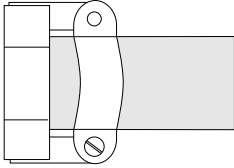


MS3057-A CABLE CLAMP

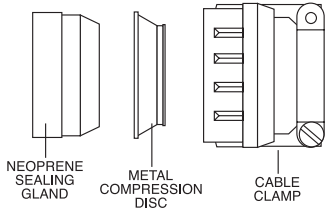


Standard MS3057 cable clamps have a dual clamping action to provide a balanced, positive hold on the wires and greatly reduce moisture transmission. This cable clamp accepts MS3420 bushings. MS3420 bushings can be nested to reduce the inside diameter to more closely match the diameter of the cable or wire bundle.

SHELL SIZE	THREAD 2B	STANDARD CLAMP				STANDARD CLAMP AND TELESCOPIC BUSHING		
		LOW COST CAST ZINC	ALUMINUM W/ BRASS SCREWS	ALUMINUM W/ STAINLESS STEEL SCREWS	MAXIMUM CABLE DIAMETER INCH (MM)	LOW COST ZINC WITH BUSHING	INCLUDES THIS BUSHING	BUSHING ID
8S/ 10S	1/2-28UNEF	97-3057-1003*	MS3057-3A	M85049/41-3A	.220 (5.58)	97-3057-1003*-1	MS3420-3	0.130 (3.3)
10SL	5/8-24UNEF	97-3057-1004*	MS3057-4A	M85049/41-4A	.312 (7.92)	97-3057-1004*-1	MS3420-4	0.220 (5.6)
12/12S/12SL	5/8-24UNEF	97-3057-1004*	MS3057-4A	M85049/41-4A	.312 (7.92)	97-3057-1004*-1	MS3420-4	0.220 (5.6)
14/14S	3/4-20UNEF	97-3057-1007*	MS3057-6A	M85049/41-6A	.438 (11.13)	97-3057-1007*-1	MS3420-6	0.312 (7.9)
16/16S	7/8-20UNEF	97-3057-1008*	MS3057-8A	M85049/41-8A	.562 (14.27)	97-3057-1008*-1	MS3420-8	0.437 (11.1)
18	1-20UNEF	97-3057-1010*	MS3057-10A	M85049/41-10A	.625 (15.88)	97-3057-1010*-1	MS3420-10	0.562 (14.3)
20/22	1 3/16-18UNEF	97-3057-1012*	MS3057-12A	M85049/41-12A	.750 (19.05)	97-3057-1012*-1	MS3420-12	0.625 (15.9)
24/28	1 7/16-18UNEF	97-3057-1016*	MS3057-16A	M85049/41-16A	.938 (23.83)	97-3057-1016*-1	MS3420-16, -12	0.625 (15.9)
32	1 3/4-18UNS	97-3057-1020*	MS3057-20A	M85049/41-20A	1.250 (31.75)	97-3057-1020*-1	MS3420-20, -16	0.750 (19.1)
36	2-18UNS	97-3057-1024*	MS3057-24A	M85049/41-24A	1.375 (34.92)	97-3057-1024*-1	MS3420-24, -20	0.937 (23.8)
40	2 1/4UNS-16	-	MS3057-28A	M85049/41-28A	1.625 (41.28)	-	-	-

*Default plating - Olive drab chromate over cadmium
 -621 = Black Alloy (RoHS)
 -640 = Conductive Black Alloy (RoHS)

MS3057-C WATERPROOF CABLE CLAMP

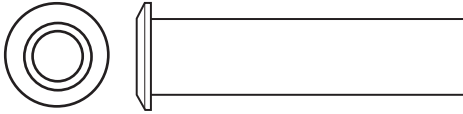


Standard MS3057-C waterproof cable clamp with mechanical strain relief for use with style F, L and T endbells. Internal neoprene gland and compression ring will seal a broad range of round cable diameters as listed below. For reduction of cable diameters, order the appropriate MS3420A bushing in table.

SHELL SIZE	PART NUMBER	WIRE DIAMETER		OPTIONAL BUSHINGS	
		MAX.	MIN.	PART NUMBER	MAX. WIRE DIA.
10SL/12S	MS3057-4C	.312 (7.93)	.188 (4.80)	MS3420-4A	.219 (5.56)
14S	MS3057-6C	.438 (11.12)	.281 (7.10)	MS3420-6A MS3420-4A	.312 (7.93) .219 (5.56)
16/16S	MS3057-8C	.530 (13.48)	.312 (.90)	MS3420-8A MS3420-6A	.438 (11.10) .312 (7.93)
18	MS3057-10C	.625 (15.87)	.375 (9.50)	MS3420-10A MS3420-6A	.438 (11.10) .312 (7.93)
20/22	MS3057-12C	.750 (19.00)	.500 (12.70)	MS3420-12A MS3420-8A	.540 (13.74) .438 (11.10)
24/28	MS3057-16C	.940 (23.8)	.625 (15.90)	MS3420-16A MS3420-12A MS3420-8A	.750 (19.00) .540 (13.74) .438 (11.10)
32	MS3057-20C	1.25 (31.75)	.921 (23.4)	MS3420-20A MS3420-16A MS3420-12A	.938 (23.80) .750 (19.00) .540 (13.74)
36	MS3057-24C	1.38 (35.00)	1.00 (25.40)	MS3420-24A MS3420-18A MS3420-16A	1.12 (28.5) .938 (23.80) .750 (19.00)
40	MS3057-28C	1.62 (41.25)	1.25 (31.80)	MS3420-28A MS3420-20A MS3420-16A	1.25 (31.75) .940 (23.80) .750 (19.00)

