695 (17.7)	-30	1.380 (35.1)
-27	.766 (19.5)	-25	1.530 (38.9)
-31	.820 (20.8)		

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-01	.125 (3.2)
-02	.145 (3.7)
-04	.182 (4.6)
-06	.197 (5.0)

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Series 78 Rubber Covers

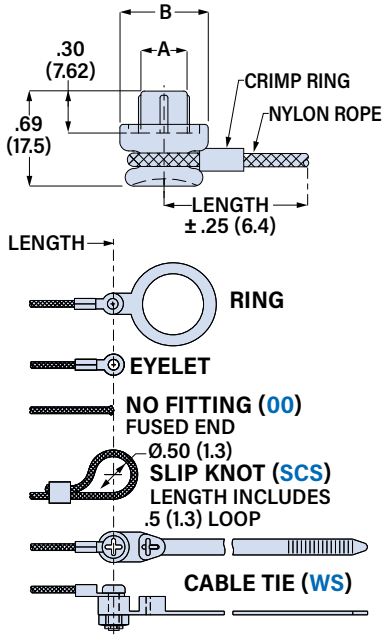
for Series 804 Mighty Mouse Connectors

809-087 Rubber Cover, Receptacle

809-087 covers fit Glenair Series 804 receptacle connectors. Rugged molded rubber "Mini-Bean" cover protects equipment from dust, damage and water ingress. Fungus-resistant, sulfur-free neoprene with nylon rope. Attachment choices include cable tie, slip knot or ring. Rings are stainless steel with non-reflective black coating.

MATERIAL / FINISH

Cover: black neoprene (standard), fungus resistant, sulfur-free
Code C: conductive black neoprene, 100 ohms/sq. minimum
Code S: silicone, red
Attachment cord: nylon, black
Cable tie: black nylon with passivated SST screw and locknut
Ring, eyelet: SST, black zinc cobalt
Slip knot sleeve: copper/ black zinc cobalt



Shell Size	øA ± .060 (1.5) In.	øA mm.	øB ± .060 (1.5) In.	øB mm.
-05	.27	6.9	.59	15.0
-06	.33	8.4	.65	16.5
-07	.40	10.2	.78	19.8
-08	.44	11.2	.78	19.8
-09	.50	12.7	.84	21.3
-10	.57	14.5	.90	22.9
-11	.63	16.0	.96	24.4
-12	.69	17.5	1.03	26.2
-14	.82	20.8	1.15	29.2
-15	.87	22.1	1.21	30.7

PART NUMBER

	809-087	-08	G	4	-SCS	C

Base P/N	**809-087** Receptacle Cover
Shell Size	**-05 -06 -07 -08 -09 -10 11 -12 -14 -15**
Attachment Type	*Omit for No Attachment* **G** Nylon Rope, .062 (1.6) diameter
Attachment Length	*Length in 1 inch increments*
Attachment Fitting	**-00** No Fitting **-SCS** Slip Knot **-WS** Cable Tie *See Table 1 for Eyelet and Ring Attachment Fitting Codes*
Material	*Omit for non-conductive black neoprene* **C** Conductive Black Neoprene (10^5 Ω/square min) **S** Silicone, Red

TABLE 1 ATTACHMENT FITTING

SLIP KNOT

Code SCS
Copper sleeve with black zinc cobalt finish. May be crimped after adjustment to permanently fix location.

CABLE TIE

Code WS
6/6 nylon cable tie with screw and locknut. 1.77 (45.0) max. wire bundle dia. -40 to +85 °C.

RING

Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-32	.265 (6.7)	-19	.885 (22.5)
-29	.315 (8.0)	-26	.950 (24.1)
-14	.385 (9.8)	-28	1.015 (25.8)
-15	.445 (11.3)	-20	1.070 (27.2)
-33	.510 (13.0)	-21	1.135 (28.8)
-16	.570 (14.5)	-22	1.210 (30.7)
-17	.635 (16.1)	-23	1.275 (32.4)
-18	.695 (17.7)	-30	1.380 (35.1)
-27	.766 (19.5)	-25	1.530 (38.9)
-31	.820 (20.8)		

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-01	.125 (3.2)
-02	.145 (3.7)
-04	.182 (4.6)
-06	.197 (5.0)

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Series 78 Rubber Covers

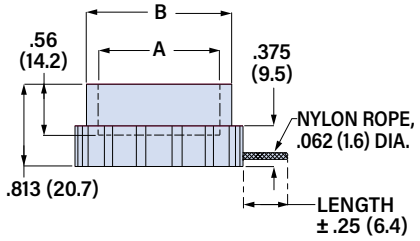
for Series 805 Mighty Mouse Connectors

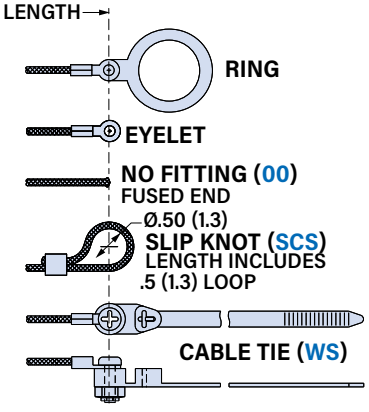
809-196 Rubber Cover, Receptacle

809-196 covers fit Glenair Series 805 Mighty Mouse receptacle connectors. Rugged molded rubber "Mini-Bean" cover protects equipment from dust and damage. Fungus-resistant, sulfur-free neoprene with nylon rope. Attachment choices include cable tie, slip knot or ring. Rings are stainless steel with non-reflective black coating. Splashproof, not submersible.

MATERIAL / FINISH

Cover: black neoprene (standard), fungus resistant, sulfur-free
Code C: conductive black neoprene, 100 ohms/sq. minimum
Attachment cord: nylon, black
Cable tie: black nylon with passivated SST screw and locknut
Ring, eyelet: SST, black zinc cobalt
Slip knot sleeve: copper/ black zinc cobalt





Shell Size	øA ± .060 (1.5) In.	øA ± .060 (1.5) mm.	øB ± .060 (1.5) In.	øB ± .060 (1.5) mm.
-08	.47	11.9	.66	16.8
-09	.53	13.5	.72	18.3
-10	.60	15.2	.78	19.8
-11	.66	16.8	.85	21.6
-12	.72	18.3	.91	23.1
-13	.78	19.8	.97	24.6
-15	.91	23.1	1.10	27.9
-18	1.10	27.9	1.28	32.5
-19	1.16	29.5	1.35	34.3
-21	1.28	32.5	1.47	37.3
-23	1.41	35.8	1.60	40.6

PART NUMBER

	809-196	-12	G	6	-02	C
Base P/N	**809-196** Receptacle Cover					
Shell Size	-08 -09 -10 -11 -12 -13 -15 -18 -19 -21 -23					
Attachment Type	*Omit for No Attachment* **G** Nylon Rope, .062 (1.6) diameter					
Attachment Length	*Length in 1 inch increments*					
Attachment Fitting	**-00** No Fitting **-SCS** Slip Knot **-WS** Cable Tie *See Table 1 for Eyelet and Ring Attachment Fitting Codes*					
Material	*Omit for non-conductive black neoprene* **C** Conductive Black Neoprene (10^5 Ω/square min)					

TABLE 1 ATTACHMENT FITTING

SLIP KNOT

Code SCS
Copper sleeve with black zinc cobalt finish. May be crimped after adjustment to permanently fix location.

CABLE TIE

Code WS
6/6 nylon cable tie with screw and locknut. 1.77 (45.0) max. wire bundle dia. -40 to +85 °C.

RING

Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-32	.265 (6.7)	-19	.885 (22.5)
-29	.315 (8.0)	-26	.950 (24.1)
-14	.385 (9.8)	-28	1.015 (25.8)
-15	.445 (11.3)	-20	1.070 (27.2)
-33	.510 (13.0)	-21	1.135 (28.8)
-16	.570 (14.5)	-22	1.210 (30.7)
-17	.635 (16.1)	-23	1.275 (32.4)
-18	.695 (17.7)	-30	1.380 (35.1)
-27	.766 (19.5)	-25	1.530 (38.9)
-31	.820 (20.8)		

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-01	.125 (3.2)
-02	.145 (3.7)
-04	.182 (4.6)
-06	.197 (5.0)

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Dimensions in Inches (millimeters) are subject to change without notice.

Series 78 Rubber Covers

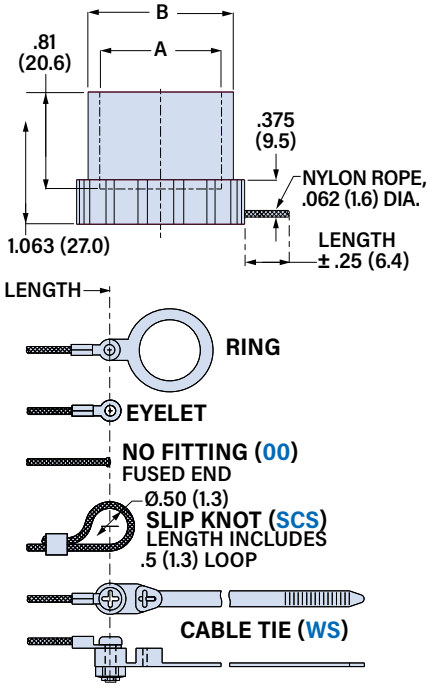
for Series 805 Mighty Mouse Connectors

809-197 Rubber Cover, Plug

809-197 covers fit Glenair Series 805 Mighty Mouse plug connectors. Rugged molded rubber "Mini-Bean" cover fits over the coupling nut and protects from dust and damage. Fungus-resistant, sulfur-free neoprene with nylon rope. Attachment choices include cable tie, slip knot or ring. Rings are stainless steel with non-reflective black coating. Splashproof, not submersible.

MATERIAL / FINISH

Cover: black neoprene (standard), fungus resistant, sulfur-free
Code C: conductive black neoprene, 100 ohms/sq. minimum
Attachment cord: nylon, black
Cable tie: black nylon with passivated SST screw and locknut
Ring, eyelet: SST, black zinc cobalt
Slip knot sleeve: copper/ black zinc cobalt



Shell Size	øA ± .060 (1.5) In.	øA ± .060 (1.5) mm.	øB ± .060 (1.5) In.	øB ± .060 (1.5) mm.
-08	.66	16.8	.91	23.1
-09	.76	19.3	1.01	25.7
-10	.80	20.3	1.05	26.7
-11	.89	22.6	1.14	29.0
-12	.95	24.1	1.20	30.5
-13	1.02	25.9	1.27	32.3
-15	1.07	27.2	1.32	33.5
-18	1.26	32.0	1.51	38.4
-19	1.28	32.5	1.53	38.9
-21	1.42	36.1	1.67	42.4
-23	1.53	38.9	1.78	45.2

PART NUMBER

	809-197	-12	G	6	-02	C

Base P/N	**809-197** Plug Cover
Shell Size	**-08 -09 -10 -11 -12 -13 -15 -18 -19 -21 -23**
Attachment Type	*Omit for No Attachment* **G** Nylon Rope, .062 (1.6) diameter
Attachment Length	*Length in 1 inch increments*
Attachment Fitting	**-00** No Fitting **-SCS** Slip Knot **-WS** Cable Tie *See Table 1 for Eyelet and Ring Attachment Fitting Codes*
Material	*Omit for non-conductive black neoprene* **C** Conductive Black Neoprene (10^5 Ω/square min)

TABLE 1 ATTACHMENT FITTING

SLIP KNOT

Code SCS
Copper sleeve with black zinc cobalt finish. May be crimped after adjustment to permanently fix location.

CABLE TIE

Code WS
6/6 nylon cable tie with screw and locknut. 1.77 (45.0) max. wire bundle dia. -40 to +85 °C.

RING

Code	Ring I.D. ± .015 (0.4)	Code	Ring I.D. ± .015 (0.4)
-32	.265 (6.7)	-19	.885 (22.5)
-29	.315 (8.0)	-26	.950 (24.1)
-14	.385 (9.8)	-28	1.015 (25.8)
-15	.445 (11.3)	-20	1.070 (27.2)
-33	.510 (13.0)	-21	1.135 (28.8)
-16	.570 (14.5)	-22	1.210 (30.7)
-17	.635 (16.1)	-23	1.275 (32.4)
-18	.695 (17.7)	-30	1.380 (35.1)
-27	.766 (19.5)	-25	1.530 (38.9)
-31	.820 (20.8)		

EYELET

Code	Eyelet I.D. ± .010 (0.3)
-01	.125 (3.2)
-02	.145 (3.7)
-04	.182 (4.6)
-06	.197 (5.0)

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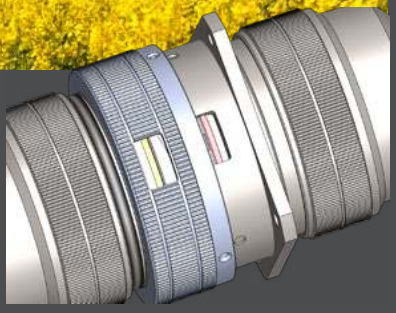
ALSO AVAILABLE FROM GLENAIR

- MADE IN USA
- MASSIVE SAME-DAY INVENTORY

Nuclear-grade Quick-Disconnect connectors: Double Peripheral Seal Interconnect for Stringent Containment Area (Class 1E) Applications

Glenair SuperNG connectors have been designed to withstand the most stringent LOCA qualification criteria, including those requiring long-term submersion, 60-year thermal cycle simulation, and long-term radiation exposure. SuperNG utilizes machined stainless steel shells and polymeric insert materials for maximum resistance to cumulative radiation, thermal, seismic, and pressure for class 1E harsh nuclear environments. Double peripheral seals ensure life-of-system environmental performance.



Signature double O-ring peripheral seal

GLENAIR SuperNG ZONE 1 INTERCONNECT APPLICATION SUPPORT

SuperNG is optimized for equipment applications in containment area Class 1E including:

- Valve controls/monitoring
- Control rod drive mechanisms
- Rod position indicators
- Pressure transmitters
- Solenoids
- Hydrogen detectors
- Fuel handing equipment
- Radiation tolerant cameras
- Limit switches
- Radiation detectors
- In-core detectors
- Data acquisition equipment
- Post accident monitoring systems
- Process control monitoring

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Swing-Arm® Clamps

Selection Guide

SWING-ARM®
THREE-IN-ONE CLAMP

Series 870 Saddle Clamp

Swing-Arm saddle clamps are available in three materials: corrosion-free composite material, aluminum alloy or stainless steel.

Series 871 Flex Clamp

Swing-Arm flex clamps feature high-strength PEEK flexible arms with recess to accept band or cable tie.

Drop-in Banding Adapter

Swing-Arm clamps are available with "drop-in" brass or aluminum banding adapters. Terminate overall shield and individual shields with Band-Master ATS band.

Series 87 Swing-Arm Clamps

Swing-Arm® clamps provide cable strain relief for mil spec circular electrical connectors including M38999, M83723, and M5015, along with Glenair's Series 80 Mighty Mouse and Series 806 Mil-Aero connectors. Swing-Arms have repositionable arms for straight, 45° or 90° cable positions. Rugged Swing-Arm clamps offer easy installation, long-term performance, weight savings and SKU reduction.

Performance tested to stringent AS85049 mechanical and electrical standards, self-locking Swing-Arm clamps are suitable for high vibration environments including military and commercial aircraft.

- Repositionable arms adjust to straight, 45° and 90°
- Two styles: saddle clamp and flex clamp
- Corrosion-resistant composite, aluminum or stainless steel
- Two shielding options: braid sock or drop-in banding adapter
- -65 to +200 °C operating temperature
- Outstanding weight and SKU reduction

Series 870 Saddle Clamp Styles

Unshielded

Braid Sock

Drop-In Banding Adapter

Series 871 Flex Clamp Styles

Unshielded

Braid Sock

Drop-In Banding Adapter

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Swing-Arm® Clamps

Selection Guide

Adapter Code A
AS50151 crimp
AS95234
MIL-DTL-26482 Ser. II
MIL-DTL-83723 Ser. III

SwingArm Saddle Clamp
Composite/Aluminum/SST
870A001
Page 87-4

SwingArm Saddle Clamp
Braid Sock, Composite
870A002
Page 87-6

SwingArm Saddle Clamp
Aluminum/SST, Braid Sock
870A003
Page 87-8

SwingArm Saddle Clamp
EMI Band Adapter, Composite
870A004
Page 87-10

SwingArm Saddle Clamp
EMI Band Adapter, Alum/SST
870A005
Page 87-12

SwingArm Flex Clamp
Composite or Aluminum
871A001
Page 87-14

SwingArm Flex Clamp
Braid Sock, Composite
871A002
Page 87-15

SwingArm Flex Clamp
Braid Sock, Aluminum
871A003
Page 87-17

SwingArm Flex Clamp
EMI Band Adapter, Composite
871A004
Page 87-19

SwingArm Flex Clamp
EMI Band Adapter, Aluminum
871A005
Page 87-21

Adapter Code F
MIL-DTL-38999
Series I and II

SwingArm Saddle Clamp
Composite/Aluminum/SST
870F001
Page 87-22

SwingArm Saddle Clamp
Braid Sock, Composite
870F002
Page 87-24

SwingArm Saddle Clamp
Aluminum/SST, Braid Sock
870F003
Page 87-26

SwingArm Saddle Clamp
EMI Band Adapter, Composite
870F004
Page 87-28

SwingArm Saddle Clamp
EMI Band Adapter, Alum/SST
870F005
Page 87-30

SwingArm Flex Clamp
Composite or Aluminum
871F001
Page 87-32

SwingArm Flex Clamp
Braid Sock, Composite
871F002
Page 87-33

SwingArm Flex Clamp
Braid Sock, Aluminum
871F003
Page 87-35

SwingArm Flex Clamp
EMI Band Adapter, Composite
871F004
Page 87-37

SwingArm Flex Clamp
EMI Band Adapter, Aluminum
871F005
Page 87-39

Adapter Code H
MIL-DTL-38999
Series III and IV

SwingArm Saddle Clamp
Composite/Aluminum/SST
870H001
Page 87-40

SwingArm Saddle Clamp
Braid Sock, Composite
870H002
Page 87-42

SwingArm Saddle Clamp
Aluminum/SST, Braid Sock
870H003
Page 87-44

SwingArm Saddle Clamp
EMI Band Adapter, Composite
870H004
Page 87-46

SwingArm Saddle Clamp
EMI Band Adapter, Alum/SST
870H005
Page 87-48

SwingArm Flex Clamp
Composite or Aluminum
871H001
Page 87-50

SwingArm Flex Clamp
Braid Sock, Composite
871H002
Page 87-51

SwingArm Flex Clamp
Braid Sock, Aluminum
871H003
Page 87-53

SwingArm Flex Clamp
EMI Band Adapter, Composite
871H004
Page 87-55

SwingArm Flex Clamp
EMI Band Adapter, Aluminum
871H005
Page 87-57

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Swing-Arm® Clamps

Selection Guide

Adapter Code M
Series 80 Mighty Mouse

SwingArm Saddle Clamp
Composite/Aluminum/SST
870M001
Page 87-58

SwingArm Saddle Clamp
Braid Sock, Composite
870M002
Page 87-60

SwingArm Saddle Clamp
Aluminum/SST, Braid Sock
870M003
Page 87-62

SwingArm Saddle Clamp
EMI Band Adapter, Composite
870M004
Page 87-64

SwingArm Saddle Clamp
EMI Band Adapter, Alum/SST
870M005
Page 87-66

SwingArm Flex Clamp
Composite or Aluminum
871M001
Page 87-68

SwingArm Flex Clamp
Braid Sock, Composite
871M002
Page 87-69

SwingArm Flex Clamp
Braid Sock, Aluminum
871M003
Page 87-71

SwingArm Flex Clamp
EMI Band Adapter, Composite
871M004
Page 87-73

SwingArm Flex Clamp
EMI Band Adapter, Aluminum
871M005
Page 87-75

Adapter Code V
Series 806 Mil-Aero

SwingArm Saddle Clamp
Composite/Aluminum/SST
870V001
Page 87-76

SwingArm Saddle Clamp
Braid Sock, Composite
870V002
Page 87-78

SwingArm Saddle Clamp
Aluminum/SST, Braid Sock
870V003
Page 87-80

SwingArm Saddle Clamp
EMI Band Adapter, Composite
870V004
Page 87-82

SwingArm Saddle Clamp
EMI Band Adapter, Alum/SST
870V005
Page 87-84

SwingArm Flex Clamp
Composite or Aluminum
871V001
Page 87-86

SwingArm Flex Clamp
Braid Sock, Composite
871V002
Page 87-87

SwingArm Flex Clamp
Braid Sock, Aluminum
871V003
Page 87-89

SwingArm Flex Clamp
EMI Band Adapter, Composite
871V004
Page 87-91

SwingArm Flex Clamp
EMI Band Adapter, Aluminum
871V005
Page 87-93

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Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

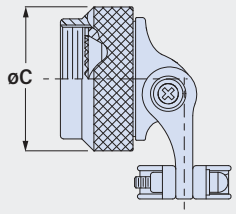
870A001 Swing-Arm Saddle Clamp

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

ALUMINUM AND SST VERSIONS

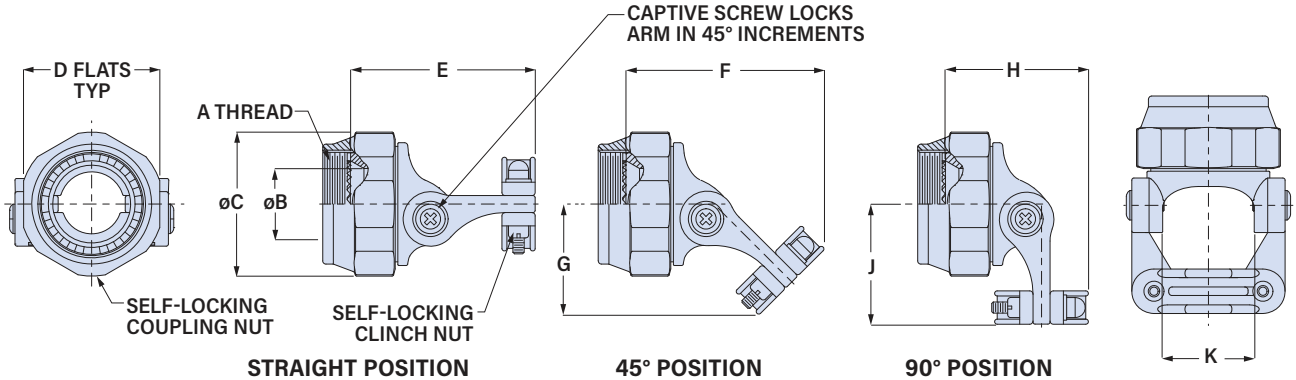


Aluminum and stainless steel versions have round knurled coupling nuts.

Self-locking, adjustable arms. 870A001 Swing-Arm saddle clamp fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threaded inserts to withstand high vibration. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Available in composite, aluminum or stainless steel.

PART NUMBER

	870A001	XB	22	B
Base P/N	**870A001**			
Material/Finish	*Composite* **XB** No Finish (Black) *Aluminum* **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFR **TZ** Tin-Zinc **ZR** Black Zinc-Nickel *Stainless Steel* **Z1** Passivated			
Shell Size	**08 10 12 14 16 18 20 22 24**			
Clamp Size	**A** Standard Clamp **B** Large Clamp			



Shell Size	A Thread Class 2B	øB Min in	øB Min mm	C Max in	C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
08	0.500-20 UNF	.264	6.7	.812	20.6	.750	19.1	1.43	36.3	1.35	34.3	.78	19.8	.91	23.1	.87	22.1	.393	10.0
10	0.625-24 UNEF	.365	9.3	.938	23.8	.875	22.2	1.50	38.1	1.45	36.8	.87	22.1	.94	23.9	.96	24.4	.455	11.6
12	0.750-20 UNEF	.498	12.6	1.125	28.6	1.000	25.4	1.56	39.6	1.60	40.6	.97	24.6	1.12	28.4	1.03	26.2	.598	15.2
14	0.875-20 UNEF	.575	14.6	1.250	31.8	1.125	28.6	1.57	39.9	1.68	42.7	1.02	25.9	1.21	30.7	1.10	27.9	.710	18.0
16	1.000-20 UNEF	.700	17.8	1.375	34.9	1.250	31.8	1.66	42.2	1.78	45.2	1.09	27.7	1.29	32.8	1.16	29.5	.839	21.3
18	1.0625-18 UNEF	.779	19.8	1.500	38.1	1.375	34.9	1.66	42.2	1.86	47.2	1.14	29.0	1.39	35.3	1.22	31.0	.934	23.7
20	1.1875-18 UNEF	.904	23.0	1.625	41.3	1.500	38.1	1.81	46.0	2.02	51.3	1.24	31.5	1.50	38.1	1.29	32.8	1.068	27.1
22	1.3125-18 UNEF	1.029	26.1	1.750	44.5	1.625	41.3	1.84	46.7	2.09	53.1	1.30	33.0	1.57	39.9	1.36	34.5	1.197	30.4
24	1.4375-18 UNEF	1.144	29.1	1.875	47.6	1.750	44.5	2.00	50.8	2.20	55.9	1.45	36.8	1.64	41.7	1.55	39.4	1.323	33.6

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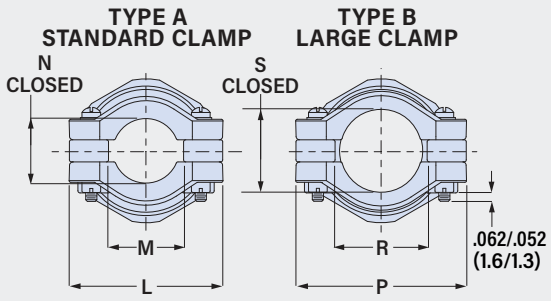
Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

870A001 Swing-Arm Saddle Clamp

CLAMP DIMENSIONS



Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp Shell Size	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	08	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.44	36.6	.55	14.0	.590	15.0	16	1.60	40.6	.80	20.3	.759	19.3
18	1.56	39.6	.62	15.7	.660	16.8	18	1.73	43.9	.90	22.9	.841	21.4
20	1.69	42.9	.70	17.8	.744	18.9	20	1.95	49.5	1.05	26.7	.996	25.3
22	1.77	45.0	.78	19.8	.826	21.0	22	2.08	52.8	1.18	30.0	1.060	26.9
24	1.89	48.0	.85	21.6	.896	22.8	24	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Composite *(Code XB)*
- **Coupling nut, body, arms, saddles:** polyetherimide (PEI), unplated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** stainless steel, silver plated

Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated.
  Code NF: stainless steel/ olive drab cadmium

Stainless Steel *(Code Z1)*
- **Coupling nut, body, arms, saddles:** SST
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** stainless steel
- **Clinch Nuts:** stainless steel, silver plated

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Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

870A002 Swing-Arm Saddle Clamp, Braid Sock, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870A002 composite Swing-Arm saddle clamp fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant glass-reinforced thermoplastic meets AS85049 requirements. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code A

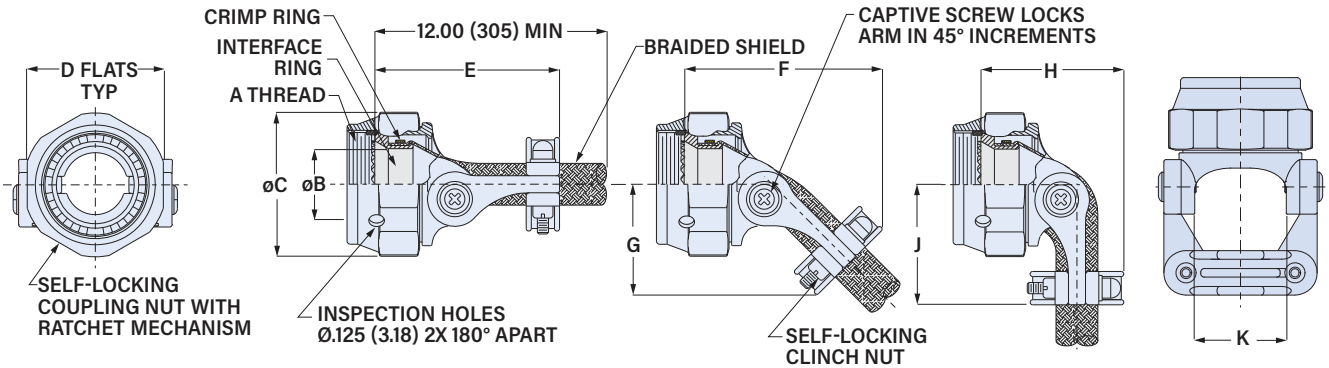
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

TABLE 1
INTERFACE RING MATERIAL / FINISH

Aluminum	
M	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

	870A002	BM	22	A	N	J	14
Base P/N	870A002						
Interface Ring Material/Finish	*See Table 1*						
Shell Size	08 10 12 14 16 18 20 22 24						
Clamp Size	*See Clamp Dimensions on next page* A Standard Clamp B Large Clamp						
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L Microfilament ArmorLite® Nickel/SST Braid						
Splice Ring and Band	*Omit if not required* K Splice ring and standard band J Splice ring and slim standard band						
Braid Length	*Omit for standard 12 inch length* 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.						



Shell Size	A Thread Class 2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
08	0.500-20 UNF	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10	0.625-24 UNEF	.365	9.3	.938	23.8	.875	22.2	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12	0.750-20 UNEF	.498	12.6	1.125	28.6	1.000	25.4	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14	0.875-20 UNEF	.575	14.6	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16	1.000-20 UNEF	.700	17.8	1.375	34.9	1.250	31.8	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
18	1.0625-18 UNEF	.779	19.8	1.500	38.1	1.375	34.9	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
20	1.1875-18 UNEF	.904	23.0	1.625	41.3	1.500	38.1	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
22	1.3125-18 UNEF	1.029	26.1	1.750	44.5	1.625	41.3	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4
24	1.4375-18 UNEF	1.144	29.1	1.875	47.6	1.750	44.5	1.94	49.3	2.23	56.6	1.33	33.8	1.70	43.2	1.40	35.6	1.323	33.6

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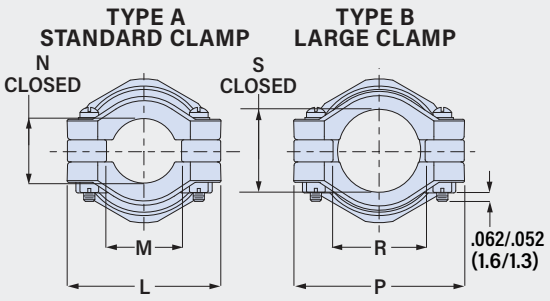
Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

870A002 Swing-Arm Saddle Clamp, Braid Sock, Composite

CLAMP DIMENSIONS

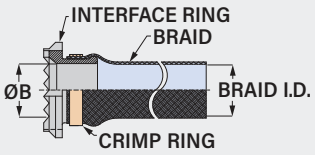


Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
16	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
18	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
20	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
22	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9
24	1.89	48.0	.85	21.6	.896	22.8	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

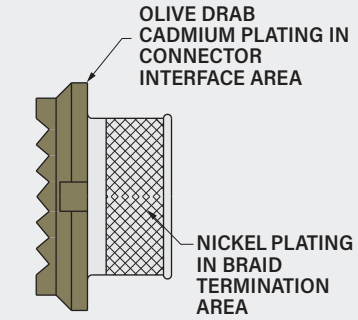
Coupling nut, body, arms, saddles: polyetherimide (PEI)/unplated
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
interface ring: brass or aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Clinch Nuts: stainless steel/silver
Band (optional): stainless steel/passivated
Braid:
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand***® ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
08	.264	6.7	.375	9.5
10	.365	9.3	.375	9.5
12	.498	12.6	.500	12.7
14	.575	14.6	.500	12.7
16	.700	17.8	.781	19.8
18	.779	19.8	.781	19.8
20	.904	23.0	1.000	25.4
22	1.029	26.1	1.000	25.4
24	1.144	29.1	1.250	31.8

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

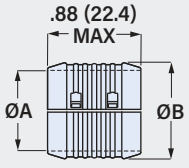
Splice Ring

Band

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
14	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
16	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
18	601-041	601-573	687-207XB14	.88	22.4	1.03	26.2
20	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
22	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5
24	601-041	601-573	687-207XB20	1.25	31.8	1.40	35.6



687-207
SPLICE RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

870A003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

Self-Locking

Shielded, self-locking, adjustable arms. 870A003 stainless steel or aluminum Swing-Arm saddle clamp fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code A

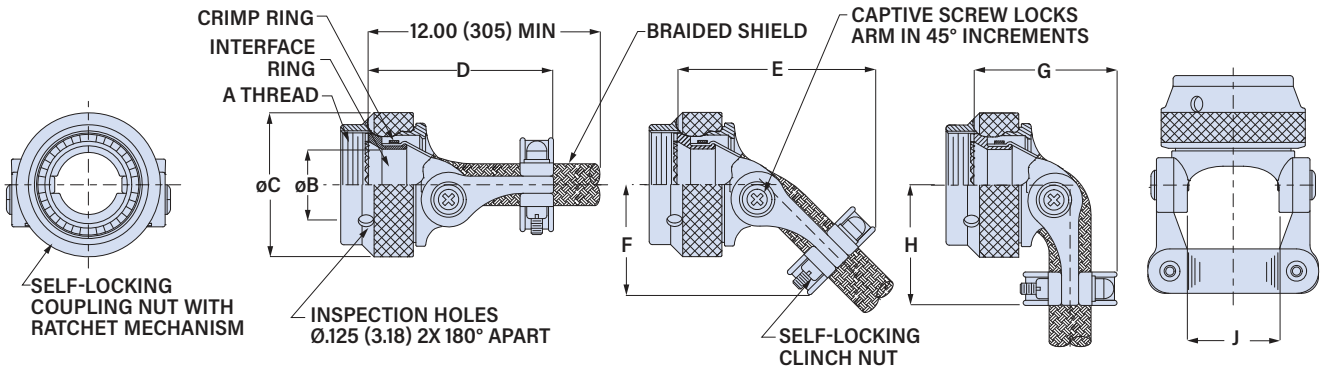
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
NF	Olive drab cadmium, selective (fig. 1)
MT	Nickel-PTFE
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

PART NUMBER

	870A003	M	12	B	L	K	14
Base P/N	870A003						
Material/Finish	*See Table 1*						
Shell Size	08 10 12 14 16 18 20 22 24						
Clamp Size	*See Clamp Dimensions on next page* A Standard Clamp B Large Clamp						
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L Microfilament ArmorLite® Nickel/SST Braid						
Splice Ring and Band	*Omit if not required. See "Splice Ring and Band" on next page.* K Splice ring and standard band J Splice ring and slim standard band						
Braid Length	*Omit for standard 12 inch length* 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.						



Shell Size	A Thread Class 2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
08	0.500-20 UNF	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10	0.625-24 UNEF	.365	9.3	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12	0.750-20 UNEF	.498	12.6	1.125	28.6	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14	0.875-20 UNEF	.575	14.6	1.250	31.8	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16	1.000-20 UNEF	.700	17.8	1.375	34.9	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
18	1.0625-18 UNEF	.779	19.8	1.500	38.1	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
20	1.1875-18 UNEF	.904	23.0	1.625	41.3	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
22	1.3125-18 UNEF	1.029	26.1	1.750	44.5	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4
24	1.4375-18 UNEF	1.144	29.1	1.875	47.6	1.94	49.3	2.23	56.6	1.33	33.8	1.70	43.2	1.40	35.6	1.323	33.6

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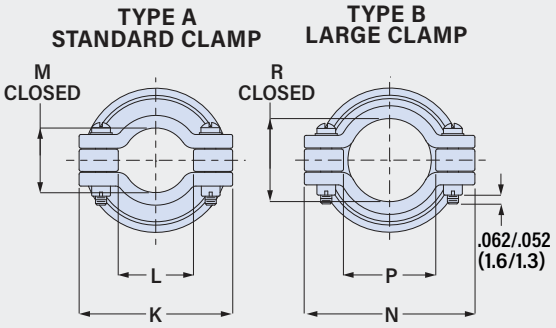
Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

870A003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

CLAMP DIMENSIONS



Shell Size	Standard Clamp K Max in	K Max mm	L Min in	L Min mm	M Ref. in	M Ref. mm	Large Clamp N Max in	N Max mm	P Min in	P Min mm	R Ref. in	R Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
16	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
18	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
20	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
22	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9
24	1.89	48.0	.85	21.6	.896	22.8	2.32	58.9	1.30	33.0	1.124	28.5

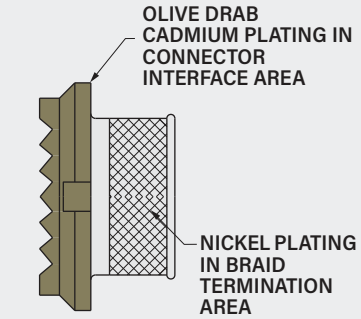
MATERIAL/FINISH

Aluminum ***(Codes M, MT, NF, TZ, ZR)***
- **Coupling nut, body, arms, saddles, interface ring:** aluminum
- **Crimp Ring:** copper alloy/ tin plated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling spring:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF: stainless steel/ olive drab cadmium

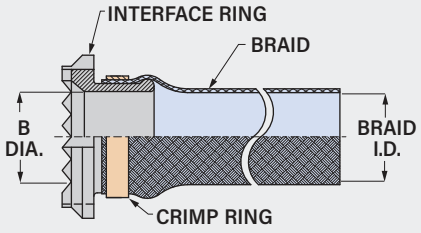
Stainless Steel ***(Codes BM, BMT, Z1, ZM)***
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Crimp Ring:** copper alloy/ tin plated
- **Clinch nuts:** stainless steel, silver plated
- **interface ring:** brass (codes BM, BMT) or stainless steel (Z1, ZM)

Braid:
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand®*** ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite®*** lightweight microfilament nickel-coated 316L stainless steel

FIGURE 1
NF SELECTIVE FINISH



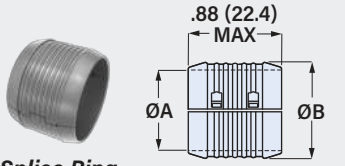
INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
08	.264	6.7	.375	9.5
10	.365	9.3	.375	9.5
12	.498	12.6	.500	12.7
14	.575	14.6	.500	12.7
16	.700	17.8	.781	19.8
18	.779	19.8	.781	19.8
20	.904	23.0	1.000	25.4
22	1.029	26.1	1.000	25.4
24	1.144	29.1	1.250	31.8

SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. Install band around splice ring and braid using Band-Master ATS banding tool. ***Slim Standard Band*** is 50% lighter weight than standard band with no reduction in strength.



Splice Ring

687-207
SPLICE RING

Band

Standard Band Tool
601-100

Slim Standard Band Tool
601-109

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Split Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
14	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
16	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
18	601-041	601-573	687-207XB14	.88	22.4	1.03	26.2
20	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
22	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5
24	601-041	601-573	687-207XB20	1.25	31.8	1.40	35.6

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Dimensions in Inches (millimeters) are subject to change without notice.

Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

870A004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870A004 Swing-Arm saddle clamp fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

FIGURE 1
FINISH CODES *NFS*, *BNS*

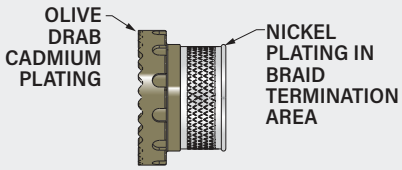
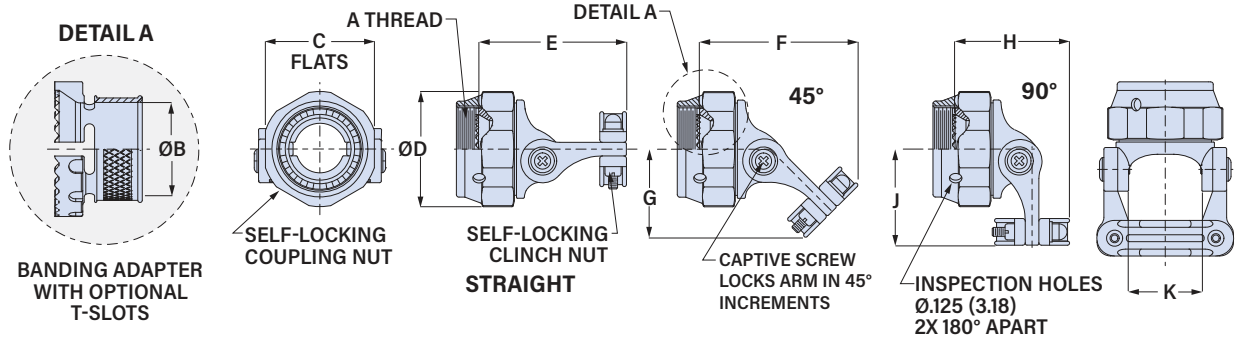


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

	870A004	M	22	A	S	K
Base P/N	870A004					
Banding Adapter Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc **BM** Brass/Electroless Nickel **BN** Brass/Olive Drab Cadmium **BNS** Brass/O.D. Cadmium, selective (fig. 1) **BMT** Brass/Nickel-PTFE					
Shell Size		**08 10 12 14 16 18 20 22 24**				
Clamp SizeW			**A** Standard Clamp **B** Large Clamp			
Banding Adapter Slots				*Omit if not required. See Figure 2.* **S** "T" Slots in Banding Adapter for Shield Pigtails		
Band					*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp	



Shell Size	A Thread Class 2B	ø B Min in	ø B Min mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
08	0.500-20 UNF	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
10	0.625-24 UNEF	.305	7.8	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
12	0.750-20 UNEF	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67	42.4	.93	23.6	1.17	29.7	1.03	26.2	.598	15.2
14	0.875-20 UNEF	.565	14.4	1.125	28.6	1.250	31.8	1.67	42.4	1.76	44.7	1.00	25.4	1.28	32.5	1.10	27.9	.710	18.0
16	1.000-20 UNEF	.658	16.7	1.250	31.8	1.375	34.9	1.77	45.0	1.89	48.0	1.09	27.7	1.40	35.6	1.16	29.5	.839	21.3
18	1.0625-18 UNEF	.748	19.0	1.375	34.9	1.500	38.1	1.77	45.0	1.96	49.8	1.14	29.0	1.50	38.1	1.22	31.0	.934	23.7
20	1.1875-18 UNEF	.877	22.3	1.500	38.1	1.625	41.3	1.92	48.8	2.11	53.6	1.22	31.0	1.57	39.9	1.29	32.8	1.068	27.1
22	1.3125-18 UNEF	.999	25.4	1.625	41.3	1.750	44.5	1.95	49.5	2.18	55.4	1.28	32.5	1.67	42.4	1.36	34.5	1.197	30.4
24	1.4375-18 UNEF	1.127	28.6	1.750	44.5	1.875	47.6	1.98	50.3	2.25	57.2	1.34	34.0	1.73	43.9	1.43	36.3	1.323	33.6

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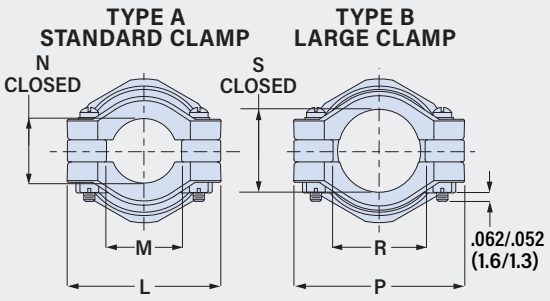
Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

870A004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

CLAMP DIMENSIONS



Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.97	24.6	.22	5.6	.264	6.7	.98	24.9	.33	8.4	.356	9.0
10	1.03	26.2	.29	7.4	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.21	30.7	.34	8.6	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.32	33.5	.45	11.4	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
16	1.45	36.8	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
18	1.54	39.1	.65	16.5	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
20	1.67	42.4	.74	18.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
22	1.79	45.5	.87	22.1	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9
24	1.92	48.8	.99	25.1	.896	22.8	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Coupling nut, body, arms, saddles: polyetherimide (PEI)/ unplated black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Banding adapter: aluminum alloy or brass
Band (optional): stainless steel/ passivated
Clinch Nuts: stainless steel/ silver plated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 28	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

870A005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

Self-Locking

Shielded, self-locking, adjustable arms. 870A005 aluminum or stainless steel Swing-Arm saddle clamp fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
MT	Nickel-PTFE
NF	Olive drab cadmium
NFS	Olive drab cadmium, selective (fig. 1)
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interfW ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

PART NUMBER

	870A005	M	22	A	S	K
Base P/N	870A005					
Material/Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Clamp Size	A Standard Clamp B Large Clamp					
Banding Adapter Slots	*Omit if not required. See Figure 2.* S "T" Slots in Banding Adapter for Shield Pigtails					
Band	*Omit if not required.* K Pre-Coiled Micro Band included With Clamp J Pre-Coiled Slim Micro Band included With Clamp					

FIGURE 1
MATERIAL/ FINISH CODE *NFS*

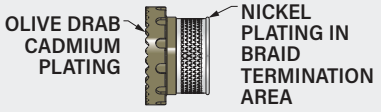
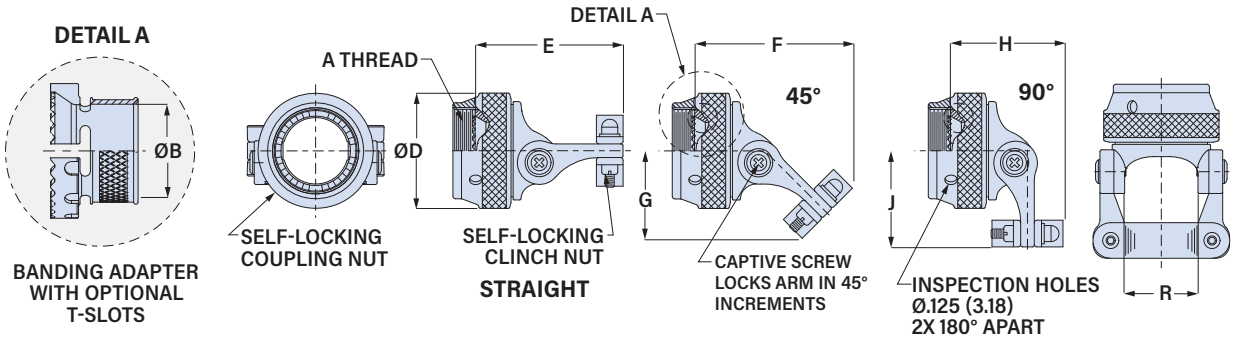


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.



Shell Size	A Thread Class 2B	ø B Min in	ø B Min mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	R Ref. in	R Ref. mm
08	0.500-20 UNF	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
10	0.625-24 UNEF	.305	7.8	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
12	0.750-20 UNEF	.404	10.3	1.125	28.6	1.66	42.2	1.71	43.4	.97	24.6	1.22	31.0	1.03	26.2	.598	15.2
14	0.875-20 UNEF	.565	14.4	1.250	31.8	1.67	42.4	1.79	45.5	1.02	25.9	1.32	33.5	1.10	27.9	.710	18.0
16	1.000-20 UNEF	.658	16.7	1.375	34.9	1.77	45.0	1.88	47.8	1.08	27.4	1.38	35.1	1.16	29.5	.839	21.3
18	1.0625-18 UNEF	.748	19.0	1.500	38.1	1.77	45.0	1.96	49.8	1.13	28.7	1.49	37.8	1.22	31.0	.934	23.7
20	1.1875-18 UNEF	.877	22.3	1.625	41.3	1.92	48.8	2.13	54.1	1.24	31.5	1.61	40.9	1.29	32.8	1.068	27.1
22	1.3125-18 UNEF	.999	25.4	1.750	44.5	1.95	49.5	2.20	55.9	1.30	33.0	1.68	42.7	1.36	34.5	1.197	30.4
24	1.4375-18 UNEF	1.127	28.6	1.875	47.6	2.10	53.3	2.31	58.7	1.39	35.3	1.75	44.5	1.55	39.4	1.323	33.6

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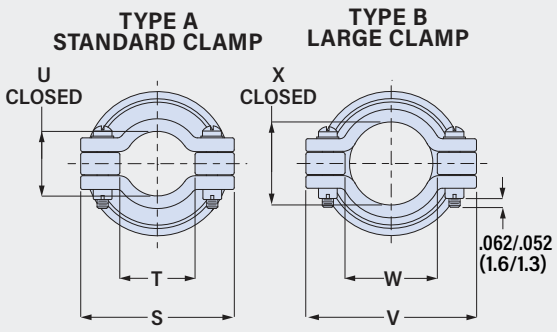
Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

870A005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	S Max in	S Max mm	T Min in	T Min mm	U Ref. in	U Ref. mm	Shell Size	V Max in	V Max mm	W Min in	W Min mm	X Ref. in	X Ref. mm
08	.97	24.6	.22	5.6	.264	6.7	08	.98	24.9	.33	8.4	.356	9.0
10	1.03	26.2	.29	7.4	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.21	30.7	.34	8.6	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.32	33.5	.45	11.4	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.45	36.8	.55	14.0	.590	15.0	16	1.60	40.6	.80	20.3	.759	19.3
18	1.54	39.1	.65	16.5	.660	16.8	18	1.73	43.9	.90	22.9	.841	21.4
20	1.67	42.4	.74	18.8	.744	18.9	20	1.95	49.5	1.05	26.7	.996	25.3
22	1.79	45.5	.87	22.1	.826	21.0	22	2.08	52.8	1.18	30.0	1.060	26.9
24	1.92	48.8	.99	25.1	.896	22.8	24	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Aluminum ***(Codes M, MT, NF, NFS TZ, ZR)***
- **Coupling nut, body, arms, saddles, interface ring:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF, NFS: stainless steel/ olive drab cadmium
- **Banding adapter:** aluminum
- **Band (optional):** stainless steel/ passivated

Stainless Steel ***(Codes BM, BMT, Z1, ZM)***
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Clinch nuts:** stainless steel, silver plated
- **Banding adapter:**
  - Code BM: brass/ electroless nickel
  - Code BMT: brass/ nickel-PTFE
  - Code Z1: stainless steel/ passivated
  - Code ZM: stainless steel/ electroless nickel
- **Band (optional):** stainless steel/ passivated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 - 12	601-061	601-601	8.125	206	.88	22.4
14 - 28	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

871A001 Swing-Arm Flex Clamp

Self-Locking

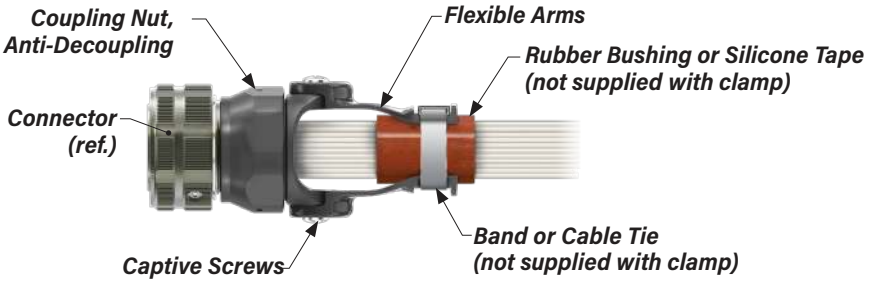
Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

MATERIAL/FINISH

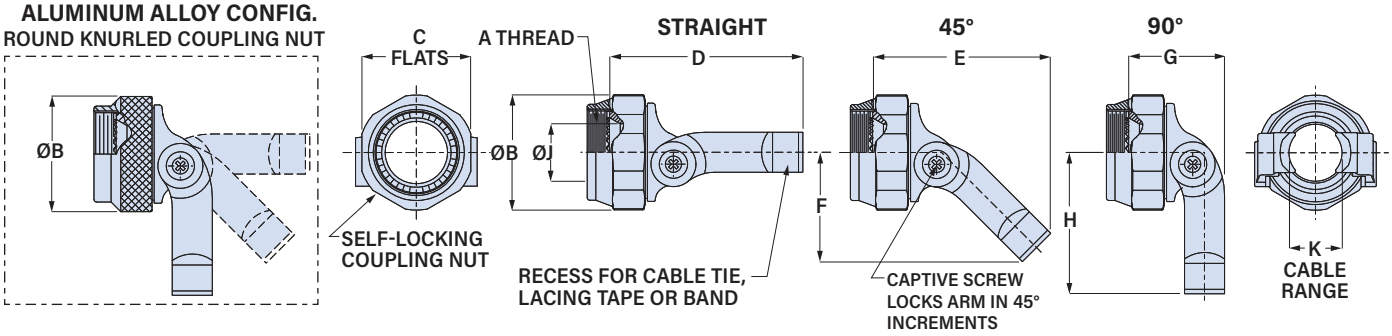
Body, coupling nut :
Code XB: polyetherimide, black
Codes M, MT, NF, TZ, ZR: aluminum alloy
Arms: PEEK, black
Hardware: stainless steel
Anti-decoupling spring: thermoplastic

Lightweight, self-locking, flexible arms. 871A001 Swing-Arm Flex Clamp fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Use banding strap or cable tie to secure arms to wire bundle. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Clamp and coupling nut are composite or aluminum, flex arms are PEEK. Passivated SST hardware.



PART NUMBER

	871A001	XB	12
Base P/N	871A001		
Material/Finish	*Composite* **XB** No Finish (Black) *Aluminum* **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFR **TZ** Tin-Zinc **ZR** Black Zinc-Nickel	*Material/Finish Code applies to coupling nut and clamp body. Flex arms are black thermoplastic.*	
Shell Size	**08 10 12 14 16 18 20 22 24**		



Shell Size	A Thread Class 2B	øB Max in	øB Max mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	øJ Min in	øJ Min mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
08	0.500-20 UNF	.812	20.6	.750	19.1	1.69	42.9	1.46	37.1	.87	22.1	.85	21.6	1.12	28.4	.264	6.7	.393	10.0	.098	2.5
10	0.625-24 UNEF	.938	23.8	.875	22.2	1.69	42.9	1.46	37.1	.89	22.6	.85	21.6	1.15	29.2	.390	9.9	.455	11.6	.121	3.1
12	0.750-20 UNEF	1.125	28.6	1.000	25.4	1.97	50.0	1.77	45.0	1.10	27.9	.94	23.9	1.44	36.6	.504	12.8	.598	15.2	.157	4.0
14	0.875-20 UNEF	1.250	31.8	1.125	28.6	1.97	50.0	1.77	45.0	1.32	33.5	.94	23.9	1.50	38.1	.630	16.0	.710	18.0	.210	5.3
16	1.000-20 UNEF	1.375	34.9	1.250	31.8	2.18	55.4	2.02	51.3	1.28	32.5	1.10	27.9	1.68	42.7	.756	19.2	.839	21.3	.246	6.2
18	1.0625-18 UNEF	1.500	38.1	1.375	34.9	2.18	55.4	2.02	51.3	1.35	34.3	1.10	27.9	1.74	44.2	.843	21.4	.934	23.7	.277	7.0
20	1.1875-18 UNEF	1.625	41.3	1.500	38.1	2.64	67.1	2.43	61.7	1.63	41.4	1.26	32.0	2.12	53.8	.969	24.6	1.068	27.1	.313	8.0
22	1.3125-18 UNEF	1.750	44.5	1.625	41.3	2.64	67.1	2.43	61.7	1.67	42.4	1.26	32.0	2.16	54.9	1.091	27.7	1.197	30.4	.349	8.9
24	1.4375-18 UNEF	1.875	47.6	1.750	44.5	2.85	72.4	2.65	67.3	1.84	46.7	1.35	34.3	2.41	61.2	1.217	30.9	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

871A002 Swing-Arm Flex Clamp with Braid Sock, Composite

Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

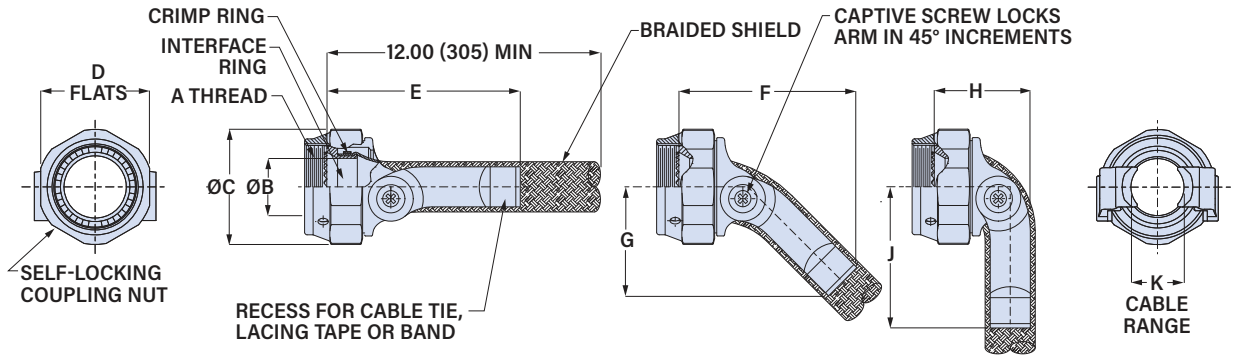
Shielded. Lightweight. Self-locking. Adjustable arms. 871A002 Swing-Arm Flex Clamp fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant high performance thermoplastic meets AS85049 requirements. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

TABLE 1
INTERFACE RING MATERIAL/ FINISH

Aluminum	
M	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

	871A002	BM	22	N	J	14
Base P/N	871A002					
Interface Ring Material/Finish	*See Table 1*					
Shell Size	08 10 12 14 16 18 20 22 24					
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L ArmorLite® Microfilament Nickel/SST Braid					
Splice Ring and Band	*Omit if not required* K Splice ring and standard band J Splice ring and slim standard band					
Braid Length	*Omit for standard 12 inch length* 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.					



Shell Size	A Thread Class 2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
08	0.500-20 UNF	.264	6.7	.812	20.6	.750	19.1	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
10	0.625-24 UNEF	.365	9.3	.938	23.8	.875	22.2	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12	0.750-20 UNEF	.498	12.6	1.125	28.6	1.000	25.4	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
14	0.875-20 UNEF	.575	14.6	1.250	31.8	1.125	28.6	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
16	1.000-20 UNEF	.700	17.8	1.375	34.9	1.250	31.8	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
18	1.0625-18 UNEF	.779	19.8	1.500	38.1	1.375	34.9	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
20	1.1875-18 UNEF	.904	23.0	1.625	41.3	1.500	38.1	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
22	1.3125-18 UNEF	1.029	26.1	1.750	44.5	1.625	41.3	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9
24	1.4375-18 UNEF	1.144	29.1	1.875	47.6	1.750	44.5	2.93	74.4	2.73	69.3	1.81	46.0	1.42	36.1	2.38	60.5	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

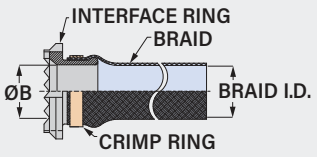
for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

871A002 Swing-Arm Flex Clamp with Braid Sock, Composite

MATERIAL/FINISH

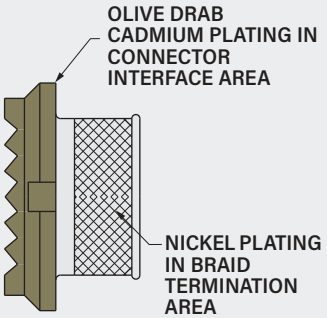
Coupling nut, body: polyetherimide (PEI)/ unplated, black
Flex arms: PEEK (PEI)/unplated, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling spring: thermoplastic
interface ring: brass or aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
08	.264	6.7	.375	9.5
10	.365	9.3	.375	9.5
12	.498	12.6	.500	12.7
14	.575	14.6	.500	12.7
16	.700	17.8	.781	19.8
18	.779	19.8	.781	19.8
20	.904	23.0	1.000	25.4
22	1.029	26.1	1.000	25.4
24	1.144	29.1	1.250	31.8

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND BAND (K AND J OPTIONS)

Splice Ring

Pre-Coiled Band

Optional split ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

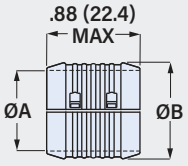
Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Precoiled Band Part Number Standard	Precoiled Band Part Number Slim Standard
All	601-041	601-573

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

Shell Size	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	687-207XB04	.25	6.4	.40	10.2
10	687-207XB06	.38	9.7	.53	13.5
12	687-207XB08	.50	12.7	.65	16.5
14	687-207XB10	.63	16.0	.78	19.8
16	687-207XB12	.75	19.1	.90	22.9
18	687-207XB14	.88	22.4	1.03	26.2
20	687-207XB16	1.00	25.4	1.15	29.2
22	687-207XB18	1.13	28.7	1.28	32.5
24	687-207XB20	1.25	31.8	1.40	35.6



687-207
SPLICE RING

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Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

871A003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

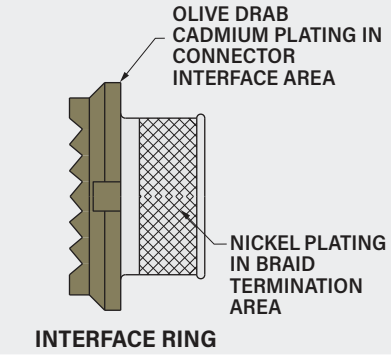
Self-Locking

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

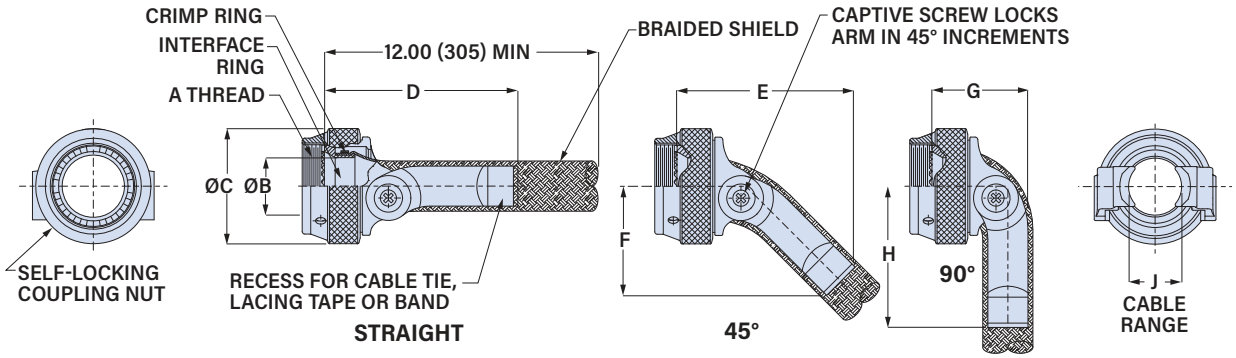
Shielded. Lightweight. Self-locking. Adjustable arms. 871A003 Swing-Arm Flex Clamp has aluminum coupling nut and body with thermoplastic flex arms. Fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

FIGURE 1
NF SELECTIVE FINISH



PART NUMBER

	871A003	BM	22	N	J	14
Base P/N	871A003					
Material/Finish	M Electroless Nickel NF O. D. Cadmium, Selective (Figure 1) MT Nickel-PTFE TZ Tin-Zinc ZR Black Zinc-Nickel					
Shell Size	08 10 12 14 16 18 20 22 24					
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L ArmorLite® Microfilament Nickel/SST Braid					
Splice Ring and Band	*Omit if not required* K Splice ring and standard band J Splice ring and slim standard band					
Braid Length	*Omit for standard 12 inch length* 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.					



Shell Size	A Thread Class 2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
08	0.500-20 UNF	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
10	0.625-24 UNEF	.365	9.3	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12	0.750-20 UNEF	.498	12.6	1.125	28.6	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
14	0.875-20 UNEF	.575	14.6	1.250	31.8	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
16	1.000-20 UNEF	.700	17.8	1.375	34.9	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
18	1.0625-18 UNEF	.779	19.8	1.500	38.1	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
20	1.1875-18 UNEF	.904	23.0	1.625	41.3	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
22	1.3125-18 UNEF	1.029	26.1	1.750	44.5	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9
24	1.4375-18 UNEF	1.144	29.1	1.875	47.6	2.93	74.4	2.73	69.3	1.81	46.0	1.42	36.1	2.38	60.5	1.323	33.6	.380	9.7

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REV 04.12.23

Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

871A003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

SPLICE RING AND BAND (K AND J OPTIONS)

Splice Ring

Pre-Coiled Band

Optional split ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

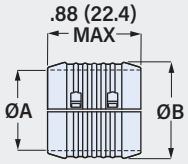
Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Precoiled Band Part Number Standard	Slim Standard
All	601-041	601-573

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

Shell Size	Splice Ring Part Number	øA ± .03 (0.8) in	øA mm	øB ± .03 (0.8) in	øB mm
08	687-207XB04	.25	6.4	.40	10.2
10	687-207XB06	.38	9.7	.53	13.5
12	687-207XB08	.50	12.7	.65	16.5
14	687-207XB10	.63	16.0	.78	19.8
16	687-207XB12	.75	19.1	.90	22.9
18	687-207XB14	.88	22.4	1.03	26.2
20	687-207XB16	1.00	25.4	1.15	29.2
22	687-207XB18	1.13	28.7	1.28	32.5
24	687-207XB20	1.25	31.8	1.40	35.6

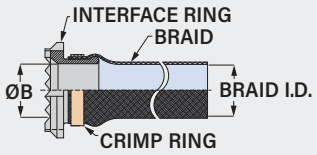


687-207
SPLICE RING

MATERIAL/FINISH

Coupling nut, body: aluminum
Flex arms: PEEK (PEI)/unplated, black
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
interface Ring: aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand***® ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
08	.264	6.7	.375	9.5
10	.365	9.3	.375	9.5
12	.498	12.6	.500	12.7
14	.575	14.6	.500	12.7
16	.700	17.8	.781	19.8
18	.779	19.8	.781	19.8
20	.904	23.0	1.000	25.4
22	1.029	26.1	1.000	25.4
24	1.144	29.1	1.250	31.8

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Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

871A004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870A004 Swing-Arm Flex Clamp fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Adjustable arms pivot to 0°, 45° or 90° positions. includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

FIGURE 1
FINISH CODES *NFS*, *BNS*

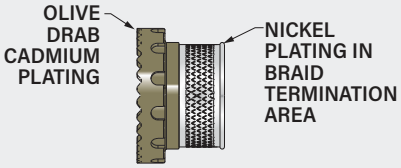
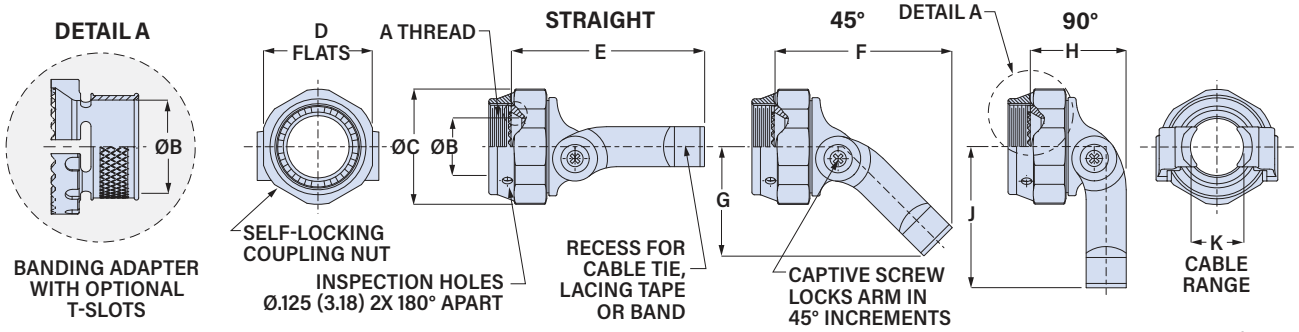


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

	871A004	M	22	S	K
Base P/N	871A004				
Banding Adapter Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc **BM** Brass/Electroless Nickel **BN** Brass/Olive Drab Cadmium **BNS** Brass/O.D. Cadmium, selective (fig. 1) **BMT** Brass/Nickel-PTFE				
Shell Size	**08 10 12 14 16 18 20 22 24**				
Banding Adapter Slots	*Omit if not required. See Figure 2* **S** "T" Slots in Banding Adapter for Shield Pigtails				
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp				



Shell Size	A Thread Class 2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	Max in	Max mm	Min in	Min mm
08	0.500-20 UNF	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.57	39.9	.87	22.1	.96	24.4	1.12	28.4	.393	10.0	.098	2.5
10	0.625-24 UNEF	.305	7.8	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	22.6	.96	24.4	1.15	29.2	.455	11.6	.121	3.1
12	0.750-20 UNEF	.404	10.3	1.125	28.6	1.000	25.4	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	0.875-20 UNEF	.565	14.4	1.250	31.8	1.125	28.6	2.08	52.8	1.88	47.8	1.16	29.5	1.32	33.5	1.50	38.1	.710	18.0	.210	5.3
16	1.000-20 UNEF	.658	16.7	1.375	34.9	1.250	31.8	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
18	1.0625-18 UNEF	.748	19.0	1.500	38.1	1.375	34.9	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.81	46.0	.934	23.7	.277	7.0
20	1.1875-18 UNEF	.877	22.3	1.625	41.3	1.500	38.1	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
22	1.3125-18 UNEF	.999	25.4	1.750	44.5	1.625	41.3	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9
24	1.4375-18 UNEF	1.127	28.6	1.875	47.6	1.750	44.5	2.96	75.2	2.75	69.9	1.84	46.7	1.46	37.1	2.41	61.2	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

871A004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

MATERIAL/FINISH

Coupling nut, body, arms: thermoplastic, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
interface ring: aluminum alloy or brass
Band (optional): stainless steel/ passivated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 28	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

871A005 Swing-Arm Flex Clamp, EMI Banding Adapter, Aluminum

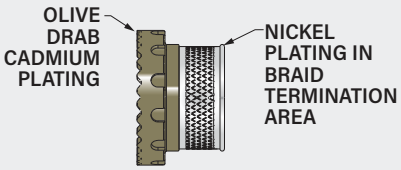
Self-Locking

Shielded, self-locking, adjustable arms. 871A005 Swing-Arm Flex Clamp has aluminum coupling nut and body with high strength thermoplastic flex arms. Fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code A

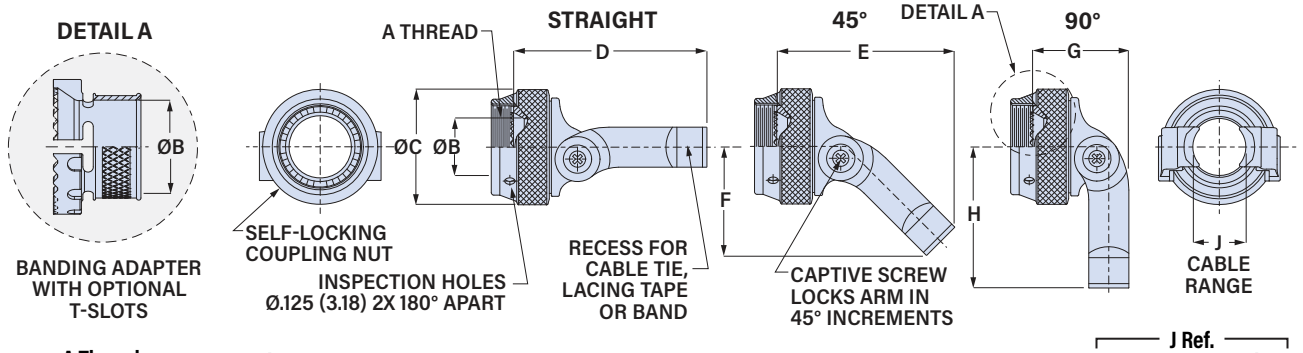
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III

FIGURE 1
FINISH CODE *NFS*



PART NUMBER

	871A005	M	22	S	K
Base P/N	871A005				
Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc				
Shell Size	**08 10 12 14 16 18 20 22 24**				
Banding Adapter Slots	*Omit if not required. See Detail A.* **S** "T" Slots in Banding Adapter for Shield Pigtails				
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp				



Shell Size	A Thread Class 2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
08	0.500-20 UNF	.178	4.5	.812	20.6	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
10	0.625-24 UNEF	.305	7.8	.938	23.8	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
12	0.750-20 UNEF	.404	10.3	1.125	28.6	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	0.875-20 UNEF	.565	14.4	1.250	31.8	2.08	52.8	1.88	47.8	1.16	29.5	1.05	26.7	1.50	38.1	.710	18.0	.210	5.3
16	1.000-20 UNEF	.658	16.7	1.375	34.9	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
18	1.0625-18 UNEF	.748	19.0	1.500	38.1	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.74	44.2	.934	23.7	.277	7.0
20	1.1875-18 UNEF	.877	22.3	1.625	41.3	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
22	1.3125-18 UNEF	.999	25.4	1.750	44.5	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9
24	1.4375-18 UNEF	1.127	28.6	1.875	47.6	2.96	75.2	2.75	69.9	1.84	46.7	1.46	37.1	2.41	61.2	1.323	33.6	.380	9.7

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Pre-Coiled MicroBand
601-065

Pre-Coiled Slim MicroBand
601-603

MATERIAL/FINISH

Coupling nut, body, interface ring: aluminum
Flex arms: high-strength thermoplastic
Screws, washers, inserts: sst/passivated
Anti-decoupling springs: thermoplastic
Band (optional): stainless steel/ passivated

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Dimensions in Inches (millimeters) are subject to change without notice.
REV 04.12.23

Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

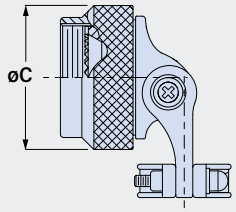
870F001 Swing-Arm Saddle Clamp

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

ALUMINUM AND SST VERSIONS



Aluminum and stainless steel versions have round knurled coupling nuts.

Self-locking, adjustable arms. 870F001 Swing-Arm saddle clamp fits MIL-DTL-38999 Series I and II connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threaded inserts to withstand high vibration. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Available in composite, aluminum or stainless steel.

PART NUMBER

	870F001	XB	22	B

Base P/N — 870F001

Material/Finish

Composite
- XB No Finish (Black)

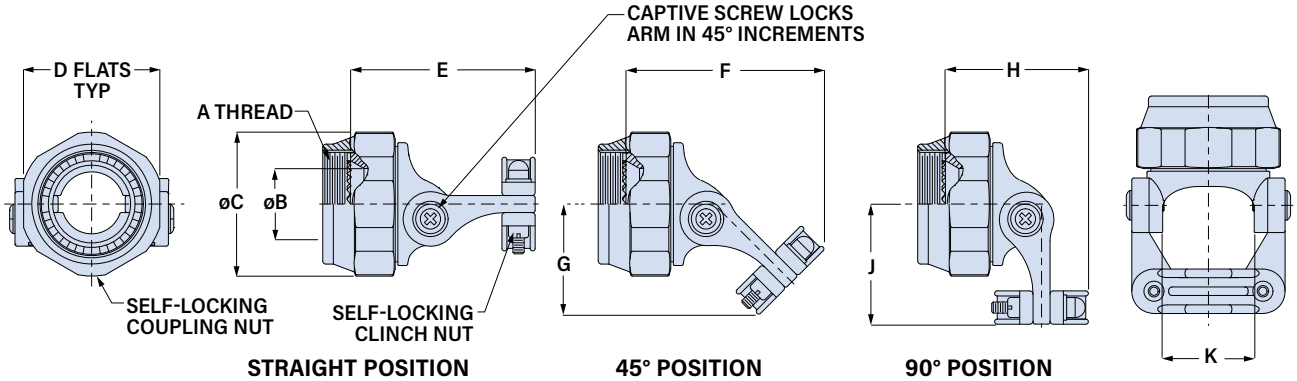
Aluminum
- M Electroless Nickel
- NF Olive Drab Cadmium
- MT Nickel-PTFR
- TZ Tin-Zinc
- ZR Black Zinc-Nickel

Stainless Steel
- Z1 Passivated

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Clamp Size
- A Standard Clamp
- B Large Clamp



Shell Size	A Thread UNEF-2B	øB Min in	øB Min mm	C Max in	C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
8/9	0.4375-28	.264	6.7	.812	20.6	.750	19.1	1.43	36.3	1.35	34.3	.78	19.8	.91	23.1	.87	22.1	.393	10.0
10/11	0.5625-24	.392	10.0	.938	23.8	.875	22.2	1.50	38.1	1.45	36.8	.87	22.1	.94	23.9	.96	24.4	.455	11.6
12/13	0.6875-24	.506	12.9	1.125	28.6	1.000	25.4	1.56	39.6	1.60	40.6	.97	24.6	1.12	28.4	1.03	26.2	.598	15.2
14/15	0.8125-20	.631	16.0	1.250	31.8	1.125	28.6	1.57	39.9	1.68	42.7	1.02	25.9	1.21	30.7	1.10	27.9	.710	18.0
16/17	0.9375-20	.756	19.2	1.375	34.9	1.250	31.8	1.66	42.2	1.78	45.2	1.09	27.7	1.29	32.8	1.16	29.5	.839	21.3
18/19	1.0625-18	.844	21.4	1.500	38.1	1.375	34.9	1.66	42.2	1.86	47.2	1.14	29.0	1.39	35.3	1.22	31.0	.934	23.7
20/21	1.1875-18	.970	24.6	1.625	41.3	1.500	38.1	1.81	46.0	2.02	51.3	1.24	31.5	1.50	38.1	1.29	32.8	1.068	27.1
22/23	1.3125-18	1.094	27.8	1.750	44.5	1.625	41.3	1.84	46.7	2.09	53.1	1.30	33.0	1.57	39.9	1.36	34.5	1.197	30.4
24/25	1.4375-18	1.219	31.0	1.875	47.6	1.750	44.5	2.00	50.8	2.20	55.9	1.45	36.8	1.64	41.7	1.55	39.4	1.323	33.6

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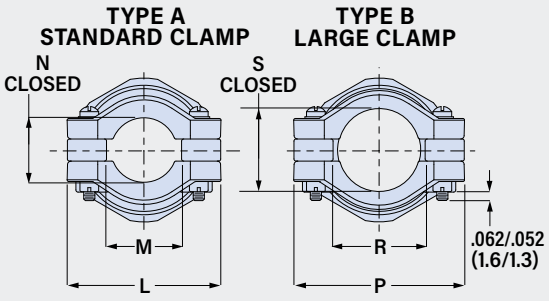
Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F001 Swing-Arm Saddle Clamp

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Shell Size	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	08	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.44	36.6	.55	14.0	.590	15.0	16	1.60	40.6	.80	20.3	.759	19.3
18	1.56	39.6	.62	15.7	.660	16.8	18	1.73	43.9	.90	22.9	.841	21.4
20	1.69	42.9	.70	17.8	.744	18.9	20	1.95	49.5	1.05	26.7	.996	25.3
22	1.77	45.0	.78	19.8	.826	21.0	22	2.08	52.8	1.18	30.0	1.060	26.9
24	1.89	48.0	.85	21.6	.896	22.8	24	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Composite *(Code XB)*
- **Coupling nut, body, arms, saddles:** polyetherimide (PEI), unplated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** stainless steel, silver plated

Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated.
  Code NF: stainless steel/ olive drab cadmium

Stainless Steel *(Code Z1)*
- **Coupling nut, body, arms, saddles:** SST
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** stainless steel
- **Clinch Nuts:** stainless steel, silver plated

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F002 Swing-Arm Saddle Clamp, Braid Sock, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870F002 composite Swing-Arm saddle clamp fits MIL-DTL-38999 Series I and II connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant glass-reinforced thermoplastic meets AS85049 requirements. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

TABLE 1
INTERFACE RING MATERIAL / FINISH

Aluminum	
M	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

	870F002	BM	22	A	N	J	14

Base P/N — 870F002

Interface Ring Material/Finish — *See Table 1*

Shell Size

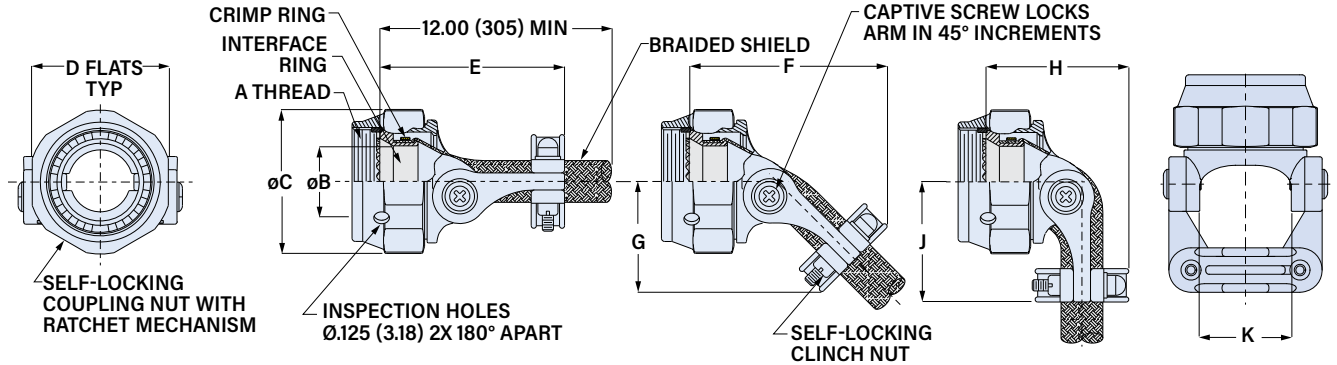
	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Clamp Size — *See Clamp Dimensions on next page*
- A — Standard Clamp
- B — Large Clamp

Braid Type
- N — 34 AWG Nickel/Copper Braid
- T — 34 AWG Tin/Copper Braid
- A — AmberStrand® Nickel/Composite Braid
- L — Microfilament ArmorLite® Nickel/SST Braid

Splice Ring and Band — *Omit if not required*
- K — Splice ring and standard band
- J — Splice ring and slim standard band

Braid Length — *Omit for standard 12 inch length*
- 14 — Length in 1 inch increments, 6 inch min "14" = 14 inches.



