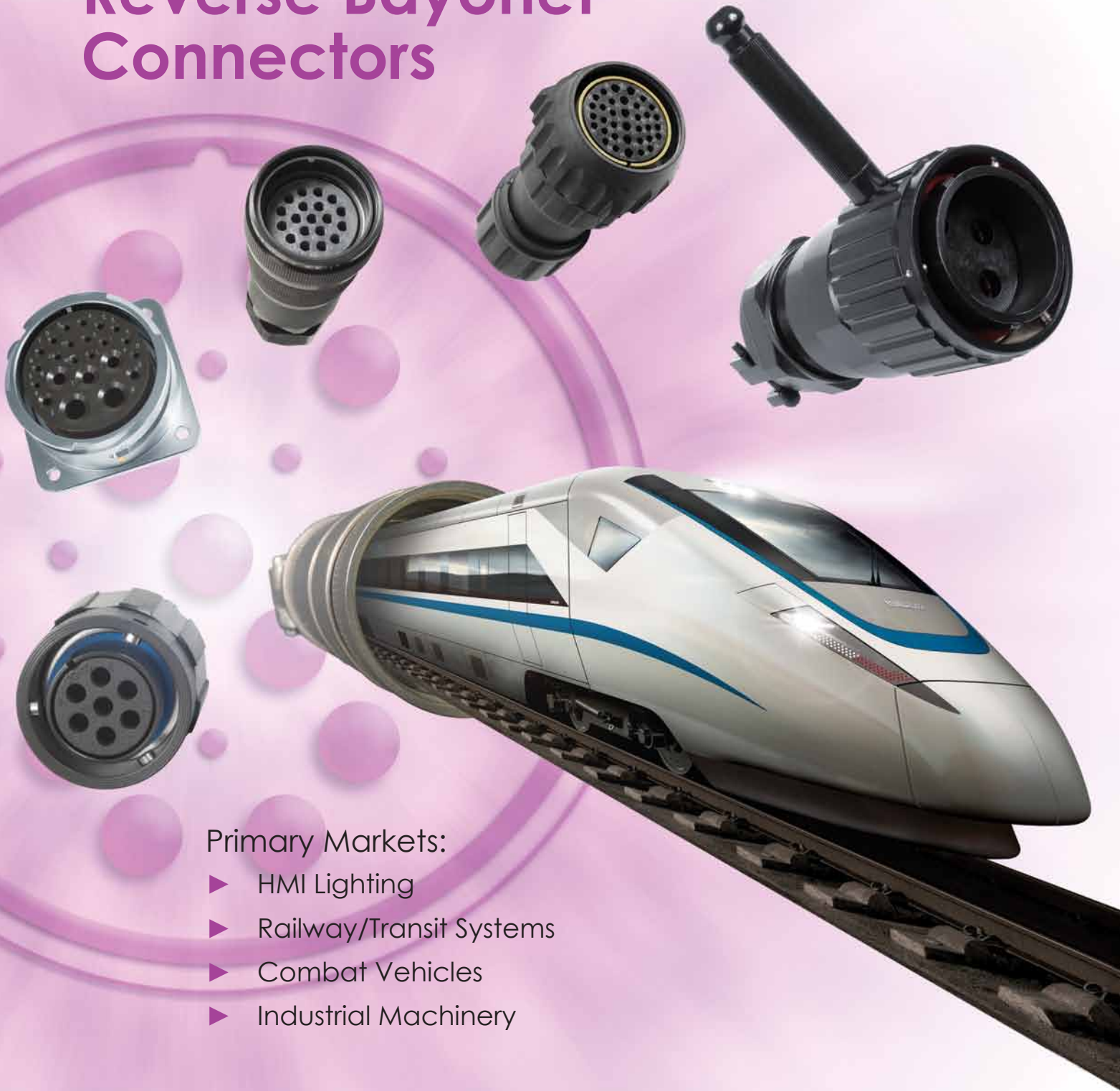


SPACECRAFT COMPONENTS CORP.

Your Connector Consultant Since 1962

Multi-Pin Cylindrical Reverse Bayonet Connectors



Primary Markets:

- ▶ HMI Lighting
- ▶ Railway/Transit Systems
- ▶ Combat Vehicles
- ▶ Industrial Machinery



**SPACECRAFT
COMPONENTS CORP.**

CATALOG 302

SECTION 2C

SCPB SERIES

CONNECTOR ACCESSORY

QUICK REFERENCE

(FOR COMPLETE DETAILS ON THESE PARTS SEE **SPACECRAFT CATALOG 401**)

ACCESSORY	SOLDER or F80 CRIMP
BACKSHELLS, ENVIRONMENTAL	
STRAIGHT - CABLE SEALING GLAND	B002*AB
STRAIGHT - FOR ANAMET CONDUIT	B031A*AB
STRAIGHT - FOR PG ADAPTER	B033A*AB
STRAIGHT - FOR PIPE THREAD (PT) ADAPTERS	B035A*AB
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037A*AB
45° - CABLE SEALING GLAND	B002CC-AB
90° - CABLE SEALING GLAND	B002D-AB
BACKSHELLS, ENVIRONMENTAL EMI/RFI	
STRAIGHT - CONE TYPE	B004*AB
STRAIGHT - INVERTED CONE	B015*AB
STRAIGHT - 2 RING	B023*AB
STRAIGHT - LIGHTWEIGHT	B043*AB
45° - CONE TYPE	B004CC-AB
45° - INVERTED CONE TYPE	B005CC-AB
45° - 2 RING TYPE	B023CC-AB
45° - LIGHTWEIGHT	B043CC-AB
90° - CONE TYPE	B004D-AB
90° - INVERTED CONE TYPE	B015D-AB
90° - 2 RING TYPE	B023D-AB
90° - LIGHTWEIGHT	B043D-AB
BACKSHELLS, NON-ENVIRONMENTAL	
STRAIGHT	B001A-AB B001B-AB
45°	B001CC-AB
90°	B001D-AB

* Additional alpha-numerics are required to complete part number.

ACCESSORY	SOLDER or F80 CRIMP
BACKSHELLS, NON-ENVIRONMENTAL EMI/RFI	
STRAIGHT - CONE TYPE	B003*AB
STRAIGHT - INVERTED CONE TYPE	B014*AB
STRAIGHT - LIGHTWEIGHT	B043*AB
45° - CONE TYPE	B003CC-AB
45° - INVERTED CONE TYPE	B014CC-AB
45° - LIGHTWEIGHT	B042CC-AB
90° - CONE TYPE	B003D-AB
90° - INVERTED CONE TYPE	B014D-AB
90° - LIGHTWEIGHT	B043D-AB
BACKSHELLS, POTTING BOOTS & RINGS	
	NOTE 1
BACKSHELLS, SHIELD TERMINATIONS	
STRAIGHT - CRIMP RING - FOR SHRINK BOOT	B005*AB
STRAIGHT - CRIMP RING TYPE	B007*AB
45° - CRIMP RING - FOR SHRINK BOOT	B005CC*AB
45° - CRIMP RING TYPE	B007CC*AB
90° - CRIMP RING - FOR SHRINK BOOT	B005D*AB
90° - CRIMP RING TYPE	B007D*AB
SHIELD CRIMP RING	B049AF26-2
BACKSHELLS, SHORTING CANS	
	B012*AB B013*AB
BACKSHELLS, SHRINK BOOT ADAPTERS	
STRAIGHT BOOT ADAPTER	B006A*AB B006B*AB

NOTE 1 Contact Sales Department for part numbers and availability.

CONTINUED ON NEXT PAGE

SCPB SERIES

CONNECTOR ACCESSORY QUICK REFERENCE

CONTINUED FROM PREVIOUS PAGE

ACCESSORY	SOLDER or F80 CRIMP
BACKSHELLS, STRAIN RELIEF/CABLE CLAMPS	
STRAIGHT - CABLE CLAMP	MS3057-*A
	MS3057-*B
	MS3057-*C
DUMMY RECEPTACLES	
	DRP19
	SCPB05-*
DUST CAPS	
METAL, FOR PLUG	DCP19
	SCPB*TV
METAL, FOR RECEPTACLE	DCR19
	SCPB*TF
GASKET FOR FLANGE MOUNT RECEPTACLES	
ENVIRONMENTAL - EMI/RFI	M83528/004
ENVIRONMENTAL	MS51007-*
	MS52000-*
JAM NUTS	
	SC3186-*
MOUNTING PLATES	
	B049AF94
	B049AF95
	B049AF96
RUBBER BUSHINGS	
	MS3420-*
	MS3420-*A
SEALING PLUGS	
	MS25251
	M527488

NOTE 1 Contact Sales Department for part numbers and availability.



