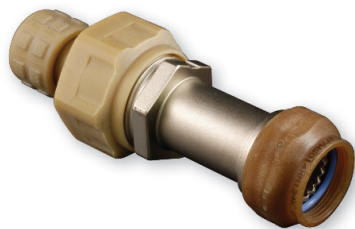




377-014

Convuluted Tubing-to-Connector Backshell for Fiber Optic MIL-DTL-38999 Series III & IV Connectors

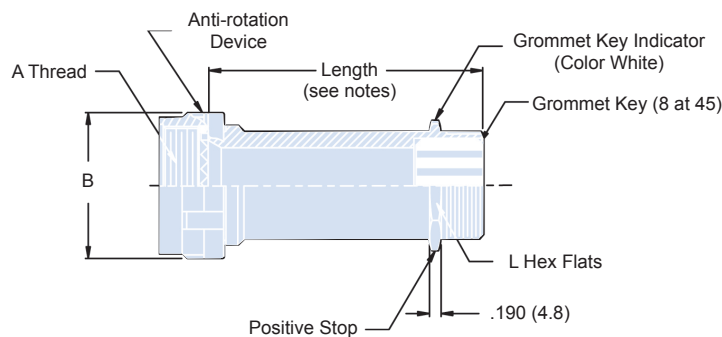
Convuluted tubing-to-connector backshell, fiber optic, composite with grommet



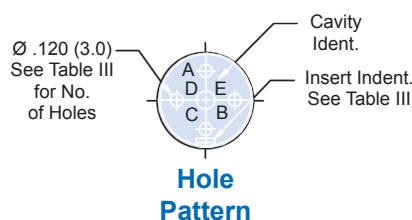
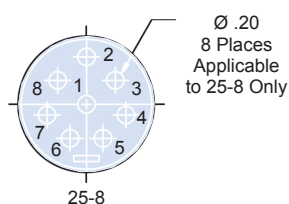
How To Order

Product Series
377
**Connector Designator,
MIL-DTL-38999,
Series III&IV**
Angular Function
S = Straight
W = 90° Solid Elbow
T = 45° Solid Elbow
H
Basic No.
014
Finish Sym.
 (Table II)
XM
Shell Size
 (Table III)
11
Optional Entry Size
 (Table IV)
 Omit for Std.
 Table III
06
**Length In 1/2 Inch
Increments**
 (Example: 4 = 2 Inches)
4**K**
SYM T - Band Termination
 Tubing Adapter for Series
 74 Teflon type tubing

SYM K - Compression Nut
 Tubing Adapter for PEEK
 tubing

SYM TN - Compression Nut
 Tubing Adapter for Series
 74 Teflon type tubing


Sym S - Straight



Material and Finish

- Adapters, Elbows, Coupling Nut, Nut: Hi-grade engineering thermoplastic/see table II
- Grommet, O-Ring: Fluorosilicone/N.A.
- Anti-Rotation Device: Corrosion resistant material/N.A.

Notes

- Standard minimum length: 1.5 inches, for shorter length consult factory.
- For Sealing Plugs, see Glenair drawing 687-142.

377-014

Convolved Tubing-to-Connector Backshell for Fiber Optic MIL-DTL-38999 Series III & IV Connectors



Special
Applications

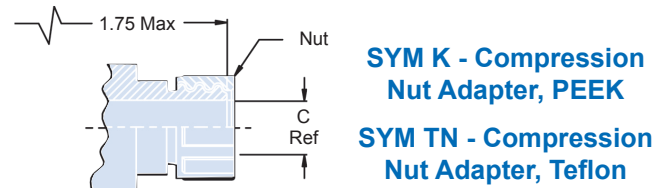
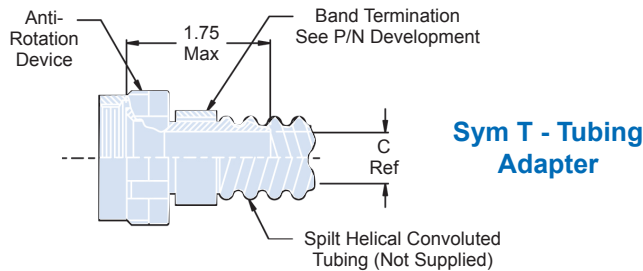
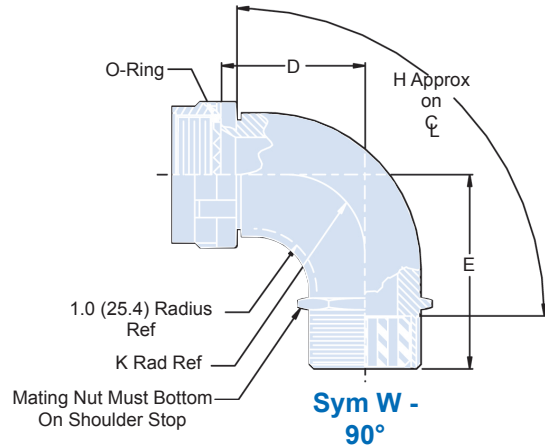
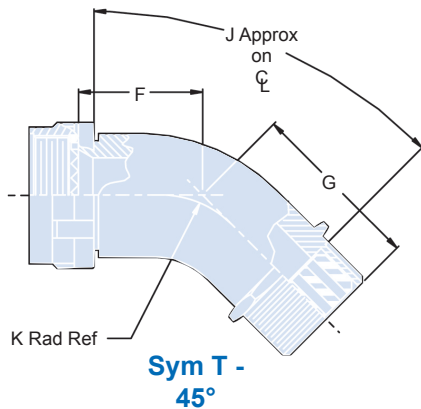