Shell Size	A Thread UNEF-2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
8/9	0.4375-28	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10/11	0.5625-24	.392	10.0	.938	23.8	.875	22.2	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12/13	0.6875-24	.506	12.9	1.125	28.6	1.000	25.4	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14/15	0.8125-20	.631	16.0	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16/17	0.9375-20	.756	19.2	1.375	34.9	1.250	31.8	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
18/19	1.0625-18	.844	21.4	1.500	38.1	1.375	34.9	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
20/21	1.1875-18	.970	24.6	1.625	41.3	1.500	38.1	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
22/23	1.3125-18	1.094	27.8	1.750	44.5	1.625	41.3	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4
24/25	1.4375-18	1.219	31.0	1.875	47.6	1.750	44.5	1.94	49.3	2.23	56.6	1.33	33.8	1.70	43.2	1.40	35.6	1.323	33.6

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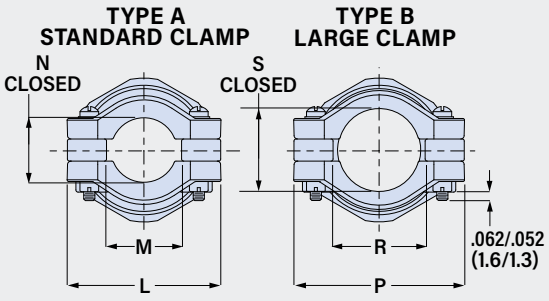
Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F002 Swing-Arm Saddle Clamp, Braid Sock, Composite

CLAMP DIMENSIONS

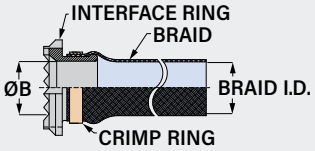


Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
16	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
18	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
20	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
22	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9
24	1.89	48.0	.85	21.6	.896	22.8	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

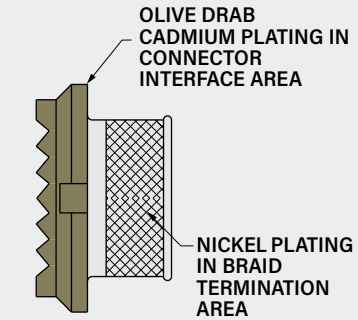
Coupling nut, body, arms, saddles: polyetherimide (PEI)/unplated
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
interface Ring: brass or aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Clinch Nuts: stainless steel/silver
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: *AmberStrand*® ultralightweight nickel-coated polymer
Code L: *ArmorLite*® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
08	.264	6.7	.375	9.5
10	.392	10.0	.375	9.5
12	.506	12.9	.500	12.7
14	.631	16.0	.500	12.7
16	.756	19.2	.781	19.8
18	.844	21.4	.781	19.8
20	.970	24.6	1.000	25.4
22	1.094	27.8	1.000	25.4
24	1.219	31.0	1.250	31.8

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

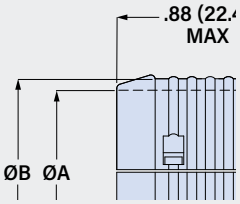
Splice Ring

Band

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
14	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
16	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
18	601-041	601-571	687-207XB14	.88	22.4	1.03	26.2
20	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
22	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5
24	601-041	601-573	687-207XB20	1.25	31.8	1.40	35.6



Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

Self-Locking

Shielded, self-locking, adjustable arms. 870F003 stainless steel or aluminum Swing-Arm saddle clamp fits MIL-DTL-38999 Series I and II connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
NF	Olive drab cadmium, selective (fig. 1)
MT	Nickel-PTFE
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

PART NUMBER

	870F003	M	12	B	L	K	14

Base P/N — **870F003**

Material/Finish — *See Table 1*

Shell Size

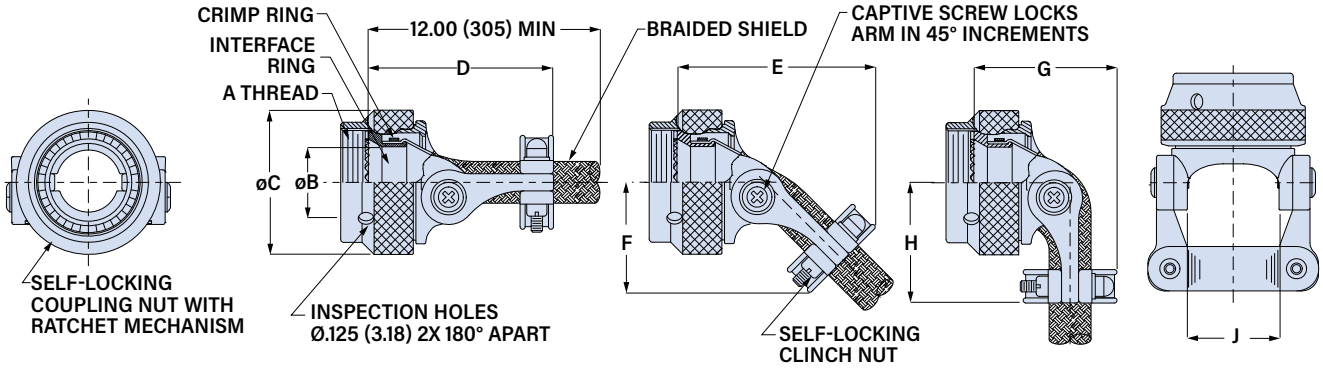
	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	**08**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**

Clamp Size — *See Clamp Dimensions on next page*
- **A** Standard Clamp
- **B** Large Clamp

Braid Type
- **N** 34 AWG Nickel/Copper Braid
- **T** 34 AWG Tin/Copper Braid
- **A** AmberStrand® Nickel/Composite Braid
- **L** Microfilament ArmorLite® Nickel/SST Braid

Splice Ring and Band — *Omit if not required. See "Splice Ring and Band" on next page.*
- **K** Splice ring and standard band
- **J** Splice ring and slim standard band

Braid Length — *Omit for standard 12 inch length*
- **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.



Shell Size	A Thread UNEF-2B	ø B Min		ø C Max		D Max		E Max		F Max		G Max		H Max		J Ref.	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
8/9	0.4375-28	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10/11	0.5625-24	.392	10.0	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12/13	0.6875-24	.506	12.9	1.125	28.6	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14/15	0.8125-20	.631	16.0	1.250	31.8	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16/17	0.9375-20	.756	19.2	1.375	34.9	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
18/19	1.0625-18	.844	21.4	1.500	38.1	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
20/21	1.1875-18	.970	24.6	1.625	41.3	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
22/23	1.3125-18	1.094	27.8	1.750	44.5	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4
24/25	1.4375-18	1.219	31.0	1.875	47.6	1.94	49.3	2.23	56.6	1.33	33.8	1.70	43.2	1.40	35.6	1.323	33.6

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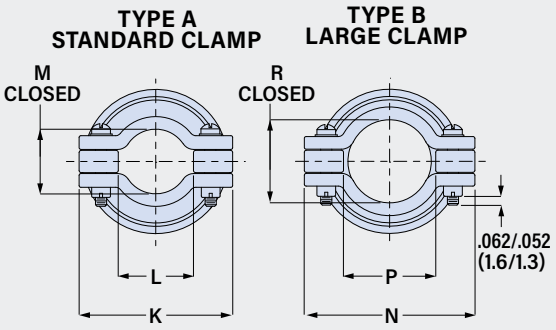
Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

CLAMP DIMENSIONS



Shell Size	Standard Clamp K Max in	K Max mm	L Min in	L Min mm	M Ref. in	M Ref. mm	Large Clamp N Max in	N Max mm	P Min in	P Min mm	R Ref. in	R Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
16	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
18	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
20	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
22	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9
24	1.89	48.0	.85	21.6	.896	22.8	2.32	58.9	1.30	33.0	1.124	28.5

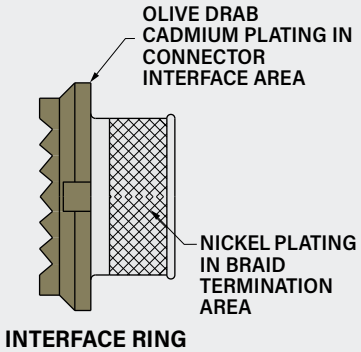
MATERIAL/FINISH

Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles, interface ring:** aluminum
- **Crimp Ring:** copper alloy/ tin plated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling spring:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF: stainless steel/ olive drab cadmium

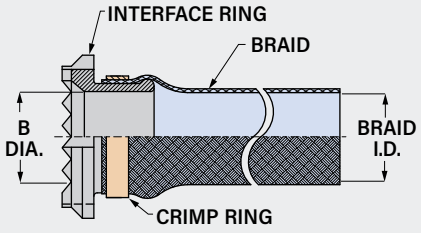
Stainless Steel *(Codes BM, BMT, Z1, ZM)*
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Crimp Ring:** copper alloy/ tin plated
- **Clinch nuts:** stainless steel, silver plated
- **interface ring:** brass (codes BM, BMT) or stainless steel (Z1, ZM)

Braid:
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand***® ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

FIGURE 1
NF SELECTIVE FINISH



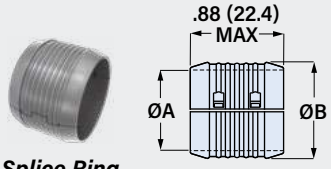
INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
08	.264	6.7	.375	9.5
10	.392	10.0	.375	9.5
12	.506	12.9	.500	12.7
14	.631	16.0	.500	12.7
16	.756	19.2	.781	19.8
18	.844	21.4	.781	19.8
20	.970	24.6	1.000	25.4
22	1.094	27.8	1.000	25.4
24	1.219	31.0	1.250	31.8

SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. Install band around splice ring and braid using Band-Master ATS banding tool. ***Slim Standard Band*** is 50% lighter weight than standard band with no reduction in strength.



Splice Ring

687-207
SPLICE RING

Band

Standard Band Tool
601-100

Slim Standard Band Tool
601-109

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Split Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
14	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
16	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
18	601-041	601-572	687-207XB14	.88	22.4	1.03	26.2
20	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
22	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5
24	601-041	601-573	687-207XB20	1.25	31.8	1.40	35.6

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870F004 Swing-Arm saddle clamp fits MIL-DTL-38999 Series I and II connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

FIGURE 1
FINISH CODES *NFS*, *BNS*

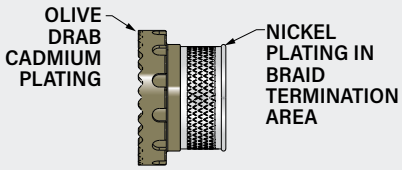


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

	870F004	M	22	A	S	K

Base P/N — 870F004

Banding Adapter Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Olive Drab Cadmium
NFS	Alum/O.D. Cadmium, selective (fig. 1)
MT	Alum/Nickel-PTFE
TZ	Alum/Tin-Zinc
BM	Brass/Electroless Nickel
BN	Brass/Olive Drab Cadmium
BNS	Brass/O.D. Cadmium, selective (fig. 1)
BMT	Brass/Nickel-PTFE

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Clamp Size

A	Standard Clamp
B	Large Clamp

Banding Adapter Slots

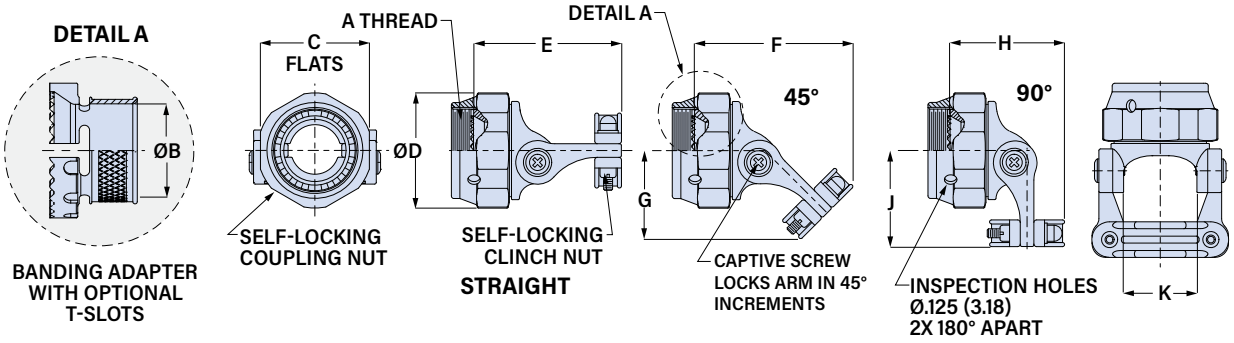
Omit if not required. See Figure 2.

S	"T" Slots in Banding Adapter for Shield Pigtails

Band

Omit if not required.

K	Pre-Coiled Micro Band included With Clamp
J	Pre-Coiled Slim Micro Band included With Clamp



Shell Size	A Thread UNEF-2B	ø B Min in	ø B Min mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
8/9	0.4375-28	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
10/11	0.5625-24	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
12/13	0.6875-24	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67	42.4	.93	23.6	1.17	29.7	1.03	26.2	.598	15.2
14/15	0.8125-20	.526	13.4	1.125	28.6	1.250	31.8	1.67	42.4	1.76	44.7	1.00	25.4	1.28	32.5	1.10	27.9	.710	18.0
16/17	0.9375-20	.631	16.0	1.250	31.8	1.375	34.9	1.77	45.0	1.89	48.0	1.09	27.7	1.40	35.6	1.16	29.5	.839	21.3
18/19	1.0625-18	.748	19.0	1.375	34.9	1.500	38.1	1.77	45.0	1.96	49.8	1.14	29.0	1.50	38.1	1.22	31.0	.934	23.7
20/21	1.1875-18	.877	22.3	1.500	38.1	1.625	41.3	1.92	48.8	2.11	53.6	1.22	31.0	1.57	39.9	1.29	32.8	1.068	27.1
22/23	1.3125-18	.999	25.4	1.625	41.3	1.750	44.5	1.95	49.5	2.18	55.4	1.28	32.5	1.67	42.4	1.36	34.5	1.197	30.4
24/25	1.4375-18	1.127	28.6	1.750	44.5	1.875	47.6	1.98	50.3	2.25	57.2	1.34	34.0	1.73	43.9	1.43	36.3	1.323	33.6

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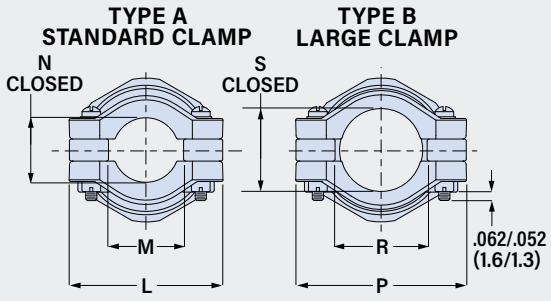
Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Shell Size	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.97	24.6	.22	5.6	.264	6.7	08	.98	24.9	.33	8.4	.356	9.0
10	1.03	26.2	.29	7.4	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.21	30.7	.34	8.6	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.32	33.5	.45	11.4	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.45	36.8	.55	14.0	.590	15.0	16	1.60	40.6	.80	20.3	.759	19.3
18	1.54	39.1	.65	16.5	.660	16.8	18	1.73	43.9	.90	22.9	.841	21.4
20	1.67	42.4	.74	18.8	.744	18.9	20	1.95	49.5	1.05	26.7	.996	25.3
22	1.79	45.5	.87	22.1	.826	21.0	22	2.08	52.8	1.18	30.0	1.060	26.9
24	1.92	48.8	.99	25.1	.896	22.8	24	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Coupling nut, body, arms, saddles: polyetherimide (PEI)/ unplated black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Banding adapter: aluminum alloy or brass
Band (optional): stainless steel/ passivated
Clinch Nuts: stainless steel/ silver plated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 24	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

Self-Locking

Shielded, self-locking, adjustable arms. 870F005 aluminum or stainless steel Swing-Arm saddle clamp fits MIL-DTL-38999 Series I and II connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
MT	Nickel-PTFE
NF	Olive drab cadmium
NFS	Olive drab cadmium, selective (fig. 1)
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

PART NUMBER

	870F005	M	22	A	S	K

Base P/N — **870F005**

Material/Finish — *See Table 1*

Shell Size

38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Clamp Size
- **A** Standard Clamp
- **B** Large Clamp

Banding Adapter Slots — *Omit if not required. See Figure 2.*
- **S** "T" Slots in Banding Adapter for Shield Pigtails

Band — *Omit if not required.*
- **K** Pre-Coiled Micro Band included With Clamp
- **J** Pre-Coiled Slim Micro Band included With Clamp

FIGURE 1
MATERIAL/ FINISH CODE *NFS*

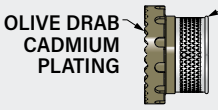
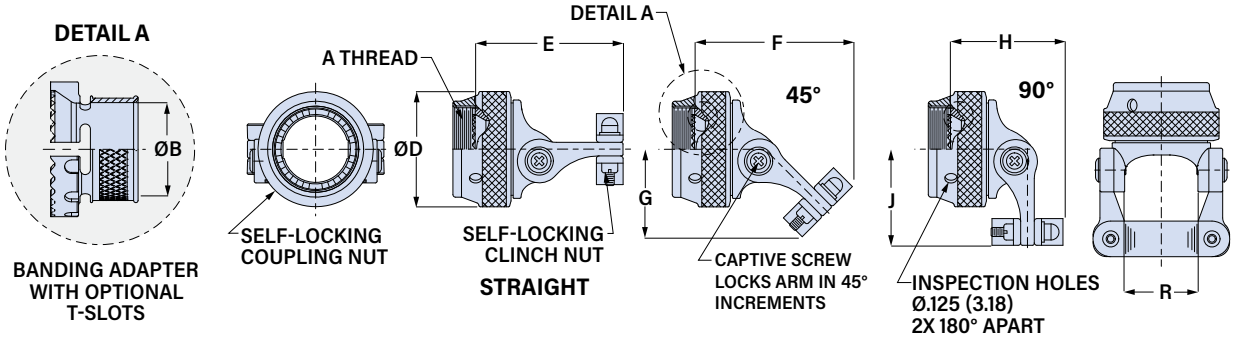


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.



Shell Size	A Thread UNEF-2B	ø B Min in	ø B Min mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	R Ref. in	R Ref. mm
8/9	0.4375-28	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
10/11	0.5625-24	.305	7.7	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
12/13	0.6875-24	.404	10.3	1.125	28.6	1.66	42.2	1.71	43.4	.97	24.6	1.22	31.0	1.03	26.2	.598	15.2
14/15	0.8125-20	.526	13.4	1.250	31.8	1.67	42.4	1.79	45.5	1.02	25.9	1.32	33.5	1.10	27.9	.710	18.0
16/17	0.9375-20	.631	16.0	1.375	34.9	1.77	45.0	1.88	47.8	1.08	27.4	1.38	35.1	1.16	29.5	.839	21.3
18/19	1.0625-18	.748	19.0	1.500	38.1	1.77	45.0	1.96	49.8	1.13	28.7	1.49	37.8	1.22	31.0	.934	23.7
20/21	1.1875-18	.877	22.3	1.625	41.3	1.92	48.8	2.13	54.1	1.24	31.5	1.61	40.9	1.29	32.8	1.068	27.1
22/23	1.3125-18	.999	25.4	1.750	44.5	1.95	49.5	2.20	55.9	1.30	33.0	1.68	42.7	1.36	34.5	1.197	30.4
24/25	1.4375-18	1.127	28.6	1.875	47.6	2.10	53.3	2.31	58.7	1.39	35.3	1.75	44.5	1.55	39.4	1.323	33.6

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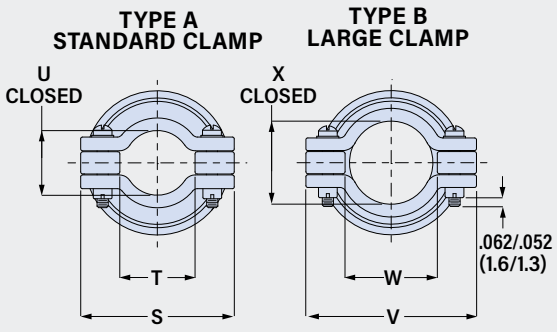
870F005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	S Max in	S Max mm	T Min in	T Min mm	U Ref. in	U Ref. mm	Shell Size	V Max in	V Max mm	W Min in	W Min mm	X Ref. in	X Ref. mm
08	.97	24.6	.22	5.6	.264	6.7	08	.98	24.9	.33	8.4	.356	9.0
10	1.03	26.2	.29	7.4	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.21	30.7	.34	8.6	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.32	33.5	.45	11.4	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.45	36.8	.55	14.0	.590	15.0	16	1.60	40.6	.80	20.3	.759	19.3
18	1.54	39.1	.65	16.5	.660	16.8	18	1.73	43.9	.90	22.9	.841	21.4
20	1.67	42.4	.74	18.8	.744	18.9	20	1.95	49.5	1.05	26.7	.996	25.3
22	1.79	45.5	.87	22.1	.826	21.0	22	2.08	52.8	1.18	30.0	1.060	26.9
24	1.92	48.8	.99	25.1	.896	22.8	24	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Aluminum *(Codes M, MT, NF, NFS TZ, ZR)*
- **Coupling nut, body, arms, saddles:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF, NFS: stainless steel/ olive drab cadmium
- **Banding adapter:** aluminum
- **Band (optional):** stainless steel/ passivated

Stainless Steel *(Codes BM, BMT, Z1, ZM)*
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Clinch nuts:** stainless steel, silver plated
- **Banding adapter:**
  - Code BM: brass/ electroless nickel
  - Code BMT: brass/ nickel-PTFE
  - Code Z1: stainless steel/ passivated
  - Code ZM: stainless steel/ electroless nickel
- **Band (optional):** stainless steel/ passivated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 24	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

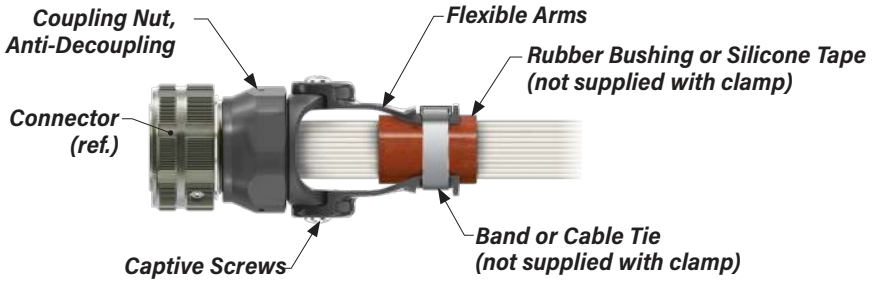
871F001 Swing-Arm Flex Clamp

Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Lightweight, self-locking, flexible arms. 871F001 Swing-Arm Flex Clamp fits MIL-DTL-38999 Series I and II connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Use banding strap or cable tie to secure arms to wire bundle. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Clamp and coupling nut are composite or aluminum, flex arms are PEEK. Passivated SST hardware.



MATERIAL/FINISH

Body, coupling nut :
Code XB: polyetherimide, black
Codes M, MT, NF, TZ, ZR: aluminum alloy
Arms: PEEK, black
Hardware: stainless steel
Anti-decoupling spring: thermoplastic

PART NUMBER

	871F001	XB	12

Base P/N — 871F001

Material/Finish

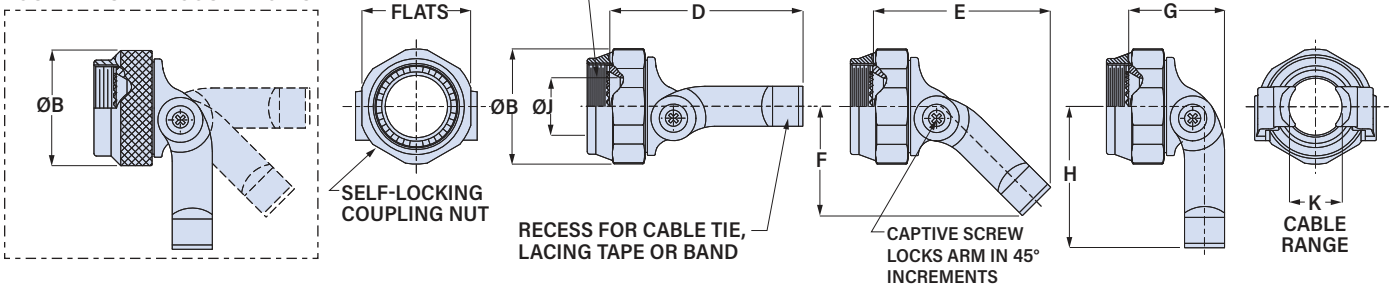
Composite
XB No Finish (Black)
Aluminum
M Electroless Nickel
NF Olive Drab Cadmium
MT Nickel-PTFR
TZ Tin-Zinc
ZR Black Zinc-Nickel

Material/Finish Code applies to coupling nut and clamp body. Flex arms are black thermoplastic.

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

ALUMINUM ALLOY CONFIG.
ROUND KNURLED COUPLING NUT



Shell Size	A Thread UNEF-2B	øB Max in	øB Max mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Min in	J Min mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
8/9	0.4375-28	.812	20.6	.750	19.1	1.69	42.9	1.46	37.1	.87	22.1	.85	21.6	1.12	28.4	.264	6.7	.393	10.0	.098	2.5
10/11	0.5625-24	.938	23.8	.875	22.2	1.69	42.9	1.46	37.1	.89	22.6	.85	21.6	1.15	29.2	.390	9.9	.455	11.6	.121	3.1
12/13	0.6875-24	1.125	28.6	1.000	25.4	1.97	50.0	1.77	45.0	1.10	27.9	.94	23.9	1.44	36.6	.504	12.8	.598	15.2	.157	4.0
14/15	0.8125-20	1.250	31.8	1.125	28.6	1.97	50.0	1.77	45.0	1.32	33.5	.94	23.9	1.50	38.1	.630	16.0	.710	18.0	.210	5.3
16/17	0.9375-20	1.375	34.9	1.250	31.8	2.18	55.4	2.02	51.3	1.28	32.5	1.10	27.9	1.68	42.7	.756	19.2	.839	21.3	.246	6.2
18/19	1.0625-18	1.500	38.1	1.375	34.9	2.18	55.4	2.02	51.3	1.35	34.3	1.10	27.9	1.74	44.2	.843	21.4	.934	23.7	.277	7.0
20/21	1.1875-18	1.625	41.3	1.500	38.1	2.64	67.1	2.43	61.7	1.63	41.4	1.26	32.0	2.12	53.8	.969	24.6	1.068	27.1	.313	8.0
22/23	1.3125-18	1.750	44.5	1.625	41.3	2.64	67.1	2.43	61.7	1.67	42.4	1.26	32.0	2.16	54.9	1.091	27.7	1.197	30.4	.349	8.9
24/25	1.4375-18	1.875	47.6	1.750	44.5	2.85	72.4	2.65	67.3	1.84	46.7	1.35	34.3	2.41	61.2	1.217	30.9	1.323	33.6	.380	9.7

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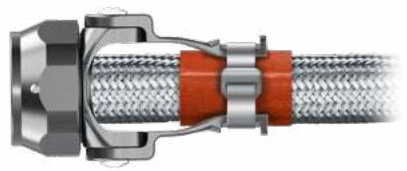
Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

871F002 Swing-Arm Flex Clamp with Braid Sock, Composite

Self-Locking



Flex clamp with braid sock
(Bushing and band not included)

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Shielded. Lightweight. Self-locking. Adjustable arms. 871F002 Swing-Arm Flex Clamp fits MIL-DTL-38999 Series I and II connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant high performance thermoplastic meets AS85049 requirements. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

TABLE 1
INTERFACE RING MATERIAL/ FINISH

Aluminum	
M	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

871F002	BM	22	N	J	14

Base P/N — 871F002

Interface Ring Material/Finish — *See Table 1*

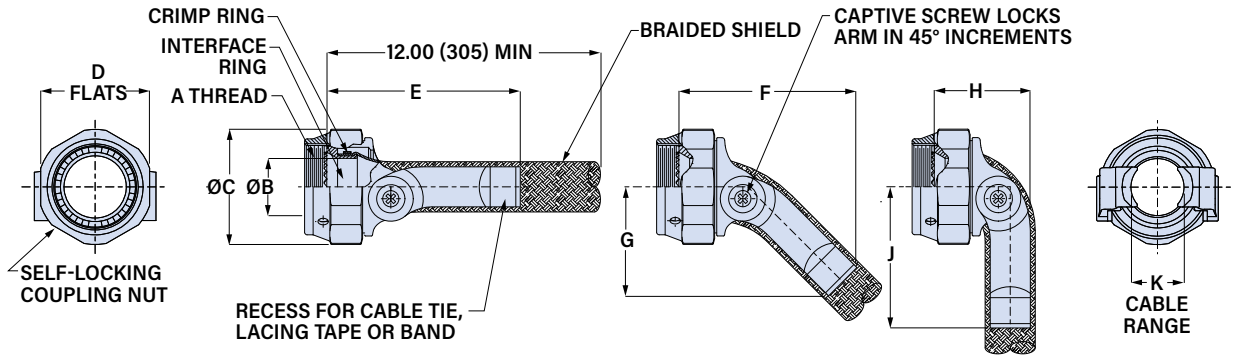
Shell Size

38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Braid Type
- N 34 AWG Nickel/Copper Braid
- T 34 AWG Tin/Copper Braid
- A AmberStrand® Nickel/Composite Braid
- L ArmorLite® Microfilament Nickel/SST Braid

Splice Ring and Band
Omit if not required
- K Splice ring and standard band
- J Splice ring and slim standard band

Braid Length
Omit for standard 12 inch length
- 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.



Shell Size	A Thread UNEF-2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
8/9	0.4375-28	.264	6.7	.812	20.6	.750	19.1	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
10/11	0.5625-24	.392	10.0	.938	23.8	.875	22.2	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12/13	0.6875-24	.506	12.9	1.125	28.6	1.000	25.4	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
14/15	0.8125-20	.631	16.0	1.250	31.8	1.125	28.6	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
16/17	0.9375-20	.756	19.2	1.375	34.9	1.250	31.8	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
18/19	1.0625-18	.844	21.4	1.500	38.1	1.375	34.9	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
20/21	1.1875-18	.970	24.6	1.625	41.3	1.500	38.1	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
22/23	1.3125-18	1.094	27.8	1.750	44.5	1.625	41.3	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9
24/25	1.4375-18	1.219	31.0	1.875	47.6	1.750	44.5	2.93	74.4	2.73	69.3	1.81	46.0	1.42	36.1	2.38	60.5	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

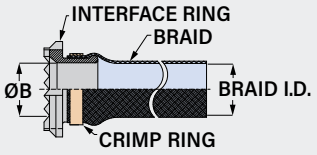
for MIL-DTL-38999 Series I and II Connectors

871F002 Swing-Arm Flex Clamp with Braid Sock, Composite

MATERIAL/FINISH

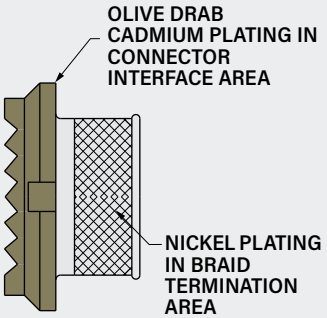
Coupling nut, body: polyetherimide (PEI)/ unplated, black
Flex arms: PEEK (PEI)/unplated, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling spring: thermoplastic
interface Ring: brass or aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
08	.264	6.7	.375	9.5
10	.392	10.0	.375	9.5
12	.506	12.9	.500	12.7
14	.631	16.0	.500	12.7
16	.756	19.2	.781	19.8
18	.844	21.4	.781	19.8
20	.970	24.6	1.000	25.4
22	1.094	27.8	1.000	25.4
24	1.219	31.0	1.250	31.8

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND BAND (K AND J OPTIONS)

Splice Ring

Pre-Coiled Band

Optional split ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

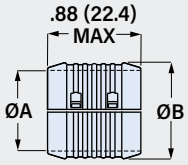
Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Precoiled Band Part Number Standard	Precoiled Band Part Number Slim Standard
All	601-041	601-573

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

Shell Size	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	687-207XB04	.25	6.4	.40	10.2
10	687-207XB06	.38	9.7	.53	13.5
12	687-207XB08	.50	12.7	.65	16.5
14	687-207XB10	.63	16.0	.78	19.8
16	687-207XB12	.75	19.1	.90	22.9
18	687-207XB14	.88	22.4	1.03	26.2
20	687-207XB16	1.00	25.4	1.15	29.2
22	687-207XB18	1.13	28.7	1.28	32.5
24	687-207XB20	1.25	31.8	1.40	35.6



687-207
SPLICE RING

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

871F003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

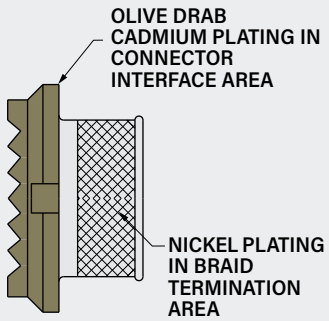
Self-Locking

Shielded. Lightweight. Self-locking. Adjustable arms. 871F003 Swing-Arm Flex Clamp has aluminum coupling nut and body with thermoplastic flex arms. Fits MIL-DTL-38999 Series I and II connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

FIGURE 1
NF SELECTIVE FINISH



INTERFACE RING

PART NUMBER

	871F003	M	22	N	J	14

Base P/N — 871F003

Material/Finish
- **M** Electroless Nickel
- **NF** O. D. Cadmium, Selective (Figure 1)
- **MT** Nickel-PTFE
- **TZ** Tin-Zinc
- **ZR** Black Zinc-Nickel

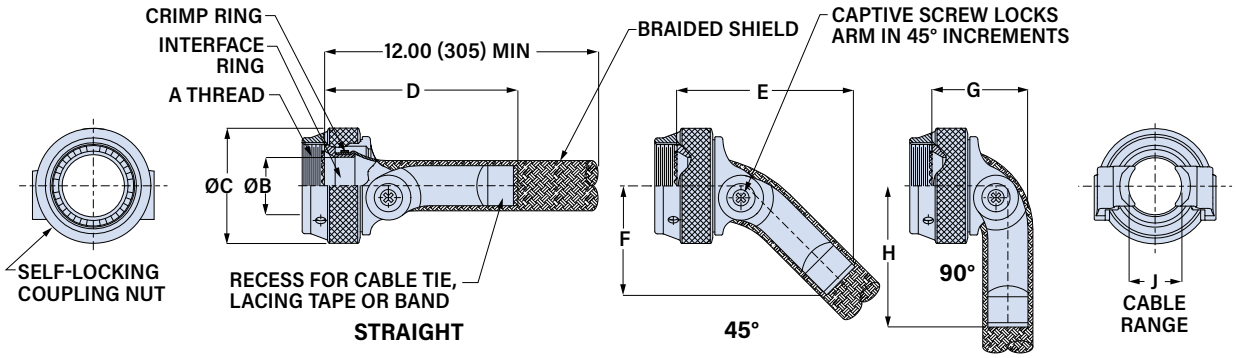
Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Braid Type
- **N** 34 AWG Nickel/Copper Braid
- **T** 34 AWG Tin/Copper Braid
- **A** AmberStrand® Nickel/Composite Braid
- **L** ArmorLite® Microfilament Nickel/SST Braid

Splice Ring and Band
Omit if not required
- **K** Splice ring and standard band
- **J** Splice ring and slim standard band

Braid Length
Omit for standard 12 inch length
- **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.



Shell Size	A Thread UNEF-2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
8/9	0.4375-28	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
10/11	0.5625-24	.392	10.0	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12/13	0.6875-24	.506	12.9	1.125	28.6	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
14/15	0.8125-20	.631	16.0	1.250	31.8	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
16/17	0.9375-20	.756	19.2	1.375	34.9	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
18/19	1.0625-18	.844	21.4	1.500	38.1	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
20/21	1.1875-18	.970	24.6	1.625	41.3	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
22/23	1.3125-18	1.094	27.8	1.750	44.5	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9
24/25	1.4375-18	1.219	31.0	1.875	47.6	2.93	74.4	2.73	69.3	1.81	46.0	1.42	36.1	2.38	60.5	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

871F003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

SPLICE RING AND BAND (K AND J OPTIONS)

Splice Ring

Pre-Coiled Band

Optional split ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

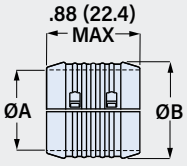
Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Precoiled Band Part Number Standard	Slim Standard
All	601-041	601-573

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

Shell Size	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	687-207XB04	.25	6.4	.40	10.2
10	687-207XB06	.38	9.7	.53	13.5
12	687-207XB08	.50	12.7	.65	16.5
14	687-207XB10	.63	16.0	.78	19.8
16	687-207XB12	.75	19.1	.90	22.9
18	687-207XB14	.88	22.4	1.03	26.2
20	687-207XB16	1.00	25.4	1.15	29.2
22	687-207XB18	1.13	28.7	1.28	32.5
24	687-207XB20	1.25	31.8	1.40	35.6

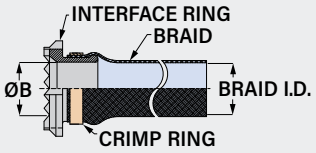


687-207
SPLICE RING

MATERIAL/FINISH

Coupling nut, body: aluminum
Flex arms: PEEK (PEI)/unplated, black
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
interface ring: aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand®*** ultralightweight nickel-coated polymer
Code L: ***ArmorLite®*** lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
08	.264	6.7	.375	9.5
10	.392	10.0	.375	9.5
12	.506	12.9	.500	12.7
14	.631	16.0	.500	12.7
16	.756	19.2	.781	19.8
18	.844	21.4	.781	19.8
20	.970	24.6	1.000	25.4
22	1.094	27.8	1.000	25.4
24	1.219	31.0	1.250	31.8

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

871F004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870F004 Swing-Arm Flex Clamp fits MIL-DTL-38999 Series I and II connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

FIGURE 1
FINISH CODES *NFS*, *BNS*

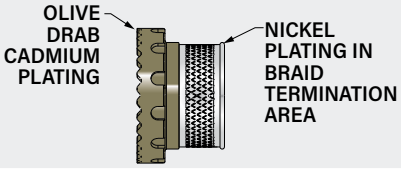


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

	871F004	M	22	S	K

Base P/N — 871F004

Banding Adapter Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Olive Drab Cadmium
NFS	Alum/O.D. Cadmium, selective (fig. 1)
MT	Alum/Nickel-PTFE
TZ	Alum/Tin-Zinc
BM	Brass/Electroless Nickel
BN	Brass/Olive Drab Cadmium
BNS	Brass/O.D. Cadmium, selective (fig. 1)
BMT	Brass/Nickel-PTFE

Shell Size

Shell Size									
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Banding Adapter Slots

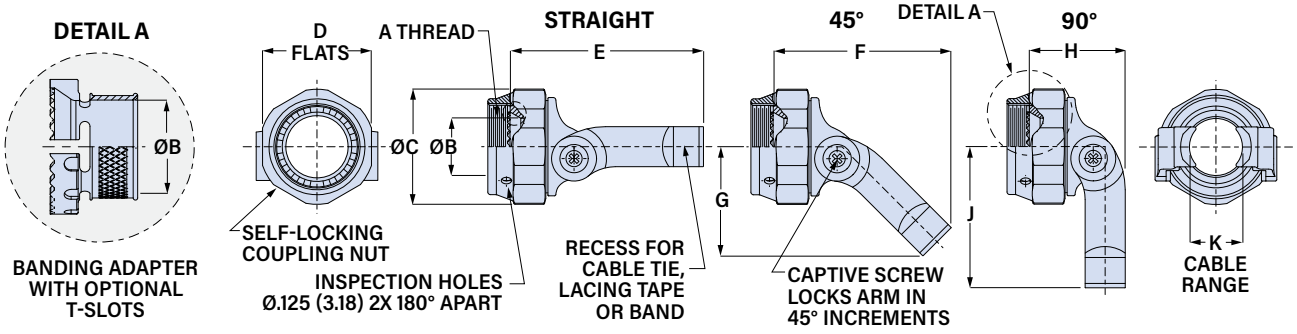
Omit if not required. See Figure 2

S	"T" Slots in Banding Adapter for Shield Pigtails

Band

Omit if not required.

K	Pre-Coiled Micro Band included With Clamp
J	Pre-Coiled Slim Micro Band included With Clamp



Shell Size	A Thread UNEF-2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
8/9	0.4375-28	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.57	39.9	.87	22.1	.96	24.4	1.12	28.4	.393	10.0	.098	2.5
10/11	0.5625-24	.305	7.7	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	22.6	.96	24.4	1.15	29.2	.455	11.6	.121	3.1
12/13	0.6875-24	.404	10.3	1.125	28.6	1.000	25.4	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14/15	0.8125-20	.526	13.4	1.250	31.8	1.125	28.6	2.08	52.8	1.88	47.8	1.16	29.5	1.32	33.5	1.50	38.1	.710	18.0	.210	5.3
16/17	0.9375-20	.631	16.0	1.375	34.9	1.250	31.8	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
18/19	1.0625-18	.748	19.0	1.500	38.1	1.375	34.9	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.81	46.0	.934	23.7	.277	7.0
20/21	1.1875-18	.877	22.3	1.625	41.3	1.500	38.1	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
22/23	1.3125-18	.999	25.4	1.750	44.5	1.625	41.3	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9
24/25	1.4375-18	1.127	28.6	1.875	47.6	1.750	44.5	2.96	75.2	2.75	69.9	1.84	46.7	1.46	37.1	2.41	61.2	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

871F004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

MATERIAL /FINISH

Coupling nut, body, arms: thermoplastic, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Banding adapter: aluminum alloy or brass
Band (optional): stainless steel/ passivated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 24	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

871F005 Swing-Arm Flex Clamp, EMI Banding Adapter, Aluminum

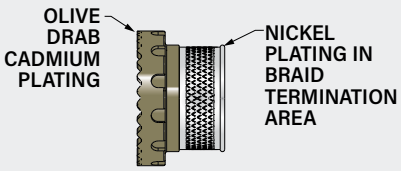
Self-Locking

Adapter Code F

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

Shielded, self-locking, adjustable arms. 871F005 Swing-Arm Flex Clamp has aluminum coupling nut and body. Flex arms are high strength thermoplastic. Fits MIL-DTL-38999 Series I and II connectors. Adjustable arms pivot to 0°, 45° or 90° positions. includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

FIGURE 1
FINISH CODE *NFS*



PART NUMBER

	871F005	M	22	S	K

Base P/N — 871F005

Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Olive Drab Cadmium
NFS	Alum/O.D. Cadmium, selective (fig. 1)
MT	Alum/Nickel-PTFE
TZ	Alum/Tin-Zinc

Shell Size

	Shell Size								
38999 Series I	9	11	13	15	17	19	21	23	25
38999 Series II	8	10	12	14	16	18	20	22	24
Size Code	08	10	12	14	16	18	20	22	24

Banding Adapter Slots

Omit if not required. See Detail A.

