



377-040

Composite Strain-Relief Backshell for Fiber Optic MIL-DTL-38999 Series III Connectors

D38999
Series III

B

Composite MIL-DTL-38999 series III strain-relief backshell



How To Order

Product
Series

377

Angular Function

S = Straight
W = 90° Elbow

H

S

Material/
Finish

(Table II)

XO

Strain Relief Style

A = Adapter
N = Nut

19

A

Connector
Designator

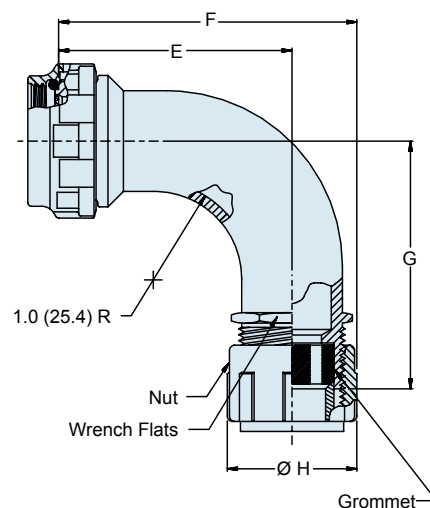
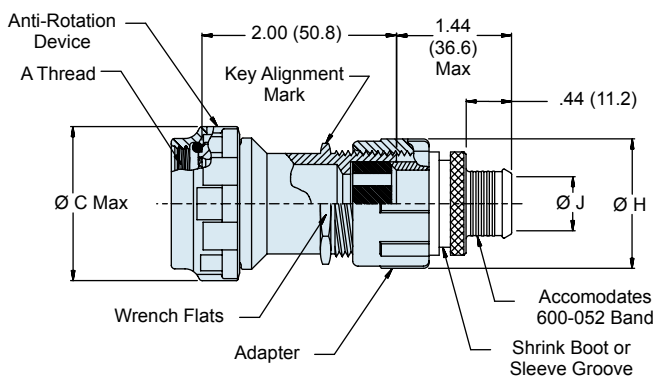
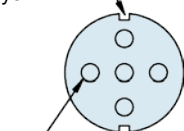
H = MIL-DTL-38999
Series III & IV
U = MIL-C-26900

Basic No.

040

Shell Size
(Table I)

19


Grommet
Keys

.12 (3.0) Diameter,
Accommodates 16 Gage
Contacts With .07 (1.8) to
.11 (2.8) Diameter Fiber
Cable (For Number of
Holes See K in Table 1)

Material and Finish

Adapters, Elbow: Hi-grade engineering thermoplastic/see table II
Coupling Nut & Gland Nut: Thermoplastic/unplated
Grommet, O-Ring: Silicone
Anti-Rotation Device: Corrosion resistant material

Notes

Glenair 600 Series Backshell assembly tools are recommended for assembly and installation.

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Composite Strain-Relief Backshell for Fiber Optic MIL-DTL-38999 Series III Connectors

MIL-DTL-38999
Series III Type

B

Table I

Connector Designator H				Connector Designator U				E	F	G	Ø H	Ø J
Shell Size	A Thread	Ø C	K (# of Holes) *	Shell Size	A Thread	Ø C	K (# Of Holes) *	±.06 (1.5)	±.09 (2.3)	±.06 (1.5)	Max	Ref
11	M15 X 1 - 6H	.98 (24.9)	2	-	-	-	-	1.70 (43.2)	2.39 (60.7)	1.90 (48.3)	1.41 (35.8)	.27 (6.9)
13	M18 X 1 - 6H	1.16 (29.4)	4	11	5/8-28 UN	1.16 (29.4)	2	1.78 (45.2)	2.47 (62.7)	1.96 (49.8)	1.41 (35.8)	.33 (8.4)
15	M22 X 1 - 6H	1.28 (32.5)	5	13	3/4-28 UNS	1.28 (32.5)	4	1.82 (46.2)	2.51 (63.8)	2.02 (51.3)	1.41 (35.8)	.39 (9.9)
17	M25 X 1 - 6H	1.41 (35.7)	8	15	7/8-28 UN	1.41 (35.7)	5	1.89 (48.0)	2.70 (68.6)	2.09 (53.1)	1.64 (41.7)	.51 (13.0)
19	M28 X 1 - 6H	1.52 (38.5)	11	17	1-28 UN	1.52 (38.5)	8	1.93 (49.0)	2.74 (69.6)	2.13 (54.1)	1.64 (41.7)	.64 (16.3)
21	M31 X 1 - 6H	1.64 (41.7)	16	19	1-1/8-28 UN	1.64 (41.7)	11	2.00 (50.8)	2.94 (74.7)	2.19 (55.6)	1.89 (48.0)	.77 (19.6)
23	M34 X 1 - 6H	1.77 (44.9)	21	21	1-1/4-28 UN	1.77 (44.9)	16	2.08 (52.8)	3.02 (76.7)	2.25 (57.2)	1.89 (48.0)	.84 (21.3)
25	M37 X 1 - 6H	1.89 (48.0)	29	23	1-3/8-28 UN	1.89 (48.0)	21	2.14 (54.4)	3.20 (81.3)	2.32 (58.9)	2.16 (54.9)	.84 (21.3)
-	-	-	-	25	1-1/2-28 UN	2.02 (51.2)	29	2.22 (56.4)	3.28 (83.3)	2.39 (60.7)	2.16 (54.9)	.89 (22.6)

*Use Glenair 687-142 seal plug in vacant holes

Table II: Material and Finish

Code	Material	Finish Description
XB	Composite	No Plating - Black Color
XO		No Plating - Amber Color
XM		Electroless Nickel
XW		Cadmium Olive Drab over Electroless Nickel

Refer to Appendix for material/finish details

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Glenair:

[377HS040XB11A](#) [377HS040XB13N](#) [377HS040XB17N](#) [377HS040XB19N](#) [377HS040XB21A](#) [377HS040XB21N](#)
[377HS040XB25N](#) [377HS040XM11N](#) [377HS040XM13A](#) [377HS040XO13A](#) [377HS040XO17N](#) [377HW040XO13N](#)
[377HS040XO15N](#) [377HS040XB11N](#) [377HS040XB15N](#) [377HS040XM25A](#) [377HS040XO25A](#) [377HS040XW11A](#)
[377HS040XW13A](#) [377HS040XW17A](#) [377HS040XW17N](#) [377HS040XW21A](#) [377HW040XM13A](#) [377HS040XB23N](#)
[377HS040XM11A](#) [377HS040XW13A-768P](#) [377HS040XM21N](#) [377HW040XB19N](#)