189-037
Environmental Backshell with Banding Strain Relief
for MIL-DTL-38999 Series III Fiber Optic Connectors

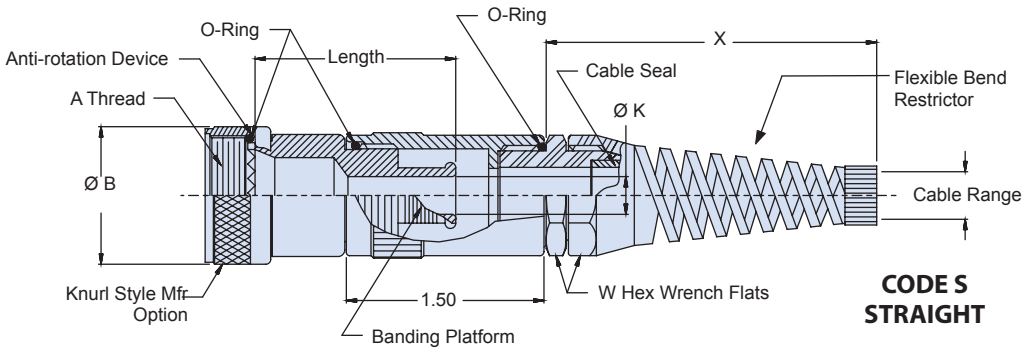
D38999 Series III

B

MIL-DTL-38999 Series III backshell with strain relief and flexible bend restrictor

How To Order

Product Series	Angular Function *N, M, or S*	Material/ Finish *(Table II)*		Dash No. *(Table III)*		
189	H	S	037	M	17	07 - 3
Connector Designator, *H = MIL-DTL-38999, Series III*		Basic No.		Shell Size *(Table I)*		Length In 1/2 Inch Increments *(Example: 3 = 1.5 Inches)*



Material and Finish

Adapter, Coupling Nut: See Table II
Strain Relief Components: Nylon 6/6 (Flame-resistant/zero Halogen)
Anti-Rotation Device: Torlon 42031-Natural
O-Rings: Fluorosilicone

Notes

Glenair 600 Series Backshell assembly tools are recommended for assembly and installation.
Standard minimum length: 1.5 inches, for shorter length consult factory.
MIL-I-23053/4 & /5 Shrink Sleeving to be packaged loose in a plastic bag.
MIL-I-23053/4 Shrink Sleeving to be heat shrunk over rear of Adapter before MIL-I-23053/5 Shrink Sleeving.
For assembly instruction see GAP-065

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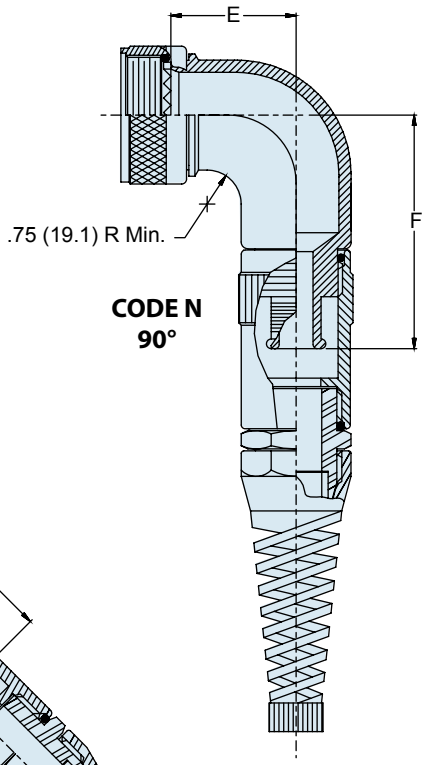
Table I													
Shell Size	A Thread Iso Metric	ØB Max		C Max		D Max		E Max		F Max	
11	M15 X 1 - 6H	1.06	(26.9)	.861	(21.9)	1.111	(28.2)	1.563	(39.7)	1.875	(47.6)
13	M18 X 1 - 6H	1.17	(29.7)	.911	(23.1)	1.161	(29.5)	1.938	(49.2)	2.250	(57.2)
15	M22 X 1 - 6H	1.29	(32.8)	.965	(24.5)	1.215	(30.9)	1.938	(49.2)	2.250	(57.2)
17	M25 X 1 - 6H	1.42	(36.1)	1.014	(25.8)	1.264	(32.1)	2.063	(52.4)	2.375	(60.3)
19	M28 X 1 - 6H	1.54	(39.1)	1.064	(27.0)	1.314	(33.4)	2.063	(52.4)	2.375	(60.3)
21	M31X 1 - 6H	1.67	(42.4)	1.118	(28.4)	1.368	(34.7)	2.563	(65.1)	2.875	(73.0)
23	M34 X 1 - 6H	2.01	(51.1)	1.172	(29.8)	1.422	(36.1)	2.313	(58.8)	2.688	(68.3)
25	M37 X 1 - 6H	2.12	(53.8)	1.221	(31.0)	1.471	(37.4)	2.250	(57.2)	2.563	(65.1)



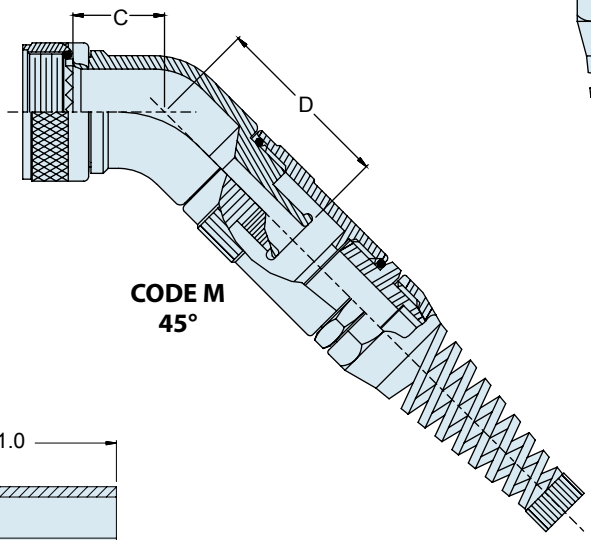


Table II: Material and Finish		
Code	Material	Finish Description
M	Aluminum Alloy	Electroless Nickel
NF		Cadmium Plate, Olive Drab, Over Nickel

Refer to Appendix for material/finish details

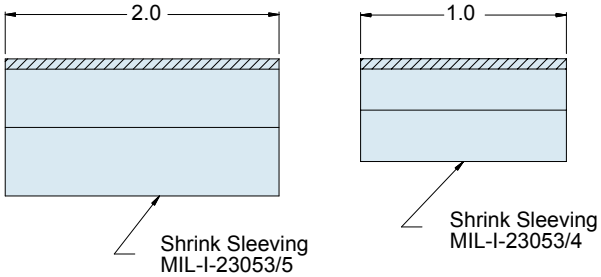


Table III						
Dash No.	Cable Dia Range	Ø K ±005	W Hex	X	MIL-I-23053 Shrink Sleeve	MIL-I-23053 Shrink Sleeve
05	.200/.285	.312 (8.0)	.750 (19.1)	2.32 (58.9)	/4-203-0	/5-107-0
07	.285/.390	.438 (11.1)	.870 (22.1)	2.80 (71.1)	/4-204-0	/5-108-0
09	.390/.550	.562 (14.3)	1.06 (26.9)	3.66 (93.0)	/4-204-0	/5-109-0
11	.550/.670	.688 (17.5)	1.30 (33.0)	4.37 (111.0)	/4-205-0	/5-109-0

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