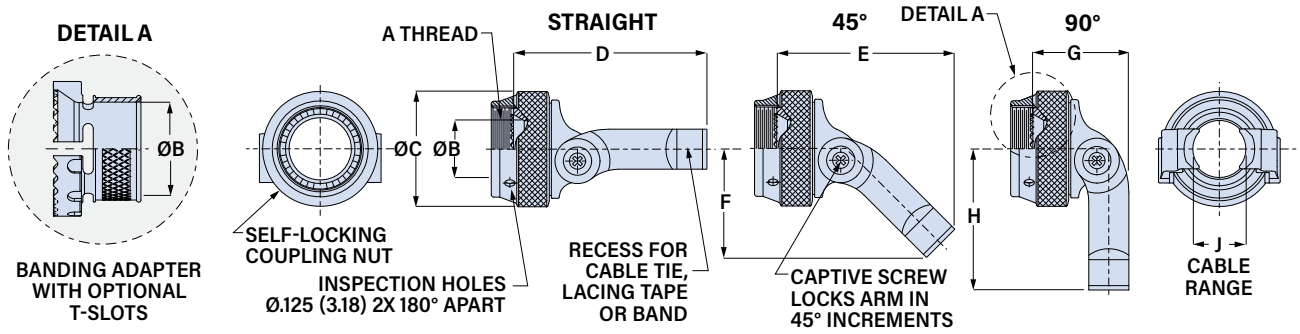
S "T" Slots in Banding Adapter for Shield Pigtails

Band

Omit if not required.

K Pre-Coiled Micro Band included With Clamp

J Pre-Coiled Slim Micro Band included With Clamp



Shell Size	A Thread UNEF-2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
8/9	0.4375-28	.178	4.5	.812	20.6	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
10/11	0.5625-24	.305	7.7	.938	23.8	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
12/13	0.6875-24	.404	10.3	1.125	28.6	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14/15	0.8125-20	.526	13.4	1.250	31.8	2.08	52.8	1.88	47.8	1.16	29.5	1.05	26.7	1.50	38.1	.710	18.0	.210	5.3
16/17	0.9375-20	.631	16.0	1.375	34.9	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
18/19	1.0625-18	.748	19.0	1.500	38.1	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.74	44.2	.934	23.7	.277	7.0
20/21	1.1875-18	.877	22.3	1.625	41.3	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
22/23	1.3125-18	.999	25.4	1.750	44.5	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9
24/25	1.4375-18	1.127	28.6	1.875	47.6	2.96	75.2	2.75	69.9	1.84	46.7	1.46	37.1	2.41	61.2	1.323	33.6	.380	9.7

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Pre-Coiled MicroBand
601-065

Pre-Coiled Slim MicroBand
601-603

MATERIAL/FINISH

Coupling nut, body, banding adapter: aluminum
Flex arms: high-strength thermoplastic
Screws, washers, inserts: sst/passivated
Anti-decoupling springs: thermoplastic
Band (optional): stainless steel/ passivated

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H001 Swing-Arm Saddle Clamp

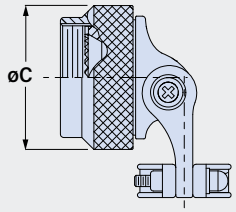
Self-Locking

Self-locking, adjustable arms. 870H001 Swing-Arm saddle clamp fits MIL-DTL-38999 Series III and IV connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threaded inserts to withstand high vibration. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Available in composite, aluminum or stainless steel.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

ALUMINUM AND SST VERSIONS



Aluminum and stainless steel versions have round knurled coupling nuts.

PART NUMBER

	870H001	XB	23	B

Base P/N — 870H001

Material/Finish

Composite
- **XB** No Finish (Black)

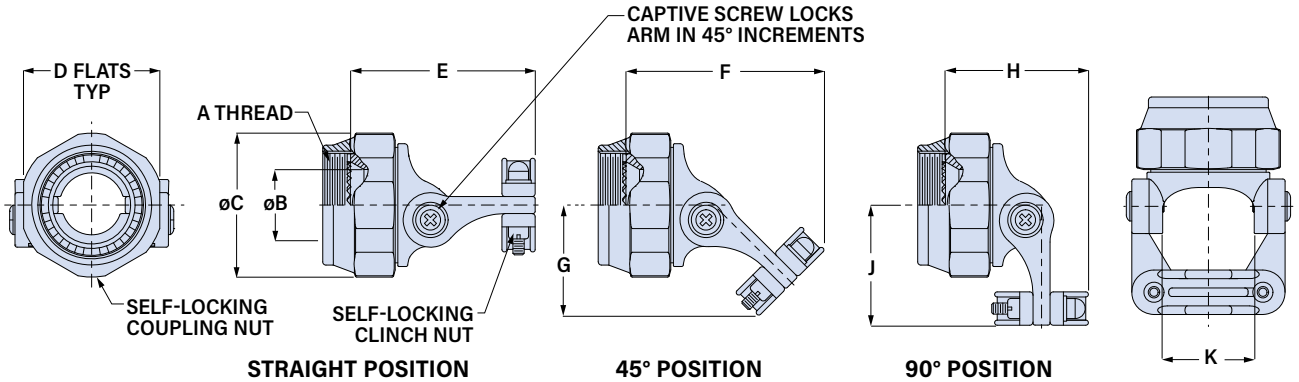
Aluminum
- **M** Electroless Nickel
- **NF** Olive Drab Cadmium
- **MT** Nickel-PTFR
- **TZ** Tin-Zinc
- **ZR** Black Zinc-Nickel

Stainless Steel
- **Z1** Passivated

Shell Size

Shell Size	9 A	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	09	11	13	15	17	19	21	23	25

Clamp Size
- **A** Standard Clamp
- **B** Large Clamp



Shell Size	A Thread	øB Min in	øB Min mm	C Max in	C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
9 (A)	M12X1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.43	36.3	1.35	34.3	.78	19.8	.91	23.1	.87	22.1	.393	10.0
11 (B)	M15X1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.50	38.1	1.45	36.8	.87	22.1	.94	23.9	.96	24.4	.455	11.6
13 (C)	M18X1.0-6H	.504	12.8	1.125	28.6	1.000	25.4	1.56	39.6	1.60	40.6	.97	24.6	1.12	28.4	1.03	26.2	.598	15.2
15 (D)	M22X1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	1.57	39.9	1.68	42.7	1.02	25.9	1.21	30.7	1.10	27.9	.710	18.0
17 (E)	M25X1.0-6H	.756	19.2	1.375	34.9	1.250	31.8	1.66	42.2	1.78	45.2	1.09	27.7	1.29	32.8	1.16	29.5	.839	21.3
19 (F)	M28X1.0-6H	.843	21.4	1.500	38.1	1.375	34.9	1.66	42.2	1.86	47.2	1.14	29.0	1.39	35.3	1.22	31.0	.934	23.7
21 (G)	M31X1.0-6H	.969	24.6	1.625	41.3	1.500	38.1	1.81	46.0	2.02	51.3	1.24	31.5	1.50	38.1	1.29	32.8	1.068	27.1
23 (H)	M34X1.0-6H	1.091	27.7	1.750	44.5	1.625	41.3	1.84	46.7	2.09	53.1	1.30	33.0	1.57	39.9	1.36	34.5	1.197	30.4
25 (J)	M37X1.0-6H	1.217	30.9	1.875	47.6	1.750	44.5	2.00	50.8	2.20	55.9	1.45	36.8	1.64	41.7	1.55	39.4	1.323	33.6

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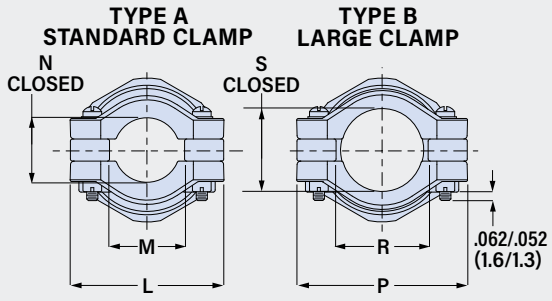
Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H001 Swing-Arm Saddle Clamp

CLAMP DIMENSIONS



Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm
9 (A)	.98	24.9	.22	5.6	.265	6.7
11 (B)	1.05	26.7	.27	6.9	.310	7.9
13 (C)	1.20	30.5	.35	8.9	.422	10.7
15 (D)	1.30	33.0	.47	11.9	.538	13.7
17 (E)	1.44	36.6	.55	14.0	.590	15.0
19 (F)	1.56	39.6	.62	15.7	.660	16.8
21 (G)	1.69	42.9	.70	17.8	.744	18.9
23 (H)	1.77	45.0	.78	19.8	.826	21.0
25 (J)	1.89	48.0	.85	21.6	.896	22.8

Shell Size	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
9 (A)	.98	24.9	.33	8.4	.356	9.0
11 (B)	1.20	30.5	.45	11.4	.422	10.7
13 (C)	1.45	36.8	.62	15.7	.637	16.2
15 (D)	1.54	39.1	.68	17.3	.707	18.0
17 (E)	1.60	40.6	.80	20.3	.759	19.3
19 (F)	1.73	43.9	.90	22.9	.841	21.4
21 (G)	1.95	49.5	1.05	26.7	.996	25.3
23 (H)	2.08	52.8	1.18	30.0	1.060	26.9
25 (J)	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Composite *(Code XB)*
- **Coupling nut, body, arms, saddles:** polyetherimide (PEI), unplated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** stainless steel, silver plated

Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated.
  Code NF: stainless steel/ olive drab cadmium

Stainless Steel *(Code Z1)*
- **Coupling nut, body, arms, saddles:** SST
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** stainless steel
- **Clinch Nuts:** stainless steel, silver plated

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H002 Swing-Arm Saddle Clamp, Braid Sock, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870H002 composite Swing-Arm saddle clamp fits MIL-DTL-38999 Series III and IV connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant glass-reinforced thermoplastic meets AS85049 requirements. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

TABLE 1
INTERFACE RING MATERIAL / FINISH

Aluminum	
M	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

	870H002	BM	21	B	L	K	14

Base P/N — **870H002**

Interface Ring Material/Finish — *See Table 1*

Shell Size

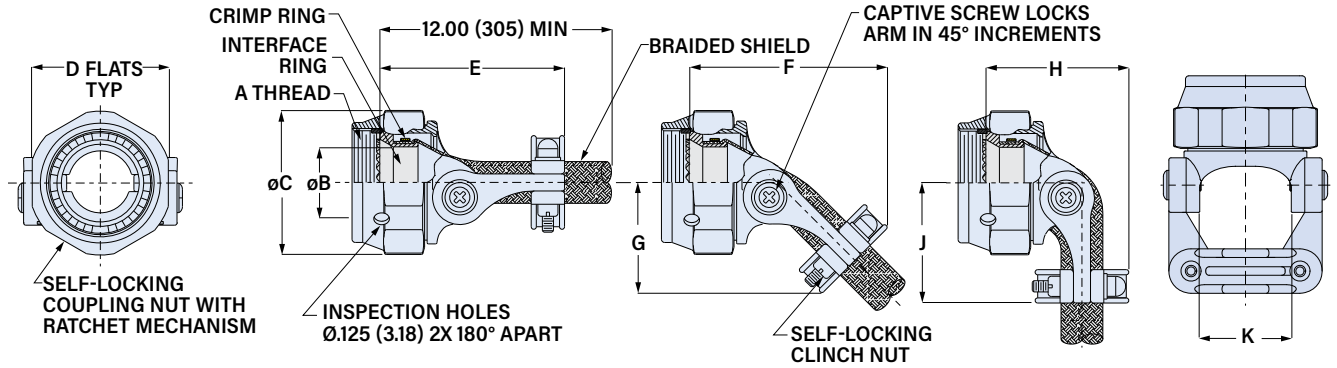
Shell Size	9 A	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	09	11	13	15	17	19	21	23	25

Clamp Size — *See Clamp Dimensions on next page*
- **A** Standard Clamp
- **B** Large Clamp

Braid Type
- **N** 34 AWG Nickel/Copper Braid
- **T** 34 AWG Tin/Copper Braid
- **A** AmberStrand® Nickel/Composite Braid
- **L** Microfilament ArmorLite® Nickel/SST Braid

Splice Ring and Band — *Omit if not required*
- **K** Splice ring and standard band
- **J** Splice ring and slim standard band

Braid Length — *Omit for standard 12 inch length*
- **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.



Shell Size	A Thread	øB Min in	øB Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
9 (A)	M12X1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
11 (B)	M15X1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
13 (C)	M18X1.0-6H	.504	12.8	1.125	28.6	1.000	25.4	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
15 (D)	M22X1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
17 (E)	M25X1.0-6H	.756	19.2	1.375	34.9	1.250	31.8	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
19 (F)	M28X1.0-6H	.843	21.4	1.500	38.1	1.375	34.9	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
21 (G)	M31X1.0-6H	.969	24.6	1.625	41.3	1.500	38.1	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
23 (H)	M34X1.0-6H	1.091	27.7	1.750	44.5	1.625	41.3	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4
25 (J)	M37X1.0-6H	1.217	30.9	1.875	47.6	1.750	44.5	1.94	49.3	2.23	56.6	1.33	33.8	1.70	43.2	1.40	35.6	1.323	33.6

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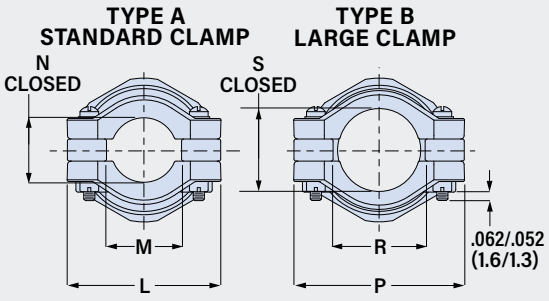
Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H002 Swing-Arm Saddle Clamp, Braid Sock, Composite

CLAMP DIMENSIONS

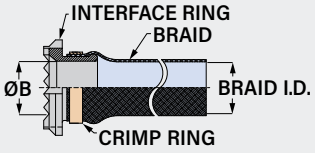


Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
9 (A)	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
11 (B)	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
13 (C)	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
15 (D)	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
17 (E)	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
19 (F)	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
21 (G)	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
23 (H)	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9
25 (J)	1.89	48.0	.85	21.6	.896	22.8	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

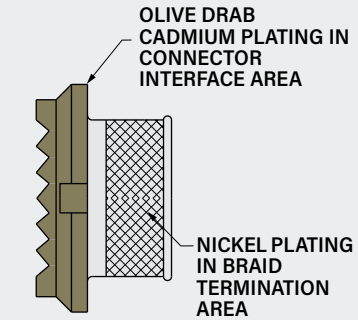
Coupling nut, body, arms, saddles: polyetherimide (PEI)/unplated
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
interface Ring: brass or aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Clinch Nuts: stainless steel/silver
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
9 (A)	.264	6.7	.375	9.5
11 (B)	.390	9.9	.375	9.5
13 (C)	.504	12.8	.500	12.7
15 (D)	.630	16.0	.500	12.7
17 (E)	.756	19.2	.781	19.8
19 (F)	.843	21.4	.781	19.8
21 (G)	.969	24.6	1.000	25.4
23 (H)	1.091	27.7	1.000	25.4
25 (J)	1.217	30.9	1.250	31.8

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

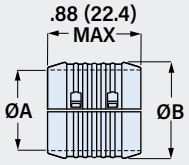
Splice Ring

Band

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
9 (A)	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
11 (B)	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
13 (C)	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
15 (D)	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
17 (E)	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
19 (F)	601-041	601-573	687-207XB14	.88	22.4	1.03	26.2
21 (G)	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
23 (H)	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5
25 (J)	601-041	601-573	687-207XB20	1.25	31.8	1.40	35.6



687-207
SPLICE RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

Self-Locking

Shielded, self-locking, adjustable arms. 870H003 stainless steel or aluminum Swing-Arm saddle clamp fits MIL-DTL-38999 Series III and IV connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
NF	Olive drab cadmium, selective (fig. 1)
MT	Nickel-PTFE
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

PART NUMBER

	870H003	M	15	B	L	K	14

Base P/N — **870H003**

Material/Finish — *See Table 1*

Shell Size

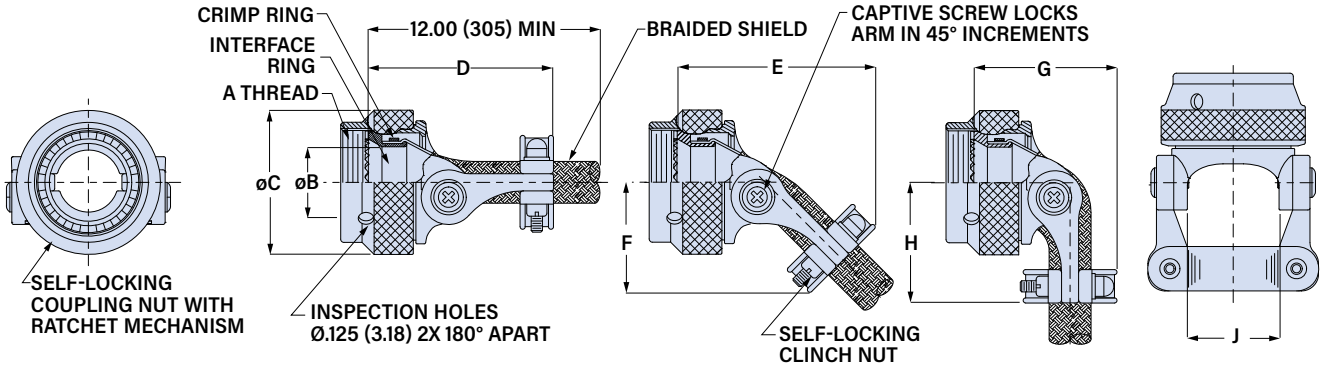
Shell	9	11	13	15	17	19	21	23	25
Size	A	B	C	D	E	F	G	H	J
Size Code	**09**	**11**	**13**	**15**	**17**	**19**	**21**	**23**	**25**

Clamp Size — *See Clamp Dimensions on next page*
- **A** Standard Clamp
- **B** Large Clamp

Braid Type
- **N** 34 AWG Nickel/Copper Braid
- **T** 34 AWG Tin/Copper Braid
- **A** AmberStrand® Nickel/Composite Braid
- **L** Microfilament ArmorLite® Nickel/SST Braid

Splice Ring and Band — *Omit if not required. See "Splice Ring and Band" on next page.*
- **K** Splice ring and standard band
- **J** Splice ring and slim standard band

Braid Length — *Omit for standard 12 inch length*
- **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.



Shell Size	A Thread	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
9 (A)	M12X1.0-6H	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
11 (B)	M15X1.0-6H	.390	9.9	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
13 (C)	M18X1.0-6H	.504	12.8	1.125	28.6	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
15 (D)	M22X1.0-6H	.630	16.0	1.250	31.8	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
17 (E)	M25X1.0-6H	.756	19.2	1.375	34.9	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
19 (F)	M28X1.0-6H	.843	21.4	1.500	38.1	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
21 (G)	M31X1.0-6H	.969	24.6	1.625	41.3	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
23 (H)	M34X1.0-6H	1.091	27.7	1.750	44.5	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4
25 (J)	M37X1.0-6H	1.217	30.9	1.875	47.6	1.94	49.3	2.23	56.6	1.33	33.8	1.70	43.2	1.40	35.6	1.323	33.6

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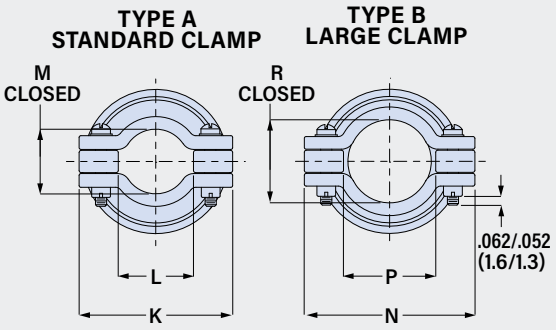
Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

CLAMP DIMENSIONS



Shell Size	Standard Clamp K Max in	K Max mm	L Min in	L Min mm	M Ref. in	M Ref. mm	Large Clamp N Max in	N Max mm	P Min in	P Min mm	R Ref. in	R Ref. mm
9 (A)	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
11 (B)	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
13 (C)	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
15 (D)	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
17 (E)	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
19 (F)	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
21 (G)	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
23 (H)	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9
25 (J)	1.89	48.0	.85	21.6	.896	22.8	2.32	58.9	1.30	33.0	1.124	28.5

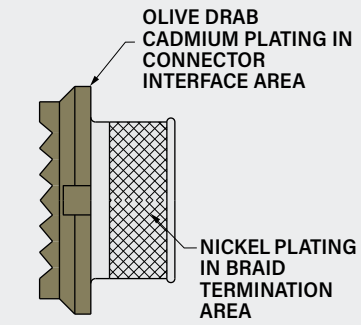
MATERIAL/FINISH

Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles, interface ring:** aluminum
- **Crimp Ring:** copper alloy/ tin plated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling spring:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF: stainless steel/ olive drab cadmium

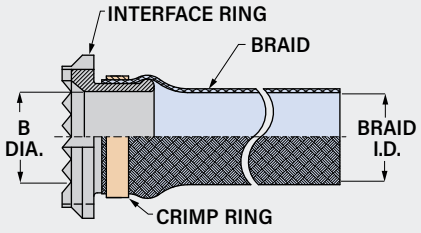
Stainless Steel *(Codes BM, BMT, Z1, ZM)*
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Crimp Ring:** copper alloy/ tin plated
- **Clinch nuts:** stainless steel, silver plated
- **interface ring:** brass (codes BM, BMT) or stainless steel (Z1, ZM)

Braid:
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand***® ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

FIGURE 1
NF SELECTIVE FINISH



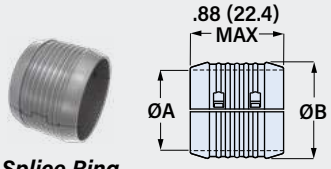
INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
9 (A)	.264	6.7	.375	9.5
11 (B)	.390	9.9	.375	9.5
13 (C)	.504	12.8	.500	12.7
15 (D)	.630	16.0	.500	12.7
17 (E)	.756	19.2	.781	19.8
19 (F)	.843	21.4	.781	19.8
21 (G)	.969	24.6	1.000	25.4
23 (H)	1.091	27.7	1.000	25.4
25 (J)	1.217	30.9	1.250	31.8

SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. Install band around splice ring and braid using Band-Master ATS banding tool. ***Slim Standard Band*** is 50% lighter weight than standard band with no reduction in strength.



Splice Ring

687-207
SPLICE RING

Band

Standard Band Tool
601-100

Slim Standard Band Tool
601-109

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Split Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
9 (A)	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
11 (B)	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
13 (C)	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
15 (D)	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
17 (E)	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
19 (F)	601-041	601-573	687-207XB14	.88	22.4	1.03	26.2
21 (G)	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
23 (H)	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5
25 (J)	601-041	601-573	687-207XB20	1.25	31.8	1.40	35.6

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870H004 Swing-Arm saddle clamp fits MIL-DTL-38999 Series III and IV connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

FIGURE 1
FINISH CODES *NFS*, *BNS*

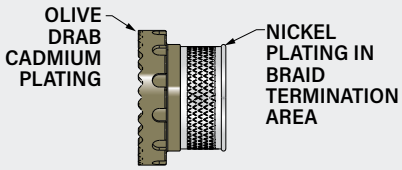


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

	870H004	M	23	A	S	K

Base P/N — 870H004

Banding Adapter Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Olive Drab Cadmium
NFS	Alum/O.D. Cadmium, selective (fig. 1)
MT	Alum/Nickel-PTFE
TZ	Alum/Tin-Zinc
BM	Brass/Electroless Nickel
BN	Brass/Olive Drab Cadmium
BNS	Brass/O.D. Cadmium, selective (fig. 1)
BMT	Brass/Nickel-PTFE

Shell Size

Shell Size	9 A	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	09	11	13	15	17	19	21	23	25

Clamp Size

A	Standard Clamp
B	Large Clamp

Banding Adapter Slots

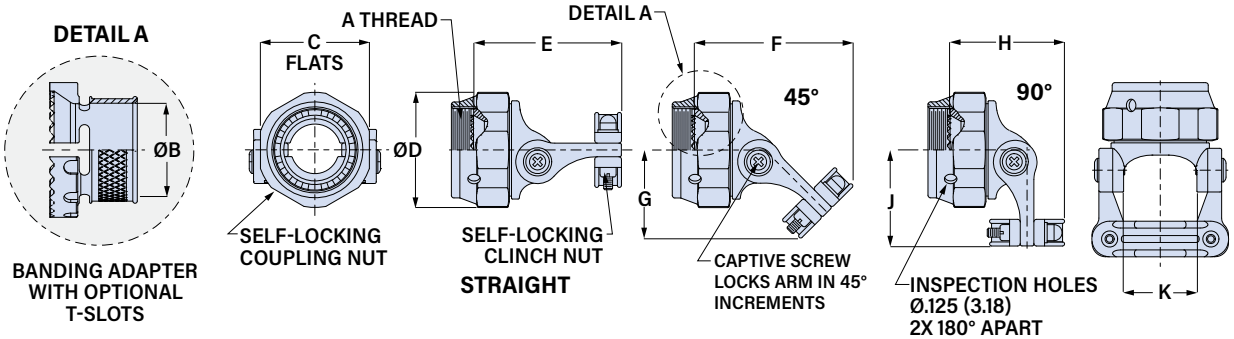
Omit if not required. See Figure 2.

S	"T" Slots in Banding Adapter for Shield Pigtails

Band

Omit if not required.

K	Pre-Coiled Micro Band included With Clamp
J	Pre-Coiled Slim Micro Band included With Clamp



Shell Size	A Thread	ø B Min in	ø B Min mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
9 (A)	M12X1.0-6H	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
11 (B)	M15X1.0-6H	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
13 (C)	M18X1.0-6H	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67	42.4	.93	23.6	1.17	29.7	1.03	26.2	.598	15.2
15 (D)	M22X1.0-6H	.526	13.4	1.125	28.6	1.250	31.8	1.67	42.4	1.76	44.7	1.00	25.4	1.28	32.5	1.10	27.9	.710	18.0
17 (E)	M25X1.0-6H	.658	16.7	1.250	31.8	1.375	34.9	1.77	45.0	1.89	48.0	1.09	27.7	1.40	35.6	1.16	29.5	.839	21.3
19 (F)	M28X1.0-6H	.777	19.7	1.375	34.9	1.500	38.1	1.77	45.0	1.96	49.8	1.14	29.0	1.50	38.1	1.22	31.0	.934	23.7
21 (G)	M31X1.0-6H	.877	22.3	1.500	38.1	1.625	41.3	1.92	48.8	2.11	53.6	1.22	31.0	1.57	39.9	1.29	32.8	1.068	27.1
23 (H)	M34X1.0-6H	.999	25.4	1.625	41.3	1.750	44.5	1.95	49.5	2.18	55.4	1.28	32.5	1.67	42.4	1.36	34.5	1.197	30.4
25 (J)	M37X1.0-6H	1.127	28.6	1.750	44.5	1.875	47.6	1.98	50.3	2.25	57.2	1.34	34.0	1.73	43.9	1.43	36.3	1.323	33.6

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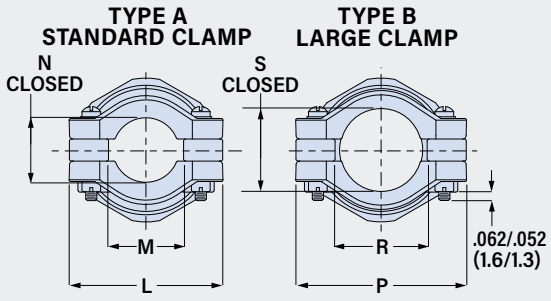
Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

CLAMP DIMENSIONS



Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm
9 (A)	.97	24.6	.22	5.6	.264	6.7
11 (B)	1.03	26.2	.29	7.4	.310	7.9
13 (C)	1.21	30.7	.34	8.6	.422	10.7
15 (D)	1.32	33.5	.45	11.4	.538	13.7
17 (E)	1.45	36.8	.55	14.0	.590	15.0
19 (F)	1.54	39.1	.65	16.5	.660	16.8
21 (G)	1.67	42.4	.74	18.8	.744	18.9
23 (H)	1.79	45.5	.87	22.1	.826	21.0
25 (J)	1.92	48.8	.99	25.1	.896	22.8

Shell Size	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
9 (A)	.98	24.9	.33	8.4	.356	9.0
11 (B)	1.20	30.5	.45	11.4	.422	10.7
13 (C)	1.45	36.8	.62	15.7	.637	16.2
15 (D)	1.54	39.1	.68	17.3	.707	18.0
17 (E)	1.60	40.6	.80	20.3	.759	19.3
19 (F)	1.73	43.9	.90	22.9	.841	21.4
21 (G)	1.95	49.5	1.05	26.7	.996	25.3
23 (H)	2.08	52.8	1.18	30.0	1.060	26.9
25 (J)	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Coupling nut, body, arms, saddles: polyetherimide (PEI)/ unplated black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Banding adapter: aluminum alloy or brass
Band (optional): stainless steel/ passivated
Clinch nuts: stainless steel/ silver plated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
9 – 13	601-061	601-601	8.125	206	.88	22.4
15 – 25	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Shielded, self-locking, adjustable arms. 870H005 aluminum or stainless steel Swing-Arm saddle clamp fits MIL-DTL-38999 Series III and IV connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

PART NUMBER

	870H005	M	23	A	S	K
Base P/N	870H005					
Material/Finish	*See Table 1*					
Shell Size	Shell Size: 9 (A), 11 (B), 13 (C), 15 (D), 17 (E), 19 (F), 21 (G), 23 (H), 25 (J) — Size Code: 09, 11, 13, 15, 17, 19, 21, 23, 25					
Clamp Size	**A** Standard Clamp **B** Large Clamp					
Banding Adapter Slots	*Omit if not required. See Figure 2.* **S** "T" Slots in Banding Adapter for Shield Pigtails					
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp					

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
MT	Nickel-PTFE
NF	Olive drab cadmium
NFS	Olive drab cadmium, selective (fig. 1)
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

FIGURE 1
MATERIAL/ FINISH CODE *NFS*

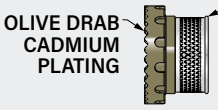
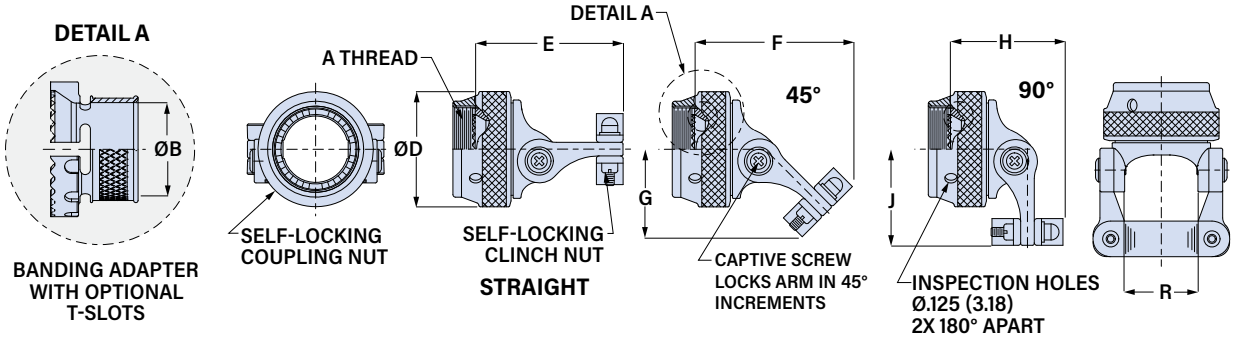


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.



Shell Size	A Thread	ø B Min in	ø B Min mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	R Ref. in	R Ref. mm
9 (A)	M12X1.0-6H	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
11 (B)	M15X1.0-6H	.305	7.7	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
13 (C)	M18X1.0-6H	.404	10.3	1.125	28.6	1.66	42.2	1.71	43.4	.97	24.6	1.22	31.0	1.03	26.2	.598	15.2
15 (D)	M22X1.0-6H	.565	14.4	1.250	31.8	1.67	42.4	1.79	45.5	1.02	25.9	1.32	33.5	1.10	27.9	.710	18.0
17 (E)	M25X1.0-6H	.658	16.7	1.375	34.9	1.77	45.0	1.88	47.8	1.08	27.4	1.38	35.1	1.16	29.5	.839	21.3
19 (F)	M28X1.0-6H	.777	19.7	1.500	38.1	1.77	45.0	1.96	49.8	1.13	28.7	1.49	37.8	1.22	31.0	.934	23.7
21 (G)	M31X1.0-6H	.877	22.3	1.625	41.3	1.92	48.8	2.13	54.1	1.24	31.5	1.61	40.9	1.29	32.8	1.068	27.1
23 (H)	M34X1.0-6H	.999	25.4	1.750	44.5	1.95	49.5	2.20	55.9	1.30	33.0	1.68	42.7	1.36	34.5	1.197	30.4
25 (J)	M37X1.0-6H	1.127	28.6	1.875	47.6	2.10	53.3	2.31	58.7	1.39	35.3	1.75	44.5	1.55	39.4	1.323	33.6

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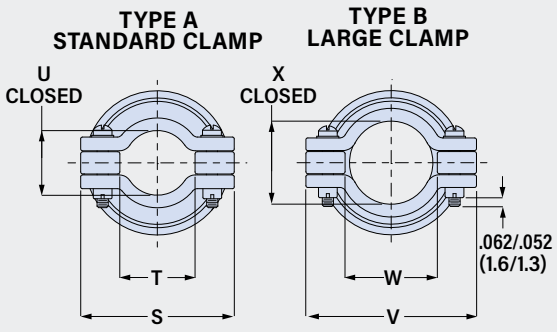
Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

870H005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

CLAMP DIMENSIONS



Standard Clamp						
Shell Size	S Max in	S Max mm	T Min in	T Min mm	U Ref. in	U Ref. mm
9 (A)	.97	24.6	.22	5.6	.264	6.7
11 (B)	1.03	26.2	.29	7.4	.310	7.9
13 (C)	1.21	30.7	.34	8.6	.422	10.7
15 (D)	1.32	33.5	.45	11.4	.538	13.7
17 (E)	1.45	36.8	.55	14.0	.590	15.0
19 (F)	1.54	39.1	.65	16.5	.660	16.8
21 (G)	1.67	42.4	.74	18.8	.744	18.9
23 (H)	1.79	45.5	.87	22.1	.826	21.0
25 (J)	1.92	48.8	.99	25.1	.896	22.8

Large Clamp						
Shell Size	V Max in	V Max mm	W Min in	W Min mm	X Ref. in	X Ref. mm
9 (A)	.98	24.9	.33	8.4	.356	9.0
11 (B)	1.20	30.5	.45	11.4	.422	10.7
13 (C)	1.45	36.8	.62	15.7	.637	16.2
15 (D)	1.54	39.1	.68	17.3	.707	18.0
17 (E)	1.60	40.6	.80	20.3	.759	19.3
19 (F)	1.73	43.9	.90	22.9	.841	21.4
21 (G)	1.95	49.5	1.05	26.7	.996	25.3
23 (H)	2.08	52.8	1.18	30.0	1.060	26.9
25 (J)	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Aluminum *(Codes M, MT, NF, NFS TZ, ZR)*
- **Coupling nut, body, arms, saddles, interface ring**: aluminum
- **Screws, washers, inserts**: stainless steel/ passivated
- **Anti-decoupling springs**: thermoplastic
- **Clinch nuts**: Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF, NFS: stainless steel/ olive drab cadmium
- **Banding adapter**: aluminum
- **Band (optional)**: stainless steel/ passivated

Stainless Steel *(Codes BM, BMT, Z1, ZM)*
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts**: stainless steel, passivated
- **Clinch nuts**: stainless steel, silver plated
- **Banding adapter**:
  - Code BM: brass/ electroless nickel
  - Code BMT: brass/ nickel-PTFE
  - Code Z1: stainless steel/ passivated
  - Code ZM: stainless steel/ electroless nickel
- **Band (optional)**: stainless steel/ passivated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
9 – 13	601-061	601-601	8.125	206	.88	22.4
15 – 25	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

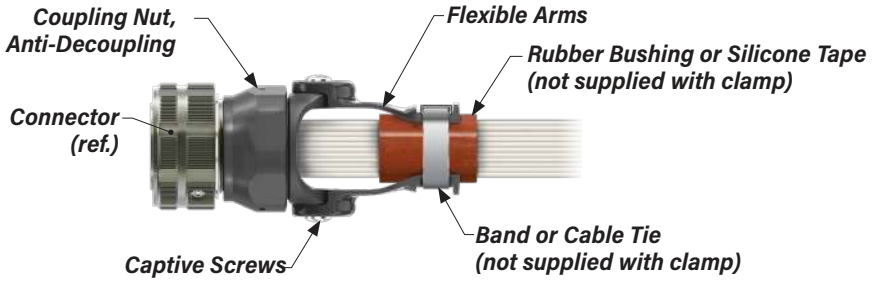
871H001 Swing-Arm Flex Clamp

Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Lightweight, self-locking, flexible arms. 871H001 Swing-Arm Flex Clamp fits MIL-DTL-38999 Series III and IV connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Use banding strap or cable tie to secure arms to wire bundle. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Clamp and coupling nut are composite or aluminum, flex arms are PEEK. Passivated SST hardware.



MATERIAL/FINISH

Body, coupling nut :
Code XB: polyetherimide, black
Codes M, MT, NF, TZ, ZR: aluminum alloy
Arms: PEEK, black
Hardware: stainless steel
Anti-decoupling spring: thermoplastic

PART NUMBER

	871H001	XB	13

Base P/N — 871H001

Material/Finish

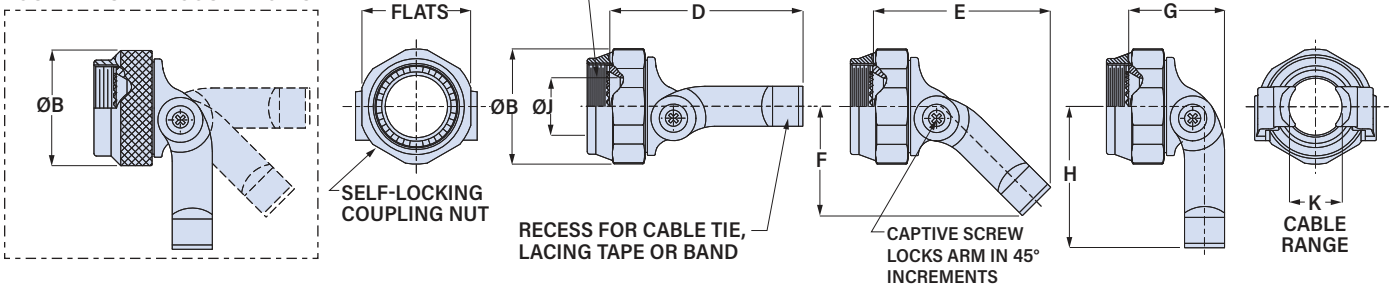
Composite
XB No Finish (Black)
Aluminum
M Electroless Nickel
NF Olive Drab Cadmium
MT Nickel-PTFR
TZ Tin-Zinc
ZR Black Zinc-Nickel

Material/Finish Code applies to coupling nut and clamp body. Flex arms are black thermoplastic.