All dimensions in inches (millimeters in parenthesis)

MS3420 TELESCOPING BUSHINGS



For use with style A cable clamps and CB/CT style E/F endbells to eliminate dust, dirt and oil from entering the cable clamp. Bushings can be nested, one inside the other, to reduce the inside diameter and form a better seal against the cable jacket. Each bushing will accept the next smallest bushing.

SHELL SIZE	1ST BUSHING PART NUMBER	INSIDE DIAMETER	2ND NESTED BUSHING	INSIDE DIAMETER	FITS IN CABLE CLAMP
10SL	MS3420-4	.220 (5.59)	NONE	-	MS3057-4A
12S	MS3420-4	.220 (5.59)	NONE	-	MS3057-4A
14S	MS3420-6	.312 (7.92)	NONE	-	MS3057-6A
16S	MS3420-8	.437 (11.10)	NONE	-	MS3057-8A
16	MS3420-8	.437 (11.10)	NONE	-	MS3057-8A
18	MS3420-10	.562 (14.30)	NONE	-	MS3057-10A
20	MS3420-12	.625 (15.90)	NONE	-	MS3057-12A
22	MS3420-12	.625 (15.90)	NONE	-	MS3057-12A
24	MS3420-16	.750 (19.05)	MS3420-12	.625 (15.90)	MS3057-16A
28	MS3420-16	.750 (19.05)	MS3420-12	.625 (15.90)	MS3057-16A
32	MS3420-20	.937 (23.80)	MS3420-16	.750 (19.05)	MS3057-20A
36	MS3420-24	1.250 (31.75)	MS3420-20	.937 (23.80)	MS3057-24A
40	MS3420-28	1.375 (34.92)	MS3420-24	1.250 (31.75)	SE96-28A4

MS3420-A REDUCTION BUSHINGS



For use with MS3057-C cable clamps (Style C) to reduce the wire sealing diameter. Bushings can be nested, one inside the other, to progressively reduce the inside diameter of the cable clamp. The column labeled Optional Bushings shows the acceptable nesting options for each clamp.

9767 CABLE CLAMPS

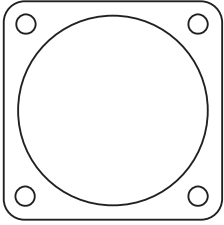


9767 waterproof cable clamp with mechanical strain relief. An internal, neoprene gland-seal bushing and compression washer will seal a broad range of round cable diameters as listed below.

SHELL SIZE	CABLE CLAMP PART NUMBER	MAX. CABLE OD		MIN. CABLE OD		THREAD 2B
		INCHES	(MM)	INCHES	(MM)	
10SL, 12S	9767-12-4*	0.219	(5.55)	0.020	(0.51)	5/8-24 UNEF
14S	9767-14-4*	0.219	(5.55)	0.020	(0.51)	3/4-20 UNEF
14S	9767-14-6*	0.344	(8.73)	0.176	(4.47)	3/4-20 UNEF
16S, 16	9767-16-4*	0.219	(5.55)	0.020	(0.51)	7/8-20 UNEF
16S, 16	9767-16-6*	0.344	(8.73)	0.176	(4.47)	7/8-20 UNEF
16S, 16	9767-16-8*	0.438	(11.12)	0.177	(4.50)	7/8-20 UNEF
18	9767-18-6*	0.344	(8.73)	0.176	(4.47)	1-20 UNEF
18	9767-18-8*	0.438	(11.12)	0.177	(4.50)	1-20 UNEF
18	9767-18-10*	0.563	(14.29)	0.292	(7.42)	1-20 UNEF
20, 22	9767-22-8*	0.438	(11.12)	0.177	(4.50)	1-3/16-18 UNEF
20, 22	9767-22-10*	0.563	(14.29)	0.292	(7.42)	1-3/16-18 UNEF
20, 22	9767-22-12*	0.688	(17.46)	0.370	(9.40)	1-3/16-18 UNEF
24, 28	9767-28-10*	0.563	(14.29)	0.292	(7.42)	1-7/16-18 UNEF
24, 28	9767-28-12*	0.688	(17.46)	0.370	(9.40)	1-7/16-18 UNEF
24, 28	9767-28-16*	0.844	(21.43)	0.536	(13.61)	1-7/16-18 UNEF
32	9767-32-20*	1.031	(26.19)	0.590	(14.99)	1-3/4-18 UNS
36	9767-36-16*	0.844	(21.43)	0.536	(13.61)	2-18 UNS

