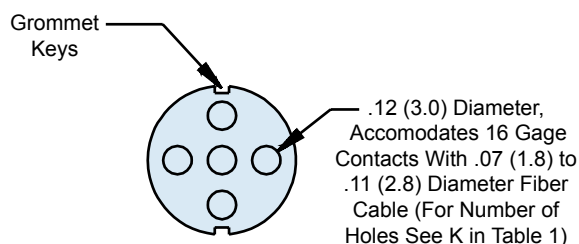
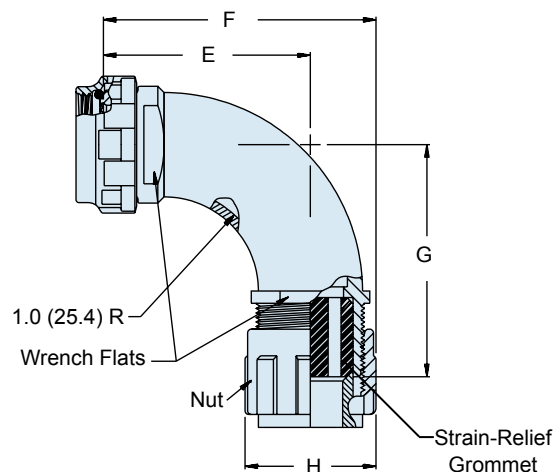
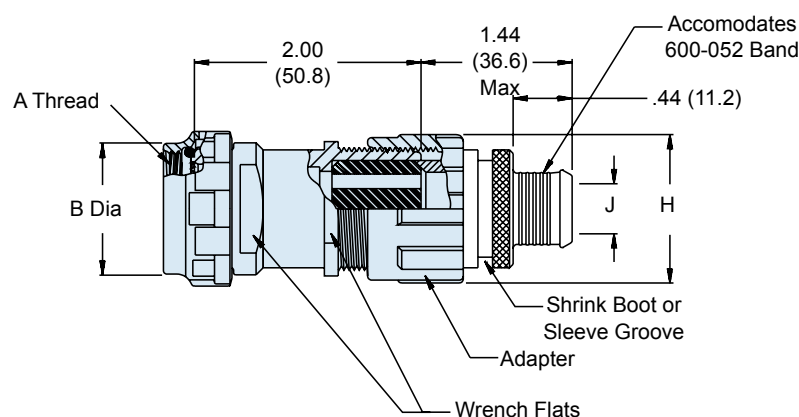


**377-040**

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

**377 H S 040 XM 19 A**

Product Series ——— 377  
 Connector Designator,  
 MIL-DTL-38999, Series III ——— H  
 Angular Function ——— S  
     S = Straight  
     W = 90° Elbow  
 Basic Number ——— 040  
 Finish Symbol (Table II) ——— XM  
 Shell Size Designator (Table I) ——— 19  
 Strain Relief Style ——— A  
     A = Adapter  
     N = Nut

**U.S. PATENT NUMBER 6358077****TABLE II: CONNECTOR SHELL SIZE ORDER NUMBER**

| Shell Size | A thread ISO Metric | B Max        | E<br>±.060 (1.5) | F<br>±.090 (2.3) | G<br>±.060 (1.5) | H Max        | J Ref.      | K<br>(# of Holes)* |
|------------|---------------------|--------------|------------------|------------------|------------------|--------------|-------------|--------------------|
| 11         | M15 x 1 - 6H        | .770 (19.6)  | 1.700 (43.2)     | 2.390 (60.7)     | 1.900 (48.3)     | 1.410 (35.8) | .250 (6.4)  | 2                  |
| 13         | M18 x 1 - 6H        | .890 (22.6)  | 1.780 (45.2)     | 2.470 (62.7)     | 1.960 (49.8)     | 1.410 (35.8) | .310 (7.9)  | 4                  |
| 15         | M22 x 1 - 6H        | 1.030 (26.2) | 1.820 (46.2)     | 2.510 (63.8)     | 2.020 (51.3)     | 1.410 (35.8) | .310 (7.9)  | 5                  |
| 17         | M25 x 1 - 6H        | 1.150 (29.2) | 1.890 (48.0)     | 2.700 (68.6)     | 2.090 (53.1)     | 1.640 (41.7) | .440 (11.2) | 8                  |
| 19         | M28 x 1 - 6H        | 1.280 (32.5) | 1.930 (49.0)     | 2.740 (69.6)     | 2.130 (54.1)     | 1.640 (41.7) | .500 (12.7) | 11                 |
| 21         | M31 x 1 - 6H        | 1.410 (35.8) | 2.000 (50.8)     | 2.940 (74.7)     | 2.190 (55.6)     | 1.890 (48.0) | .500 (12.7) | 16                 |
| 23         | M34 x 1 - 6H        | 1.530 (38.9) | 2.080 (52.8)     | 3.020 (76.7)     | 2.250 (57.2)     | 1.890 (48.0) | .630 (16.0) | 21                 |
| 25         | M37 x 1 - 6H        | 1.660 (42.2) | 2.140 (54.4)     | 3.200 (81.3)     | 2.320 (58.9)     | 2.160 (54.9) | .750 (19.1) | 29                 |

\* Use Glenair 687-142 seal plug in vacant holes

**TABLE I: FINISH**

| SYM       | MATERIAL            | FINISH     |
|-----------|---------------------|------------|
| <b>XB</b> | Black               | No Plating |
| <b>XO</b> | Base Non-Conductive | No Plating |

Metric dimensions (mm) are in parenthesis  
and are for reference only.