Shell Size

Shell	9	11	13	15	17	19	21	23	25
Size	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

ALUMINUM ALLOY CONFIG.
ROUND KNURLED COUPLING NUT



Shell Size	A Thread	øB Max in	øB Max mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	øJ Min in	øJ Min mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
9 (A)	M12X1.0-6H	.812	20.6	.750	19.1	1.69	42.9	1.46	37.1	.87	22.1	.85	21.6	1.12	28.4	.264	6.7	.393	10.0	.098	2.5
11 (B)	M15X1.0-6H	.938	23.8	.875	22.2	1.69	42.9	1.46	37.1	.89	22.6	.85	21.6	1.15	29.2	.390	9.9	.455	11.6	.121	3.1
13 (C)	M18X1.0-6H	1.125	28.6	1.000	25.4	1.97	50.0	1.77	45.0	1.10	27.9	.94	23.9	1.44	36.6	.504	12.8	.598	15.2	.157	4.0
15 (D)	M22X1.0-6H	1.250	31.8	1.125	28.6	1.97	50.0	1.77	45.0	1.32	33.5	.94	23.9	1.50	38.1	.630	16.0	.710	18.0	.210	5.3
17 (E)	M25X1.0-6H	1.375	34.9	1.250	31.8	2.18	55.4	2.02	51.3	1.28	32.5	1.10	27.9	1.68	42.7	.756	19.2	.839	21.3	.246	6.2
19 (F)	M28X1.0-6H	1.500	38.1	1.375	34.9	2.18	55.4	2.02	51.3	1.35	34.3	1.10	27.9	1.74	44.2	.843	21.4	.934	23.7	.277	7.0
21 (G)	M31X1.0-6H	1.625	41.3	1.500	38.1	2.64	67.1	2.43	61.7	1.63	41.4	1.26	32.0	2.12	53.8	.969	24.6	1.068	27.1	.313	8.0
23 (H)	M34X1.0-6H	1.750	44.5	1.625	41.3	2.64	67.1	2.43	61.7	1.67	42.4	1.26	32.0	2.16	54.9	1.091	27.7	1.197	30.4	.349	8.9
25 (J)	M37X1.0-6H	1.875	47.6	1.750	44.5	2.85	72.4	2.65	67.3	1.84	46.7	1.35	34.3	2.41	61.2	1.217	30.9	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

871H002 Swing-Arm Flex Clamp with Braid Sock, Composite

Self-Locking

Shielded. Lightweight. Self-locking. Adjustable arms. 871H002 Swing-Arm Flex Clamp fits MIL-DTL-38999 Series III and IV connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant high performance thermoplastic meets AS85049 requirements. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

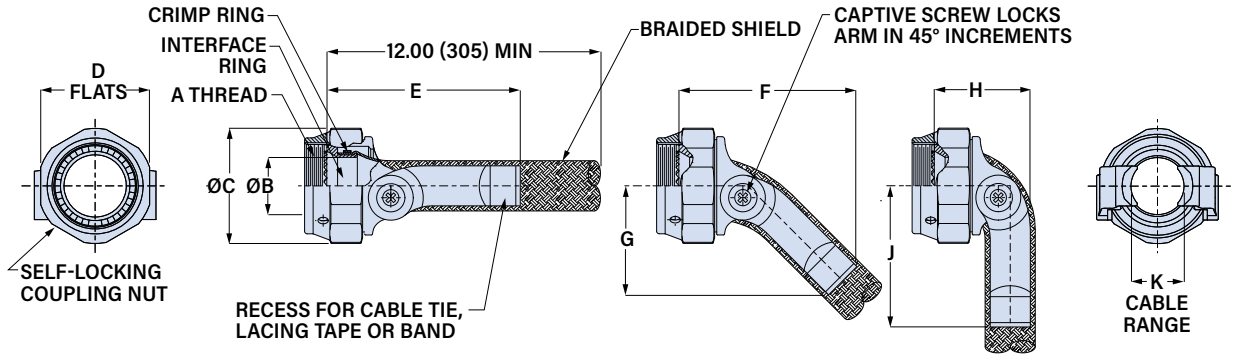
TABLE 1
INTERFACE RING MATERIAL/ FINISH

Aluminum	
M	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

871H002	BM	23	N	J	14

Base P/N	871H002
Interface Ring Material/Finish	*See Table 1*
Shell Size	Shell: 9 11 13 15 17 19 21 23 25 Size: A B C D E F G H J Size Code: 09 11 13 15 17 19 21 23 25
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L ArmorLite® Microfilament Nickel/SST Braid
Splice Ring and Band	*Omit if not required* K Splice ring and standard band J Splice ring and slim standard band
Braid Length	*Omit for standard 12 inch length* 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.



Shell Size	A Thread	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
9 (A)	M12X1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
11 (B)	M15X1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
13 (C)	M18X1.0-6H	.504	12.8	1.125	28.6	1.000	25.4	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
15 (D)	M22X1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
17 (E)	M25X1.0-6H	.756	19.2	1.375	34.9	1.250	31.8	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
19 (F)	M28X1.0-6H	.843	21.4	1.500	38.1	1.375	34.9	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
21 (G)	M31X1.0-6H	.969	24.6	1.625	41.3	1.500	38.1	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
23 (H)	M34X1.0-6H	1.091	27.7	1.750	44.5	1.625	41.3	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9
25 (J)	M37X1.0-6H	1.217	30.9	1.875	47.6	1.750	44.5	2.93	74.4	2.73	69.3	1.81	46.0	1.42	36.1	2.38	60.5	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

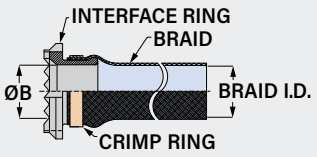
for MIL-DTL-38999 Series III and IV Connectors

871H002 Swing-Arm Flex Clamp with Braid Sock, Composite

MATERIAL/FINISH

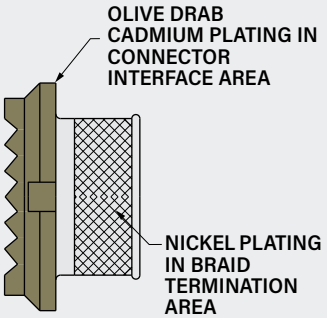
Coupling nut, body: polyetherimide (PEI)/ unplated, black
Flex arms: PEEK (PEI)/unplated, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling spring: thermoplastic
interface Ring: brass or aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
9 (A)	.264	6.7	.375	9.5
11 (B)	.390	9.9	.375	9.5
13 (C)	.504	12.8	.500	12.7
15 (D)	.630	16.0	.500	12.7
17 (E)	.756	19.2	.781	19.8
19 (F)	.843	21.4	.781	19.8
21 (G)	.969	24.6	1.000	25.4
23 (H)	1.091	27.7	1.000	25.4
25 (J)	1.217	30.9	1.250	31.8

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND BAND (K AND J OPTIONS)

Splice Ring

Pre-Coiled Band

Optional split ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

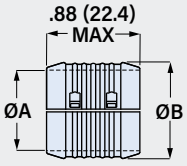
Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Precoiled Band Part Number Standard	Precoiled Band Part Number Slim Standard
All	601-041	601-573

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

Shell Size	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
9 (A)	687-207XB04	.25	6.4	.40	10.2
11 (B)	687-207XB06	.38	9.7	.53	13.5
13 (C)	687-207XB08	.50	12.7	.65	16.5
15 (D)	687-207XB10	.63	16.0	.78	19.8
17 (E)	687-207XB12	.75	19.1	.90	22.9
19 (F)	687-207XB14	.88	22.4	1.03	26.2
21 (G)	687-207XB16	1.00	25.4	1.15	29.2
23 (H)	687-207XB18	1.13	28.7	1.28	32.5
25 (J)	687-207XB20	1.25	31.8	1.40	35.6



687-207
SPLICE RING

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

871H003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

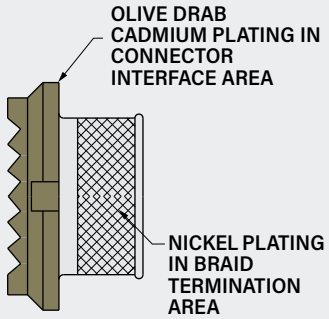
Self-Locking

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

Shielded. Lightweight. Self-locking. Adjustable arms. 871H003 Swing-Arm Flex Clamp has aluminum coupling nut and body with thermoplastic flex arms. Fits MIL-DTL-38999 Series III and IV connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

FIGURE 1
NF SELECTIVE FINISH



INTERFACE RING

PART NUMBER

	871H003	M	23	N	J	14

Base P/N — 871H003

Material/Finish
- **M** Electroless Nickel
- **NF** O. D. Cadmium, Selective (Figure 1)
- **MT** Nickel-PTFE
- **TZ** Tin-Zinc
- **ZR** Black Zinc-Nickel

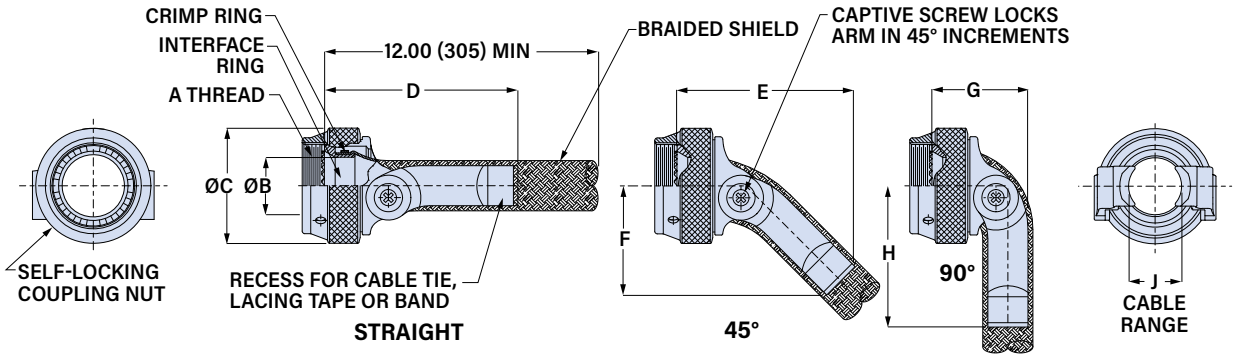
Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
	A	B	C	D	E	F	G	H	J
Size Code	09	11	13	15	17	19	21	23	25

Braid Type
- **N** 34 AWG Nickel/Copper Braid
- **T** 34 AWG Tin/Copper Braid
- **A** AmberStrand® Nickel/Composite Braid
- **L** ArmorLite® Microfilament Nickel/SST Braid

Splice Ring and Band
Omit if not required
- **K** Splice ring and standard band
- **J** Splice ring and slim standard band

Braid Length
Omit for standard 12 inch length
- **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.



Shell Size	A Thread	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
9 (A)	M12X1.0-6H	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
11 (B)	M15X1.0-6H	.390	9.9	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
13 (C)	M18X1.0-6H	.504	12.8	1.125	28.6	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
15 (D)	M22X1.0-6H	.630	16.0	1.250	31.8	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
17 (E)	M25X1.0-6H	.756	19.2	1.375	34.9	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
19 (F)	M28X1.0-6H	.843	21.4	1.500	38.1	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
21 (G)	M31X1.0-6H	.969	24.6	1.625	41.3	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
23 (H)	M34X1.0-6H	1.091	27.7	1.750	44.5	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9
25 (J)	M37X1.0-6H	1.217	30.9	1.875	47.6	2.93	74.4	2.73	69.3	1.81	46.0	1.42	36.1	2.38	60.5	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

871H003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

SPLICE RING AND BAND (K AND J OPTIONS)

Splice Ring

Pre-Coiled Band

Optional split ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

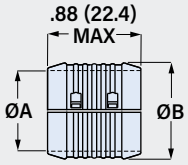
Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Precoiled Band Part Number Standard	Slim Standard
All	601-041	601-573

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

Shell Size	Splice Ring Part Number	øA ± .03 (0.8) in	øA mm	øB ± .03 (0.8) in	øB mm
9 (A)	687-207XB04	.25	6.4	.40	10.2
11 (B)	687-207XB06	.38	9.7	.53	13.5
13 (C)	687-207XB08	.50	12.7	.65	16.5
15 (D)	687-207XB10	.63	16.0	.78	19.8
17 (E)	687-207XB12	.75	19.1	.90	22.9
19 (F)	687-207XB14	.88	22.4	1.03	26.2
21 (G)	687-207XB16	1.00	25.4	1.15	29.2
23 (H)	687-207XB18	1.13	28.7	1.28	32.5
25 (J)	687-207XB20	1.25	31.8	1.40	35.6

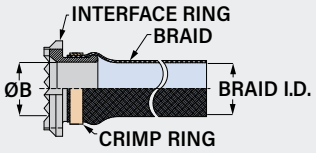


687-207
SPLICE RING

MATERIAL/FINISH

Coupling nut, body: aluminum
Flex arms: PEEK (PEI)/unplated, black
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
interface ring: aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
9 (A)	.264	6.7	.375	9.5
11 (B)	.390	9.9	.375	9.5
13 (C)	.504	12.8	.500	12.7
15 (D)	.630	16.0	.500	12.7
17 (E)	.756	19.2	.781	19.8
19 (F)	.843	21.4	.781	19.8
21 (G)	.969	24.6	1.000	25.4
23 (H)	1.091	27.7	1.000	25.4
25 (J)	1.217	30.9	1.250	31.8

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

871H004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 871H004 Swing-Arm Flex Clamp fits MIL-DTL-38999 Series III and IV connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

FIGURE 1
FINISH CODES *NFS*, *BNS*

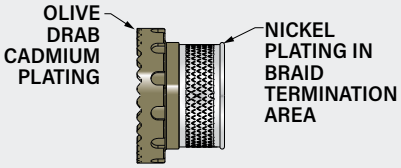


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

	871H004	M	23	S	K

Base P/N 871H004

Banding Adapter Material/Finish

M	Alum/Electroless Nickel
NF	Alum/Olive Drab Cadmium
NFS	Alum/O.D. Cadmium, selective (fig. 1)
MT	Alum/Nickel-PTFE
TZ	Alum/Tin-Zinc
BM	Brass/Electroless Nickel
BN	Brass/Olive Drab Cadmium
BNS	Brass/O.D. Cadmium, selective (fig. 1)
BMT	Brass/Nickel-PTFE

Shell Size

Shell Size	9 A	11 B	13 C	15 D	17 E	19 F	21 G	23 H	25 J
Size Code	09	11	13	15	17	19	21	23	25

Banding Adapter Slots

Omit if not required. See Figure 2

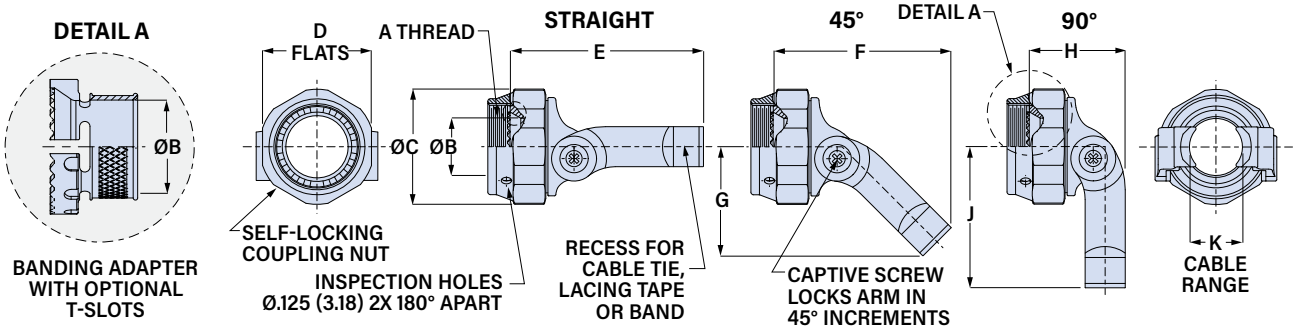
S "T" Slots in Banding Adapter for Shield Pigtails

Band

Omit if not required.

K Pre-Coiled Micro Band included With Clamp

J Pre-Coiled Slim Micro Band included With Clamp



Shell Size	A Thread	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
9 (A)	M12X1.0-6H	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.57	39.9	.87	22.1	.96	24.4	1.12	28.4	.393	10.0	.098	2.5
11 (B)	M15X1.0-6H	.305	7.8	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	22.6	.96	24.4	1.15	29.2	.455	11.6	.121	3.1
13 (C)	M18X1.0-6H	.404	10.3	1.125	28.6	1.000	25.4	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
15 (D)	M22X1.0-6H	.565	14.4	1.250	31.8	1.125	28.6	2.08	52.8	1.88	47.8	1.16	29.5	1.32	33.5	1.50	38.1	.710	18.0	.210	5.3
17 (E)	M25X1.0-6H	.658	16.7	1.375	34.9	1.250	31.8	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
19 (F)	M28X1.0-6H	.777	19.7	1.500	38.1	1.375	34.9	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.81	46.0	.934	23.7	.277	7.0
21 (G)	M31X1.0-6H	.877	22.3	1.625	41.3	1.500	38.1	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
23 (H)	M34X1.0-6H	.999	25.4	1.750	44.5	1.625	41.3	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9
25 (J)	M37X1.0-6H	1.127	28.6	1.875	47.6	1.750	44.5	2.96	75.2	2.75	69.9	1.84	46.7	1.46	37.1	2.41	61.2	1.323	33.6	.380	9.7

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

871H004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

MATERIAL /FINISH

Coupling nut, body, arms: thermoplastic, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Banding adapter: aluminum alloy or brass
Band (optional): stainless steel/ passivated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
9 – 13	601-061	601-601	8.125	206	.88	22.4
15 – 25	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors

871H005 Swing-Arm Flex Clamp, EMI Banding Adapter, Aluminum

Self-Locking

Adapter Code H

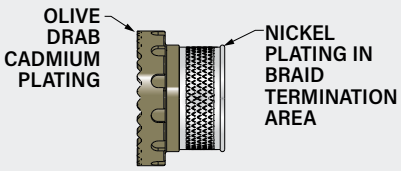
This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

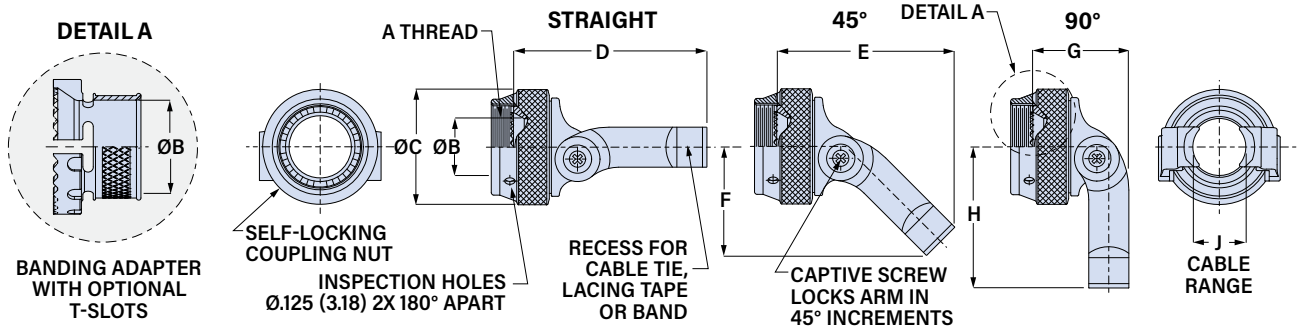
Shielded, self-locking, adjustable arms. 871H005 Swing-Arm Flex Clamp fits MIL-DTL-38999 Series III and IV connectors. Aluminum coupling nut and body, flex arms are high strength thermoplastic. Adjustable arms pivot to 0°, 45° or 90° positions. includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

PART NUMBER

	871H005	M	19	S	K
Base P/N	871H005				
Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc				
Shell Size	Shell Size: 9 (A), 11 (B), 13 (C), 15 (D), 17 (E), 19 (F), 21 (G), 23 (H), 25 (J) Size Code: 09, 11, 13, 15, 17, 19, 21, 23, 25				
Banding Adapter Slots	*Omit if not required. See Detail A.* **S** "T" Slots in Banding Adapter for Shield Pigtails				
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp				

FIGURE 1
FINISH CODE *NFS*





Shell Size	A Thread	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
9 (A)	M12X1.0-6H	.178	4.5	.812	20.6	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
11 (B)	M15X1.0-6H	.305	7.8	.938	23.8	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
13 (C)	M18X1.0-6H	.404	10.3	1.125	28.6	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
15 (D)	M22X1.0-6H	.565	14.4	1.250	31.8	2.08	52.8	1.88	47.8	1.16	29.5	1.05	26.7	1.50	38.1	.710	18.0	.210	5.3
17 (E)	M25X1.0-6H	.658	16.7	1.375	34.9	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
19 (F)	M28X1.0-6H	.777	19.7	1.500	38.1	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.74	44.2	.934	23.7	.277	7.0
21 (G)	M31X1.0-6H	.877	22.3	1.625	41.3	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
23 (H)	M34X1.0-6H	.999	25.4	1.750	44.5	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9
25 (J)	M37X1.0-6H	1.127	28.6	1.875	47.6	2.96	75.2	2.75	69.9	1.84	46.7	1.46	37.1	2.41	61.2	1.323	33.6	.380	9.7

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Pre-Coiled MicroBand
601-065

Pre-Coiled Slim MicroBand
601-603

MATERIAL/FINISH

Coupling nut, body, banding adapter: aluminum
Flex arms: high-strength thermoplastic
Screws, washers, inserts: sst/passivated
Anti-decoupling springs: thermoplastic
Band (optional): stainless steel/ passivated

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

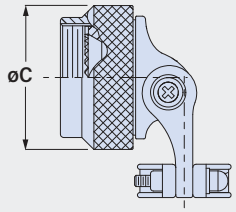
870M001 Swing-Arm Saddle Clamp

Self-Locking

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

ALUMINUM AND SST VERSIONS

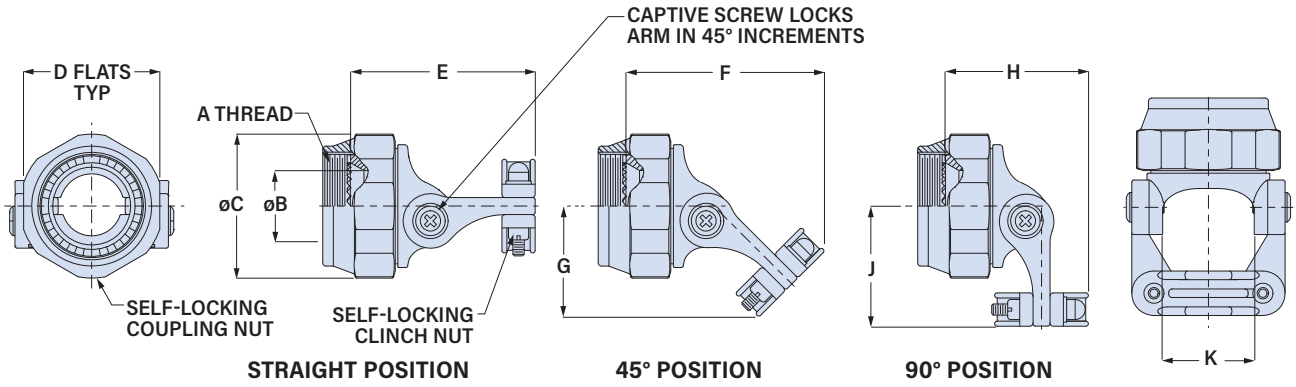


Aluminum and stainless steel versions have round knurled coupling nuts.

Self-locking, adjustable arms. 870M001 Swing-Arm saddle clamp fits Glenair Series 80 Mighty Mouse connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threaded inserts to withstand high vibration. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Available in composite, aluminum or stainless steel.

PART NUMBER

	870M001	XB	22	B
Base P/N	**870M001**			
Material/Finish	*Composite* **XB** No Finish (Black) *Aluminum* **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFR **TZ** Tin-Zinc **ZR** Black Zinc-Nickel *Stainless Steel* **Z1** Passivated			
Size Code	**07 08 09 10 11 12 13 14 16 17** *See table below for size code*			
Clamp Size	**A** Standard Clamp **B** Large Clamp			



Size Code	Shell Size: Series 800,801 803,804	Shell Size: Series 805	A Thread UNEF-2B	C Flats: Øb Min	C Flats: Max	C Flats: Min	Ød Max	E Max	F Max	G Max	H Max	J Max	K Ref	Strain Relief Option: "A" - Standard: L Max	"A" - Standard: M Min	"A" - Standard: N Ref	"B" - Wide Mouth: P Max	"B" - Wide Mouth: R Min	"B" - Wide Mouth: S Ref
11	-	8	3/8-32	0.264	0.750	0.736	0.812	1.43	1.35	0.78	0.91	0.87	0.393	0.98	0.22	0.265	0.98	0.33	0.356
07	7	9	7/16-28	0.264	0.750	0.736	0.812	1.43	1.35	0.78	0.91	0.87	0.393	0.98	0.22	0.265	0.98	0.33	0.356
08	8	10	1/2-28	0.264	0.750	0.736	0.812	1.43	1.35	0.78	0.91	0.87	0.393	0.98	0.22	0.265	0.98	0.33	0.356
09	9	11	9/16-24	0.390	0.875	0.860	0.938	1.50	1.45	0.87	0.94	0.96	0.455	1.05	0.27	0.310	1.20	0.45	0.422
10	10	12	5/8-24	0.390	0.875	0.860	0.938	1.50	1.45	0.87	0.94	0.96	0.455	1.05	0.27	0.310	1.20	0.45	0.422
12	11/12/13	13	11/16-24	0.504	1.000	0.980	1.125	1.56	1.60	0.97	1.12	1.03	0.598	1.20	0.35	0.422	1.45	0.62	0.637
13	-	15	3/4-20	0.504	1.000	0.980	1.125	1.56	1.60	0.97	1.12	1.03	0.598	1.20	0.35	0.422	1.45	0.62	0.637
14	14/15/16/17	18/19	15/16-20	0.756	1.250	1.224	1.375	1.66	1.78	1.09	1.29	1.16	0.839	1.44	0.55	0.590	1.60	0.80	0.759
16	19	21	1 1/16-18	0.843	1.375	1.348	1.500	1.66	1.86	1.14	1.39	1.22	0.934	1.56	0.62	0.660	1.73	0.90	0.841
17	21	23	1 3/16-18	0.969	1.500	1.469	1.625	1.81	2.02	1.24	1.50	1.29	1.068	1.69	0.70	0.744	1.95	1.05	0.996

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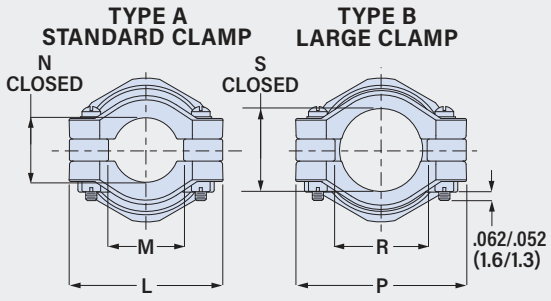
Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M001 Swing-Arm Saddle Clamp

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Size Code	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Size Code	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
11	.98	24.9	.22	5.6	.265	6.7	11	.98	24.9	.33	8.4	.356	9.0
07	.98	24.9	.22	5.6	.265	6.7	07	.98	24.9	.33	8.4	.356	9.0
08	.98	24.9	.22	5.6	.265	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	1.05	26.7	.27	6.9	.310	7.9	09	1.20	30.5	.45	11.4	.422	10.7
10	1.05	26.7	.27	6.9	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
13	1.20	30.5	.35	8.9	.422	10.7	13	1.45	36.8	.62	15.7	.637	16.2
14	1.44	36.6	.55	14.0	.590	15.0	14	1.60	40.6	.80	20.3	.759	19.3
16	1.56	39.6	.62	15.7	.660	16.8	16	1.73	43.9	.90	22.9	.841	21.4
17	1.69	42.9	.70	17.8	.744	18.9	17	1.95	49.5	1.05	26.7	.996	25.3

MATERIAL/FINISH

Composite *(Code XB)*
- **Coupling nut, body, arms, saddles:** polyetherimide (PEI), unplated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** stainless steel, silver plated

Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated.
  Code NF: stainless steel/ olive drab cadmium

Stainless Steel *(Code Z1)*
- **Coupling nut, body, arms, saddles:** SST
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** stainless steel
- **Clinch Nuts:** stainless steel, silver plated

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M002 Swing-Arm Saddle Clamp, Braid Sock, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870M002 composite Swing-Arm saddle clamp fits Glenair Series 80 Mighty Mouse connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant glass-reinforced thermoplastic meets AS85049 requirements. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code M

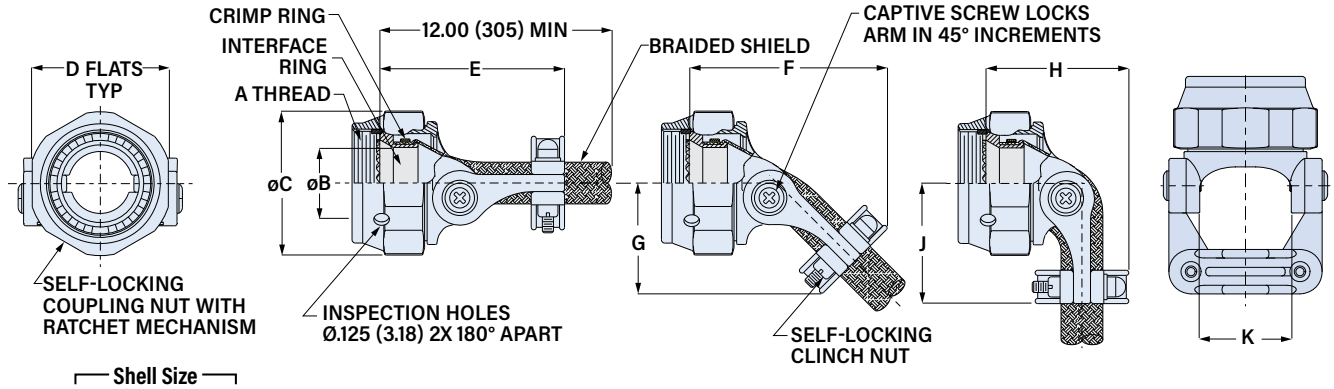
This accessory fits Series 80 Mighty Mouse Connectors

TABLE 1
INTERFACE RING MATERIAL / FINISH

Aluminum	
M	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

	870M002	BM	12	A	N	J	14
Base P/N	**870M002**						
Interface Ring Material/Finish	*See Table 1*						
Shell Size	**07 08 09 10 12 13 14 16 17** *See table below for size code*						
Clamp Size	*See Clamp Dimensions on next page* **A** Standard Clamp **B** Large Clamp						
Braid Type	**N** 34 AWG Nickel/Copper Braid **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** Microfilament ArmorLite® Nickel/SST Braid						
Splice Ring and Band	*Omit if not required* **K** Splice ring and standard band **J** Splice ring and slim standard band						
Braid Length	*Omit for standard 12 inch length* **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.						



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Min in	øB Min mm	øC Max in	øC Max mm	D Flats Max in	D Flats Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
07	7	9	0.4375-28	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
08	8	10	0.500-28	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
09	9	11	0.5625-24	.392	10.0	.938	23.8	.875	22.2	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
10	10	12	0.625-24	.392	10.0	.938	23.8	.875	22.2	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12	11, 12, 13	13	0.6875-24	.506	12.9	1.125	28.6	1.000	25.4	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
13	N/A	15	0.750-20	.506	12.9	1.125	28.6	1.000	25.4	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14	14, 15, 16, 17	18, 19	0.9375-20	.756	19.2	1.375	34.9	1.250	31.8	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
16	19	21	1.0625-18	.844	21.4	1.500	38.1	1.375	34.9	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
17	21	23	1.1875-18	.970	24.6	1.625	41.3	1.500	38.1	1.73	43.9	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1

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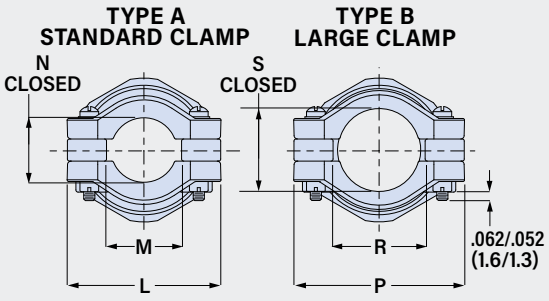
Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M002 Swing-Arm Saddle Clamp, Braid Sock, Composite

CLAMP DIMENSIONS

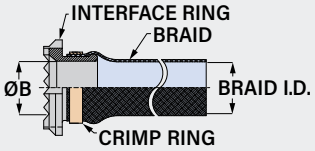


Size Code	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
07	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
09	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
13	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
16	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
17	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3

MATERIAL/FINISH

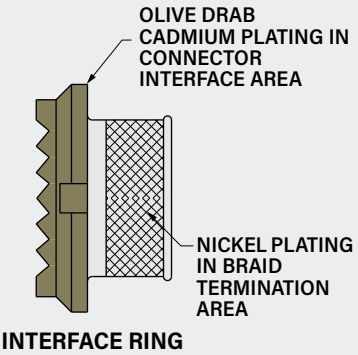
Coupling nut, body, arms, saddles: polyetherimide (PEI)/unplated
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
interface ring: brass or aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Clinch Nuts: stainless steel/silver
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Size Code	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
07	.264	6.7	.375	9.53
08	.264	6.7	.375	9.53
09	.392	10.0	.375	9.53
10	.392	10.0	.375	9.53
12	.506	12.9	.500	12.70
13	.506	12.9	.500	12.70
14	.756	19.2	.781	19.84
16	.844	21.4	1.000	25.40
17	.970	24.6	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

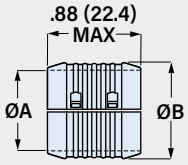
Splice Ring

Band

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Size Code	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
07, 08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09, 10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
13	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
14	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
16	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
17	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2



687-207
SPLICE RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

Self-Locking

Shielded, self-locking, adjustable arms. 870M003 stainless steel or aluminum Swing-Arm saddle clamp fits Glenair Series 80 Mighty Mouse connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

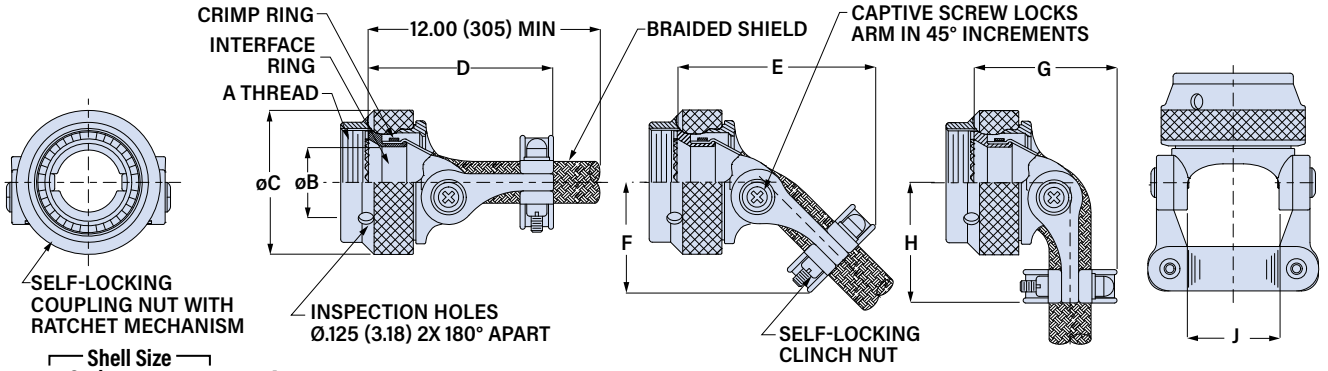
TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
NF	Olive drab cadmium, selective (fig. 1)
MT	Nickel-PTFE
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

PART NUMBER

	870M003	M	12	B	L	K	14

Base P/N	**870M003**
Material/Finish	*See Table 1*
Shell Size	**07 08 09 10 12 13 14 16 17** *See table below for size code*
Clamp Size	*See Clamp Dimensions on next page* **A** Standard Clamp **B** Large Clamp
Braid Type	**N** 34 AWG Nickel/Copper Braid **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** Microfilament ArmorLite® Nickel/SST Braid
Splice Ring and Band	*Omit if not required. See "Splice Ring and Band" on next page.* **K** Splice ring and standard band **J** Splice ring and slim standard band
Braid Length	*Omit for standard 12 inch length* **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	B Min in	B Min mm	øC Max in	øC Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
07	7	9	0.4375-28	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
08	8	10	0.500-28	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
09	9	11	0.5625-24	.392	10.0	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
10	10	12	0.625-24	.392	10.0	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12	11, 12, 13	13	0.6875-24	.506	12.9	1.125	28.6	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
13	N/A	15	0.750-20	.506	12.9	1.125	28.6	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14	14, 15, 16, 17	18, 19	0.9375-20	.756	19.2	1.375	34.9	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
16	19	21	1.0625-18	.844	21.4	1.500	38.1	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
17	21	23	1.1875-18	.970	24.6	1.625	41.3	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1

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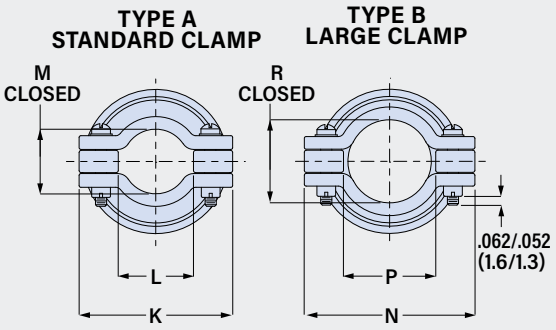
Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

CLAMP DIMENSIONS



Size Code	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
07	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
09	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
13	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
16	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
17	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3

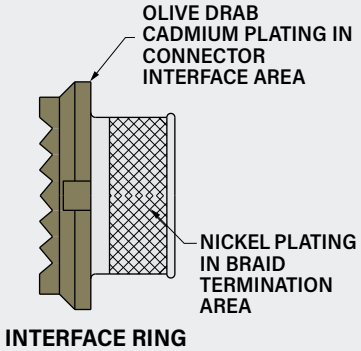
MATERIAL/FINISH

Aluminum ***(Codes M, MT, NF, TZ, ZR)***
- **Coupling nut, body, arms, saddles, interface ring:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling spring:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF: stainless steel/ olive drab cadmium

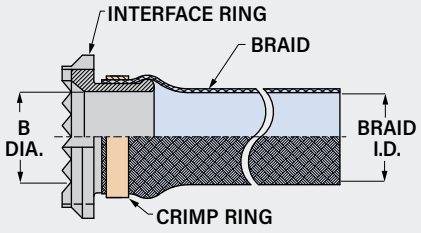
Stainless Steel ***(Codes BM, BMT, Z1, ZM)***
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Clinch nuts:** stainless steel, silver plated
- **interface ring:** brass (codes BM, BMT) or stainless steel (Z1, ZM)

Braid:
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand®*** ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite®*** lightweight microfilament nickel-coated 316L stainless steel

FIGURE 1
NF SELECTIVE FINISH



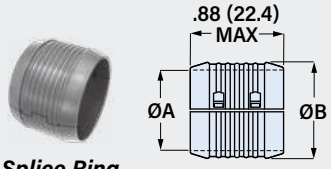
INTERFACE RING AND BRAID



Size Code	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
07	.264	6.7	.375	9.53
08	.264	6.7	.375	9.53
09	.392	10.0	.375	9.53
10	.392	10.0	.375	9.53
12	.506	12.9	.500	12.70
13	.506	12.9	.500	12.70
14	.756	19.2	.781	19.84
16	.844	21.4	1.000	25.40
17	.970	24.6	1.000	25.40

SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool. ***Slim Standard Band*** is 50% lighter weight than standard band with no reduction in strength.



