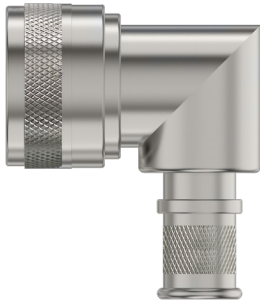


Series 44 Banding Backshells

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).

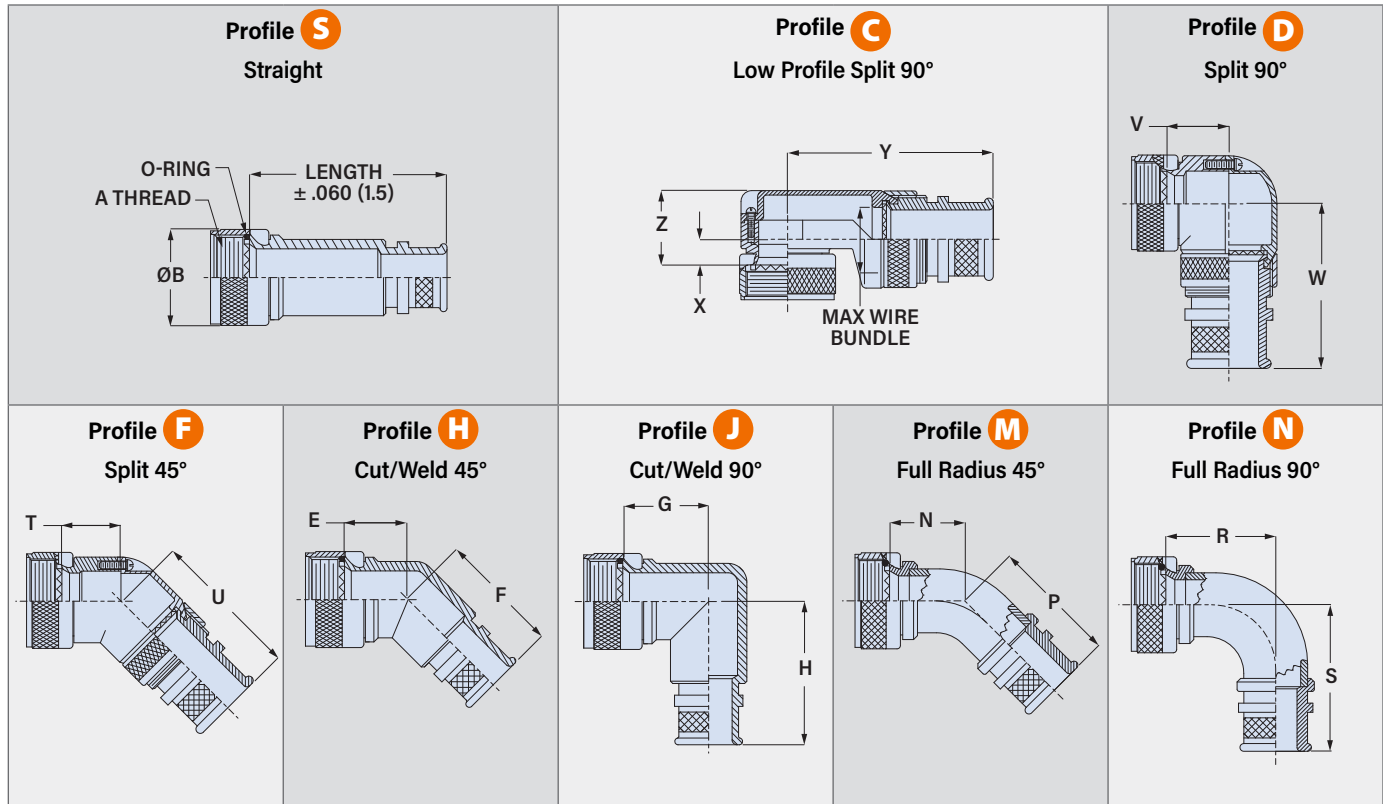
PART NUMBER

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											
ZI	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  entry size cannot exceed shell size range listed in table.												
	Length	3	1.5 inches	Applies to Profile  only.									
4		2.0 inches	If Entry Size is greater than "Maximum Entry Size" (see table), then 2 inch										
5		2.5 inches	Entry Size" (see table), then 2 inch										
6		3.0 inches	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											
	TI	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