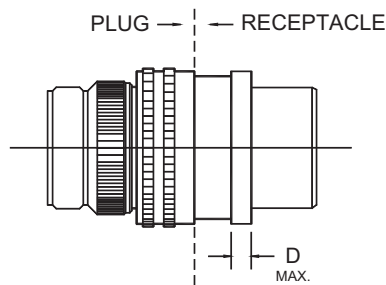
SECTION 6C ACCESSORIES AND RECEPTACLE MOUNTING DATA

6C

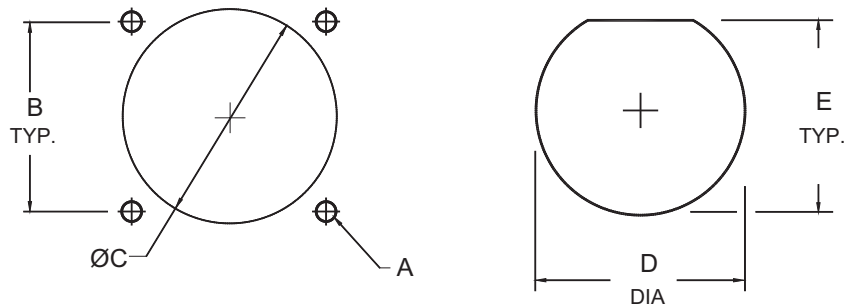
MOUNTING DATA FOR RECEPTACLES

MAXIMUM PANEL THICKNESS

MAXIMUM PANEL THICKNESS



PANEL CUT-OUT DIMENSIONS



SHELL SIZE	D		
	00,02 020,26	03 030,038	TB SERIES
10SL	.146 [3.70]	.283 [7.20]	.393 [10.0]
14S	.146 [3.70]	.283 [7.20]	.378 [9.60]
16S	.146 [3.70]	.283 [7.20]	.378 [9.60]
16	.146 [3.70]	.295 [7.50]	.543 [13.8]
18	.146 [3.70]	.295 [7.50]	.512 [13.0]
20	.146 [3.70]	.295 [7.50]	.512 [13.0]
22	.146 [3.70]	.295 [7.50]	.512 [13.0]
24	.207 [5.25]	.295 [7.50]	.449 [11.4]
28	.207 [5.25]	.323 [8.20]	.488 [12.4]
32	.241 [6.10]	.295 [7.50]	.354 [9.0]
36	.241 [6.10]	.295 [7.50]	.354 [9.0]
40	.237 [6.00]	.295 [7.50]	.354 [9.0]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SHELL SIZE	A	B ±.004	C DIAMETER		D	E
	00,02,020 03,030	00,02,020 03,030	FRONT MOUNT 00,02,020	REAR MOUNT 03,030	JAM NUT 07,070	JAM NUT 07,070
10SL	.126	.717	.6875	.750	.875	.83
14S	.126	.906	.8125	1.000	1.125	1.08
16S/16	.126	.969	.9375	1.125	1.250	1.21
18	.126	1.063	1.0625	1.250	1.375	1.32
20	.126	1.157	1.1875	1.375	1.500	1.45
22	.126	1.252	1.3125	1.500	1.625	1.57
24	.146	1.374	1.4375	1.625	1.750	1.70
28	.146	1.563	1.6875	1.875	2.000	1.95
32	.169	1.752	1.9375	2.125	2.250	2.20
36	.169	1.937	2.125	2.375	2.500	2.45
40	.169	2.185	2.375	2.625	2.750	2.70

GROMMET HOLE SEALING RANGE

HOLE SIZE	SEALING RANGE
18-20	.039-.082 (1.0-2.1)
16	.090-.118 (2.3-3.0)
12	.126-.177 (3.2-4.5)
8	.150-.256 (3.8-6.5)
4	.279-.366 (7.1-9.3)
0	.394-.539 (10.0-13.7)

RECOMMENDED TORQUE FORCES CONNECTOR BACKSHELLS

SIZE	IN./LB MAX.	SIZE	IN./LB MAX.
10SL	26	22	85
14S	44	24	90
16	50	28	114
16S	50	32	120
18	55	36	153
20	65	40	170

MS3057-*A

CABLE CLAMP

FOR ALL SERIES HAVING A THREADED BACKSHELL

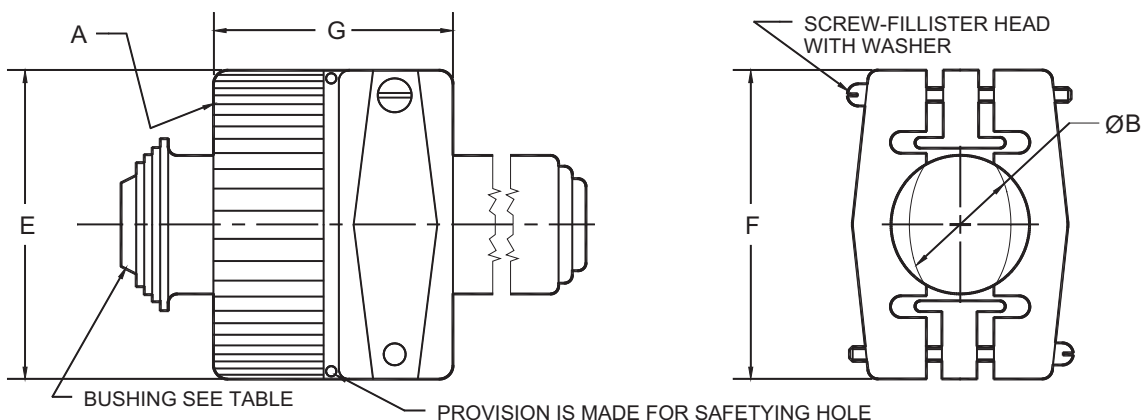
MS3057 - 20A C

MIL SPEC ———
DASH NUMBER ———
See Dimension Table below.

FINISH/MATERIAL

MS3057	FINISH	MATERIAL
Blank	Cadmium, olive drab 48 hr. salt spray	Aluminum alloy
A	Cadmium, olive drab over suitable underplate, 1000 hr. salt spray	
C	Cadmium, olive drab, 48 hr salt spray	
N	Electroless nickel	

Note: Bushing can be "telescoped" to achieve a smaller sealing diameter.



DASH NO.	CONNECTOR SHELL SIZE (REF)	A THREAD CLASS 2B	B MAX	ØE ±.031 [±0.79]	F ±.031 [±0.79]	G ±.031 [±0.79]	BUSHING (REF) (a)
-3A	8S & 10S	.500-28 UNEF	.250 [6.35]	.688 [17.48]	.812 [20.62]	.812 [20.62]	MS3420-3
-4A	10SL, 12S & 12	.625-24 UNEF	.312 [7.92]	.812 [20.62]	.875 [22.22]		MS3420-4
-6A	14S & 14	.750-20 UNEF	.438 [11.13]	.969 [24.61]	1.062 [26.97]	.875 [22.22]	MS3420-6
-8A	16S & 16	.875-20 UNEF	.562 [14.27]	1.094 [27.79]	1.156 [29.36]	.938 [23.83]	MS3420-8
-10A	18	1.000-20 UNEF	.625 [15.87]	1.188 [30.18]	1.250 [31.75]		MS3420-10
-12A	20 & 22	1.188-20 UNEF	.750 [19.05]	1.375 [34.92]	1.469 [37.31]		MS3420-12
-16A	24 & 28	1.438-18 UNEF	.938 [23.83]	1.656 [42.06]	1.688 [42.88]	1.031 [26.19]	MS3420-16
-20A	32	1.750-18 UNS	1.250 [31.75]	2.031 [51.59]	2.031 [51.59]	1.094 [27.79]	MS3420-20
-24A	36	2.000-18 UNS	1.375 [34.92]	2.219 [56.36]	2.281 [57.94]	1.156 [29.36]	MS3420-24
-28A	40	2.250-16 UN	1.625 [41.27]	2.500 [63.50]	2.688 [68.28]	1.688 [42.88]	MS3420-28
-32A	44	2.500-16 UN	1.875 [47.62]	2.781 [70.64]	2.938 [74.63]	1.750 [44.45]	MS3420-32
-40A	48	3.000-16 UN	2.375 [60.32]	3.281 [83.34]	3.500 [88.90]		MS3420-40

- (a) TELESOPING BUSHINGS ARE NOT SUPPLIED WITH CLAMPS.
- DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

MS3420

TELESCOPING RUBBER BUSHING

MS3420 - 16

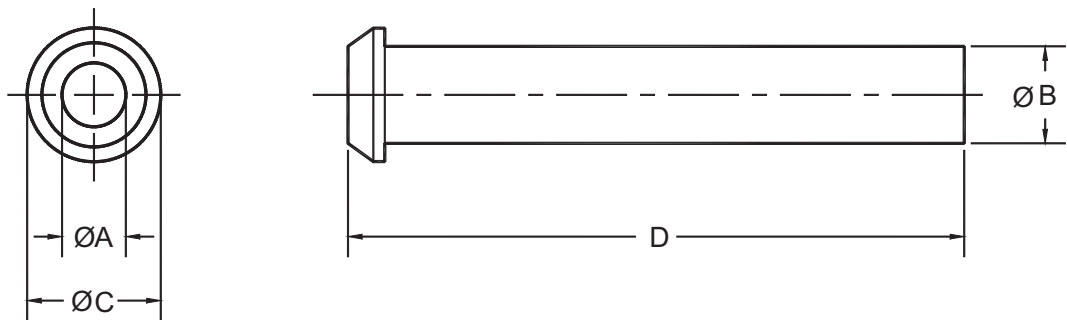
MIL SPEC

Standard material & color is
black neoprene.

DASH NUMBER

See Dimension Table below.