Splice Ring

687-207
SPLICE RING

Band

Standard Band Tool
601-100

Slim Standard Band Tool
601-109

Size Code	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
07, 08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09, 10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
13	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
14	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
16	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
17	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870M004 Swing-Arm saddle clamp fits Glenair Series 80 Mighty Mouse connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

FIGURE 1
FINISH CODES *NFS*, *BNS*

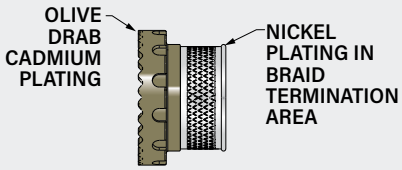


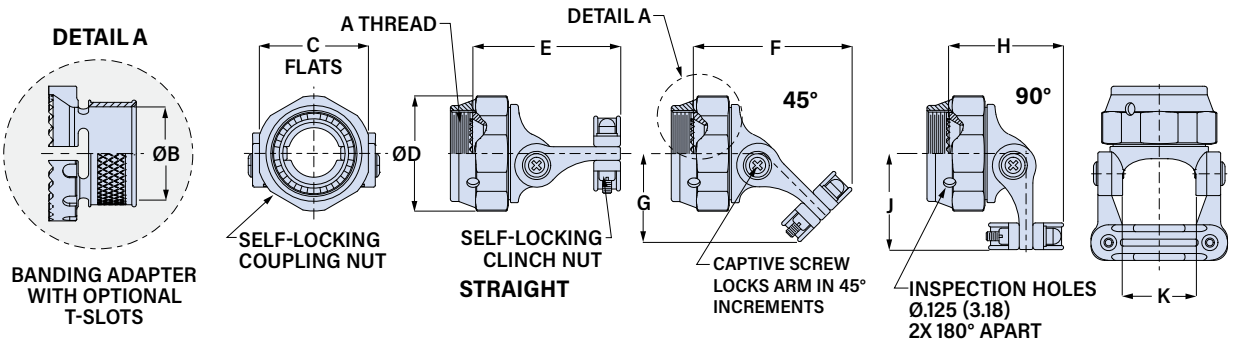
FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

870M004	M	12	A	S	K

Base P/N	**870M004**
Banding Adapter Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc **BM** Brass/Electroless Nickel **BN** Brass/Olive Drab Cadmium **BNS** Brass/O.D. Cadmium, selective (fig. 1) **BMT** Brass/Nickel-PTFE
Shell Size	**07 08 09 10 12 13 14 16 17** *See table below for size code*
Clamp Size	**A** Standard Clamp **B** Large Clamp
Banding Adapter Slots	*Omit if not required. See Figure 2.* **S** "T" Slots in Banding Adapter for Shield Pigtails
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	B Min in	B Min mm	C Flats Max in	C Flats Max mm	øD Max in	øD Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
07	7	9	0.4375-28	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
08	8	10	0.500-28	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
09	9	11	0.5625-24	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
10	10	12	0.625-24	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
12	11, 12, 13	13	0.6875-24	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67	42.4	.93	23.6	1.17	29.7	1.03	26.2	.598	15.2
13	N/A	15	0.750-20	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67	42.4	.93	23.6	1.17	29.7	1.03	26.2	.598	15.2
14	14, 15, 16, 17	18, 19	0.9375-20	.631	16.0	1.250	31.8	1.375	34.9	1.77	45.0	1.89	48.0	1.09	27.7	1.40	35.6	1.16	29.5	.839	21.3
16	19	21	1.0625-18	.748	19.0	1.375	34.9	1.500	38.1	1.77	45.0	1.96	49.8	1.14	29.0	1.50	38.1	1.22	31.0	.934	23.7
17	21	23	1.1875-18	.877	22.3	1.500	38.1	1.625	41.3	1.92	48.8	2.11	53.6	1.22	31.0	1.57	39.9	1.29	32.8	1.068	27.1

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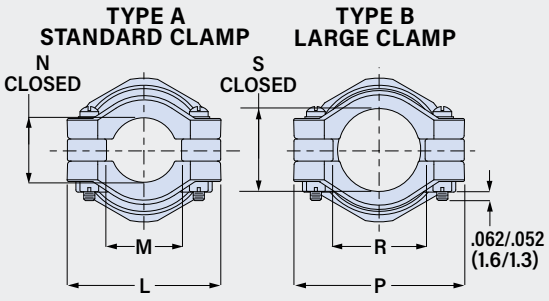
Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Size Code	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Size Code	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
07	.98	24.9	.22	5.6	.265	6.7	07	.98	24.9	.33	8.4	.356	9.0
08	.98	24.9	.22	5.6	.265	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	1.05	26.7	.27	6.9	.310	7.9	09	1.20	30.5	.45	11.4	.422	10.7
10	1.05	26.7	.27	6.9	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
13	1.20	30.5	.35	8.9	.422	10.7	13	1.45	36.8	.62	15.7	.637	16.2
14	1.44	36.6	.55	14.0	.590	15.0	14	1.60	40.6	.80	20.3	.759	19.3
16	1.56	39.6	.62	15.7	.660	16.8	16	1.73	43.9	.90	22.9	.841	21.4
17	1.69	42.9	.70	17.8	.744	18.9	17	1.95	49.5	1.05	26.7	.996	25.3

MATERIAL/FINISH

Coupling nut, body, arms, saddles: polyetherimide (PEI)/ unplated black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Banding adapter: aluminum alloy or brass
Band (optional): stainless steel/ passivated
Clinch Nuts: stainless steel/ silver plated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
07 – 12	601-061	601-601	8.125	206	.88	22.4
13 – 17	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

Self-Locking

Shielded, self-locking, adjustable arms. 870M005 aluminum or stainless steel Swing-Arm saddle clamp fits Glenair Series 80 Mighty Mouse connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

PART NUMBER

	870M005	M	13	A	S	K
Base P/N	870M005					
Material/Finish	*See Table 1*					
Shell Size	07 08 09 10 12 13 14 16 17 *See table below for size code*					
Clamp Size	A Standard Clamp B Large Clamp					
Banding Adapter Slots	*Omit if not required. See Figure 2.* S "T" Slots in Banding Adapter for Shield Pigtails					
Band	*Omit if not required.* K Pre-Coiled Micro Band included With Clamp J Pre-Coiled Slim Micro Band included With Clamp					

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
MT	Nickel-PTFE
NF	Olive drab cadmium
NFS	Olive drab cadmium, selective (fig. 1)
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

FIGURE 1
MATERIAL/ FINISH CODE *NFS*

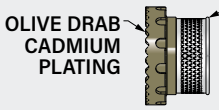
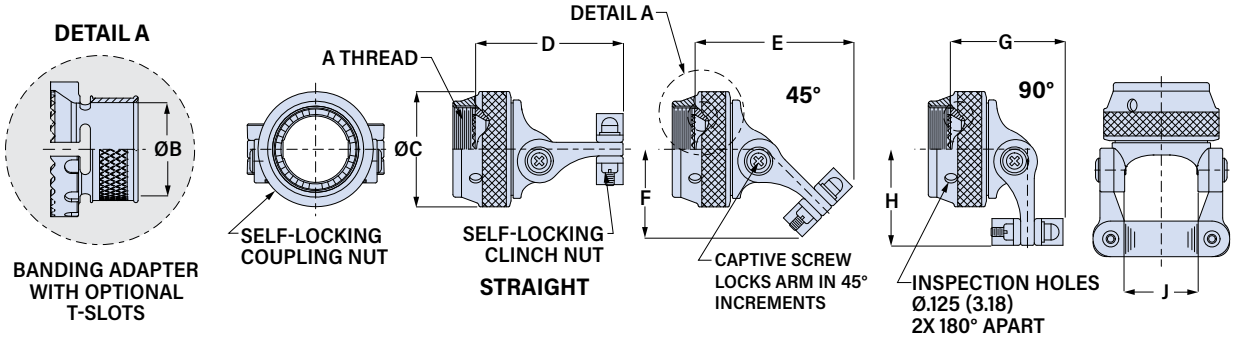


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	B Min in	B Min mm	øC Max in	øC Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
07	7	9	0.4375-28	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
08	8	10	0.500-28	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
09	9	11	0.5625-24	.305	7.7	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
10	10	12	0.625-24	.305	7.7	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
12	11, 12, 13	13	0.6875-24	.404	10.3	1.125	28.6	1.66	42.2	1.71	43.4	.97	24.6	1.22	31.0	1.03	26.2	.598	15.2
13	N/A	15	0.750-20	.404	10.3	1.125	28.6	1.66	42.2	1.71	43.4	.97	24.6	1.22	31.0	1.03	26.2	.598	15.2
14	14, 15, 16, 17	18, 19	0.9375-20	.631	16.0	1.375	34.9	1.77	45.0	1.88	47.8	1.08	27.4	1.38	35.1	1.16	29.5	.839	21.3
16	19	21	1.0625-18	.748	19.0	1.500	38.1	1.77	45.0	1.96	49.8	1.13	28.7	1.49	37.8	1.22	31.0	.934	23.7
17	21	23	1.1875-18	.877	22.3	1.625	41.3	1.92	48.8	2.13	54.1	1.24	31.5	1.61	40.9	1.29	32.8	1.068	27.1

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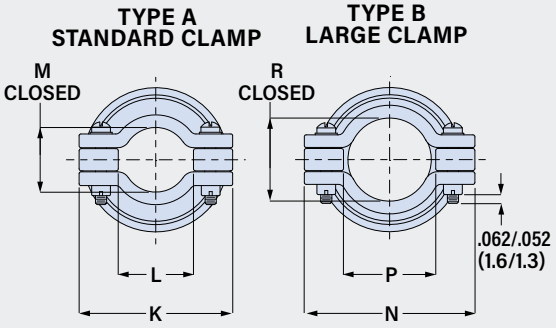
Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

CLAMP DIMENSIONS



Size Code	Standard Clamp K Max in	K Max mm	L Min in	L Min mm	M Ref. in	M Ref. mm	Shell Size	Large Clamp N Max in	N Max mm	P Min in	P Min mm	R Ref. in	R Ref. mm
07	.97	24.6	.22	5.6	.264	6.7	07	.98	24.9	.33	8.4	.356	9.0
08	.97	24.6	.22	5.6	.264	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	1.03	26.2	.29	7.4	.310	7.9	09	1.20	30.5	.45	11.4	.422	10.7
10	1.03	26.2	.29	7.4	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.21	30.7	.34	8.6	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
13	1.21	30.7	.34	8.6	.422	10.7	13	1.45	36.8	.62	15.7	.637	16.2
14	1.45	36.8	.55	14.0	.590	15.0	14	1.60	40.6	.80	20.3	.759	19.3
16	1.54	39.1	.65	16.5	.660	16.8	16	1.73	43.9	.90	22.9	.841	21.4
17	1.67	42.4	.74	18.8	.744	18.9	17	1.95	49.5	1.05	26.7	.996	25.3

MATERIAL/FINISH

Aluminum *(Codes M, MT, NF, NFS TZ, ZR)*
- **Coupling nut, body, arms, saddles**: aluminum
- **Screws, washers, inserts**: stainless steel/ passivated
- **Anti-decoupling springs**: thermoplastic
- **Clinch nuts**: Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF, NFS: stainless steel/ olive drab cadmium
- **Banding adapter**: aluminum
- **Band (optional)**: stainless steel/ passivated

Stainless Steel *(Codes BM, BMT, Z1, ZM)*
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts**: stainless steel, passivated
- **Clinch nuts**: stainless steel, silver plated
- **Banding adapter**:
  - Code BM: brass/ electroless nickel
  - Code BMT: brass/ nickel-PTFE
  - Code Z1: stainless steel/ passivated
  - Code ZM: stainless steel/ electroless nickel
- **Band (optional)**: stainless steel/ passivated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
07 – 12	601-061	601-601	8.125	206	.88	22.4
13 – 17	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

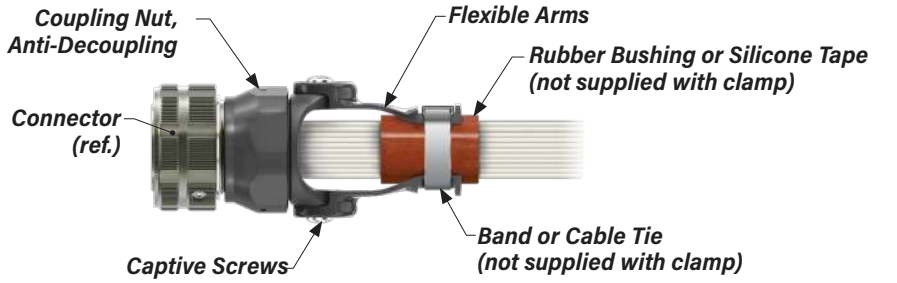
871M001 Swing-Arm Flex Clamp

Self-Locking

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Lightweight, self-locking, flexible arms. 871M001 Swing-Arm Flex Clamp fits Glenair Series 80 Mighty Mouse connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Use banding strap or cable tie to secure arms to wire bundle. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Clamp and coupling nut are composite or aluminum, flex arms are PEEK. Passivated SST hardware.

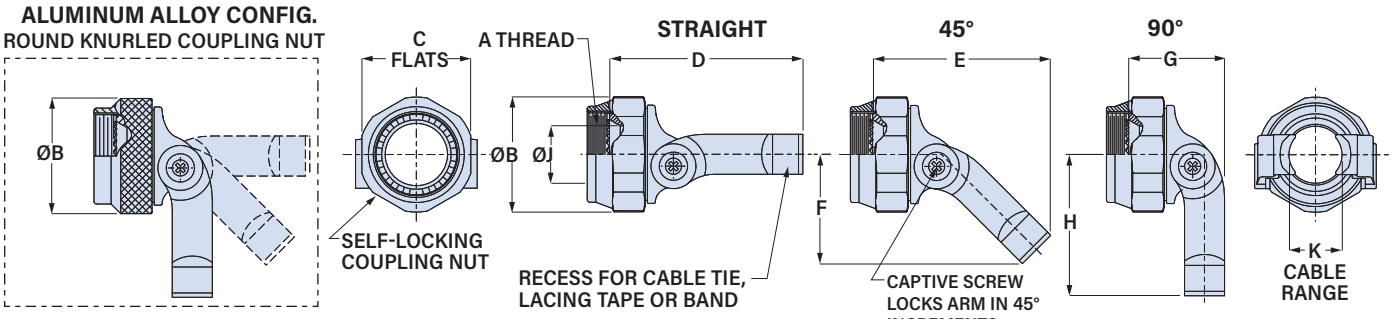


MATERIAL/FINISH

Body, coupling nut :
Code XB: polyetherimide, black
Codes M, MT, NF, TZ, ZR: aluminum alloy
Arms: PEEK, black
Hardware: stainless steel
Anti-decoupling spring: thermoplastic

PART NUMBER

	871M001	XB	12
Base P/N	871M001		
Material/Finish	*Composite* XB No Finish (Black) *Aluminum* M Electroless Nickel NF Olive Drab Cadmium MT Nickel-PTFR TZ Tin-Zinc ZR Black Zinc-Nickel	*Material/Finish Code applies to coupling nut and clamp body. Flex arms are black thermoplastic.*	
Shell Size	07 09 12 14 16 17 *See table below for size code*		



Shell Size																				K Ref.			
Size Code	Series 800, 801, 803, 804	Series 805	A Thread UNEF-2B	øB Max in	øB Max mm	C Flats Max in	C Flats Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Min. in	J Min. mm	Max in	Max mm	Min in	Min mm
07	7	9	0.4375-28	.812	20.6	.750	19.1	1.69	42.9	1.46	37.1	.87	22.1	.85	21.6	1.12	28.4	.264	6.7	.393	10.0	.098	2.5
09	9	11	0.5625-24	.938	23.8	.875	22.2	1.69	42.9	1.46	37.1	.89	22.6	.85	21.6	1.15	29.2	.390	9.9	.455	11.6	.121	3.1
12	11, 12, 13	13	0.6875-24	1.125	28.6	1.000	25.4	1.97	50.0	1.77	45.0	1.10	27.9	.94	23.9	1.44	36.6	.504	12.8	.598	15.2	.157	4.0
14	14, 15, 16, 17	18, 19	0.9375-20	1.375	34.9	1.250	31.8	2.18	55.4	2.02	51.3	1.28	32.5	1.10	27.9	1.68	42.7	.756	19.2	.839	21.3	.246	6.2
16	19	21	1.0625-18	1.500	38.1	1.375	34.9	2.18	55.4	2.02	51.3	1.35	34.3	1.10	27.9	1.74	44.2	.843	21.4	.934	23.7	.277	7.0
17	21	23	1.1875-18	1.625	41.3	1.500	38.1	2.64	67.1	2.43	61.7	1.63	41.4	1.26	32.0	2.12	53.8	.969	24.6	1.068	27.1	.313	8.0

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

871M002 Swing-Arm Flex Clamp with Braid Sock, Composite

Self-Locking

Shielded. Lightweight. Self-locking. Adjustable arms. 871M002 Swing-Arm Flex Clamp fits Glenair Series 80 Mighty Mouse connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant high performance thermoplastic meets AS85049 requirements. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code M

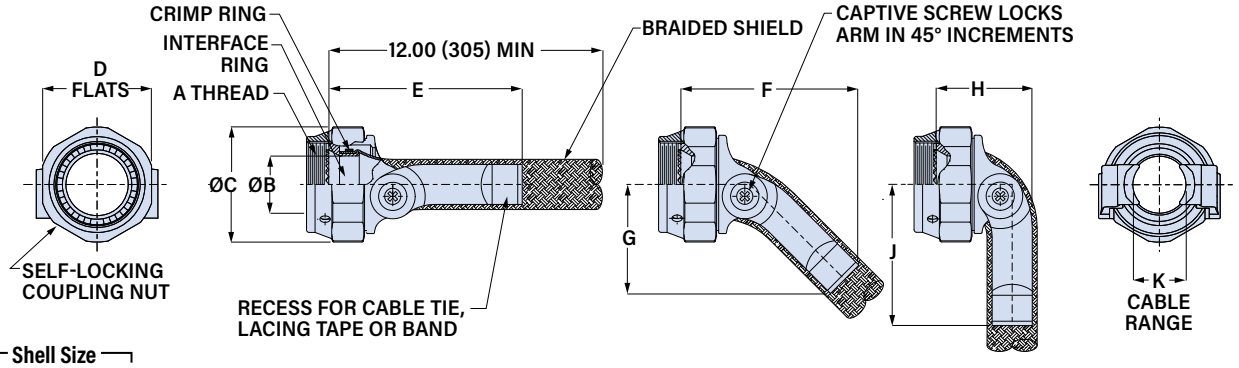
This accessory fits Series 80 Mighty Mouse Connectors

TABLE 1
INTERFACE RING MATERIAL/ FINISH

Aluminum	
M	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

	871M002	BM	12	N	J	14
Base P/N	871M002					
Interface Ring Material /Finish	*See Table 1*					
Shell Size	07 08 09 10 12 13 14 16 17 *See table below for size code*					
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L ArmorLite® Microfilament Nickel/SST Braid					
Splice Ring and Band	*Omit if not required* K Splice ring and standard band J Splice ring and slim standard band					
Braid Length	*Omit for standard 12 inch length* 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.					



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	ø B ± .015 (0.4) in	ø B ± .015 (0.4) mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
07	7	9	0.4375-28	.264	6.7	.812	20.6	.750	19.1	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
08	8	10	0.500-28	.264	6.7	.812	20.6	.750	19.1	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
09	9	11	0.5625-24	.392	10.0	.938	23.8	.875	22.2	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
10	10	12	0.625-24	.392	10.0	.938	23.8	.875	22.2	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12	11, 12, 13	13	0.6875-24	.506	12.9	1.125	28.6	1.000	25.4	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
13	N/A	15	0.750-20	.506	12.9	1.125	28.6	1.000	25.4	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
14	14, 15, 16, 17	18, 19	0.9375-20	.756	19.2	1.375	34.9	1.250	31.8	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
16	19	21	1.0625-18	.844	21.4	1.500	38.1	1.375	34.9	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
17	21	23	1.1875-18	.970	24.6	1.625	41.3	1.500	38.1	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0

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Swing-Arm® Clamps

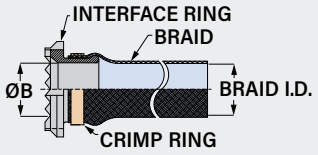
for Series 80 Mighty Mouse Connectors

871M002 Swing-Arm Flex Clamp with Braid Sock, Composite

MATERIAL/FINISH

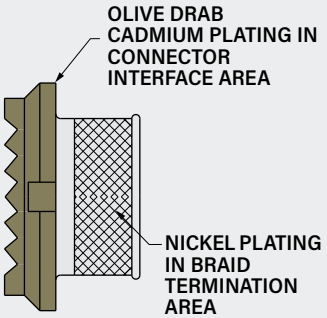
Coupling nut, body: polyetherimide (PEI)/ unplated, black
Flex arms: PEEK (PEI)/unplated, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling spring: thermoplastic
Interface ring: brass or aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Size Code	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
07	.262	6.7	.375	9.53
08	.262	6.7	.375	9.53
09	.391	9.9	.375	9.53
10	.391	9.9	.375	9.53
12	.505	12.8	.500	12.70
13	.505	12.8	.500	12.70
14	.757	19.2	.781	19.84
16	.843	21.4	1.000	25.40
17	.969	24.6	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

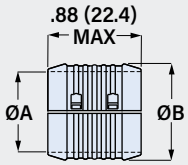
Splice Ring

Band

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. Install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Size Code	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
07, 08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09, 10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
13	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
14	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
16	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
17	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2



687-207
SPLICE RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

871M003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

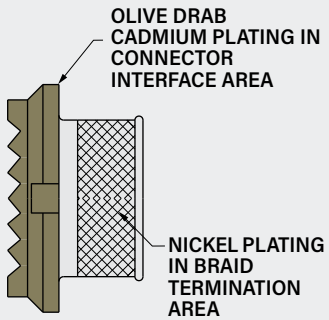
Self-Locking

Shielded. Lightweight. Self-locking. Adjustable arms. 871M003 Swing-Arm Flex Clamp has aluminum coupling nut and body with thermoplastic flex arms. Fits Glenair Series 80 Mighty Mouse connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code M

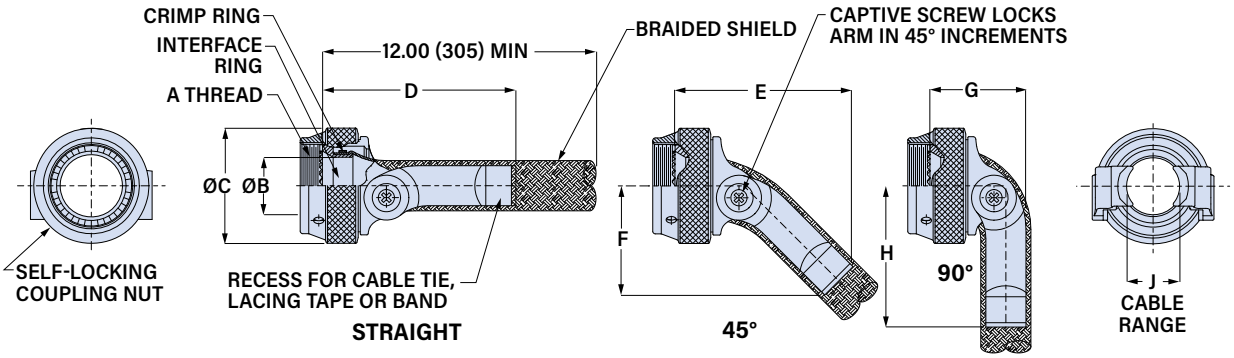
This accessory fits Series 80 Mighty Mouse Connectors

FIGURE 1
NF SELECTIVE FINISH



PART NUMBER

	871M003	M	12	N	J	14
Base P/N	871M003					
Material/Finish	**M** Electroless Nickel **NF** O. D. Cadmium, Selective (Figure 1) **MT** Nickel-PTFE **TZ** Tin-Zinc **ZR** Black Zinc-Nickel					
Shell Size	**07 08 09 10 12 13 14 16 17** *See table below for size code*					
Braid Type	**N** 34 AWG Nickel/Copper Braid **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** ArmorLite® Microfilament Nickel/SST Braid					
Splice Ring and Band	*Omit if not required* **K** Splice ring and standard band **J** Splice ring and slim standard band					
Braid Length	*Omit for standard 12 inch length* **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.					



Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
07	9	0.4375-28	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
08	10	0.500-28	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
09	11	0.5625-24	.392	10.0	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
10	12	0.625-24	.392	10.0	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12	13	0.6875-24	.506	12.9	1.125	28.6	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
N/A	15	0.750-20	.506	12.9	1.125	28.6	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
14, 15, 16, 17	18, 19	0.9375-20	.756	19.2	1.375	34.9	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
19	21	1.0625-18	.844	21.4	1.500	38.1	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
21	23	1.1875-18	.970	24.6	1.625	41.3	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

871M003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

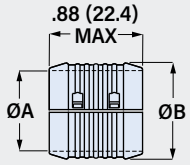
Splice Ring

Band

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. Install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Size Code	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
07, 08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09, 10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
13	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
14	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
16	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
17	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2



687-207
SPLICE RING

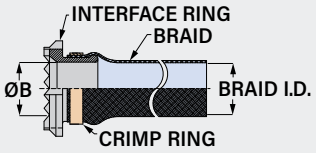
Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

MATERIAL/FINISH

Coupling nut, body: aluminum
Flex arms: PEEK (PEI)/unplated, black
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
Interface ring: aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Size Code	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
07	.26	6.7	.375	9.53
08	.26	6.7	.375	9.53
09	.39	9.9	.375	9.53
10	.39	9.9	.375	9.53
12	.51	12.8	.500	12.70
13	.51	12.8	.500	12.70
14	.76	19.2	.781	19.84
16	.84	21.4	1.000	25.40
17	.94	23.9	1.000	25.40

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

871M004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 871M004 Swing-Arm Flex Clamp fits Glenair Series 80 Mighty Mouse connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

FIGURE 1
FINISH CODES *NFS*, *BNS*

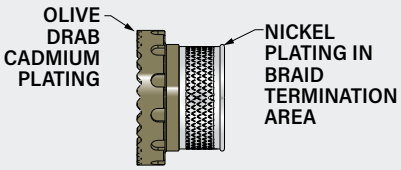
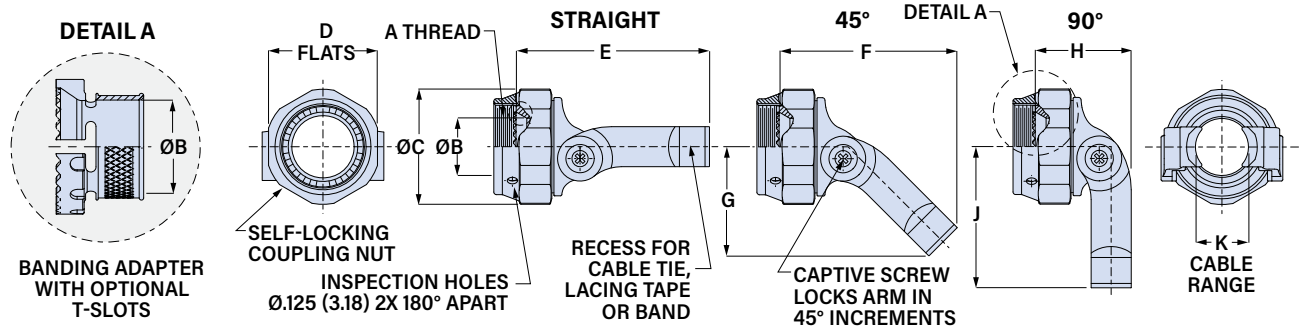


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

	871M004	M	12	S	K
Base P/N	871M004				
Banding Adapter Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc **BM** Brass/Electroless Nickel **BN** Brass/Olive Drab Cadmium **BNS** Brass/O.D. Cadmium, selective (fig. 1) **BMT** Brass/Nickel-PTFE				
Shell Size	**07 08 09 10 12 13 14 16 17** *See table below for size code*				
Banding Adapter Slots	*Omit if not required. See Figure 2* **S** "T" Slots in Banding Adapter for Shield Pigtails				
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp				



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Min in	øB Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
07	7	9	0.4375-28	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
08	8	10	0.500-28	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
09	9	11	0.5625-24	.305	7.7	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
10	10	12	0.625-24	.305	7.7	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
12	11, 12, 13	13	0.6875-24	.404	10.3	1.125	28.6	1.000	25.4	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
13	N/A	15	0.750-20	.404	10.3	1.125	28.6	1.000	25.4	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	14, 15, 16, 17	18, 19	0.9375-20	.658	16.7	1.375	34.9	1.250	31.8	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
16	19	21	1.0625-18	.748	19.0	1.500	38.1	1.375	34.9	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.74	44.2	.934	23.7	.277	7.0
17	21	23	1.1875-18	.877	22.3	1.625	41.3	1.500	38.1	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

871M004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

MATERIAL/FINISH

Coupling nut, body, arms: thermoplastic, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Interface ring: aluminum alloy or brass
Band (optional): stainless steel/ passivated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
07 – 12	601-061	601-601	8.125	206	.88	22.4
13 – 17	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

871M005 Swing-Arm Flex Clamp, EMI Banding Adapter, Aluminum

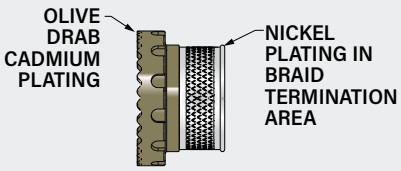
Self-Locking

Shielded, self-locking, adjustable arms. 871M005 Swing-Arm Flex Clamp has aluminum coupling nut and body, flex arms are high strength thermoplastic. Fits Glenair Series 80 Mighty Mouse connectors. Adjustable arms pivot to 0°, 45° or 90° positions. includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled microband. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code M

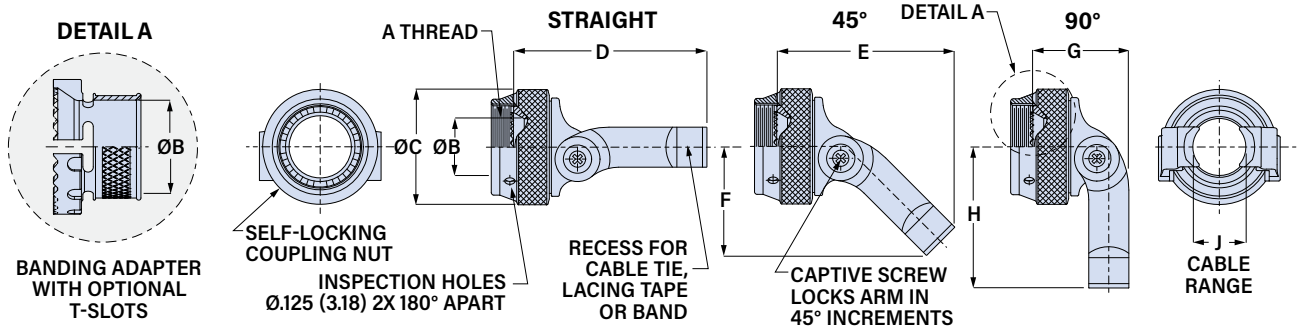
This accessory fits Series 80 Mighty Mouse Connectors

FIGURE 1
FINISH CODE *NFS*



PART NUMBER

	871M005	M	12	S	K
Base P/N	871M005				
Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc				
Shell Size	**07 08 09 10 12 13 14 16 17** *See table below for size code*				
Banding Adapter Slots	*Omit if not required. See Detail A.* **S** "T" Slots in Banding Adapter for Shield Pigtails				
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp				



Shell Size: Size Code	Series 800, 801, 803, 804	Series 805	A Thread UNEF-2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
07	7	9	0.4375-28	.178	4.5	.812	20.6	1.80	45.7	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
08	8	10	0.500-28	.178	4.5	.812	20.6	1.80	45.7	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
09	9	11	0.5625-24	.305	7.7	.938	23.8	2.08	52.8	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
10	10	12	0.625-24	.305	7.7	.938	23.8	2.08	52.8	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
12	11, 12, 13	13	0.6875-24	.404	10.3	1.125	28.6	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
13	N/A	15	0.750-20	.404	10.3	1.125	28.6	2.29	58.2	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	14, 15, 16, 17	18, 19	0.9375-20	.658	16.7	1.375	34.9	2.28	57.9	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
16	19	21	1.0625-18	.748	19.0	1.500	38.1	2.75	69.9	2.13	54.1	1.35	34.3	1.21	30.7	1.74	44.2	.934	23.7	.277	7.0
17	21	23	1.1875-18	.877	22.3	1.625	41.3	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Pre-Coiled MicroBand
601-065

Pre-Coiled Slim MicroBand
601-603

MATERIAL/FINISH

Coupling nut, body, interface ring: aluminum
Flex arms: high-strength thermoplastic
Screws, washers, inserts: sst/passivated
Anti-decoupling springs: thermoplastic
Interface ring: aluminum alloy or brass
Band (optional): stainless steel/ passivated

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V001 Swing-Arm Saddle Clamp

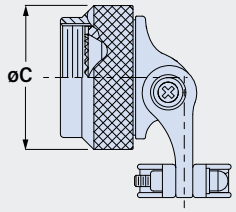
Self-Locking

Self-locking, adjustable arms. 870V001 Swing-Arm saddle clamp fits Glenair Series 806 Mil-Aero connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threaded inserts to withstand high vibration. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Available in composite, aluminum or stainless steel.

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

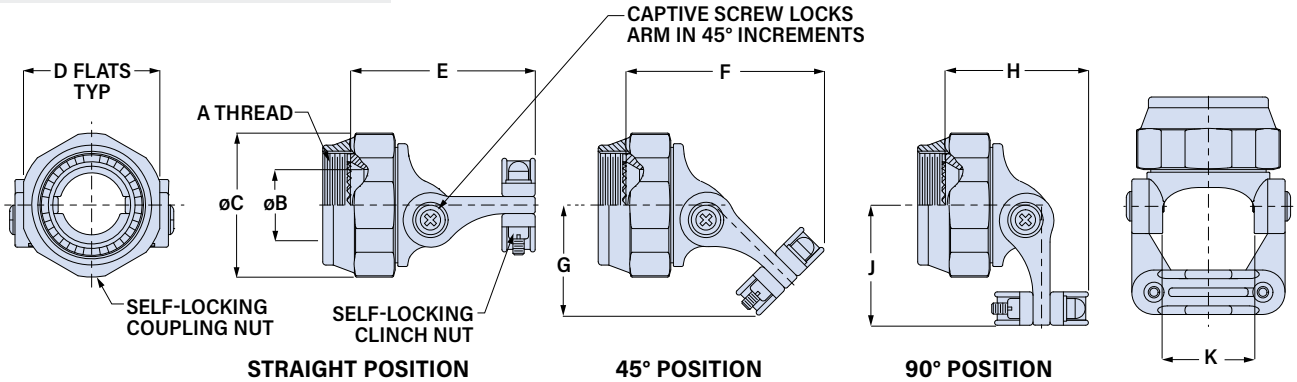
ALUMINUM AND SST VERSIONS



Aluminum and stainless steel versions have round knurled coupling nuts.

PART NUMBER

	870V001	XB	22	B
Base P/N	870V001			
Material/Finish	*Composite* **XB** No Finish (Black) *Aluminum* **ME** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFR **TZ** Tin-Zinc **ZR** Black Zinc-Nickel *Stainless Steel* **Z1** Passivated			
Shell Size	**09 11 16 18 20 22 24**			
Clamp Size	**A** Standard Clamp **B** Large Clamp			



Shell Size	A Thread ISO Metric	øB Min in	øB Min mm	C Max in	C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
09	M12 x 1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.43	36.3	1.35	34.3	.78	19.8	.91	23.1	.87	22.1	.393	10.0
11	M15 x 1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.50	38.1	1.45	36.8	.87	22.1	.94	23.9	.96	24.4	.455	11.6
16	M22 x 1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	1.57	39.9	1.68	42.7	1.02	25.9	1.21	30.7	1.10	27.9	.710	18.0
18	M25 x 1.0-6H	.756	19.2	1.375	34.9	1.250	31.8	1.66	42.2	1.78	45.2	1.09	27.7	1.29	32.8	1.16	29.5	.839	21.3
20	M28 x 1.0-6H	.843	21.4	1.500	38.1	1.375	34.9	1.66	42.2	1.86	47.2	1.14	29.0	1.39	35.3	1.22	31.0	.934	23.7
22	M31 x 1.0-6H	.969	24.6	1.625	41.3	1.500	38.1	1.81	46.0	2.02	51.3	1.24	31.5	1.50	38.1	1.29	32.8	1.068	27.1
24	M34 x 1.0-6H	1.091	27.7	1.750	44.5	1.625	41.3	1.84	46.7	2.09	53.1	1.30	33.0	1.57	39.9	1.36	34.5	1.197	30.4

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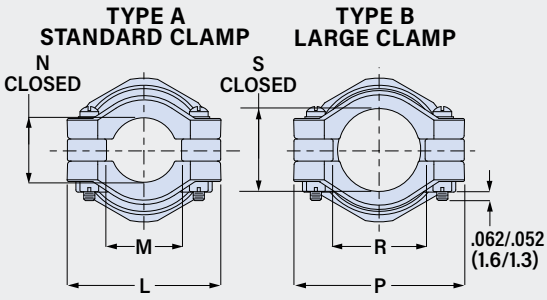
Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V001 Swing-Arm Saddle Clamp

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Shell Size	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
09	.98	24.9	.22	5.6	.265	6.7	09	.98	24.9	.33	8.4	.356	9.0
11	1.05	26.7	.27	6.9	.310	7.9	11	1.20	30.5	.45	11.4	.422	10.7
16	1.30	33.0	.47	11.9	.538	13.7	16	1.54	39.1	.68	17.3	.707	18.0
18	1.44	36.6	.55	14.0	.590	15.0	18	1.60	40.6	.80	20.3	.759	19.3
20	1.56	39.6	.62	15.7	.660	16.8	20	1.73	43.9	.90	22.9	.841	21.4
22	1.69	42.9	.70	17.8	.744	18.9	22	1.95	49.5	1.05	26.7	.996	25.3
24	1.77	45.0	.78	19.8	.826	21.0	24	2.08	52.8	1.18	30.0	1.060	26.9

MATERIAL/FINISH

Composite *(Code XB)*
- **Coupling nut, body, arms, saddles:** polyetherimide (PEI), unplated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** stainless steel, silver plated

Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated.
  Code NF: stainless steel/ olive drab cadmium

Stainless Steel *(Code Z1)*
- **Coupling nut, body, arms, saddles:** SST
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** stainless steel
- **Clinch Nuts:** stainless steel, silver plated

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V002 Swing-Arm Saddle Clamp, Braid Sock, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 870V002 composite Swing-Arm saddle clamp fits Glenair Series 806 Mil-Aero connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant glass-reinforced thermoplastic meets AS85049 requirements. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code V

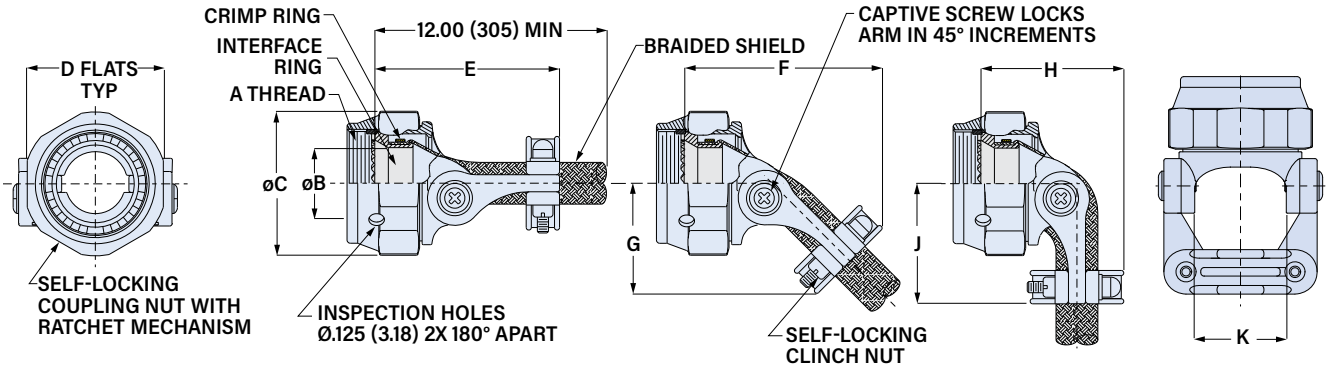
This accessory fits Glenair Series 806 Mil-Aero connectors

TABLE 1
INTERFACE RING MATERIAL / FINISH

Aluminum	
ME	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

	870V002	BM	22	A	N	J	14
Base P/N	**870V002**						
Interface Ring Material/Finish	*See Table 1*						
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**						
Clamp Size	*See Clamp Dimensions on next page* **A** Standard Clamp **B** Large Clamp						
Braid Type	**N** 34 AWG Nickel/Copper Braid **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** Microfilament ArmorLite® Nickel/SST Braid						
Splice Ring and Band	*Omit if not required* **K** Splice ring and standard band **J** Splice ring and slim standard band						
Braid Length	*Omit for standard 12 inch length* **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.						



Shell Size	A Thread ISO Metric	øB Min in	øB Min mm	C Max in	C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
09	M12 x 1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10	M14 x 1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
11	M15 x 1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12	M17 x 1.0-6H	.504	12.8	1.125	28.6	1.000	25.4	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14	M19 x 1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16	M22 x 1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
18	M25 x 1.0-6H	.756	19.2	1.375	34.9	1.250	31.8	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
20	M28 x 1.0-6H	.843	21.4	1.500	38.1	1.375	34.9	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
22	M31 x 1.0-6H	.969	24.6	1.625	41.3	1.500	38.1	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
24	M34 x 1.0-6H	1.091	27.7	1.750	44.5	1.625	41.3	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4

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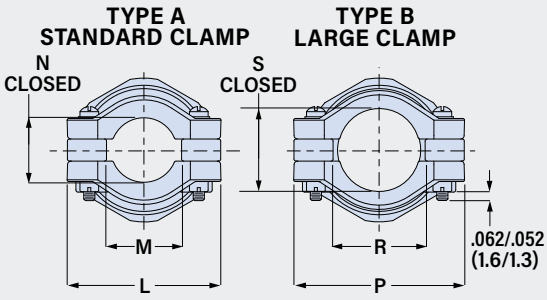
Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V002 Swing-Arm Saddle Clamp, Braid Sock, Composite

CLAMP DIMENSIONS



Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
09	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
11	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
16	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
18	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
20	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
22	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
24	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9

MATERIAL/FINISH

Coupling nut, body, arms, saddles: polyetherimide (PEI)/unplated

Screws, washers, inserts: stainless steel/passivated

Anti-decoupling spring: thermoplastic

interface Ring: brass or aluminum

Crimp ring: copper alloy/tin

Splice ring (optional): thermoplastic

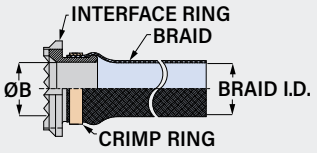
Clinch nuts: stainless steel/silver

Band (optional): stainless steel/passivated

Braid:

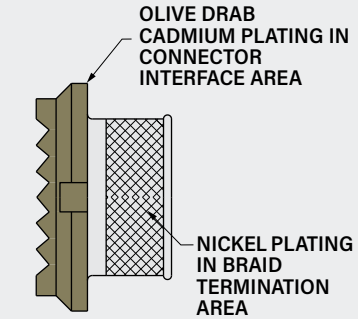
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand®*** ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite®*** lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	øB Min In.	øB Min mm.	Braid I.D. In.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.504	12.8	.781	19.84
14	.592	15.0	.781	19.84
16	.630	16.0	.781	19.84
18	.756	19.2	.781	19.84
20	.843	21.4	.781	19.84
22	.969	24.6	1.000	25.40
24	1.091	27.7	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

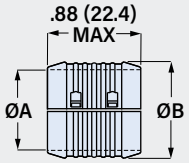
Splice Ring

Band

Optional splice support ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
11	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
14	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
16	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
18	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
20	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
22	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
24	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5



687-207
SPLICE RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

Self-Locking

Shielded, self-locking, adjustable arms. 870V003 stainless steel or aluminum Swing-Arm saddle clamp fits Glenair Series 806 Mil-Aero connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code V

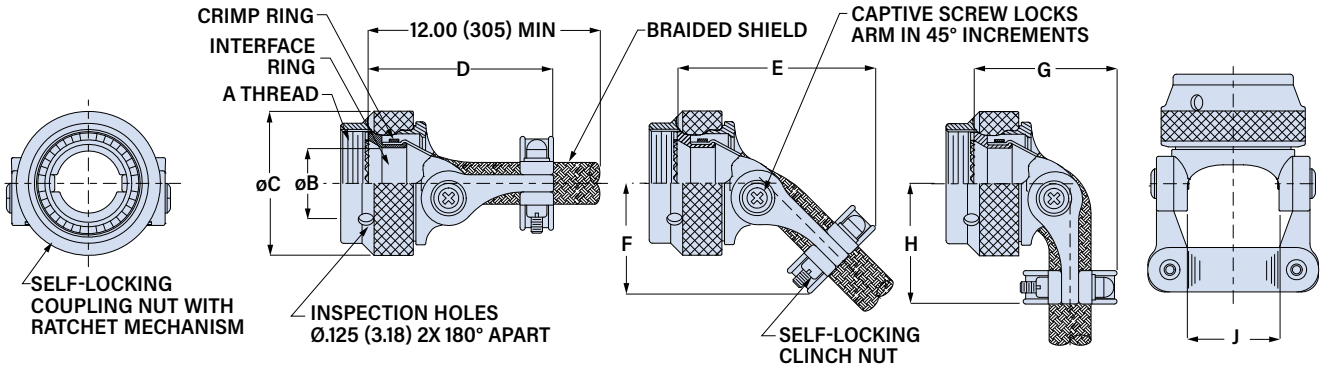
This accessory fits Glenair Series 806 Mil-Aero connectors

TABLE 1 MATERIAL / FINISH

Aluminum	
ME	Electroless nickel
NF	Olive drab cadmium, selective (fig. 1)
MT	Nickel-PTFE
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

PART NUMBER

	870V003	ME	12	B	L	K	14
Base P/N	**870V003**						
Material/Finish	*See Table 1*						
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**						
Clamp Size	*See Clamp Dimensions on next page* **A** Standard Clamp **B** Large Clamp						
Braid Type	**N** 34 AWG Nickel/Copper Braid **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** Microfilament ArmorLite® Nickel/SST Braid						
Splice Ring and Band	*Omit if not required. See "Splice Ring and Band" on next page.* **K** Splice ring and standard band **J** Splice ring and slim standard band						
Braid Length	*Omit for standard 12 inch length* **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.						