Shell Size	A Thread UNEF-2B	ØB Max in mm	E Max. in mm	F Max. in mm	G Max. in mm	H Max. in mm	N Max. in mm	P Max. in mm	R Max. in mm	S Max. in 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

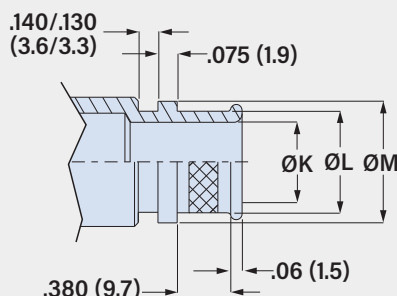
Shell Size	T Max. in mm	U Max. in mm	V Max. in mm	W Max. in mm	X Max. in mm	Y Max. in mm	Z Max. in mm	Profile C Max. Wire Bundle in mm
8/9	.44 11.2	1.635 41.5	.68 17.3	1.575 40.0	.34 8.6	1.915 48.6	.681 17.3	.250 6.4
10/11	.50 12.7	1.695 43.1	.75 19.1	1.635 41.5	.27 6.9	2.075 52.7	.731 18.6	.375 9.5
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

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	±.015 (0.4) in	±.015 (0.4) mm	±.015 (0.4) in	±.015 (0.4) mm
01	08-24	.125	3.2	.250	6.4
31	08-24	.188	4.8	.312	7.9
02	08-24	.250	6.4	.375	9.5
32	10-24	.312	7.9	.438	11.1
03	10-24	.375	9.5	.500	12.7
33	12-24	.438	11.1	.562	14.3
04	12-24	.500	12.7	.625	15.9
34	14-24	.562	14.3	.688	17.5
05	14-24	.625	15.9	.750	19.1
35	16-24	.688	17.5	.812	20.6
06	16-24	.750	19.1	.875	22.2
36	18-24	.812	20.6	.938	23.8

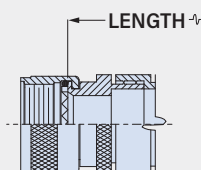
MAXIMUM ENTRY SIZE

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.

⚠ Profile **G** backshells are not available with entry sizes larger than shown in table.

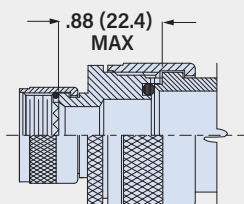
Shell Size	Max. Entry Size	Shell Size	Max. Entry Size
8/9	02	18/19	07
10/11	03	20/21	08
12/13	04	22/23	09
14/15	05	24/25	10
16/17	06		

Style 2 Straight Backshell



For Style 2 straight backshells, the minimum length code increases from 3 (1 1/2 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).

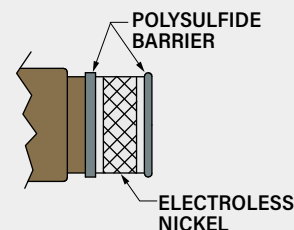


Entry Sizes	Shrink Boot P/N	Adhesive Lined Shrink Boot P/N
01-31	770-003S111	770-003S111W1
02-32	770-003S112	770-003S112W1
03	770-001S103	770-001S103W1
33-35	770-001S104	770-001S104W1
06-37	770-001S105	770-001S105W1
08-38	770-001S106	770-001S106W1
09-12	770-001S107	770-001S107W1
13-14	770-001S108	770-001S108W1
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.