FOR USE WITH MS3057*A CABLE CLAMPS



DASH NO.	ØA	ØB	ØC	D	MS3420-* SUPERSEDES	
					AN3420	MS39056
-3	.130 [3.30]	.210 [5.33]	.379 [9.63]	2.875 [73.02]	-3	-1
-4	.220 [5.59]	.302 [7.67]	.505 [12.83]	2.750 [69.85]	-4	-2
-6	.312 [7.92]	.427 [10.85]	.619 [15.72]	2.625 [66.67]	-6	-3
-8	.437 [11.10]	.552 [14.02]	.744 [18.90]	2.500 [63.50]	-8	-4
-10	.562 [14.27]	.615 [15.62]	.869 [22.07]	2.375 [60.32]	-10	-5
-12	.625 [15.87]	.740 [18.80]	1.064 [27.03]	2.250 [57.15]	-12	-6
-16	.750 [19.05]	.927 [23.55]	1.314 [33.38]	2.125 [53.97]	-16	-7
-20	.937 [23.80]	1.240 [31.50]	1.596 [40.54]	2.000 [50.80]	-20	-8
-24	1.250 [31.75]	1.365 [34.67]	1.847 [46.91]	1.875 [47.62]	-24	-9
-28	1.375 [34.92]	1.614 [41.00]	2.085 [52.96]	1.750 [44.45]	-28	-10
-32	1.624 [41.25]	1.864 [47.35]	2.335 [59.31]	1.625 [41.27]	-32	-11
-40	1.874 [47.60]	2.364 [59.90]	2.835 [72.01]	1.500 [38.10]	-40	-12

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

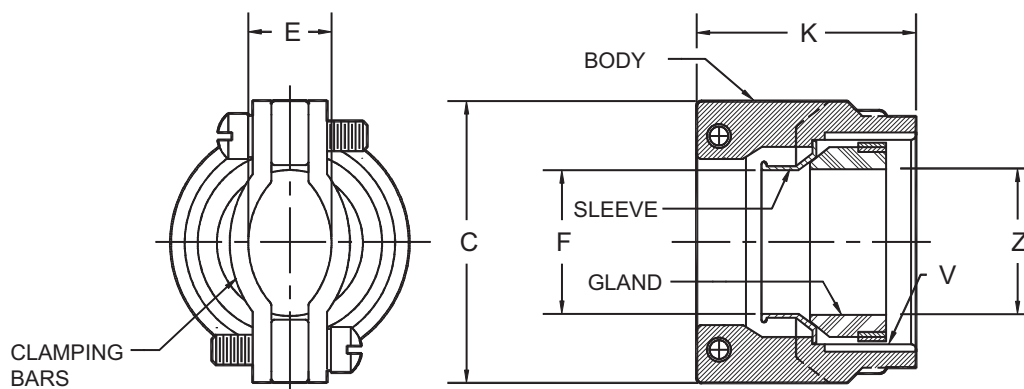
MS3057 - 20C

MIL SPEC — DASH NUMBER

See Dimension Table below.

MATERIAL: ALUMINUM ALLOY
FINISH: CADMIUM, OLIVE DRAB, 48 HR SALT SPRAY

Note: Bushing can be "telescoped" to achieve a smaller sealing diameter.

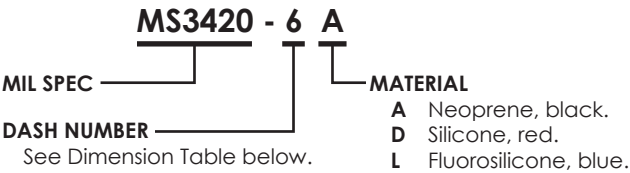


DASH NO.	CONNECTOR SHELL SIZE (REF)	C MAX	E MAX CLOSED	F +.020 -.000 [+0.51] [-0.00]	K MAX	V THREAD CLASS 2B	ØZ APPROX. (GLAND)		BUSHING (REF) (a)
							FREE	CLOSED	
-3C	8S & 10S	.812 [20.62]	.217 [5.51]	.231 [5.87]	1.375 [34.92]	.500-28 UNEF	.219 [5.56]	.031 [0.79]	MS3420-3A
-4C	10SL, 12S & 12	.937 [23.80]	.296 [7.52]	.315 [8.00]	1.375 [34.92]	.625-24 UNEF	.312 [7.92]	.094 [2.39]	MS3420-4A
-6C	14S & 14	1.062 [26.97]	.390 [9.91]	.440 [11.18]	1.375 [34.92]	.750-20 UNEF	.438 [11.13]	.250 [6.35]	MS3420-6A
-8C	16S & 16	1.188 [30.18]	.434 [11.02]	.515 [13.08]	1.375 [34.92]	.875-20 UNEF	.531 [13.49]	.312 [7.92]	MS3420-8A
-10C	18	1.312 [33.32]		.614 [15.60]	1.437 [36.50]	1.000-20 UNEF	.625 [15.87]	.375 [9.52]	MS3420-10A
-12C	20 & 22	1.562 [39.67]	.596 [15.14]	.738 [18.75]	1.437 [36.50]	1.188-20 UNEF	.750 [19.05]	.500 [12.70]	MS3420-12A
-16C	24 & 28	1.750 [44.45]		.926 [23.52]	1.562 [39.67]	1.438-18 UNEF	.938 [23.83]	.594 [15.09]	MS3420-16A
-20C	32	2.250 [57.15]	.858 [21.79]	1.200 [30.48]	1.812 [46.02]	1.750-18 UNS	1.250 [31.75]	.938 [23.83]	MS3420-20A
-24C	36	2.375 [60.32]		1.363 [34.62]	1.812 [46.02]	2.000-18 UNS	1.375 [34.92]	.969 [24.61]	MS3420-24A
-28C	40	2.625 [66.67]	1.107 [28.12]	1.611 [40.92]	2.062 [52.37]	2.250-16 UN	1.625 [41.27]	1.188 [30.18]	MS3420-28A
-32C	44	2.812 [71.42]	1.421 [36.09]	1.865 [47.37]	2.188 [55.58]	2.500-16 UN	1.875 [47.62]	1.375 [34.92]	MS3420-32A

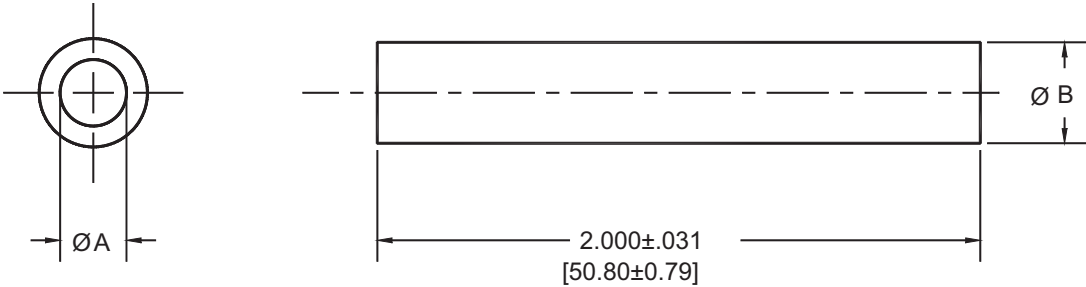
1. (a) TELESOPING BUSHINGS ARE NOT SUPPLIED WITH CLAMPS.
2. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

MS3420-*A

TELESCOPING RUBBER BUSHING



For use with MS3057*C Cable Clamps

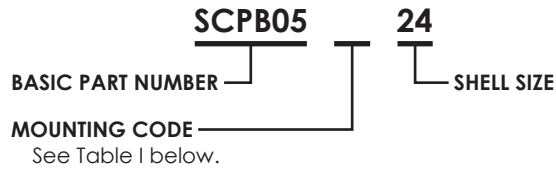


DASH NO.	ØA	ØB	MS3420-*A SUPERSEDES	
			AN3420	MS39057
-3	.125 [3.17]	.210 [5.33]	-3A	-1
-4	.219 [5.56]	.302 [7.67]	-4A	-2
-6	.312 [7.92]	.427 [10.85]	-6A	-3
-8	.438 [11.13]	.531 [13.49]	-8A	-4
-10	.438 [11.13]	.615 [15.62]	-10A	-5
-12	.541 [13.74]	.740 [18.80]	-12A	-6
-16	.750 [19.05]	.927 [23.55]	-16A	-7
-18	.938 [23.83]	1.115 [28.32]	-18A	-8
-20	.938 [23.83]	1.240 [31.50]	-20A	-9
-24	1.125 [28.57]	1.365 [34.67]	-24A	-10
-28	1.250 [31.75]	1.614 [41.00]	-28A	-11
-32	1.625 [41.27]	1.865 [47.37]	-32A	-12
-40	1.875 [47.62]	2.365 [60.07]	-40A	-13

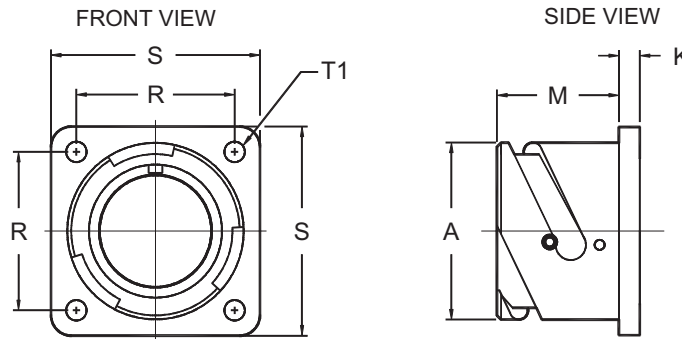
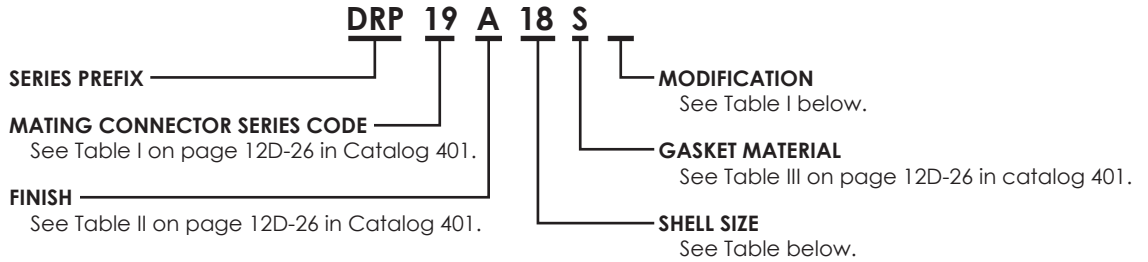
DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

DRP19 SCPB05

DUMMY RECEPTACLE



MATERIAL: Aluminum alloy
FINISH: Cadmium olive drab, 48 hr. salt spray



ENVIRONMENTAL WHEN USED WITH A FLANGE SEALING GASKET SCP36675 OR SCP40450

MOUNTING HOLE OPTIONS
 See Table I.

