189-038
Composite Connector Backshell Adapter
for Helical Convoluted Tubing to be used with MIL-DTL-38999 Series III & IV Fiber Optic Connectors

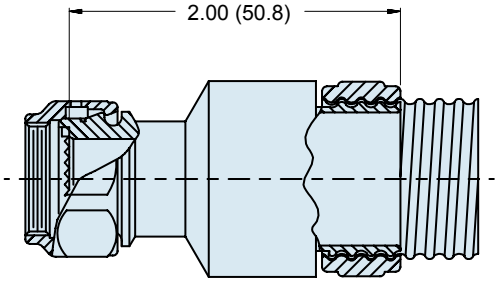
D38999 Series III

B

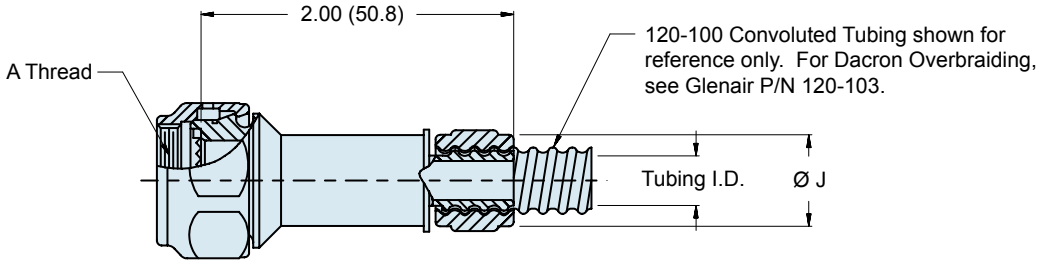
Composite MIL-DTL-38999 backshell adapter

How To Order

Product Series	Angular Function		Material/Finish	Tubing Size Dash. No.			
	S = Straight						D = With Black Dacron Overbraid (Omit for None)
	T = 45° Elbow						
	W = 90° Elbow						
189	H	S	038	XW	17	16	K - D
Connector Designator H = MIL-DTL-38999 Series III & IV			Basic Number	Shell Size (Table II)		K = PEEK (Omit for PFA, ETFE, or FEP)	



ONE PIECE SET UP



S - STRAIGHT

Material and Finish

Adapter, Elbow: High Grade Engineering Thermoplastic/see Table III
Coupling and Compression Nuts: High Grade Engineering Thermoplastic
O-Ring: Fluorosilicone or Silicone
Anti-rotation Device: Corrosion resistant material

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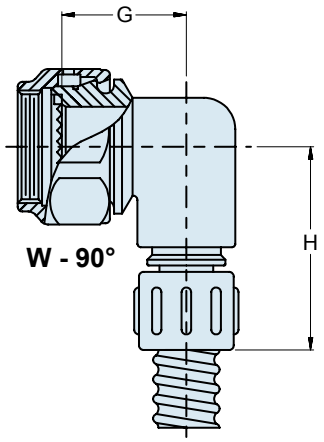
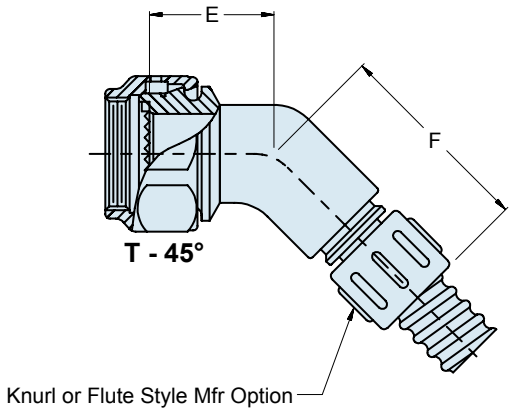
Table I: Tubing Size		
Dash No.	Conduit I.D.	Ø J Max
06	.188 (4.8)	.790 (20.1)
09	.281 (7.1)	.985 (25.0)
10	.312 (7.9)	.985 (25.0)
12	.375 (9.5)	1.035 (26.3)
14	.437 (11.1)	1.100 (27.9)
16	.500 (12.7)	1.160 (29.5)
20	.625 (15.9)	1.285 (32.6)
24	.750 (19.1)	1.480 (37.6)
28	.875 (22.2)	1.670 (42.4)
32	1.000 (25.4)	1.720 (43.7)
40	1.250 (31.8)	2.100 (53.3)
48	1.500 (38.1)	2.420 (61.5)

Table II						
Shell Size	A Thread ISO Metric	E ±.060 (1.5)	F ±.090 (2.3)	G ±.060 (1.5)	H +090 (2.3)	Max Entry Max Tubing Size
11	M15 x 1 - 6H	.750 (19.1)	.950 (24.1)	.750 (19.1)	1.160 (29.5)	12
13	M18 x 1 - 6H	.750 (19.1)	1.020 (25.9)	.810 (20.6)	1.220 (31.0)	16
15	M22 x 1 - 6H	.760 (19.3)	1.050 (26.7)	.880 (22.4)	1.290 (32.8)	20
17	M25 x 1 - 6H	.780 (19.8)	1.070 (27.2)	.940 (23.9)	1.350 (34.3)	24
19	M28 x 1 - 6H	.790 (20.1)	1.080 (27.4)	.970 (24.6)	1.380 (35.1)	28
21	M31 x 1 - 6H	.820 (20.8)	1.110 (28.2)	1.060 (26.9)	1.470 (37.3)	32
23	M34 x 1 - 6H	.860 (21.8)	1.150 (29.2)	1.130 (28.7)	1.540 (39.1)	32
25	M37 x 1 - 6H	.890 (22.6)	1.180 (30.0)	1.190 (30.2)	1.730 (43.9)	40

Table III: Material and Finish		
Code	Material	Finish Description
XM	Composite	Electroless Nickel
XW		Cadmium Plate/Olive Drab over Electroless Nickel
XO		No Plating–Amber Color

Refer to Appendix for material/finish details





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