Shell Size	A Thread ISO Metric	ø B Min in	ø B Min mm	øC Max in	øC Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
09	M12 x 1.0-6H	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10	M14 x 1.0-6H	.390	9.9	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
11	M15 x 1.0-6H	.390	9.9	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12	M17 x 1.0-6H	.504	12.8	1.125	28.6	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14	M19 x 1.0-6H	.630	16.0	1.250	31.8	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16	M22 x 1.0-6H	.630	16.0	1.250	31.8	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
18	M25 x 1.0-6H	.756	19.2	1.375	34.9	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
20	M28 x 1.0-6H	.843	21.4	1.500	38.1	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
22	M31 x 1.0-6H	.969	24.6	1.625	41.3	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
24	M34 x 1.0-6H	1.091	27.7	1.750	44.5	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4

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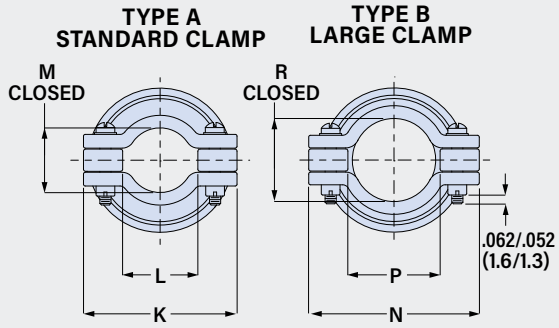
Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

CLAMP DIMENSIONS



Shell Size	Standard Clamp K Max in	K Max mm	L Min in	L Min mm	M Ref. in	M Ref. mm	Large Clamp N Max in	N Max mm	P Min in	P Min mm	R Ref. in	R Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
09	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
11	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
16	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
18	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
20	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
22	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
24	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9

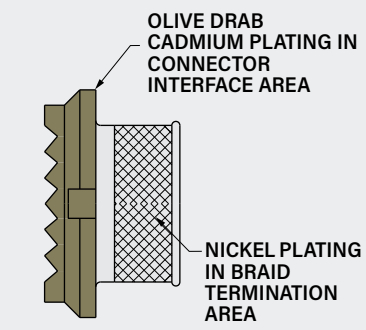
MATERIAL/FINISH

Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles, interface ring:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling spring:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF: stainless steel/ olive drab cadmium

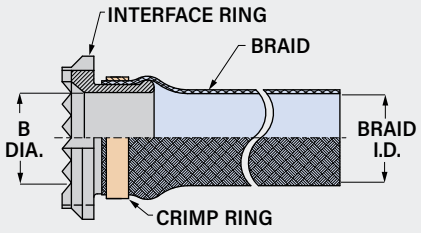
Stainless Steel *(Codes BM, BMT, Z1, ZM)*
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Clinch nuts:** stainless steel, silver plated
- **Interface ring:** brass (codes BM, BMT) or stainless steel (Z1, ZM)

Braid:
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand***® ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

FIGURE 1
NF SELECTIVE FINISH



INTERFACE RING AND BRAID

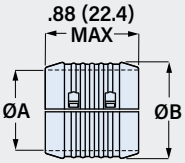


Shell Size	øB Min In.	øB Min mm.	Braid I.D. In.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.504	12.8	.781	19.84
14	.592	15.0	.781	19.84
16	.630	16.0	.781	19.84
18	.756	19.2	.781	19.84
20	.843	21.4	.781	19.84
22	.969	24.6	1.000	25.40
24	1.091	27.7	1.000	25.40

SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid sock to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool. ***Slim Standard Band*** is 50% lighter weight than standard band with no reduction in strength.

Splice Ring



687-207
SPLICE RING

Band

Standard Band Tool
601-100

Slim Standard Band Tool
601-109

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Split Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
14	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
16	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
18	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
20	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
22	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5
24	601-041	601-573	687-207XB20	1.25	31.8	1.40	35.6

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V004 Swing-Arm Saddle Clamp, Banding Adapter, Composite

Self-Locking

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

Shielded, self-locking, adjustable arms. 870V004 Swing-Arm saddle clamp fits Glenair Series 806 Mil-Aero connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

FIGURE 1
FINISH CODES *NFS*, *BNS*

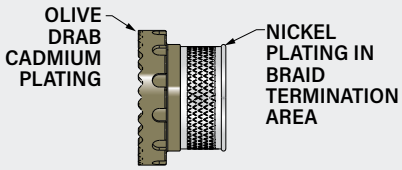
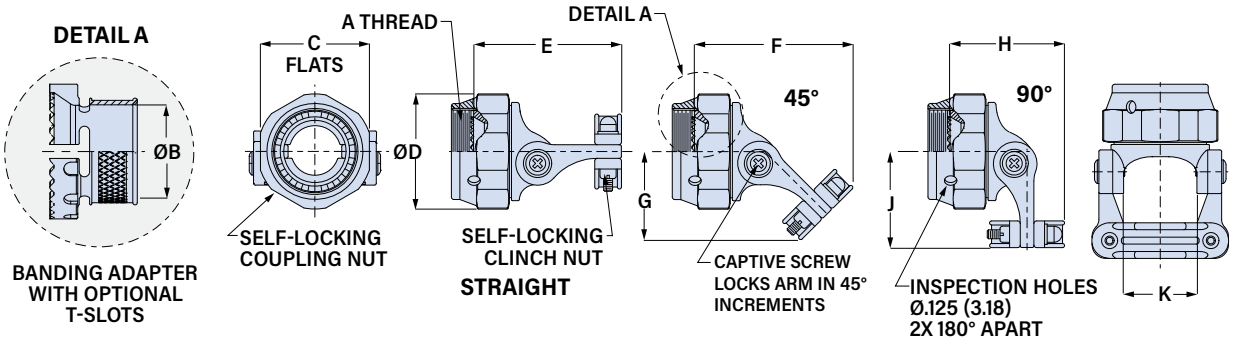


FIGURE 2
BANDING ADAPTER SLOTS CODE *S*

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

	870V004	M	22	A	S	K
Base P/N	870V004					
Banding Adapter Material/Finish	**ME** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc **BM** Brass/Electroless Nickel **BN** Brass/Olive Drab Cadmium **BNS** Brass/O.D. Cadmium, selective (fig. 1) **BMT** Brass/Nickel-PTFE					
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**					
Clamp Size	**A** Standard Clamp **B** Large Clamp					
Banding Adapter Slots	*Omit if not required. See Figure 2.* **S** "T" Slots in Banding Adapter for Shield Pigtails					
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp					



Shell Size	A Thread ISO Metric	øB Min in	øB Min mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
08	M10 x 1.0-6H	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
09	M12 x 1.0-6H	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
10	M14 x 1.0-6H	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
11	M15 x 1.0-6H	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
12	M17 x 1.0-6H	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67	42.4	.93	23.6	1.17	29.7	1.03	26.2	.598	15.2
14	M19 x 1.0-6H	.565	14.4	1.125	28.6	1.250	31.8	1.67	42.4	1.76	44.7	1.00	25.4	1.28	32.5	1.10	27.9	.710	18.0
16	M22 x 1.0-6H	.565	14.4	1.125	28.6	1.250	31.8	1.67	42.4	1.76	44.7	1.00	25.4	1.28	32.5	1.10	27.9	.710	18.0
18	M25 x 1.0-6H	.658	16.7	1.250	31.8	1.375	34.9	1.77	45.0	1.89	48.0	1.09	27.7	1.40	35.6	1.16	29.5	.839	21.3
20	M28 x 1.0-6H	.777	19.7	1.375	34.9	1.500	38.1	1.77	45.0	1.96	49.8	1.14	29.0	1.50	38.1	1.22	31.0	.934	23.7
22	M31 x 1.0-6H	.877	22.3	1.500	38.1	1.625	41.3	1.92	48.8	2.11	53.6	1.22	31.0	1.57	39.9	1.29	32.8	1.068	27.1
24	M34 x 1.0-6H	.999	25.4	1.625	41.3	1.750	44.5	1.95	49.5	2.18	55.4	1.28	32.5	1.67	42.4	1.36	34.5	1.197	30.4

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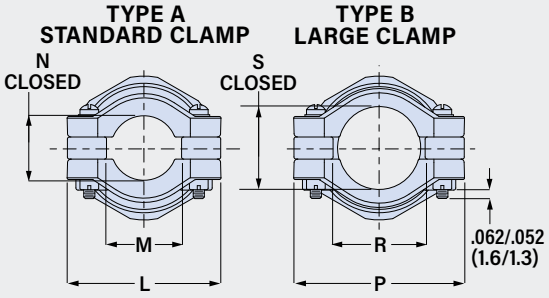
Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Shell Size	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.97	24.6	.22	5.6	.264	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	.97	24.6	.22	5.6	.264	6.7	09	.98	24.9	.33	8.4	.356	9.0
10	1.03	26.2	.29	7.4	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
11	1.03	26.2	.29	7.4	.310	7.9	11	1.20	30.5	.45	11.4	.422	10.7
12	1.21	30.7	.34	8.6	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.32	33.5	.45	11.4	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.32	33.5	.45	11.4	.538	13.7	16	1.54	39.1	.68	17.3	.707	18.0
18	1.45	36.8	.55	14.0	.590	15.0	18	1.60	40.6	.80	20.3	.759	19.3
20	1.54	39.1	.65	16.5	.660	16.8	20	1.73	43.9	.90	22.9	.841	21.4
22	1.67	42.4	.74	18.8	.744	18.9	22	1.95	49.5	1.05	26.7	.996	25.3
24	1.79	45.5	.87	22.1	.826	21.0	24	2.08	52.8	1.18	30.0	1.060	26.9

MATERIAL/FINISH

Coupling nut, body, arms, saddles: polyetherimide (PEI)/ unplated black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Banding adapter: aluminum alloy or brass
Band (optional): stainless steel/ passivated
Clinch Nuts: stainless steel/ silver plated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.0	203	.88	22.4
14 – 24	601-065	601-603	14.0	356	1.88	47.8

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

Self-Locking

Shielded, self-locking, adjustable arms. 870V005 aluminum or stainless steel Swing-Arm saddle clamp fits Glenair Series 806 Mil-Aero connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

PART NUMBER

	870V005	M	22	A	S	K
Base P/N	870V005					
Material/Finish	*See Table 1*					
Shell Size	08 09 10 11 12 14 16 18 20 22 24					
Clamp Size	A Standard Clamp B Large Clamp					
Banding Adapter Slots	*Omit if not required. See Figure 2.* S "T" Slots in Banding Adapter for Shield Pigtails					
Band	*Omit if not required.* K Pre-Coiled Micro Band included With Clamp J Pre-Coiled Slim Micro Band included With Clamp					

TABLE 1 MATERIAL / FINISH

Aluminum	
ME	Electroless nickel
MT	Nickel-PTFE
NF	Olive drab cadmium
NFS	Olive drab cadmium, selective (fig. 1)
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

FIGURE 1
MATERIAL/ FINISH CODE *NFS*

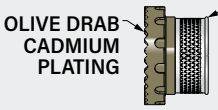
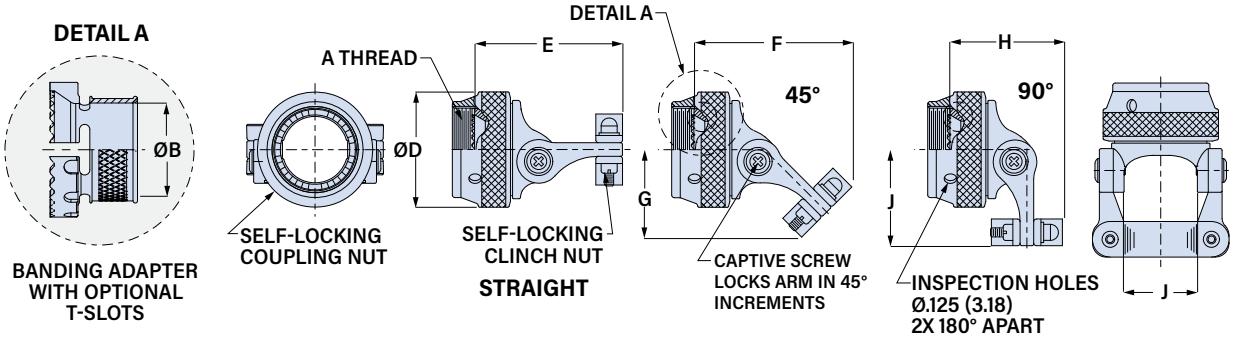


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.



Shell Size	A Thread ISO Metric	ø B Min in	ø B Min mm	øC Max in	øC Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
08	M10 x 1.0-6H	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
09	M12 x 1.0-6H	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
10	M14 x 1.0-6H	.305	7.7	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
11	M15 x 1.0-6H	.305	7.7	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
12	M17 x 1.0-6H	.404	10.3	1.125	28.6	1.66	42.2	1.71	43.4	.97	24.6	1.22	31.0	1.03	26.2	.598	15.2
14	M19 x 1.0-6H	.565	14.4	1.250	31.8	1.67	42.4	1.79	45.5	1.02	25.9	1.32	33.5	1.10	27.9	.710	18.0
16	M22 x 1.0-6H	.565	14.4	1.250	31.8	1.67	42.4	1.79	45.5	1.02	25.9	1.32	33.5	1.10	27.9	.710	18.0
18	M25 x 1.0-6H	.658	16.7	1.375	34.9	1.77	45.0	1.88	47.8	1.08	27.4	1.38	35.1	1.16	29.5	.839	21.3
20	M28 x 1.0-6H	.777	19.7	1.500	38.1	1.77	45.0	1.96	49.8	1.13	28.7	1.49	37.8	1.22	31.0	.934	23.7
22	M31 x 1.0-6H	.877	22.3	1.625	41.3	1.92	48.8	2.13	54.1	1.24	31.5	1.61	40.9	1.29	32.8	1.068	27.1
24	M34 x 1.0-6H	.999	25.4	1.750	44.5	1.95	49.5	2.20	55.9	1.30	33.0	1.68	42.7	1.36	34.5	1.197	30.4

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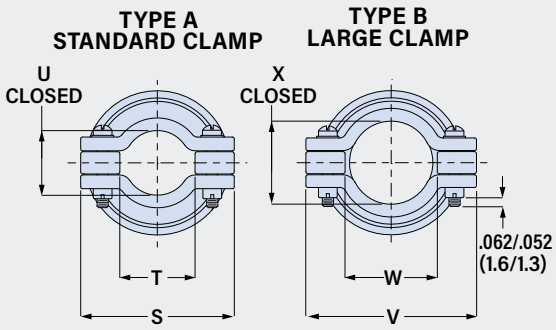
Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	S Max in	S Max mm	T Min in	T Min mm	U Ref. in	U Ref. mm	Shell Size	V Max in	V Max mm	W Min in	W Min mm	X Ref. in	X Ref. mm
08	.97	24.6	.22	5.6	.264	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	.97	24.6	.22	5.6	.264	6.7	09	.98	24.9	.33	8.4	.356	9.0
10	1.03	26.2	.29	7.4	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
11	1.03	26.2	.29	7.4	.310	7.9	11	1.20	30.5	.45	11.4	.422	10.7
12	1.21	30.7	.34	8.6	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.32	33.5	.45	11.4	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.32	33.5	.45	11.4	.538	13.7	16	1.54	39.1	.68	17.3	.707	18.0
18	1.45	36.8	.55	14.0	.590	15.0	18	1.60	40.6	.80	20.3	.759	19.3
20	1.54	39.1	.65	16.5	.660	16.8	20	1.73	43.9	.90	22.9	.841	21.4
22	1.67	42.4	.74	18.8	.744	18.9	22	1.95	49.5	1.05	26.7	.996	25.3
24	1.79	45.5	.87	22.1	.826	21.0	24	2.08	52.8	1.18	30.0	1.060	26.9

MATERIAL/FINISH

Aluminum *(Codes M, MT, NF, NFS TZ, ZR)*
- **Coupling nut, body, arms, saddles:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF, NFS: stainless steel/ olive drab cadmium
- **Banding adapter:** aluminum
- **Band (optional):** stainless steel/ passivated

Stainless Steel *(Codes BM, BMT, Z1, ZM)*
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Clinch nuts:** stainless steel, silver plated
- **Banding adapter:**
  - Code BM: brass/ electroless nickel
  - Code BMT: brass/ nickel-PTFE
  - Code Z1: stainless steel/ passivated
  - Code ZM: stainless steel/ electroless nickel
- **Band (optional):** stainless steel/ passivated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 24	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

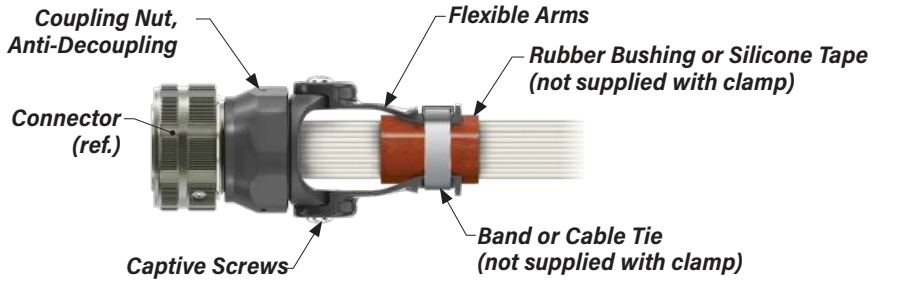
871V001 Swing-Arm Flex Clamp

Self-Locking

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

Lightweight, self-locking, flexible arms. 871V001 Swing-Arm Flex Clamp fits Glenair Series 806 Mil-Aero connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Use banding strap or cable tie to secure arms to wire bundle. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Clamp and coupling nut are composite or aluminum, flex arms are PEEK. Passivated SST hardware.



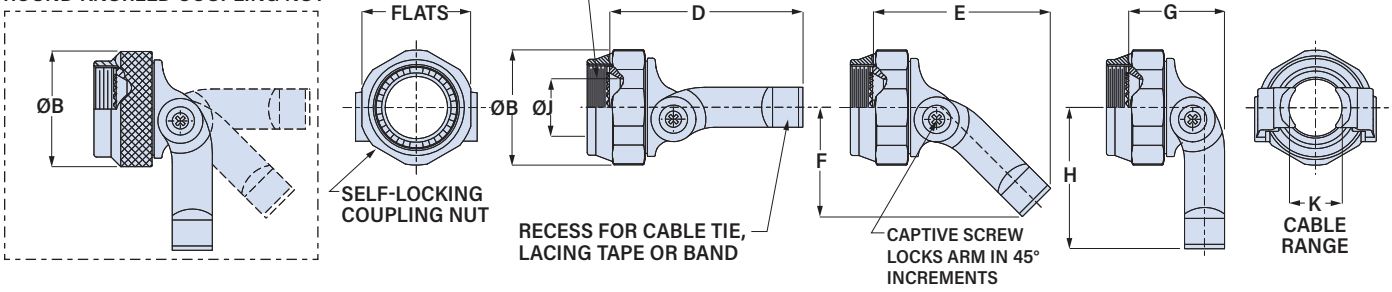
MATERIAL/FINISH

Body, coupling nut :
Code XB: polyetherimide, black
Codes M, MT, NF, TZ, ZR: aluminum alloy
Arms: PEEK, black
Hardware: stainless steel
Anti-decoupling spring: thermoplastic

PART NUMBER

	871V001	XB	12
Base P/N	871V001		
Material/Finish	*Composite* XB No Finish (Black) *Aluminum* ME Electroless Nickel NF Olive Drab Cadmium MT Nickel-PTFR TZ Tin-Zinc ZR Black Zinc-Nickel	*Material/Finish Code applies to coupling nut and clamp body. Flex arms are black thermoplastic.*	
Shell Size	09 11 16 18 20 22 24		

ALUMINUM ALLOY CONFIG.
ROUND KNURLED COUPLING NUT



Shell Size	A Thread ISO Metric	øB Max in	øB Max mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Min in	J Min mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
09	M12 x 1.0-6H	.812	20.6	.750	19.1	1.69	42.9	1.46	37.1	.87	22.1	.85	21.6	1.12	28.4	.264	6.7	.393	10.0	.098	2.5
11	M15 x 1.0-6H	.938	23.8	.875	22.2	1.69	42.9	1.46	37.1	.89	22.6	.85	21.6	1.15	29.2	.390	9.9	.455	11.6	.121	3.1
16	M22 x 1.0-6H	1.250	31.8	1.125	28.6	1.97	50.0	1.77	45.0	1.32	33.5	.94	23.9	1.50	38.1	.630	16.0	.710	18.0	.210	5.3
18	M25 x 1.0-6H	1.375	34.9	1.250	31.8	2.18	55.4	2.02	51.3	1.28	32.5	1.10	27.9	1.68	42.7	.756	19.2	.839	21.3	.246	6.2
20	M28 x 1.0-6H	1.500	38.1	1.375	34.9	2.18	55.4	2.02	51.3	1.35	34.3	1.10	27.9	1.74	44.2	.843	21.4	.934	23.7	.277	7.0
22	M31 x 1.0-6H	1.625	41.3	1.500	38.1	2.64	67.1	2.43	61.7	1.63	41.4	1.26	32.0	2.12	53.8	.969	24.6	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	1.750	44.5	1.625	41.3	2.64	67.1	2.43	61.7	1.67	42.4	1.26	32.0	2.16	54.9	1.091	27.7	1.197	30.4	.349	8.9

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

871V002 Swing-Arm Flex Clamp with Braid Sock, Composite

Self-Locking

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

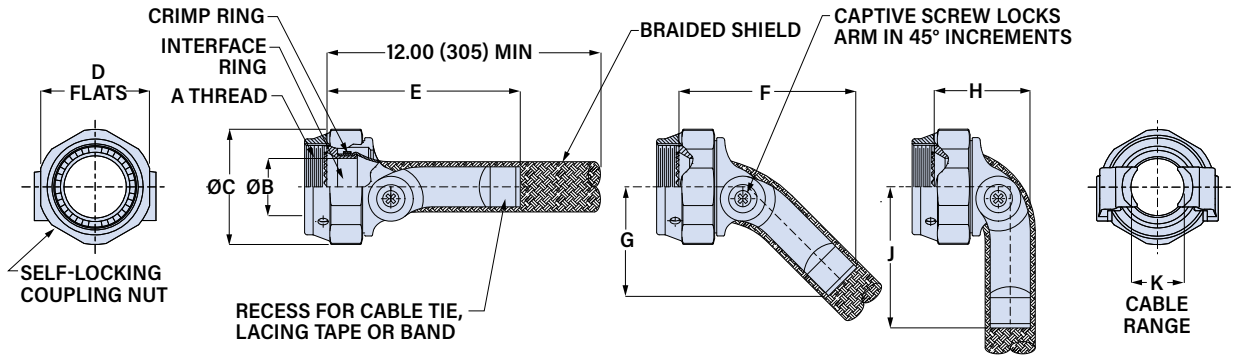
Shielded. Lightweight. Self-locking. Adjustable arms. 871V002 Swing-Arm Flex Clamp fits Glenair Series 806 Mil-Aero connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant high performance thermoplastic meets AS85049 requirements. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

TABLE 1
INTERFACE RING MATERIAL/ FINISH

Aluminum	
ME	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel *(Figure 1)*
BMT	Nickel-PTFE

PART NUMBER

	871V002	BM	22	N	J	14
Base P/N	871V002					
Interface Ring Material/Finish	*See Table 1*					
Shell Size	08 09 10 11 12 14 16 18 20 22 24					
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L ArmorLite® Microfilament Nickel/SST Braid					
Splice Ring and Band	*Omit if not required* K Splice ring and standard band J Splice ring and slim standard band					
Braid Length	*Omit for standard 12 inch length* 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.					



Shell Size	A Thread ISO Metric	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
09	M12 x 1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
10	M14 x 1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
11	M15 x 1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12	M17 x 1.0-6H	.510	13.0	1.125	28.6	1.000	25.4	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
14	M19 x 1.0-6H	.510	13.0	1.250	31.8	1.125	28.6	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
16	M22 x 1.0-6H	.671	17.0	1.250	31.8	1.125	28.6	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
18	M25 x 1.0-6H	.788	20.0	1.375	34.9	1.250	31.8	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
20	M28 x 1.0-6H	.881	22.4	1.500	38.1	1.375	34.9	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
22	M31 x 1.0-6H	1.007	25.6	1.625	41.3	1.500	38.1	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	1.127	28.6	1.750	44.5	1.625	41.3	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

871V002 Swing-Arm Flex Clamp with Braid Sock, Composite

MATERIAL/FINISH

Coupling nut, body, arms: polyetherimide (PEI)/unplated

Screws, washers, inserts: stainless steel/passivated

Anti-decoupling spring: thermoplastic

Interface ring: brass or aluminum

Crimp ring: copper alloy/tin

Splice ring (optional): thermoplastic

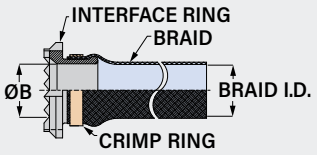
Clinch nuts: stainless steel/silver

Band (optional): stainless steel/passivated

Braid:

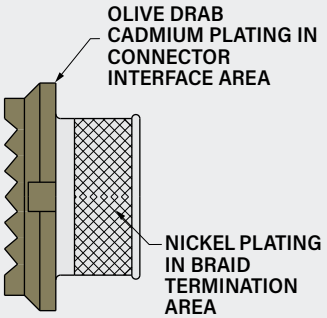
Code N: 34 AWG nickel-coated copper
Code T: 34 AWG tin-coated copper,
Code A: ***AmberStrand***® ultralightweight nickel-coated polymer
Code L: ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	øB Min In.	øB Min mm.	Braid I.D. In.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.510	13.0	.781	19.84
14	.510	13.0	.781	19.84
16	.671	17.0	.500	12.70
18	.788	20.0	.781	19.84
20	.881	22.4	.781	19.84
22	1.007	25.6	1.000	25.40
24	1.127	28.6	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

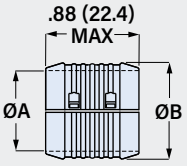
Splice Ring

Band

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
11	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
14	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
16	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
18	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
20	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
22	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
24	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5



687-207
SPLICE RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

871V003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

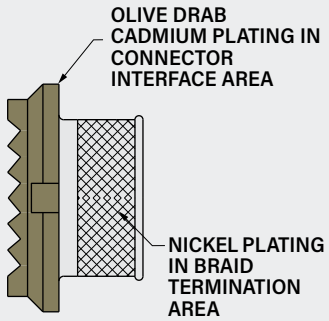
Self-Locking

Shielded. Lightweight. Self-locking. Adjustable arms. 871V003 Swing-Arm Flex Clamp has aluminum coupling nut and body with thermoplastic flex arms. Fits Glenair Series 806 Mil-Aero connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code V

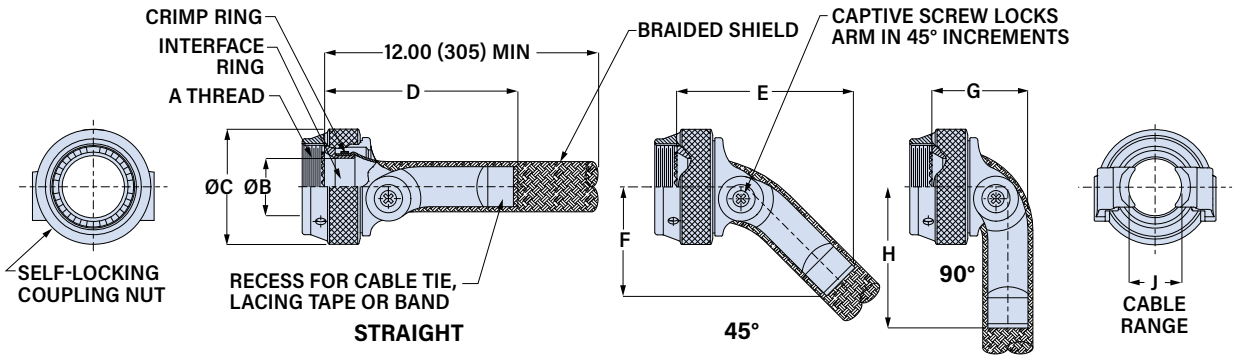
This accessory fits Glenair Series 806 Mil-Aero connectors

FIGURE 1
NF SELECTIVE FINISH



PART NUMBER

	871V003	BM	22	N	J	14
Base P/N	871V003					
Material/Finish	ME Electroless Nickel NF O. D. Cadmium, Selective (Figure 1) MT Nickel-PTFE TZ Tin-Zinc ZR Black Zinc-Nickel					
Shell Size	08 09 10 11 12 14 16 18 20 22 24					
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L ArmorLite® Microfilament Nickel/SST Braid					
Splice Ring and Band	*Omit if not required* K Splice ring and standard band J Splice ring and slim standard band					
Braid Length	*Omit for standard 12 inch length* 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.					



Shell Size	A Thread ISO Metric	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
09	M12 x 1.0-6H	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
10	M14 x 1.0-6H	.390	9.9	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
11	M15 x 1.0-6H	.390	9.9	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12	M17 x 1.0-6H	.504		1.125	28.6	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
14	M19 x 1.0-6H	.630		1.250	31.8	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
16	M22 x 1.0-6H	.630		1.250	31.8	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
18	M25 x 1.0-6H	.756		1.375	34.9	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
20	M28 x 1.0-6H	.843		1.500	38.1	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
22	M31 x 1.0-6H	.969		1.625	41.3	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	1.091		1.750	44.5	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9

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Swing-Arm® Clamps

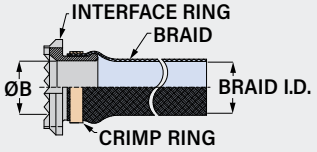
for Series 806 Mil-Aero Connectors

871V003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

MATERIAL/FINISH

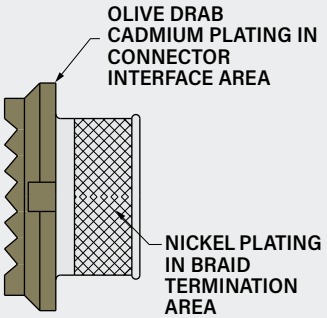
Coupling nut, body: aluminum
Flex arms: PEEK (PEI)/unplated, black
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
Interface ring: aluminum
Crimp ring: copper alloy/tin
Splice ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand***® ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	øB Min In.	øB Min mm.	Braid I.D. In.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.510	13.0	.781	19.84
14	.510	13.0	.781	19.84
16	.671	17.0	.500	12.70
18	.788	20.0	.781	19.84
20	.881	22.4	.781	19.84
22	1.007	25.6	1.000	25.40
24	1.127	28.6	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



INTERFACE RING

SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)

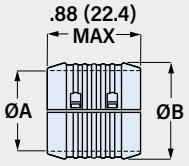
Splice Ring

Band

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Splice Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
11	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
14	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
16	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
18	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
20	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
22	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
24	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5



687-207
SPLICE RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

871V004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

Self-Locking

Shielded, self-locking, adjustable arms. 871V004 Swing-Arm Flex Clamp fits Glenair Series 806 Mil-Aero connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

FIGURE 1
FINISH CODES *NFS*, *BNS*

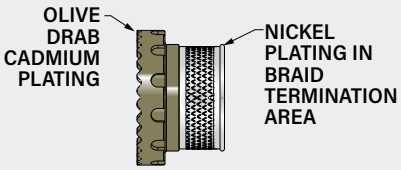


FIGURE 2
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

871V004	M	22	S	K

Base P/N 871V004

Banding Adapter Material/Finish

ME	Alum/Electroless Nickel
NF	Alum/Olive Drab Cadmium
NFS	Alum/O.D. Cadmium, selective (fig. 1)
MT	Alum/Nickel-PTFE
TZ	Alum/Tin-Zinc
BM	Brass/Electroless Nickel
BN	Brass/Olive Drab Cadmium
BNS	Brass/O.D. Cadmium, selective (fig. 1)
BMT	Brass/Nickel-PTFE

Shell Size 08 09 10 11 12 14 16 18 20 22 24

Banding Adapter Slots

Omit if not required. See Figure 2

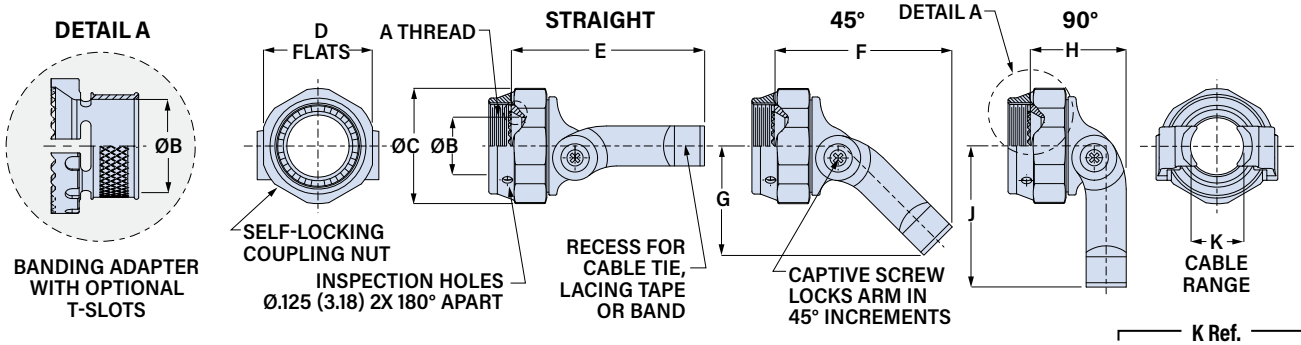
S "T" Slots in Banding Adapter for Shield Pigtails

Band

Omit if not required.

K Pre-Coiled Micro Band included With Clamp

J Pre-Coiled Slim Micro Band included With Clamp



Shell Size	A Thread ISO Metric	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
08	M10 x 1.0-6H	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.57	39.9	.87	22.1	.96	24.4	1.12	28.4	.393	10.0	.098	2.5
09	M12 x 1.0-6H	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.57	39.9	.87	22.1	.96	24.4	1.12	28.4	.393	10.0	.098	2.5
10	M14 x 1.0-6H	.305	7.7	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	22.6	.96	24.4	1.15	29.2	.455	11.6	.121	3.1
11	M15 x 1.0-6H	.305	7.7	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	22.6	.96	24.4	1.15	29.2	.455	11.6	.121	3.1
12	M17 x 1.0-6H	.404	10.3	1.125	28.6	1.000	25.4	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	M19 x 1.0-6H	.565	14.4	1.250	31.8	1.125	28.6	2.08	52.8	1.88	47.8	1.16	29.5	1.32	33.5	1.50	38.1	.598	15.2	.157	4.0
16	M22 x 1.0-6H	.565	14.4	1.250	31.8	1.125	28.6	2.08	52.8	1.88	47.8	1.16	29.5	1.32	33.5	1.50	38.1	.710	18.0	.210	5.3
18	M25 x 1.0-6H	.658	16.7	1.375	34.9	1.250	31.8	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
20	M28 x 1.0-6H	.777	19.7	1.500	38.1	1.375	34.9	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.81	46.0	.934	23.7	.277	7.0
22	M31 x 1.0-6H	.877	22.3	1.625	41.3	1.500	38.1	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	.999	25.4	1.750	44.5	1.625	41.3	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

871V004 Swing-Arm Flex Clamp, EMI Banding Adapter, Composite

MATERIAL/FINISH

Coupling nut, body, arms, saddles: polyetherimide (PEI)/ unplated black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Banding adapter: aluminum alloy or brass
Band (optional): stainless steel/ passivated
Clinch nuts: stainless steel/ silver plated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 24	601-065	601-603	14.25	362	1.88	47.8

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Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

871V005 Swing-Arm Flex Clamp, EMI Banding Adapter, Aluminum

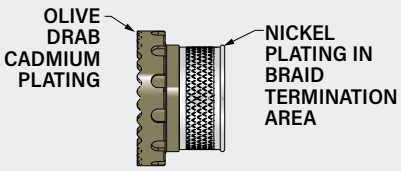
Self-Locking

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

Shielded, self-locking, adjustable arms. 871V005 Swing-Arm Flex Clamp has aluminum coupling nut and body with high strength thermoplastic flex arms. Fits Glenair Series 806 Mil-Aeroconnectors. Adjustable arms pivot to 0°, 45° or 90° positions. includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

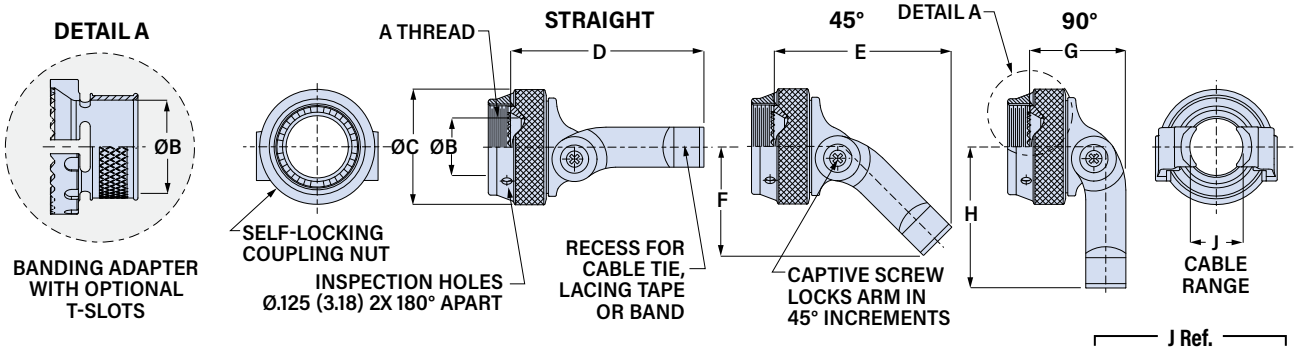
FIGURE 1
FINISH CODE *NFS*



PART NUMBER

	871V005	M	22	S	K

Base P/N	**871V005**
Material/Finish	**ME** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**
Banding Adapter Slots	*Omit if not required. See Detail A.* **S** "T" Slots in Banding Adapter for Shield Pigtails
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp



Shell Size	A Thread ISO Metric	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
08	M10 x 1.0-6H	.178	4.5	.812	20.6	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
09	M12 x 1.0-6H	.178	4.5	.812	20.6	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
10	M14 x 1.0-6H	.305	7.7	.938	23.8	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
11	M15 x 1.0-6H	.305	7.7	.938	23.8	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
12	M17 x 1.0-6H	.404	10.3	1.125	28.6	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	M19 x 1.0-6H	.565	14.4	1.250	31.8	2.08	52.8	1.88	47.8	1.16	29.5	1.05	26.7	1.50	38.1	.710	18.0	.210	5.3
16	M22 x 1.0-6H	.565	14.4	1.250	31.8	2.08	52.8	1.88	47.8	1.16	29.5	1.05	26.7	1.50	38.1	.710	18.0	.210	5.3
18	M25 x 1.0-6H	.658	16.7	1.375	34.9	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
20	M28 x 1.0-6H	.777	19.7	1.500	38.1	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.81	46.0	.934	23.7	.277	7.0
22	M31 x 1.0-6H	.877	22.3	1.625	41.3	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	.999	25.4	1.750	44.5	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Pre-Coiled MicroBand
601-065

Pre-Coiled Slim MicroBand
601-603

MATERIAL/FINISH

Coupling nut, body, banding adapter: aluminum
Flex arms: high-strength thermoplastic
Screws, washers, inserts: sst/passivated
Anti-decoupling springs: thermoplastic
Band (optional): stainless steel/ passivated

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Dimensions in Inches (millimeters) are subject to change without notice.

Swing-Arm® Clamps

for Series 970 PowerTrip™ Connectors

870P001 PowerTrip Swing-Arm, Non-EMI

Self-Locking

Adapter Code P

This accessory fits Glenair PowerTrip connectors

Self-locking, adjustable arms. Aluminum or SST. Use with unshielded power cables. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threads to withstand high vibration. Full radius saddles have self-locking clinch nuts, bushing option fills excess voids in clamp. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Available in aluminum or stainless steel. Use Glenair TurboFlex power feeder cable to mitigate contact/grommet splay.