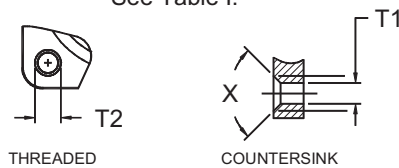


TABLE I. MOUNTING HOLE CODES

CODE	MOUNTING HOLES TYPE
NONE	THRU HOLES - STANDARD
FF	METRIC THREAD
UN	UNC THREAD
FS	METRIC COUNTERSINK (X=90°)
FSM	UN COUNTERSINK (X=82°)

SHELL SIZE	FRONT VIEW					SIDE VIEW		
	R ±0.1	S ±0.3	T1 +0.1 -0.0	T2 THREAD		A +0.00 -0.15	K ±0.2	M +0.4 -0.0
				METRIC	UNC			
10SL	18.2	25.4	3.2	M4	8-32UNC	18.2	2.8	14.2
14S	23.0	30.0	3.2	M4	8-32UNC	24.6	3.2	14.2
16S	24.6	32.5	3.2	M4	8-32UNC	27.4	3.2	14.2
16	24.6	32.5	3.2	M4	8-32UNC	27.4	3.2	19.0
18	27.0	35.0	3.2	M4	8-32UNC	30.8	4.0	19.0
20	29.4	38.0	3.2	M4	8-32UNC	34.2	4.0	19.0
22	31.8	41.0	3.2	M4	8-32UNC	37.4	4.0	19.0
24	34.9	44.5	3.7	M4	10-24UNC	40.9	4.0	20.6
28	39.7	50.8	3.7	M5	10-24UNC	46.7	4.0	20.6
32	44.5	57.0	4.3	M5	1/4-20UNC	53.4	4.0	22.2
36	49.2	63.5	4.3	M5	1/4-20UNC	59.6	4.0	22.2
40	55.5	69.8	4.3	M5	1/4-20UNC	65.5	4.0	22.2

DIMENSIONS ARE IN MM.

DCP19 SCPB*TV

DUST CAP FOR PLUG

DCP 19 A 16 S C 08 - 04

DUST CAP STYLE
DCP Dust cap for plug.
DCR Dust cap for receptacle.

MATING CONNECTOR SERIES CODE
See Table I on page 13D-36 in Catalog 401.

FINISH
See Table II on page 13D-36 in Catalog 401.

SHELL SIZE
See Table below.

END FITTING DESIGNATION
See Tables V & VI on page 13D-37 in Catalog 401.

LENGTH OF ATTACHMENT (±.250)
Designate in 1/2" increments.
(Always use two digits. i.e., 08=4 inches,
12=6 inches, etc.)

ATTACHMENT CODE
See Table IV on page 13D-37 in Catalog 401.

GASKET MATERIAL
See Table III on page 13D-36 in Catalog 401.

SCPB 24 TV

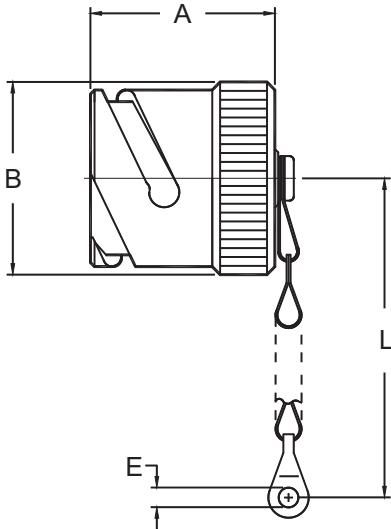
SERIES PREFIX

SHELL SIZE
10SL, 12S, 14S, 16, 16S,
18, 20, 22, 24, 32, 36, 40.

CONFIGURATION
TV Dust cap for plug.

MATERIAL: Cap - Aluminum alloy
Chain - Stainless steel

FINISH: Cadmium, olive drab

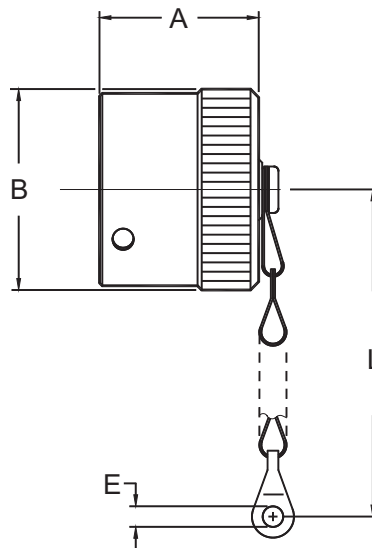
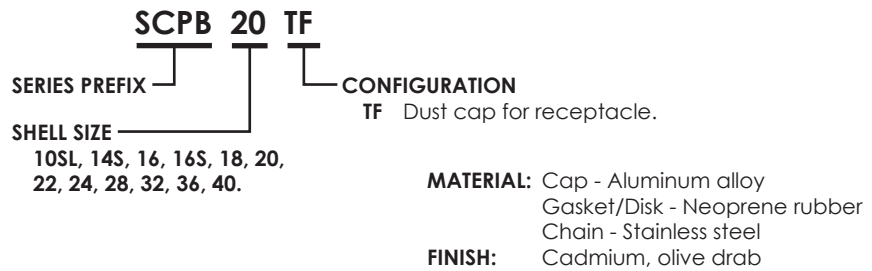
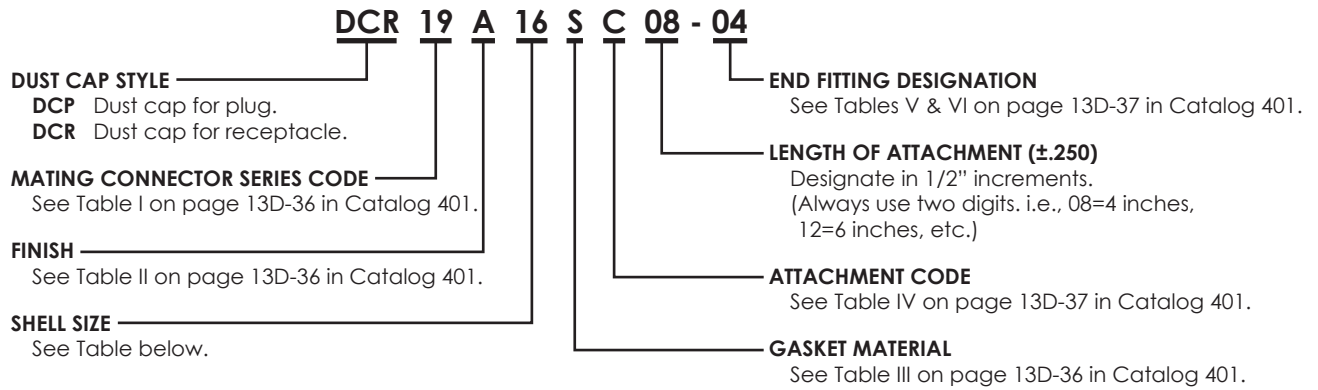


SHELL SIZE	FOR PLUGS SCPB(G) 06, 08, 064, 065				
	PART NUMBER	A MAX.	B MAX.	E +0.5 -0.25	L APPX.
10SL	SCPB10SLTV	29	21	4.4	108
12S	SCPB14STV	29	27.5	4.4	123
14S	SCPB16STV	29	30	4.4	123
16	SCPB16TV	37	30	4.4	123
16S	SCPB18TV	37	33.5	4.4	123
18	SCPB20TV	37	37	4.8	138
20	SCPB22TV	37	40	4.8	138
22	SCPB24TV	37	43.5	4.8	138
24	SCPB28TV	37	49.5	4.8	206
32	SCPB32TV	37	56	5.6	206
36	SCPB36TV	37	62.5	5.6	206
40	SCPB40TV	37	67.7	5.6	206

DIMENSIONS ARE IN MM.