*Default plating - Olive drab chromate over cadmium -621=Black Alloy (RoHS) -640=Conductive Black Alloy (RoHS)
All dimensions in inches (millimeters in parenthesis)

GASKETS

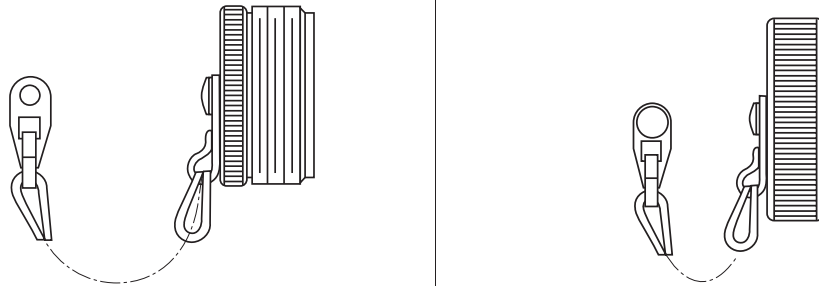


POLYCHLOROPRENE gaskets are used to insure a moisture-tight seal between a receptacle and the panel. Gaskets are available for front or rear panel mounting of STYLE 0, 2 and 9 connectors. Gasket thickness is approximately .037" (1.0 mm).

ALU-FLEX gaskets contain an imbedded metal screen for EMI/RFI shielding in addition to moisture sealing. Gaskets are available for front or rear panel mounting of STYLE 0, 2 and 9 connectors. Gasket thickness is .019" (.5 mm).

SHELL SIZE	FRONT MOUNTING		REAR MOUNTING	
	NON-CONDUCTIVE	CONDUCTIVE	NON-CONDUCTIVE	CONDUCTIVE
10S, 10SL	MS52000-2	075-8512-001	075-8501-000	075-8501-001
12S, 12	MS52000-3	075-8513-001	075-8502-000	075-8502-001
14S, 14	MS52000-4	075-8514-001	075-8503-000	075-8503-001
16S	MS52000-5	075-8515-001	075-8504-000	075-8504-001
16	MS52000-5	075-8515-001	075-8504-000	075-8504-001
18	MS52000-6	075-8516-001	075-8505-000	075-8505-001
20	MS52000-7	075-8517-001	075-8506-000	075-8506-001
22	MS52000-8	075-8518-001	075-8507-000	075-8507-001
24	MS52000-9	075-8519-001	075-8508-000	075-8508-001
28	MS52000-10	075-8520-001	075-8509-000	075-8509-001
32	MS52000-12	075-8521-001	075-8510-000	075-8510-001
36	MS52000-13	075-8522-001	075-8511-000	075-8511-001

METAL DUST CAPS WITH SASH CHAIN



SHELL SIZE	FOR PLUG STYLES 4 & 6	FOR RECEPTACLE STYLES 0, 1, 2, 7, & 9
10SL	MS25042-10D*	MS25043-10D*
12S	MS25042-12D*	MS25043-12D*
14S	MS25042-14D*	MS25043-14D*
16S	MS25042-16D*	MS25043-16D*
16	MS25042-16D*	MS25043-16D*
18	MS25042-18D*	MS25043-18D*
20	MS25042-20D*	MS25043-20D*
22	MS25042-22D*	MS25043-22D*
24	MS25042-24D*	MS25043-24D*
28	MS25042-28D*	MS25043-28D*
32	MS25042-32D*	MS25043-32D*
36	MS25042-36D*	MS25043-36D*

* Select plating code A = Anodized Omit for chromate over cadmium

DUMMY RECEPTACLES



Dummy Receptacles are for front or rear panel mounting. CT/MS series have threaded ramps; the center of the connector is closed. Dummy receptacles mount on the same centers and have the same outside dimensions as a STYLE 2 receptacle. The material is aluminum alloy and has an olive chromate over cadmium plating. A version with a clearance hole through the middle of the connector is also available. Contact us for ordering information.

SHELL SIZE	CT/MS
10SL	MS3105-10S
12S/12	MS3105-12S
14S/14	MS3105-14S
16S	MS3105-16S
16	MS3105-16
18	MS3105-18
20	MS3105-20
22	MS3105-22
24	MS3105-24
28	MS3105-28
32	MS3105-32
36	MS3105-36

⇒ See Accessories section for sealing screws on page 326