PART NUMBER

	870P001	MT	20	-4
Base P/N	870P001			
Finish Symbol	*See Table 2*			
Order Number	*See Table 1*			
Bushing Option	*See Table 3 (Omit for none)*			

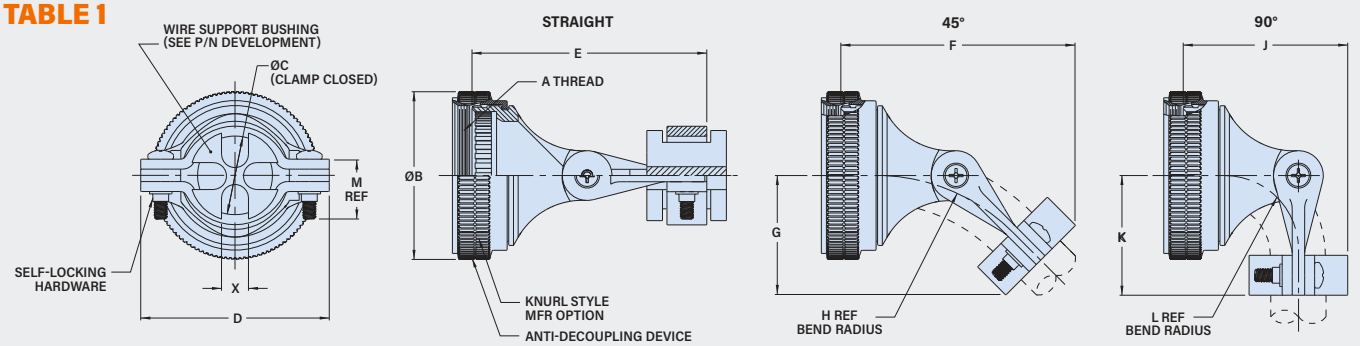
TABLE 2

Sym	Finish Description	Component
	Aluminum Alloy	
ME	Electroless Nickel	Coupling, Clamp, Saddle Bars
MT	Nickel - PTFE	Coupling, Clamp, Saddle Bars
NF	Cad O.D. Over E.N.	Coupling, Clamp, Saddle Bars
ZR	Zinc - Nickel, Black Over E.N.	Coupling, Clamp, Saddle Bars
	300 Series Stainless Steel	
ZM	Electroless Nickel	Clamp, Saddle Bars
	Passivate	Coupling
ZMT	Nickel - PTFE	Clamp, Saddle Bars
	Passivate	Coupling
ZW	Cad O.D. Over E.N.	Clamp, Saddle Bars
	Passivate	Coupling
Z1	Passivate	Coupling, Clamp, Saddle Bars

MATERIAL/FINISH

Coupling nut, clamp, saddle bars: see Table 2
Hardware: cres/passivate
Bushing & anti-decoupling device: high temperature thermoplastic / NA

TABLE 1



Order No	A Thread Class 2b	B Max in	B Max mm	C ± .031 in	C ± .031 mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Ref in	H Ref mm	J Max in	J Max mm	K Max in	K Max mm	L Ref in	L Ref mm	M Ref in	M Ref mm
18	1 1/8-18 UNEF	1.39	35.3	0.518	13.2	1.795	45.6	2.379	60.4	2.280	57.9	1.211	30.8	1.52	38.6	1.513	38.4	1.310	33.3	0.63	16.0	0.63	16.0
20	1 1/4-18 UNEF	1.53	38.9	0.665	16.9	1.929	49.0	2.504	63.6	2.456	62.4	1.263	32.1	1.81	46.0	1.711	43.5	1.310	33.3	0.75	19.1	0.63	16.0
24	1 7/16-18 UNEF	1.72	43.7	0.795	20.2	2.114	53.7	2.879	73.1	2.805	71.3	1.486	37.7	2.12	53.9	1.901	48.3	1.560	39.6	0.88	22.4	0.75	19.1
28	1 13/16-16 UN	2.13	54.1	1.080	27.4	2.424	61.6	3.004	76.3	3.031	77.0	1.587	40.3	2.41	61.2	2.169	55.1	1.560	39.6	1.00	25.4	0.75	19.1
32	2 1/16-16 UNS	2.35	59.7	1.200	30.5	2.816	71.5	3.629	92.2	3.596	91.3	2.027	51.5	2.75	69.9	2.417	61.4	2.060	52.3	1.13	28.7	0.88	22.4
36	2 1/4-16 UN	2.59	65.8	1.400	35.6	3.019	76.7	3.754	95.4	3.792	96.3	2.098	53.3	3.03	77.0	2.642	67.1	2.060	52.3	1.25	31.8	0.88	22.4
40	2 1/2-16 UN	2.87	72.9	1.700	43.2	3.246	82.5	3.879	98.5	4.023	102.2	2.204	56.0	3.32	84.3	2.917	74.1	2.060	52.3	1.38	35.1	0.88	22.4

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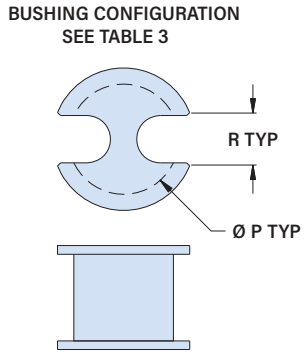
Swing-Arm® Clamps

for Series 970 PowerTrip™ Connectors

870P001 PowerTrip Swing-Arm, Non-EMI



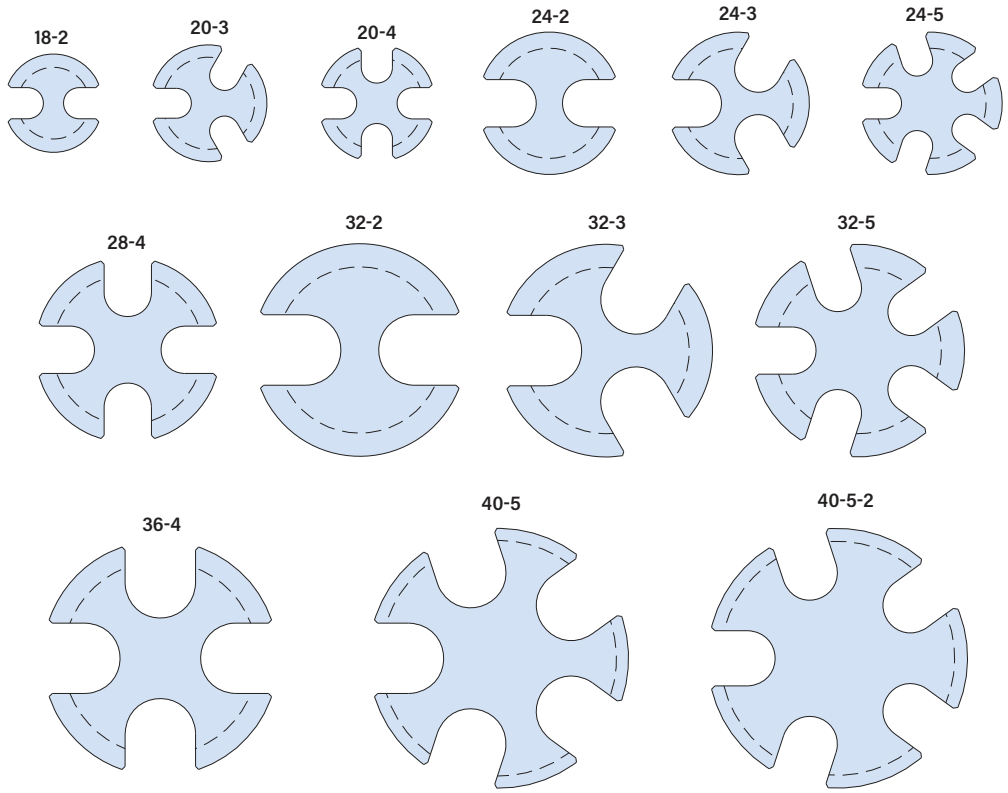


TABLE 3

Shell Size	Bushing Option	øP In.	øP mm.	R In.	R mm.
18	-2	0.518	13.2	0.225	5.7
20	-3	0.665	16.9	0.215	5.5
20	-4	0.665	16.9	0.225	5.7
24	-2	0.795	20.2	0.342	8.7
24	-3	0.795	20.2	0.341	8.7
24	-5	0.795	20.2	0.225	5.7
28	-4	1.080	27.4	0.341	8.7
32	-2	1.200	30.5	0.508	12.9
32	-3	1.200	30.5	0.508	12.9
32	-5	1.200	30.5	0.341	8.7
36	-4	1.400	35.6	0.508	12.9
40	-5	1.700	43.2	0.508	12.9
40	-5 -2	1.688	42.9	0.398	10.1

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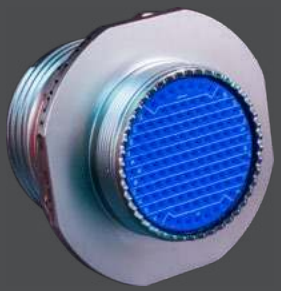
ALSO AVAILABLE FROM GLENAIR

- MADE IN USA
- MASSIVE SAME-DAY INVENTORY

GLASS-SEALED Hermetic CONNECTORS

Glass-to-Metal and Lightweight Encapsulant Seal Circular Hermetic Connectors

Resolve gas, moisture and particle ingress problems with advanced-performance glass- and encapsulant-sealed hermetic connectors



Easy customization of hermetic connector solutions including crimp-removable contacts, Coax, Triax, Quadrax, and hybrid-contact layouts—in MIL-DTL-38999 and other popular mil-aero connector packages

- **Superior pressure resistance to 32,000+ PSI**
- **Higher resistance to extreme operating temperatures to 260°+ C**
- **Superior mechanical strength**
- **No material breakdown or aging over time**
- **Helium leak rate <1X10^{-7} cc/sec to 1X10^{-10}**

CODE RED LIGHTWEIGHT HERMETIC SEALING

Lightweight hermetic encapsulant sealing solution with 1X10^{-7} leak rate performance. Available today in Series 806 Mil-Aero, M24308/9 D-Sub and D38999/23

Aluminum shell CODE RED hermetic connectors and copper contacts reduce weight and improve electrical performance compared to heavier-duty glass-to-metal seal hermetic solutions

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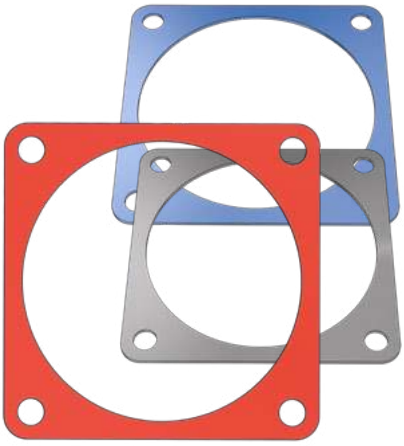
Series 93 Gaskets

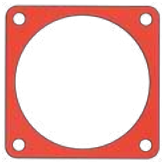
Selection Guide

Series 93 Gaskets



Series 93 gaskets provide environmental protection to panel-mounted circular connectors with square mounting flanges. Conductive rubber versions provide additional EMI protection.

MIL-DTL-38999
MIl-DTL-26482
MIL-DTL-83723
MIL-DTL-26500
AS81703



930-001
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Series 970 PowerTrip

930-014
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AS50151
MIL-DTL-22992 Class C, J, R

930-004
Page 93-3

MIL-DTL-28840
MIL-PRF-28876

930-006
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Mighty Mouse
Series 800
Series 801
Series 802
Series 803
Series 805

809-108
Page 93-4

Series 806
MIl-Aero

930-017
Page 93-5

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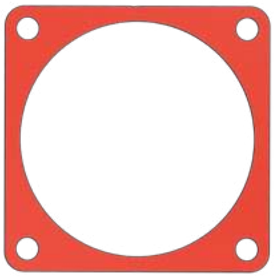
Series 93 Gaskets

For MIL-DTL-38999, MIL-DTL-83723, MIL-DTL-26500, and AS81703

930-001 Flange Gasket



930-001 flange gaskets fit MIL-DTL-38999, MIL-DTL-83723, MIL-DTL-26500 and AS81703 square flange connectors. Available in a variety of materials, these gaskets provide environmental protection and EMI shielding.

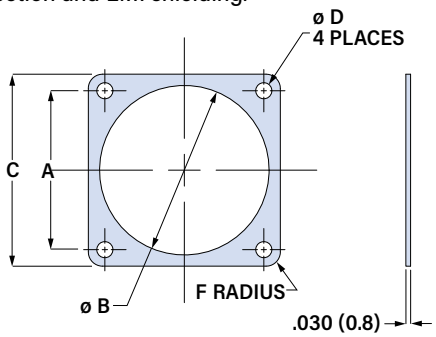


TABLE 1 MATERIAL CODE

EMI Gaskets

B	**Fluorosilicone with Silver-Plated Aluminum Filler** MIL-G-83528 Type D, CHO-SEAL 1298, 90 dB shielding @ 10GHz, good corrosion resistance, resists jet fuels and solvents, -55 to +200 °C, tan
C	**Silicone with Embedded Monel Wire Mesh** Corrosion-resistant QQ-N-281 nickel-copper alloy wire embedded in silicone, good EMI shielding, -55 to +260 °C, grey
K	**Silicone with Oriented Monel Wire** QQ-N-281 nickel-copper alloy wire embedded into the z-axis, good EMI shielding, -55 to +200 °C, grey
M	**Silicone with Silver-Plated Glass Filler** MIL-G-83528 Type M, 100 dB shielding @ 10GHz, fair corrosion resistance, -55 to +200 °C, tan

Non-Conductive Gaskets

F	Fluorosilicone (blue)
N	Neoprene (black)
S	Silicone (red)
V	Viton (black)

MIL-DTL-26482, MIL-DTL-83723, MIL-DTL-26500, MIL-DTL-38999 SERIES II

Shell Size	Part No. ✳ = Material Code	A ± .005 (0.1) in	A mm	øB ± .007 (0.2) in	øB mm	C ± .008 (0.2) in	C mm	øD ± .005 (0.1) in	øD mm	F Rad ± .015 (0.4) in	F Rad mm
8	930-001✳01	.594	15.1	.562	14.3	.812	20.6	.125	3.2	.105	2.7
10	930-001✳03	.719	18.3	.687	17.4	.937	23.8	.125	3.2	.105	2.7
12	930-001✳04	.812	20.6	.772	19.6	1.031	26.2	.125	3.2	.105	2.7
14	930-001✳06	.906	23.0	.937	23.8	1.125	28.6	.125	3.2	.105	2.7
16	930-001✳07	.969	24.6	1.063	27.0	1.250	31.8	.125	3.2	.135	3.4
18	930-001✳08	1.062	27.0	1.187	30.1	1.343	34.1	.125	3.2	.135	3.4
20	930-001✳10	1.156	29.4	1.312	33.3	1.467	37.3	.125	3.2	.135	3.4
22	930-001✳11	1.250	31.8	1.437	36.5	1.562	39.7	.125	3.2	.135	3.4
24	930-001✳12	1.375	34.9	1.562	39.7	1.703	43.3	.152	3.9	.135	3.4

MIL-DTL-38999 SERIES I, III, AND IV

Shell Size	Part No. ✳ = Material Code	A ± .005 (0.1) in	A mm	øB ± .007 (0.2) in	øB mm	C ± .008 (0.2) in	C mm	øD ± .005 (0.1) in	øD mm	F Rad ± .015 (0.4) in	F Rad mm
9 (A)	930-001✳03	.719	18.3	.687	17.4	.937	23.8	.125	3.2	.105	2.7
11 (B)	930-001✳04	.812	20.6	.772	19.6	1.031	26.2	.125	3.2	.105	2.7
13 (C)	930-001✳06	.906	23.0	.937	23.8	1.125	28.6	.125	3.2	.105	2.7
15 (D)	930-001✳07	.969	24.6	1.063	27.0	1.250	31.8	.125	3.2	.135	3.4
17 (E)	930-001✳08	1.062	27.0	1.187	30.1	1.343	34.1	.125	3.2	.135	3.4
19 (F)	930-001✳10	1.156	29.4	1.312	33.3	1.467	37.3	.125	3.2	.135	3.4
21 (G)	930-001✳11	1.250	31.8	1.437	36.5	1.562	39.7	.125	3.2	.135	3.4
23 (H)	930-001✳12	1.375	34.9	1.562	39.7	1.703	43.3	.152	3.9	.135	3.4
25 (J)	930-001✳14	1.500	38.1	1.600	40.6	1.812	46.0	.152	3.9	.135	3.4

AS81703

Shell Size	Part No. ✳ = Material Code	A ± .005 (0.1) in	A mm	øB ± .007 (0.2) in	øB mm	C ± .008 (0.2) in	C mm	øD ± .005 (0.1) in	øD mm	F Rad ± .015 (0.4) in	F Rad mm
3	930-001✳02	.625	15.9	.603	15.3	.896	22.8	.125	3.2	.105	2.7
7	930-001✳03	.719	18.3	.687	17.4	.937	23.8	.125	3.2	.105	2.7
12	930-001✳05	.812	20.6	.828	21.0	1.114	28.3	.125	3.2	.105	2.7
19	930-001✳06	.906	23.0	.937	23.8	1.125	28.6	.125	3.2	.105	2.7
27	930-001✳07	.969	24.6	1.063	27.0	1.250	31.8	.125	3.2	.135	3.4
37	930-001✳09	1.187	30.1	1.266	32.2	1.458	37.0	.125	3.2	.135	3.4
61	930-001✳13	1.436	36.5	1.570	39.9	1.799	45.7	.125	3.2	.135	3.4

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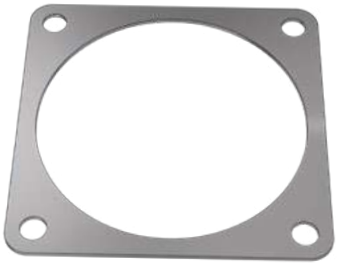
Series 93 Gaskets

For AS50151 and MIL-DTL-22992 Class C, J, R

930-004 Flange Gasket



930-004 flange gaskets fit AS50151 and MIL-DTL-22992 Series C, J and R square flange connectors. Available in a variety of materials, these gaskets provide environmental protection and EMI shielding.

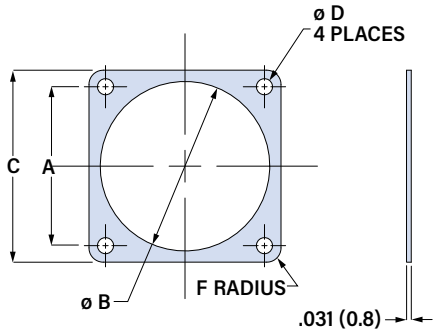


TABLE 1 MATERIAL CODE

EMI Gaskets

B	**Fluorosilicone with Silver-Plated Aluminum Filler** MIL-G-83528 Type D, CHO-SEAL 1298, 90 dB shielding @ 10GHz, good corrosion resistance, resists jet fuels and solvents, -55 to +200 °C, tan
C	**Silicone with Embedded Monel Wire Mesh** Corrosion-resistant QQ-N-281 nickel-copper alloy wire embedded in silicone, good EMI shielding, -55 to +260 °C, grey
K	**Silicone with Oriented Monel Wire** QQ-N-281 nickel-copper alloy wire embedded into the z-axis, good EMI shielding, -55 to +200 °C, grey
M	**Silicone with Silver-Plated Glass Filler** MIL-G-83528 Type M, 100 dB shielding @ 10GHz, fair corrosion resistance, -55 to +200 °C, tan

Non-Conductive Gaskets

F	Fluorosilicone (blue)
N	Neoprene (black)
R	Nitrile (black)
S	Silicone (red)
V	Viton (black)

AS50151 (MIL-DTL-5015)

Shell Size	Part No. ✳ = *Material Code*	A ± .010 (0.3) in	A mm	øB + .016 (0.2) -.000 0.0) in	øB mm	C + .016 (0.2) -.000 0.0) in	C mm	øD ± .010 (0.3) in	øD mm	F Rad in	F Rad mm
8S	930-004✳01	.594	15.1	.500	12.7	.875	22.2	.172	4.4	.141	3.6
10S, 10SL	930-004✳02	.719	18.3	.625	15.9	1.000	25.4	.172	4.4	.141	3.6
12, 12S	930-004✳03	.812	20.6	.750	19.1	1.094	27.8	.172	4.4	.141	3.6
14, 14S	930-004✳04	.906	23.0	.875	22.2	1.188	30.2	.172	4.4	.141	3.6
16, 16S	930-004✳05	.969	24.6	1.000	25.4	1.281	32.5	.172	4.4	.156	4.0
18	930-004✳06	1.062	27.0	1.125	28.6	1.375	34.9	.203	5.2	.156	4.0
20	930-004✳07	1.156	29.4	1.250	31.8	1.500	38.1	.203	5.2	.172	4.4
22	930-004✳08	1.250	31.8	1.375	34.9	1.625	41.3	.203	5.2	.188	4.8
24	930-004✳09	1.375	34.9	1.500	38.1	1.750	44.5	.203	5.2	.188	4.8
28	930-004✳10	1.562	39.7	1.750	44.5	2.000	50.8	.203	5.2	.219	5.6
32	930-004✳12	1.750	44.5	2.000	50.8	2.250	57.2	.219	5.6	.250	6.4
36	930-004✳13	1.938	49.2	2.188	55.6	2.500	63.5	.219	5.6	.281	7.1
40	930-004✳14	2.188	55.6	2.438	61.9	2.750	69.9	.219	5.6	.281	7.1
44	930-004✳16	2.375	60.3	2.688	68.3	3.000	76.2	.219	5.6	.312	7.9
48	930-004✳17	2.625	66.7	2.938	74.6	3.250	82.6	.219	5.6	.312	7.9

MIL-DTL-22992 CLASS C, J, R

Shell Size	Part No. ✳ = *Material Code*	A ± .010 (0.3) in	A mm	øB + .016 (0.2) -.000 0.0) in	øB mm	C + .016 (0.2) -.000 0.0) in	C mm	øD ± .010 (0.3) in	øD mm	F Rad in	F Rad mm
12	930-004✳04	.906	23.0	.875	22.2	1.188	30.2	.172	4.4	.141	3.6
14	930-004✳05	.969	24.6	1.000	25.4	1.281	32.5	.172	4.4	.156	4.0
16	930-004✳06	1.062	27.0	1.125	28.6	1.375	34.9	.203	5.2	.156	4.0
18	930-004✳07	1.156	29.4	1.250	31.8	1.500	38.1	.203	5.2	.172	4.4
20	930-004✳08	1.250	31.8	1.375	34.9	1.625	41.3	.203	5.2	.188	4.8
22	930-004✳09	1.375	34.9	1.500	38.1	1.750	44.5	.203	5.2	.188	4.8
24	930-004✳10	1.562	39.7	1.750	44.5	2.000	50.8	.203	5.2	.219	5.6
28	930-004✳12	1.750	44.5	2.000	50.8	2.250	57.2	.219	5.6	.250	6.4
32	930-004✳13	1.938	49.2	2.188	55.6	2.500	63.5	.219	5.6	.281	7.1
36	930-004✳14	2.188	55.6	2.438	61.9	2.750	69.9	.219	5.6	.281	7.1

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Series 93 Gaskets

For Series 80 Mighty Mouse Connectors

809-108 Flange Gasket

809-108 flange gaskets fit Glenair Series 80 square flange connectors. Available in a variety of materials, these gaskets provide environmental protection and EMI shielding.

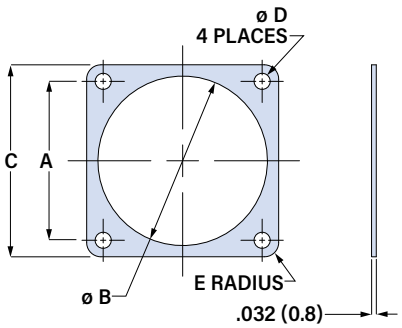
TABLE 1 MATERIAL CODE

EMI Gaskets

C	**Silicone Filled With Silver-Plated Aluminum** MIL-G-83528 Type B, CHO-SEAL 1285, 100 dB shielding @ 10GHz, good corrosion resistance, -55 to +200 °C, blue
X	**Fluorosilicone Filled With Silver-Plated Aluminum** MIL-G-83528 Type D, CHO-SEAL 1298, 90 dB shielding @ 10GHz, good corrosion resistance, resists jet fuels and solvents, -55 to +200 °C, tan

Non-Conductive Gaskets

F	Fluorosilicone
E	EPDM
V	Viton



Series 800

Series 800 Shell Size	Part No. ✳ = Material Code	A ±.015 (0.4) in	A mm	øB ±.015 (0.4) in	B mm	C ±.015 (0.4) in	C mm	øD ±.015 (0.4) in	D mm	E Rad in	E Rad mm
5	809-108✳01	.363	9.2	.342	8.7	.527	13.4	.093	2.4	.078	2.0
6	809-108✳02	.423	10.7	.405	10.3	.588	14.9	.093	2.4	.078	2.0
7	809-108✳03	.483	12.3	.467	11.9	.650	16.5	.125	3.2	.078	2.0
8	809-108✳04	.542	13.8	.530	13.5	.709	18.0	.125	3.2	.078	2.0
9	809-108✳05	.719	18.3	.593	15.1	.938	23.8	.125	3.2	.105	2.7
10	809-108✳06	.719	18.3	.655	16.6	.938	23.8	.125	3.2	.105	2.7
12	809-108✳07	.812	20.6	.780	19.8	1.031	26.2	.125	3.2	.105	2.7

Series 801

Series 801 Shell Size	Part No. ✳ = Material Code	A ±.015 (0.4) in	A mm	øB ±.015 (0.4) in	B mm	C ±.015 (0.4) in	C mm	øD ±.015 (0.4) in	D mm	E Rad in	E Rad mm
5	809-108✳11	.363	9.2	.342	8.7	.530	13.5	.093	2.4	.078	2.0
6	809-108✳12	.423	10.7	.405	10.3	.590	15.0	.093	2.4	.078	2.0
7	809-108✳13	.483	12.3	.467	11.9	.650	16.5	.093	2.4	.078	2.0
8	809-108✳14	.545	13.8	.530	13.5	.712	18.1	.093	2.4	.078	2.0
9	809-108✳16	.607	15.4	.560	14.2	.850	21.6	.125	3.2	.105	2.7
10	809-108✳15	.670	17.0	.655	16.6	.890	22.6	.125	3.2	.105	2.7
11	809-108✳45	.715	18.2	.717	18.2	.935	23.7	.125	3.2	.105	2.7
13	809-108✳17	.812	20.6	.842	21.4	1.030	26.2	.125	3.2	.105	2.7
16	809-108✳18	.981	24.9	1.030	26.2	1.219	31.0	.125	3.2	.105	2.7
17	809-108✳19	1.060	26.9	1.092	27.7	1.280	32.5	.125	3.2	.105	2.7
19	809-108✳44	1.191	30.3	1.218	30.9	1.432	36.4	.125	3.2	.105	2.7
21	809-108✳43	1.322	33.6	1.332	33.8	1.570	39.9	.125	3.2	.105	2.7

Series 802

Series 802 Shell Size	Part No. ✳ = Material Code	A ±.015 (0.4) in	A mm	øB ±.015 (0.4) in	B mm	C ±.015 (0.4) in	C mm	øD ±.015 (0.4) in	D mm	E Rad in	E Rad mm
5	809-108✳51	.500	12.7	.448	11.4	.885	22.5	.125	3.2	.105	2.7
6	809-108✳52	.625	15.9	.572	14.5	1.010	25.7	.125	3.2	.105	2.7
7	809-108✳53	.688	17.5	.635	16.1	1.072	27.2	.125	3.2	.105	2.7
8	809-108✳54	.750	19.1	.698	17.7	1.135	28.8	.125	3.2	.105	2.7
9	809-108✳55	.812	20.6	.760	19.3	1.195	30.4	.125	3.2	.105	2.7
10	809-108✳56	.875	22.2	.822	20.9	1.260	32.0	.125	3.2	.105	2.7
12	809-108✳57	.938	23.8	.885	22.5	1.323	33.6	.125	3.2	.105	2.7
14	809-108✳58	1.125	28.6	1.072	27.2	1.510	38.4	.125	3.2	.105	2.7
15	809-108✳59	1.188	30.2	1.135	28.8	1.573	40.0	.125	3.2	.105	2.7
21	809-108✳60	1.375	34.9	1.448	36.8	1.760	44.7	.125	3.2	.105	2.7

Series 805

Series 805 Shell Size	Part No. ✳ = Material Code	A ±.015 (0.4) in	A mm	øB ±.015 (0.4) in	B mm	C ±.015 (0.4) in	C mm	øD ±.015 (0.4) in	D mm	E Rad in	E Rad mm
8	809-108✳20	.660	16.8	.530	13.5	.850	21.6	.093	2.4	.078	2.0
9	809-108✳21	.723	18.4	.590	15.0	.913	23.2	.093	2.4	.078	2.0
10	809-108✳22	.785	19.9	.660	16.8	.975	24.8	.093	2.4	.078	2.0
11	809-108✳23	.848	21.5	.720	18.3	1.039	26.4	.093	2.4	.078	2.0
12	809-108✳24	.909	23.1	.780	19.8	1.099	27.9	.093	2.4	.078	2.0
13	809-108✳29	.973	24.7	.842	21.4	1.163	29.5	.093	2.4	.078	2.0
15	809-108✳25	1.058	26.9	.970	24.6	1.288	32.7	.125	3.2	.105	2.7
18	809-108✳26	1.255	31.9	1.160	29.5	1.475	37.5	.125	3.2	.105	2.7
19	809-108✳27	1.327	33.7	1.220	31.0	1.537	39.0	.125	3.2	.105	2.7
21	809-108✳30	1.452	36.9	1.342	34.1	1.663	42.2	.125	3.2	.105	2.7
23	809-108✳28	1.570	39.9	1.458	37.0	1.797	45.6	.125	3.2	.105	2.7

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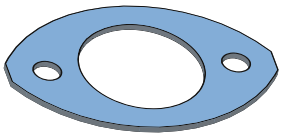
Series 93 Gaskets

For Series 803 Mighty Mouse and Series 806 Mil-Aero Connectors

809-108, 930-017 Flange Gaskets

809-108 FLANGE GASKET FOR SERIES 803 MIGHTY MOUSE BAYONET RECEPTACLES



Series 803 Shell Size	Part No. ✳ = Material Code	A ±.015 (0.4) in	A mm	øB ±.015 (0.4) in	B mm	C Max in	C mm	øD ±.015 (0.4) in	D mm
5	809-108✳31	.513	13.0	.345	8.8	.710	18.0	.460	11.7
6	809-108✳32	.598	15.2	.405	10.3	.795	20.2	.522	13.3
7	809-108✳33	.708	18.0	.475	12.1	.900	22.9	.590	15.0
8	809-108✳34	.964	24.5	.545	13.8	1.160	29.5	.670	17.0
9	809-108✳35	1.017	25.8	.605	15.4	1.215	30.9	.721	18.3
10	809-108✳36	1.101	28.0	.682	17.3	1.295	32.9	.795	20.2
12	809-108✳37	1.204	30.6	.757	19.2	1.400	35.6	.874	22.2
14	809-108✳38	1.280	32.5	.910	23.1	1.555	39.5	1.050	26.7
15	809-108✳39	1.370	34.8	.970	24.6	1.640	41.7	1.150	29.2

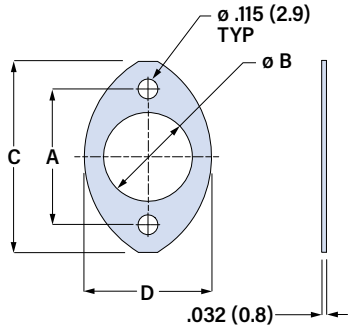


TABLE 1 MATERIAL CODE

EMI Gaskets		Non-Conductive Gaskets	
C	Silicone Filled With Silver-Plated Aluminum MIL-G-83528 Type B, CHO-SEAL 1285, 100 dB shielding @ 10GHz, good corrosion resistance, -55 to +200 °C, blue	F	Fluorosilicone
X	Fluorosilicone Filled With Silver-Plated Aluminum MIL-G-83528 Type D, CHO-SEAL 1298, 90 dB shielding @ 10GHz, good corrosion resistance, resists jet fuels and solvents, -55 to +200 °C, tan	E	EPDM
		V	Viton

930-017 FLANGE GASKET FOR SERIES 806 MIL-AERO RECEPTACLES

Series 806 Shell Size	Part No. ✳ = Material Code	A ±.015 (0.4) in	A mm	øB ±.015 (0.4) in	B mm	C ±.015 (0.4) in	C mm	øD ±.015 (0.4) in	D mm	E Rad in	E Rad mm
8	930-017✳-1	.531	13.5	.515	13.1	.815	20.7	.131	3.3	.130	3.3
9	930-017✳-2	.594	15.1	.582	14.8	.878	22.3	.131	3.3	.130	3.3
10	930-017✳-3	.625	15.9	.650	16.5	.906	23.0	.131	3.3	.130	3.3
11	930-017✳-4	.670	17.0	.717	18.2	.953	24.2	.131	3.3	.130	3.3
12	930-017✳-5	.765	19.4	.773	19.6	1.031	26.2	.131	3.3	.130	3.3
14	930-017✳-6	.859	21.8	.895	22.7	1.126	28.6	.131	3.3	.090	2.3
16	930-017✳-7	.938	23.8	1.020	25.9	1.220	31.0	.131	3.3	.130	3.3
18	930-017✳-8	1.016	25.8	1.130	28.7	1.311	33.3	.131	3.3	.090	2.3
20	930-017✳-9	1.109	28.2	1.280	32.5	1.437	36.5	.157	4.0	.130	3.3
22	930-017✳-10	1.203	30.6	1.405	35.7	1.563	39.7	.157	4.0	.130	3.3
24	930-017✳-11	1.312	33.3	1.530	38.9	1.689	42.9	.157	4.0	.180	4.6

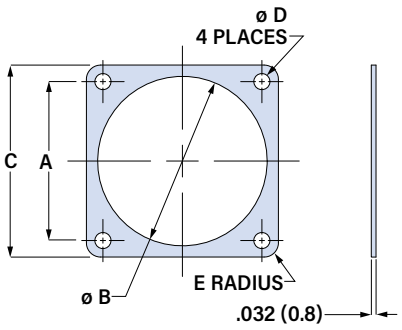


TABLE 1 MATERIAL CODE

EMI Gaskets		Non-Conductive Gaskets	
C	Silicone Filled With Silver-Plated Aluminum MIL-G-83528 Type B, CHO-SEAL 1285, 100 dB shielding @ 10GHz, good corrosion resistance, -55 to +200 °C, blue	F	Fluorosilicone
X	Fluorosilicone Filled With Silver-Plated Aluminum MIL-G-83528 Type D, CHO-SEAL 1298, 90 dB shielding @ 10GHz, good corrosion resistance, resists jet fuels and solvents, -55 to +200 °C, tan	E	EPDM
		V	Viton

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Series 93 Gaskets

For Series 970, MIL-DTL-28840 and MIL-PRF-28876

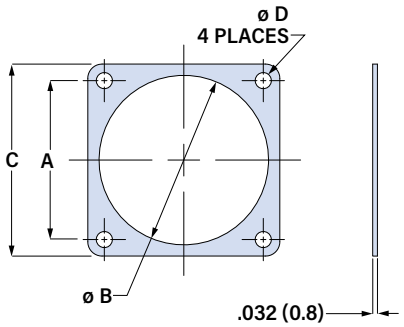
930-014, 930-006 Flange Gasket

930-014 FLANGE GASKET FOR SERIES 970 POWERTRIP CONNECTORS

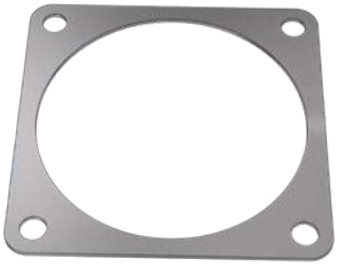
Series 806 Shell Size	Part No. ✳ = Material Code	A ±.015 (0.4) in	A mm	øB ±.015 (0.4) in	B mm	C ±.015 (0.4) in	C mm	øD ±.015 (0.4) in	D mm
18	930-014✳18	1.015	25.8	1.187	30.1	1.383	35.1	.146	3.7
20	930-014✳20	1.140	29.0	1.374	34.9	1.508	38.3	.146	3.7
24	930-014✳24	1.281	32.5	1.562	39.7	1.718	43.6	.146	3.7
28	930-014✳28	1.568	39.8	1.874	47.6	2.138	54.3	.170	4.3
32	930-014✳32	1.734	44.0	2.062	52.4	2.328	59.1	.170	4.3
36	930-014✳36	1.984	50.4	2.302	58.5	2.578	65.5	.170	4.3
40	930-014✳40	2.234	56.7	2.562	65.1	2.828	71.8	.170	4.3

TABLE 1 MATERIAL CODE

EMI Gasket	
X	**Fluorosilicone Filled With Silver-Plated Aluminum** MIL-G-83528 Type D, CHO-SEAL 1298, 90 dB shielding @ 10GHz, good corrosion resistance, resists jet fuels and solvents, -55 to +200 °C, tan
Non-Conductive Gaskets	
F	**Fluorosilicone (blue)**
V	**Viton (black)**



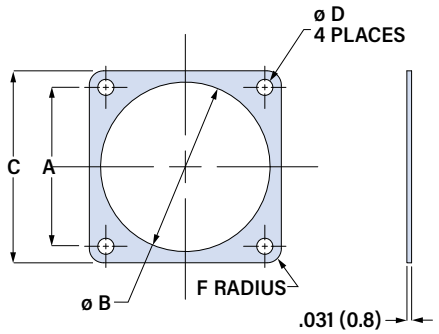
930-006 FLANGE GASKET FOR MIL-DTL-28840 AND MIL-PRF-28876 RECEPTACLES



Shell Size	Part No. ✳ = Material Code	A ± .010 (0.3) in	A mm	øB + .016 (0.2) -.000 0.0) in	B mm	C + .016 (0.2) -.000 0.0) in	C mm	øD ± .010 (0.3) in	D mm	F Rad ± .010 (0.3) in	F mm
A (11)	930-006✳11	.750	19.1	.750	19.1	1.023	26.0	.120	3.0	.141	3.6
B (13)	930-006✳13	.843	21.4	.875	22.2	1.138	28.9	.120	3.0	.141	3.6
C (15)	930-006✳15	.968	24.6	1.062	27.0	1.258	32.0	.120	3.0	.141	3.6
D (17)	930-006✳17	1.015	25.8	1.125	28.6	1.383	35.1	.120	3.0	.156	4.0
E (19)	930-006✳19	1.140	29.0	1.312	33.3	1.508	38.3	.120	3.0	.172	4.4
F (23)	930-006✳23	1.281	32.5	1.500	38.1	1.718	43.6	.120	3.0	.188	4.8
G (25)	930-006✳25	1.392	35.4	1.625	41.3	1.818	46.2	.147	3.7	.188	4.8
H (29)	930-006✳29	1.568	39.8	1.875	47.6	2.138	54.3	.147	3.7	.219	5.6
J (33)	930-006✳33	1.734	44.0	2.062	52.4	2.328	59.1	.173	4.4	.219	5.6

TABLE 1 MATERIAL CODE

EMI Gaskets		**Non-Conductive Gaskets**	
B	**Fluorosilicone with Silver-Plated Aluminum Filler** MIL-G-83528 Type D, CHO-SEAL 1298, 90 dB shielding @ 10GHz, good corrosion resistance, resists jet fuels and solvents, -55 to +200 °C, beige	F	**Fluorosilicone (blue)**
C	**Silicone with Embedded Monel Wire Mesh** Corrosion-resistant QQ-N-281 nickel-copper alloy wire embedded in silicone, good EMI shielding, -55 to +260 °C, grey	N	**Neoprene (black)**
M	**Silicone with Oriented Monel Wire** QQ-N-281 nickel-copper alloy wire embedded into the z-axis, good EMI shielding, -55 to +200 °C, grey	S	**Silicone (red)**
		V	**Viton (black)**



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QPL AND COMMERCIAL

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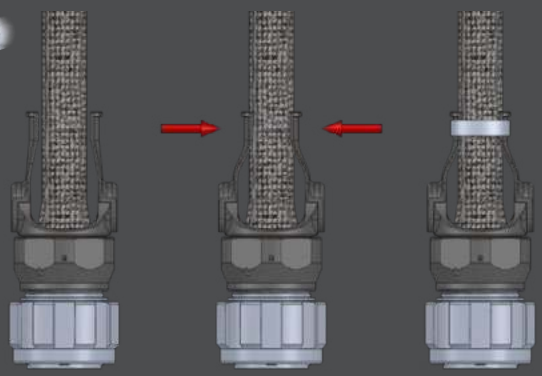
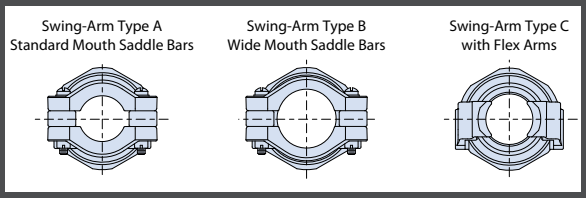
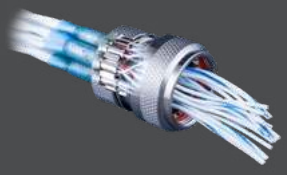


THREE STYLES OF SWING-ARM STRAIN RELIEF CLAMPS

- **Style A - standard mouth, rigid saddle bars**
- **Style B - wide mouth (for larger cable diameters), rigid saddle bars**
- **Style C Swing-Arm FLEX - no saddle bars, self-centering round cable strain relief**

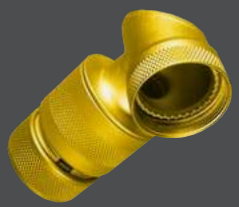


BACKSHELL AND CONNECTOR ACCESSORY INNOVATION SHOWCASE



StarShield™ zero-length shield termination backshell

Leonardo's ProSeal spring-action protective cover



Space-grade Qwik Clamp backshell

Ultra low-profile backshell

BacNav OFS™ repositionable EMI/EMP backshell

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