SCPB*TF DCR19

DUST CAP FOR RECEPTACLE

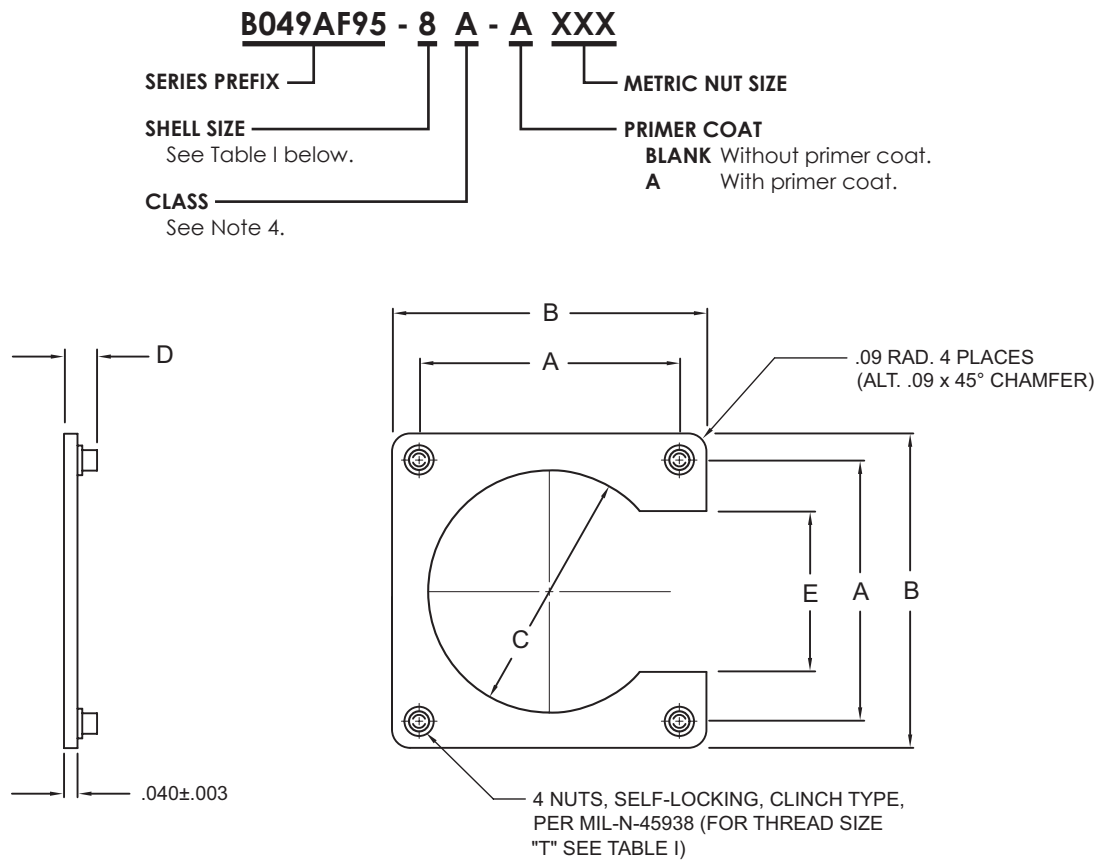


SHELL SIZE	PART NUMBER	A MAX.	B MAX.	E +0.5 -0.25	L APPROX.
10SL	SCPB10SLTF	20.0	23.5	4.4	108
14S	SCPB14STF	20.0	30.5	4.4	108
16	SCPB16STF	20.0	33	4.4	108
16S	SCPB16TF	25.0	33	4.4	123
18	SCPB18TF	25.0	37.5	4.4	123
20	SCPB20TF	25.0	41	4.4	123
22	SCPB22TF	25.0	44	4.4	123
24	SCPB24TF	25.0	47.5	4.4	123
28	SCPB28TF	25.0	54.5	5.6	206
32	SCPB32TF	25.0	61	5.6	206
36	SCPB36TF	25.0	67.5	5.6	206
40	SCPB40TF	25.0	73	5.6	206

DIMENSIONS ARE IN MM.

B049AF95

3/4 MOUNT, TYPE II (MEDIUM DUTY) NUT PLATE



- Notes:
1. Dimensions are in inches
 2. Unless otherwise specified.
 3. Classes represent shell size variances (see Table I).

TABLE I

PART NUMBER B049AF95	CLASS	SHELL SIZE	T THRD UNC-3B	A ± .003	B ± .015	C + .015 - .000	D	E + .002 - .030
10	A	10	4-40	.719	1.019	.720	.106/.166	.433
	B		6-32	.812	1.178	.749	.123/.183	.433
12	A	12	4-40	.812	1.104	.855	.106/.166	.530
	B		6-32	.938	1.312	.938	.123/.183	.526
14	A	14	4-40	.906	1.198	.984	.106/.166	.624
	B		6-32	1.031	1.406	1.031	.123/.183	.620
16	A	16	4-40	.969	1.280	1.094	.106/.166	.687
	B		6-32	1.125	1.500	1.125	.123/.183	.683
18	A	18	4-40	1.062	1.406	1.220	.106/.166	.780
	B		6-32	1.203	1.578	1.234	.123/.183	.776
20	A	20	4-40	1.156	1.535	1.345	.106/.166	.874
	B		6-32	1.297	1.688	1.359	.123/.183	.865
22	A	22	4-40	1.250	1.665	1.478	.106/.166	.968
	B		6-32	1.375	1.738	1.483	.123/.183	.907
24	A	24	6-32	1.500	1.891	1.560	.123/.183	1.000
	B		6-32	1.375	1.785	1.595	.123/.183	1.031
28	A	28	6-32	1.562	2.000	1.820	.123/.183	1.125
32	A	32	6-32	1.750	2.312	2.062	.123/.183	1.188
36	A	36	6-32	1.938	2.500	2.312	.123/.183	1.375

B049AF95 METRIC NUT PLATE

3/4 MOUNT, TYPE II (MEDIUM DUTY) NUT PLATE

PART NUMBER	SHELL SIZE	T THREAD	A ± .08	B ±.4	C +.038 -.00	D	E ±.5
B049AF95-10SLA-A-M2.5	10SL	M2.5 x 0.45	18.26	25.88	17.47	2.6/4.2	11.00
B049AF95-10SLA-A-M3	10SL	M3 x 0.5	18.26	25.88	17.47	2.7/4.2	11.00
B049AF95-14SA-A-M2.5	14S	M2.5 x 0.45	23.01	30.28	24.20	2.6/4.2	15.75
B049AF95-14SA-A-M3	14S	M3 x 0.5	23.01	30.28	24.20	2.7/4.2	15.75
B049AF95-16SA-A-M2.5	16S	M2.5 x 0.45	24.61	31.87	27.78	2.6/4.2	17.34
B049AF95-16SA-A-M3	16S	M3 x 0.5	24.61	31.87	27.78	2.7/4.2	17.34
B049AF95-16SA-A-M2.5	16S	M2.5 x 0.45	24.61	31.87	27.78	2.6/4.2	17.34
B049AF95-16-A-A-M3	16	M3 x 0.5	24.61	31.87	27.78	2.7/4.2	17.34
B049AF95-18A-A-M2.5	18	M2.5 x 0.45	26.97	34.24	30.10	2.6/4.2	19.71
B049AF95-18A-A-M3	18	M3 x 0.5	26.97	34.24	30.10	2.7/4.2	19.71
B049AF95-20A-A-M2.5	20	M2.5 x 0.45	29.36	38.10	33.15	2.6/4.2	21.97
B049AF95-20A-A-M3	20	M3 x 0.5	29.36	38.10	33.15	2.7/4.2	21.97
B049AF95-22A-A-M2.5	22	M2.5 x 0.45	31.75	40.46	36.27	2.6/4.2	23.04
B049AF95-22A-AM3	22	M3 x 0.5	31.75	40.46	36.27	2.7/4.2	23.04
B049AF95-24A-A-M3.5	24	M3 x 0.5	34.93	44.45	39.62	2.7/4.2	25.40
B049AF95-28A-A-M3	28	M3 x 0.5	39.67	50.80	46.23	2.7/4.2	28.58
B049AF95-28A-A-M4	28	M4 x 0.7	39.67	50.80	46.23	3.5/5.0	28.58
B049AF95-32A-A-M4	32	M4 x 0.7	44.45	58.73	52.37	3.5/5.0	30.18
B049AF95-36A-A-M4	36	M4 x 0.7	49.23	63.50	58.72	3.5/5.0	34.93
B049AF95-40A-A-M3.5	40	M3 x 0.5	55.58	74.30	67.95	2.7/4.2	38.10
B049AF95-40A-A-M4	40	M4 x 0.7	55.58	74.30	67.95	3.5/5.0	38.10

NOTE: All dimensions are in millimeters and symetrical about centerline

RIGHT ANGLE MOUNTING BRACKET

SCPB90 SERIES

SCPB 90 - 16 (024)

SERIES PREFIX

STYLE

SHELL SIZE

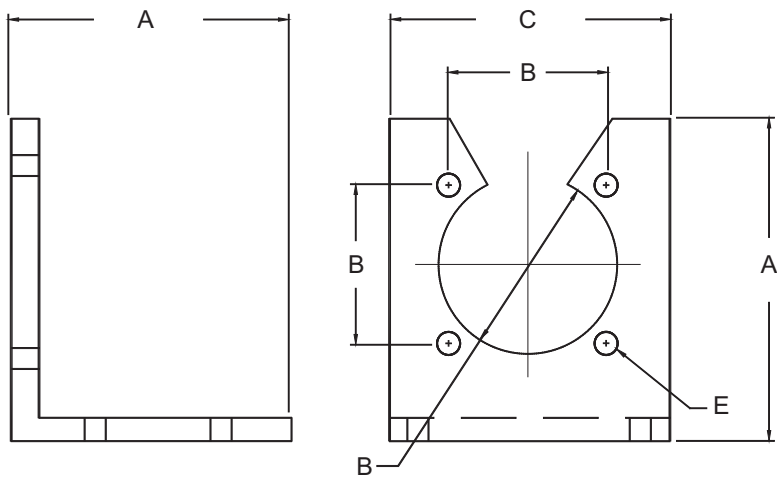
10SL, 14S, 16S, 16, 18,
20, 22, 24, 28, 32, 36, 40.

FINISH

BLANK Cadmium olive drab.

(024) Zinc colbalt, olive drab color.

(025) Zinc colbalt, black color.



SHELL SIZE	A ±0.25	B ±0.1	C ±0.1	D +0.1	E +0.15
10SL	38.10	18.21	38.10	17.45	3.20
14S	47.63	23.01	38.10	23.80	3.20
16S	47.63	24.61	38.10	26.21	3.20
16	47.63	24.61	38.10	26.21	3.20
18	53.97	26.97	50.80	29.46	3.20
20	57.15	29.41	50.80	33.30	3.20
22	57.15	31.80	50.80	36.50	3.20
24	60.33	34.90	50.80	40.31	3.86
28	66.68	39.70	63.50	47.62	3.86
32	69.85	44.50	63.50	52.37	4.45
36	76.20	49.20	76.20	60.32	4.45
40	82.55	55.60	76.20	65.50	4.45

DIMENSIONS ARE IN MM.

