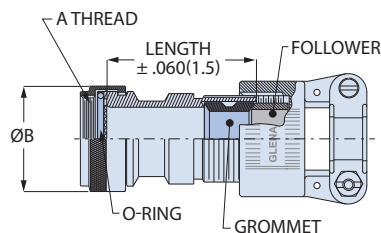


MIL-DTL-38999 Series I Type 370F*001 Backshell, environmental, spin coupling

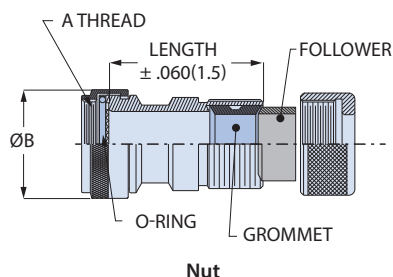


FEATURES

- "Endbell" style backshell fits MIL-DTL-38999 Series I and II connectors.
- Environmentally-sealed with silicone O-ring and cable grommet.
- Straight, 45° or 90° cable routing with spin coupling attachment.
- For use with unshielded jacketed cable.
- Type H heavy duty cable clamp has stainless steel telescoping fillister head screws and lockwashers. Low-profile nut also available
- Supplied in aluminum or SS.



Saddle Clamp

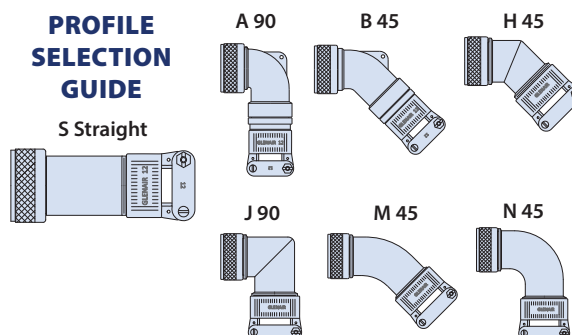


Nut

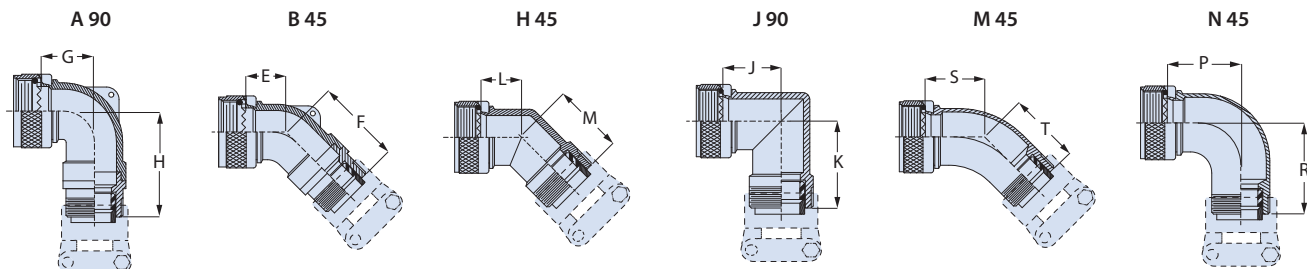
HOW TO ORDER																																													
Sample Part Number		370FS001	M	16	08	D	3																																						
Basic Part Number	370FS001 S = Straight 370FA001 A = 90° Elbow 370FB001 B = 45° Elbow 370FH001 H = 45° Cut/Weld 370FJ001 J = 90° Cut/Weld 370FM001 M = 45° Full Radius 370FN001 N = 90° Full Radius																																												
Material and 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	09, 11, 13, 15, 17, 19, 21, 23, 25																																												
Entry Size	<table><thead><tr><th>Entry Size</th><th>Max Cable Dia.</th><th>Shell Size*</th></tr></thead><tbody><tr><td>03</td><td>.250 (7.9)</td><td>08-24</td></tr><tr><td>04</td><td>.312 (7.9)</td><td>10-24</td></tr><tr><td>06</td><td>.437 (11.1)</td><td>12-24</td></tr><tr><td>08</td><td>.562 (14.3)</td><td>14-24</td></tr><tr><td>10</td><td>.625 (15.9)</td><td>16-24</td></tr><tr><td>12</td><td>.750 (19.1)</td><td>18-24</td></tr></tbody></table> * If selected entry size exceeds shell size range, a Style 2 transition adapter will be included. See Maximum Entry Size for details.		Entry Size	Max Cable Dia.	Shell Size*	03	.250 (7.9)	08-24	04	.312 (7.9)	10-24	06	.437 (11.1)	12-24	08	.562 (14.3)	14-24	10	.625 (15.9)	16-24	12	.750 (19.1)	18-24	<table><thead><tr><th>Entry Size</th><th>Max Cable Dia.</th><th>Shell Size*</th></tr></thead><tbody><tr><td>16</td><td>.937 (23.8)</td><td>20-24</td></tr><tr><td>20</td><td>1.250 (31.8)</td><td>24</td></tr><tr><td>24</td><td>1.375 (34.9)</td><td>-</td></tr><tr><td>28</td><td>1.625 (41.3)</td><td>-</td></tr><tr><td>32</td><td>1.875 (47.6)</td><td>-</td></tr></tbody></table>	Entry Size	Max Cable Dia.	Shell Size*	16	.937 (23.8)	20-24	20	1.250 (31.8)	24	24	1.375 (34.9)	-	28	1.625 (41.3)	-	32	1.875 (47.6)	-			
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Strain Relief	H = Saddle Clamp D = 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
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