Table III: Shell Size

Shell Size	A Thread Iso Metric	B Max	Tubing Size	D Max	E Max	F Max	G Max	H Approx	J Radius	K Radius	L Flats	Insert Indent	Hole Count
11	M15 X 1 - 6H	1.00 (25.4)	3/8	1.78 (45.2)	1.93 (49.0)	1.33 (33.8)	1.56 (39.6)	2.23 (56.6)	2.09 (53.1)	1.20 (30.5)	.938 (23.8)	11-2	2
13	M18 X 1 - 6H	1.12 (28.4)	7/16	1.84 (46.7)	1.98 (50.3)	1.39 (35.3)	1.62 (41.1)	2.28 (57.9)	2.21 (56.1)	1.26 (32.0)	.938 (23.8)	13-4	4
15	M22 X 1 - 6H	1.25 (31.8)	1/2	1.90 (48.3)	2.08 (52.8)	1.45 (36.8)	1.68 (42.7)	2.45 (62.2)	2.33 (59.2)	1.32 (33.5)	.938 (23.8)	15-5	5
17	M25 X 1 - 6H	1.38 (35.1)	5/8	1.97 (50.0)	2.14 (54.4)	1.51 (38.4)	1.74 (44.2)	2.47 (62.7)	2.44 (62.0)	1.38 (35.1)	1.250 (31.8)	17-8	8
19	M28 X 1 - 6H	1.50 (38.1)	3/4	2.11 (53.6)	2.18 (55.4)	1.54 (39.1)	1.77 (45.0)	2.54 (64.5)	2.50 (63.5)	1.43 (36.3)	1.250 (31.8)	19-11	11
21	M31 X 1 - 6H	1.62 (41.0)	7/8	2.07 (52.6)	2.25 (57.2)	1.61 (40.9)	1.84 (46.7)	2.64 (67.1)	2.64 (67.1)	1.49 (37.8)	1.500 (38.1)	21-16	16
23	M34 X 1 - 6H	1.75 (44.5)	1	2.14 (54.4)	2.31 (58.7)	1.67 (42.4)	1.89 (48.0)	2.76 (70.1)	2.75 (69.9)	1.55 (39.4)	1.500 (38.1)	23-21	21
25	M37 X 1 - 6H	1.88 (47.8)	1	2.19 (55.6)	2.19 (55.6)	1.73 (43.9)	1.96 (49.8)	2.84 (72.1)	2.87 (72.9)	1.62 (41.1)	1.812 (46.0)	25-29	29
25-8	M37 X 1 - 6H	1.88 (47.8)	1 1/4	2.19 (55.6)	2.19 (55.6)	1.73 (43.9)	1.96 (49.8)	2.84 (72.1)	2.87 (72.9)	1.62 (41.1)	1.812 (46.0)	25-8	8
25-37	M37 X 1 - 6H	1.88 (47.8)	1 1/4	2.19 (55.6)	2.19 (55.6)	1.73 (43.9)	1.96 (49.8)	2.84 (72.1)	2.87 (72.9)	1.62 (41.1)	1.812 (46.0)	25-37	37

Table IV: Entry Size

Entry Size	C Ref Sym T & TN	C Ref Sym K	Optional Conduit Size Ref.
03	.219 (5.6)	.188 (4.8)	9/32
04	.236 (6.0)	-	5/32
05	.250 (6.4)	.265 (6.7)	3/8
06	.338 (8.6)	.330 (8.4)	7/16
07	.398 (10.0)	.390 (9.9)	1/2
08	.523 (13.2)	.515 (13.1)	5/8
10	.648 (16.4)	.640 (16.3)	3/4
11	.648 (16.4)	.640 (16.3)	3/4
13	.778 (19.6)	.765 (19.4)	7/8
15	.875 (22.7)	.890 (22.6)	1
17	1.078 (28.0)	1.125 (28.6)	1 1/4

Table II: Finish Description

Sym	Finish Description
-	Dash (-) For No Plating
XB	No Plating - Black Color
XM	Electroless Nickel Backshell No Plating Supplied On Coupling Nut Or Rear Entry Components - Amber Color
XW	Cadmium Olive Drab Over Electroless Nickel Backshell - No Plating Supplied on Coupling Nut or Rear Entry Components - Amber Color
XMT	Copper Flash - GP552-XMT (JCP-3)

Mouser Electronics

Authorized Distributor

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