SCP40450, SCP40460

GASKETS FOR FLANGE MOUNT RECEPTACLES

For SCP, SWL & SWLD Series (AS50151 Threaded & Reverse Bayonet Coupling), MIL-DTL-22992

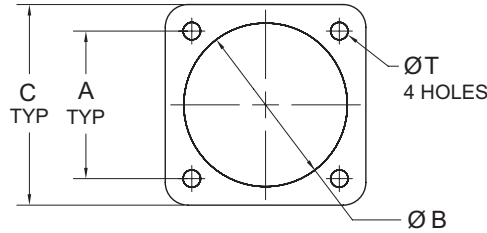
SCP40450 - 20 H

PART NUMBER _____

SHELL SIZE _____

MATERIAL _____

BLANK Neoprene 80 shore.
F Silicone.
FS Silicone with shielded wire mesh.
H Halogen-free.
S Shielded, wire mesh.



.041 [1.04] SCP36675
.021 [0.53]
.036 [0.91] SCP40450 &
.026 [0.66] SCP40460

AS50151 SHELL TYPES: MS3100*, MS3102*, MS3103*, SCP00*, SCP02*, TBF* FRONT PANEL MOUNT											
AS50151 REVERSE BAYONET SHELL TYPES: SCPB00*, SCPB02*, SCPB020*, SCPBTBF* FRONT PANEL MOUNT											
AS50151 REVERSE BAYONET SHELL TYPES: SCPB03*, SCPB030* REAR PANEL MOUNT											
SWL SERIES SHELL TYPES: SCP1070*, SCP1072*, SCP1074*, SCP1079* FRONT PANEL MOUNT											
SWLD SERIES SHELL TYPES: SCP17343, SCP17346 FRONT PANEL MOUNT											
					PART NUMBER (-67°F TO -278°F)	PART NUMBER (0°F TO +257°F) NOTE 2	A ±.010	B +.016 -.000	C +.016 -.000	ØT ±.010	Alternate Part # (See page 13D-2)
8S	—	—	—	—	SCP36675-8	SCP40450-8	.594 [15.09]	.500 [12.70]	.875 [22.23]	.172 [4.37]	930-0890-XXX
10S.10SL	10SL	—	10	—	SCP36675-10	SCP40450-10	.719 [18.26]	.626 [15.90]	1.000 [25.40]	.172 [4.37]	930-1090-XXX
—	—	10SL	—	—	—	SCP40460-10	.719 [18.26]	.717 [18.21]	1.000 [25.40]	.172 [4.37]	930-1091-XXX
12.12S	12S	—	12	—	SCP36675-12	SCP40450-12	.813 [20.65]	.750 [19.05]	1.094 [27.79]	.172 [4.37]	930-1290-XXX
—	—	12.12S	—	—	—	SCP40460-12	.813 [20.65]	.843 [21.40]	1.094 [27.79]	.172 [4.37]	930-1291-XXX
14.14S	14S	—	14	12	SCP36675-14	SCP40450-14	.906 [23.01]	.875 [22.23]	1.188 [30.18]	.172 [4.37]	930-1490-XXX
—	—	14.14S	—	—	—	SCP40460-14	.906 [23.01]	.968 [24.60]	1.188 [30.18]	.172 [4.37]	930-1491-XXX
16.16S	16S	—	16	14	SCP36675-16	SCP40450-16	.969 [24.60]	1.000 [25.40]	1.281 [32.54]	.172 [4.37]	930-1690-XXX
—	—	16.16S	—	—	—	SCP40460-16	.969 [24.60]	1.081 [27.40]	1.281 [32.54]	.172 [4.37]	930-1691-XXX
18	18	—	18	16	SCP36675-18	SCP40450-18	1.062 [27.00]	1.125 [28.58]	1.375 [34.93]	.203 [5.16]	930-1890-XXX
—	—	18	—	—	—	SCP40460-18	1.062 [27.00]	1.213 [30.80]	1.375 [34.93]	.203 [5.16]	930-1891-XXX
20	20	—	20	18	SCP36675-20	SCP40450-20	1.156 [29.36]	1.250 [31.75]	1.500 [38.10]	.203 [5.16]	930-2090-XXX
—	—	20	—	—	—	SCP40460-20	1.156 [29.36]	1.345 [34.20]	1.500 [38.10]	.203 [5.16]	930-2091-XXX
22	22	—	22	20	SCP36675-22	SCP40450-22	1.250 [31.75]	1.375 [34.93]	1.625 [41.28]	.203 [5.16]	930-2290-XXX
—	—	22	—	—	—	SCP40460-22	1.250 [31.75]	1.472 [37.40]	1.625 [41.28]	.203 [5.16]	930-2291-XXX
24	24	—	24	22	SCP36675-24	SCP40450-24	1.375 [34.93]	1.500 [38.10]	1.750 [44.45]	.203 [5.16]	930-2490-XXX
—	—	24	—	—	—	SCP40460-24	1.375 [34.93]	1.610 [40.90]	1.750 [44.45]	.203 [5.16]	930-2491-XXX
28	28	—	28	24	SCP36675-28	SCP40450-28	1.563 [39.70]	1.750 [44.45]	2.000 [50.80]	.203 [5.16]	930-2890-XXX
—	—	28	—	—	—	SCP40460-28	1.563 [39.70]	1.840 [46.70]	2.000 [50.80]	.203 [5.16]	930-2891-XXX
32	32	—	32	28	SCP36675-32	SCP40450-32	1.750 [44.45]	2.000 [50.80]	2.250 [57.15]	.219 [5.56]	930-3290-XXX
—	—	32	—	—	—	SCP40460-32	1.750 [44.45]	2.102 [53.40]	2.250 [57.15]	.219 [5.56]	930-3291-XXX
36	36	—	36	32	SCP36675-36	SCP40450-36	1.938 [49.23]	2.188 [55.58]	2.500 [63.50]	.219 [5.56]	930-3690-XXX
—	—	36	—	—	—	SCP40460-36	1.938 [49.23]	2.345 [59.60]	2.500 [63.50]	.219 [5.56]	930-3691-XXX
40	40	—	40	36	SCP36675-40	SCP40450-40	2.188 [55.58]	2.438 [61.93]	2.750 [69.85]	.219 [5.56]	930-4090-XXX
—	—	40	—	—	—	SCP40460-40	2.188 [55.58]	2.580 [65.50]	2.750 [69.85]	.219 [5.56]	930-4091-XXX
44	—	—	44	40	SCP36675-44	SCP40450-44	2.375 [60.33]	2.688 [68.28]	3.000 [76.20]	.219 [5.56]	930-4490-XXX
48	—	—	48	44	SCP36675-48	SCP40450-48	2.625 [66.68]	2.938 [74.63]	3.250 [82.55]	.219 [5.56]	930-4890-XXX

1. Dimensions in brackets [] are in millimeters.
2. For shielding add "S" after the part number.
3. For silicone material add "FS" after part number

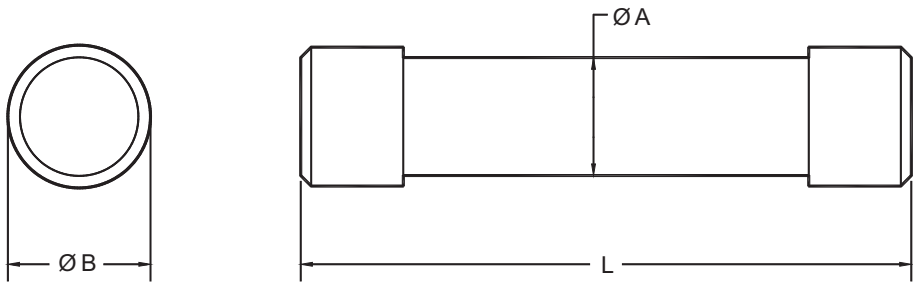
MS25251

SEALING PLUG

MS25251 - 8

MIL SPEC DASH NUMBER

See Dimension Table below.



DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	SUPERSEDED BY REV. L
-8	NYLON	8	WHITE	.200 [5.08]	.235 [5.97]	.479 [12.17]	MS27488-8
-12	NYLON	12	YELLOW	.150 [3.81]	.187 [4.75]	.479 [12.17]	MS27488-12
-16	NYLON	16	BLUE	.115 [2.92]	.152 [3.86]	.479 [12.17]	MS27488-16
-20	NYLON	20	RED	.095 [2.41]	.122 [3.10]	.385 [9.78]	MS27488-20

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

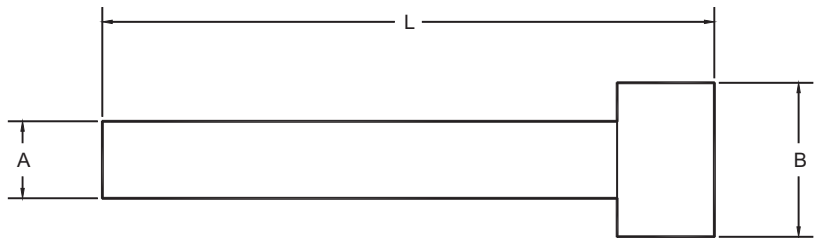
MS27488 REV L

SEALING PLUG

MS27488 - 4

MIL SPEC DASH NUMBER

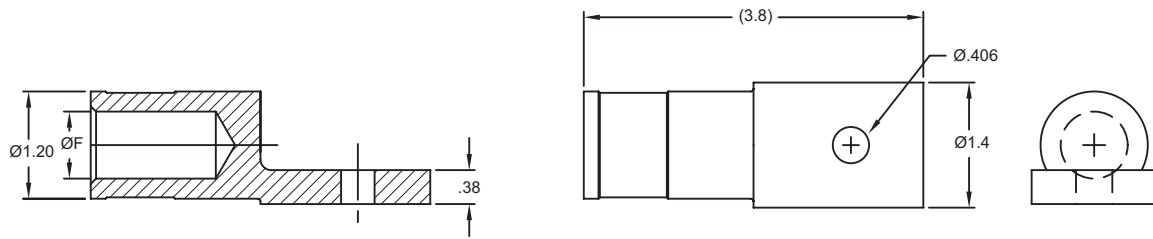
See Dimension Table below.



DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.
-0	TEFLON	0	YELLOW	.450 [11.43]	.610 [15.49]	1.010 [25.65]
-4	TEFLON	4	BLUE	.320 [8.13]	.420 [10.67]	.480 [12.19]
-8	TEFLON	8	RED	.195 [4.95]	.320 [8.13]	.480 [12.19]
-12	TEFLON	12	YELLOW	.131 [3.33]	.176 [4.47]	.584 [14.83]
-16	TEFLON	16	BLUE	.093 [2.36]	.138 [3.51]	.584 [14.83]
-20	TEFLON	20	RED	.065 [1.65]	.100 [2.54]	.584 [14.83]
-22	TEFLON	22	BLACK	.045 [1.14]	.068 [1.73]	.500 [12.70]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

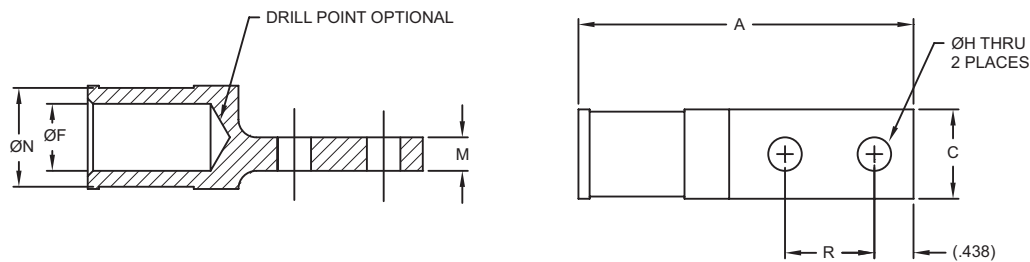
SINGLE HOLE TERMINAL LUGS



PART NUMBER	CABLE SIZE	ØF
998-9775-996	775/24	.752
998-9925-996	925/24	.813

DOUBLE HOLE

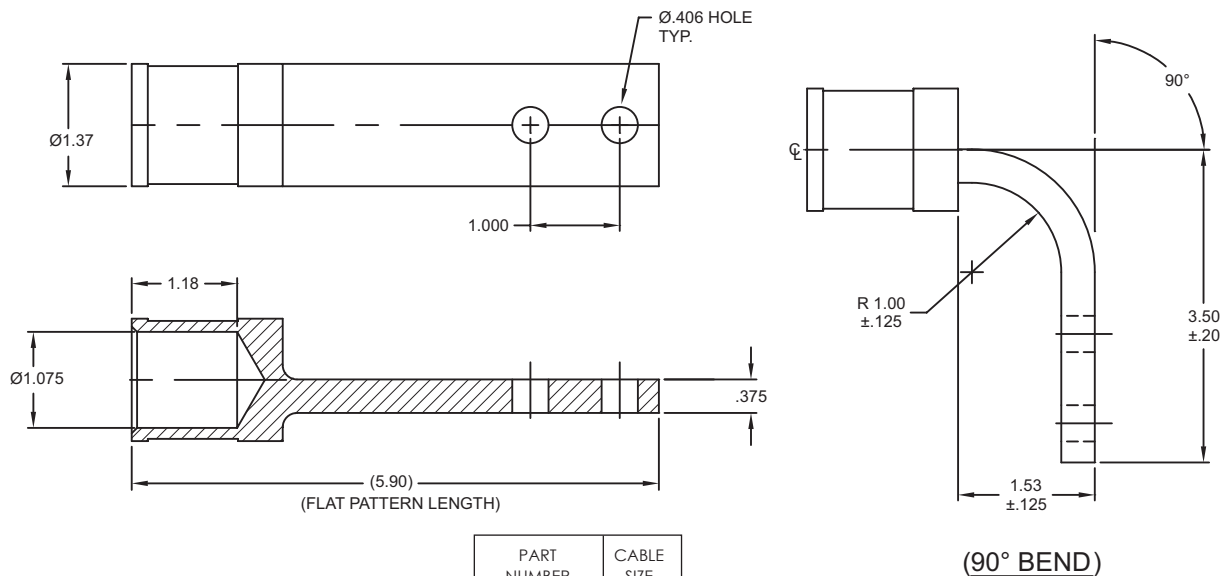
DOUBLE HOLE TERMINAL LUGS



PART NUMBER	CABLE SIZE	A	C	ØF	ØH	M	N	R
		±.094	MAX	±.03	±.015	±.039	±.030	±.015
SCPM275	275/24	3.000	.72	.435	.343	.203	.689	.875
SCPM775	775/24	3.250	1.00	.732	.343	.203	.953	.875
SCPM1600	1600/24	3.750	1.38	1.062	.406	.375	1.344	1.000

DOUBLE HOLE/90° FOR 1600/24 WIRE

DOUBLE HOLE TERMINAL LUGS - 90 DEGREE FOR 1600/24 WIRE



PART NUMBER	CABLE SIZE
998-1684-994	1600/24

TERMINATION BANDS

These Bands are commonly used to attach a braid or a shield to a backshell. They come in two shapes: Coiled or flat.

To provide our customers with a cost effective solution, Spacecraft Components now manufactures Termination Bands and is qualified to the M85049/128 specification.

Shown below is a summary of the various bands and their respective tools.

ELECTRO-ADAPTER	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	MILITARY TOOL	NON MILITARY APPLICATIONS	
						ELECTRO-ADAPTER TOOL	DANIELS TOOL
214LF002	Flat	.245 x 14.0	SCPSE-02F	M85049/128-1	M81306/2-01▲	EAK214-25▲	DBS-1101▲
214L0002	Coiled		SCPSE-02C	M85049/128-2			

BAND-IT®	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	MILITARY TOOLS	NON MILITARY APPLICATIONS		
						BAND-IT® TOOLS	DANIELS TOOLS	GLENNAIR TOOLS
A10089	Flat	.242 x 14.25	SCPBE-02F	M85049/128-3	M81306/1-01●	A40199●	DBS-2100●	600-058●
A10088	Coiled		SCPBE-02C	M85049/128-4				
A11089	Flat	.242 x 18.00	N/A	N/A	M81306/1-02●	A30199●	DBS-2200●	600-061●
A31189*	Flat	.120 x 8.125	SCPBE-04F	M85049/128-7				
A31188*	Coiled		SCPBE-04C	M85049/128-8				
A31089*	Flat	.120 x 14.30	SCPBE-03F	N/A				

* Mini Band

GLENNAIR	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	MILITARY TOOLS	NON MILITARY APPLICATIONS		
						GLENNAIR TOOLS	BAND-IT® TOOLS	DANIELS TOOLS
600-052	Flat	.242 x 14.25	SCPBE-02F	M85049/128-3	M81306/1-01●	600-058●	A40199●	DBS-2100●
600-052-1	Coiled		SCPBE-02C	M85049/128-4				
600-090	Flat	.245 x 18.0	N/A	N/A	M81306/1-01●	600-058●	A40199●	DBS-2100●
600-090-1	Coiled							
600-057*	Flat	.120 x 8.125	SCPBE-04F	M85049/128-7	M81306/1-02●	600-061●	A30199●	DBS-2200●
600-057-1*	Coiled		SCPBE-04C	M85049/128-8				
600-083*	Flat	.120 x 14.30	SCPBE-03F	N/A				
600-083-1*	Coiled		SCPBE-03C					

* Mini Band

Band-It® and Glenair bands work in the DBS or STS Tools, but two operations are required (terminate and fold-over) rather than the one operation (terminate/trim). DBS or STS-1101, and 1201 tools include both the termination tool and the secondary roll-over tool.

SUNBANK	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	MILITARY TOOLS	NON MILITARY APPLICATIONS	
						SUNBANK TOOLS	DANIELS TOOLS
S 3175-2	Flat	.245 x 14.00	SCPSE-02F	M85049/128-1	M81306/2-01▲	STS-1101▲	DBS-1101▲
S 3175-2C	Coiled		SCPSE-02C	M85049/128-2			
S 3175-3*	Flat	.118 x 9.50	SCPSE-04F	M85049/128-5	M81306/2-02▲	STS-1201▲	DBS-1201▲
S 3175-3C*	Coiled		SCPSE-04C	M85049/128-6			
S 3175-4*	Flat	.118 x 14.25	SCPSE-03F	N/A	M81306/2-02▲	STS-1201▲	DBS-1201▲
S 3175-4C*	Coiled		SCPSE-03C				

* Mini Band

DBS or STS-1101 and 1201 tools include both the termination tool and the secondary roll-over tool.

MILITARY REFERENCE

MILITARY	SHAPE	SIZE	SCP P/N	MILITARY TOOLS	NON MILITARY APPLICATIONS			
					Band-It®	Daniels	Glenair	Sunbank
M85049/128-1	Flat	.245 x 14.00	SCPSE-02F	M81306/2-01▲	-	DBS-1101▲	-	STS-1101▲
M85049/128-2	Coiled		SCPSE-02C					
M85049/128-3	Flat	.242 x 14.25	SCPBE-02F	M81306/1-01●	A40199●	DBS-2100●	600-058●	-
M85049/128-4	Coiled		SCPBE-02C					
M85049/128-5*	Flat	.118 x 9.50	SCPSE-04F	M81306/2-02▲	-	DBS-1201▲	-	STS-1201▲
M85049/128-6*	Coiled		SCPSE-04C					
M85049/128-7*	Flat	.120 x 8.125	SCPBE-04F	M81306/1-02●	A30199●	DBS-2200●	600-061●	-
M85049/128-8*	Coiled		SCPBE-04C					

* M85049/128-5, -6, -7, -8 are proposed.