PROFILE SELECTION GUIDE



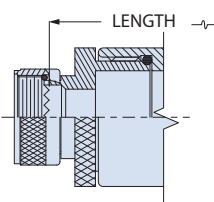
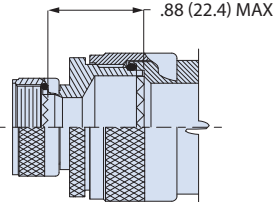
MIL-DTL-38999 Series I Type
370F*001 Backshell, environmental, spin coupling



Shell Size	E Max	F Max	G Max	H Max	J Max	K Max	L Max	M Max	P Max	R Max	S Max	T Max
8/9	.457 (11.61)	1.622 (41.20)	.500 (12.70)	1.632 (41.45)	.834 (21.18)	1.144 (29.06)	.726 (18.44)	1.036 (26.31)	1.125 (28.58)	1.445 (36.70)	.817 (20.75)	1.127 (28.63)
10/11	.520 (13.21)	1.682 (42.72)	.595 (15.11)	1.752 (44.50)	.898 (22.81)	1.209 (30.71)	.753 (19.13)	1.062 (26.97)	1.250 (31.75)	1.570 (39.88)	.861 (21.87)	1.181 (30.00)
12/13	.582 (14.78)	1.742 (44.25)	.610 (15.49)	1.772 (45.01)	.956 (24.28)	1.266 (32.16)	.777 (19.74)	1.087 (27.61)	1.375 (34.92)	1.695 (43.05)	.911 (23.14)	1.231 (31.27)
14/15	.645 (16.38)	2.062 (52.37)	.700 (17.78)	2.072 (52.63)	1.018 (25.86)	1.328 (33.73)	.802 (20.37)	1.113 (28.27)	1.500 (38.10)	1.820 (46.23)	.965 (24.51)	1.285 (32.64)
16/17	.738 (18.75)	2.172 (55.17)	.885 (22.48)	2.162 (54.91)	1.081 (27.46)	1.391 (35.33)	.828 (21.03)	1.138 (28.91)	1.625 (41.28)	1.945 (49.40)	1.014 (25.76)	1.334 (33.88)
18/19	.926 (23.52)	2.362 (59.99)	.975 (24.76)	2.332 (59.23)	1.125 (28.58)	1.435 (36.45)	.847 (21.51)	1.157 (29.39)	1.750 (44.45)	2.070 (52.58)	1.064 (27.03)	1.384 (35.15)
20/21	.926 (23.52)	2.362 (59.99)	.975 (24.76)	2.332 (59.23)	1.188 (30.18)	1.498 (38.05)	.873 (22.17)	1.183 (30.05)	1.875 (47.63)	2.195 (55.75)	1.118 (28.40)	1.438 (36.53)
22/23	1.020 (25.91)	2.512 (63.80)	1.125 (28.58)	2.442 (62.03)	1.250 (31.75)	1.560 (39.62)	.898 (22.81)	1.208 (30.68)	2.000 (50.80)	2.320 (58.93)	1.172 (29.77)	1.492 (37.90)
24/25	1.020 (25.91)	2.512 (63.80)	1.125 (28.58)	2.442 (62.03)	1.312 (33.32)	1.623 (41.22)	.942 (23.93)	1.234 (31.34)	2.125 (53.97)	2.445 (62.10)	1.221 (31.01)	1.541 (39.14)

STRAIN RELIEF DIMENSIONS					
Entry Size	A Max	B Max	øC Max	Cable Range	
				Min	Max
03	.780 (19.81)	.957 (24.31)	.630 (16.00)	.125 (3.18)	.250 (6.35)
04	.780 (19.81)	.957 (24.31)	.755 (19.18)	.125 (3.18)	.312 (7.92)
06	.780 (19.81)	1.145 (29.08)	.942 (23.93)	.250 (6.35)	.437 (11.10)
08	.780 (19.81)	1.332 (33.83)	1.067 (27.10)	.312 (7.92)	.562 (14.27)
10	.780 (19.81)	1.332 (33.83)	1.192 (30.28)	.350 (8.89)	.625 (15.88)
12	.811 (20.60)	1.551 (39.40)	1.380 (35.05)	.500 (12.70)	.750 (19.05)
16	.905 (22.99)	1.770 (44.96)	1.535 (38.99)	.625 (15.88)	.937 (23.80)
20	1.092 (27.74)	2.113 (53.67)	1.848 (46.94)	.875 (22.23)	1.250 (31.75)
24	1.124 (28.55)	2.363 (60.02)	2.255 (57.28)	1.000 (25.40)	1.375 (34.92)
28	1.399 (35.53)	2.770 (70.36)	2.505 (63.63)	1.250 (31.75)	1.625 (41.28)
32	1.399 (35.53)	3.020 (76.71)	2.755 (69.98)	1.437 (36.50)	1.875 (47.63)

* Not applicable to Style D Nut.

MAXIMUM ENTRY SIZE			
Shell Size	Maximum Entry Size	Style 2 Straight Backshell	Style 2 45° and 90° Backshells
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		
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.		The minimum length code increases from 3 (1 1/2 inches) to 4 (2 inches).	For 45° and 90° backshells, the length increases by .88 inches.