® Band-It® is a registered trademark of Band-It-IDEX, Inc., a division of IDEX Corporation, of which Spacecraft Components Corp. is not affiliated.

● One Step Tool
▲ Two Step Tool



TERMINATION BANDS (.250 WIDE)

M85049/128

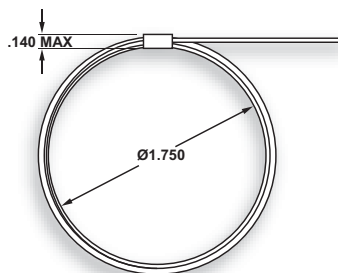


M85049/128-2

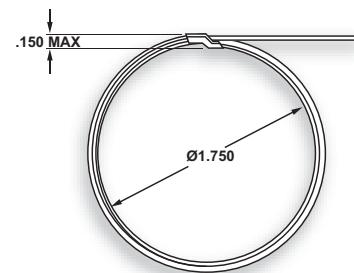
M85049/128-1 & M85049/128-2
SCPSE-02F & SCPSE-02C
TERMINATION TOOLS:
DANIELS: DBS-1101▲
SUNBANK: STS-1101▲
M81306/2-01▲

M85049/128-3 & M85049/128-4
SCPBE-02F & SCPBE-02C
TERMINATION TOOLS:
BAND-IT®: A40199●
DANIELS: DBS-1101▲
DBS-2100●
GLENAIR: 600-058●
M81306/1-01●

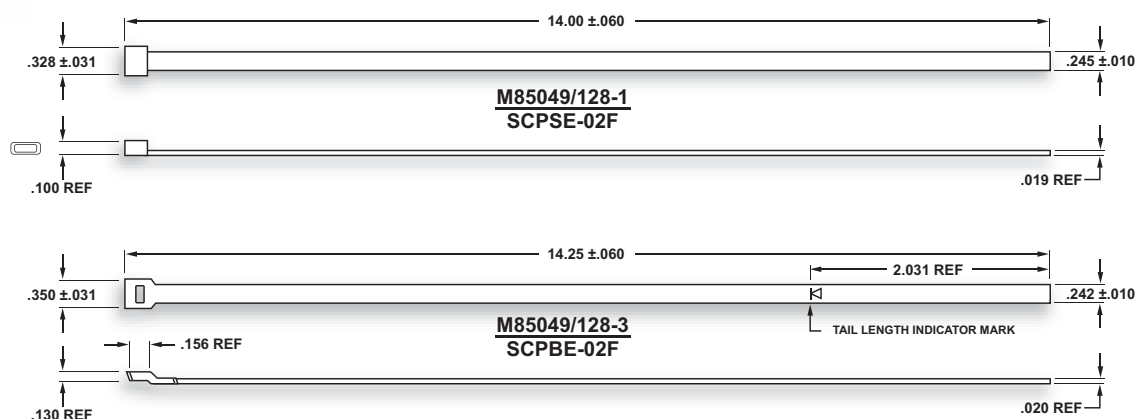
● One Step Tool
▲ Two Step Tool



M85049/128-2
SCPSE-02C



M85049/128-4
SCPBE-02C



MINI-BANDS (.120 WIDE)

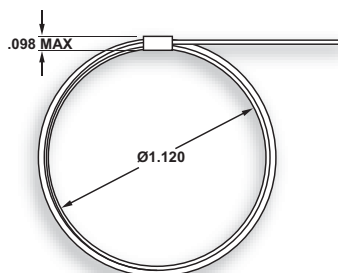


M85049/128-8

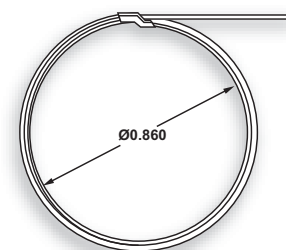
M85049/128-5 & M85049/128-6
SCPSE-04F & SCPSE-04C
SCPSE-03F & SCPSE-03C
TERMINATION TOOLS:
DANIELS: DBS-1201▲
SUNBANK: STS-1201▲
M81306/2-02▲

M85049/128-7 & M85049/128-8
SCPBE-04F & SCPBE-04C
SCPBE-03F & SCPBE-03C
TERMINATION TOOLS:
BAND-IT®: A30199●
DANIELS: DBS-1201▲
DBS-2200●
GLENAIR: 600-061●
M81306/1-02●

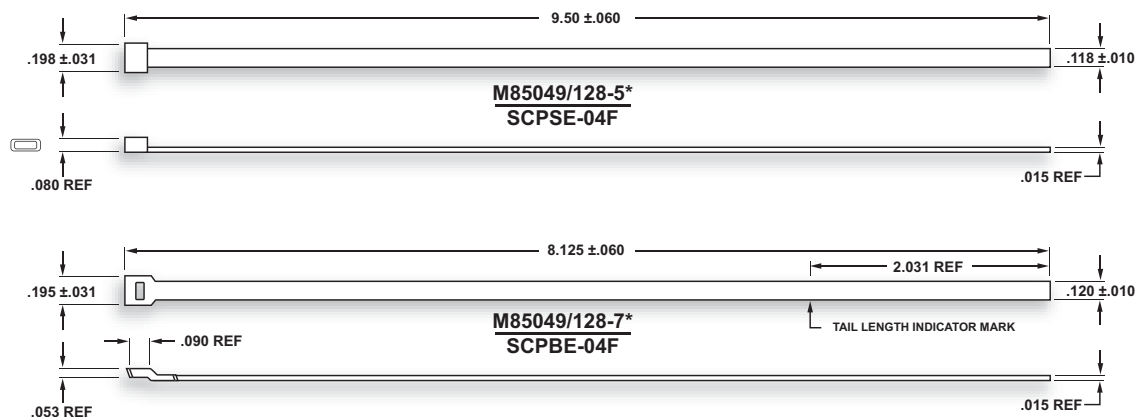
● One Step Tool
▲ Two Step Tool



M85049/128-6*
SCPSE-04C



M85049/128-8*
SCPBE-04C

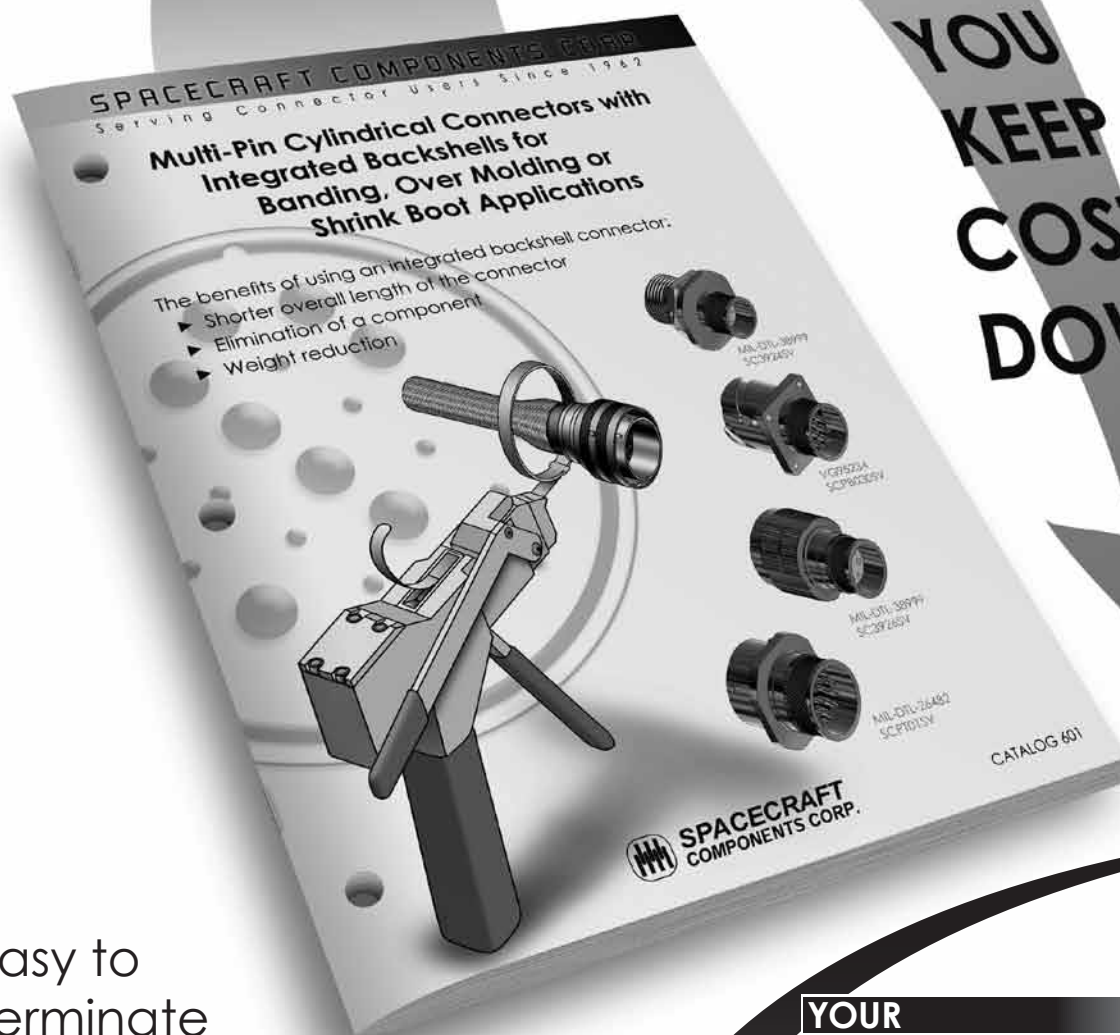


* M85049/128-5, -6, -7, -8 are proposed.

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