

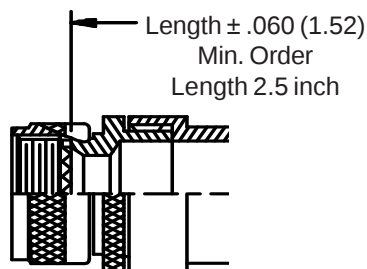
# 447-420

## EMI/RFI Non-Environmental Band-in-a-Can Backshell

### with QwikClamp Strain-Relief

### Rotatable Coupling - Standard Profile

## CONNECTOR DESIGNATORS A-F-H-L-S ROTATABLE COUPLING



**STYLE 2  
(STRAIGHT  
See Note 1)**

Product Series — 447 F S 420 NF 16 12-8 K P

Connector Designator —

Angle and Profile —  
H = 45°  
J = 90°  
S = Straight

Basic Part No. —

Finish (Table II) —

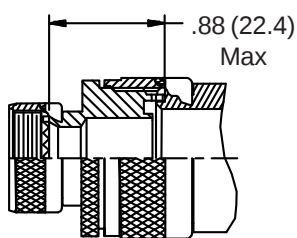
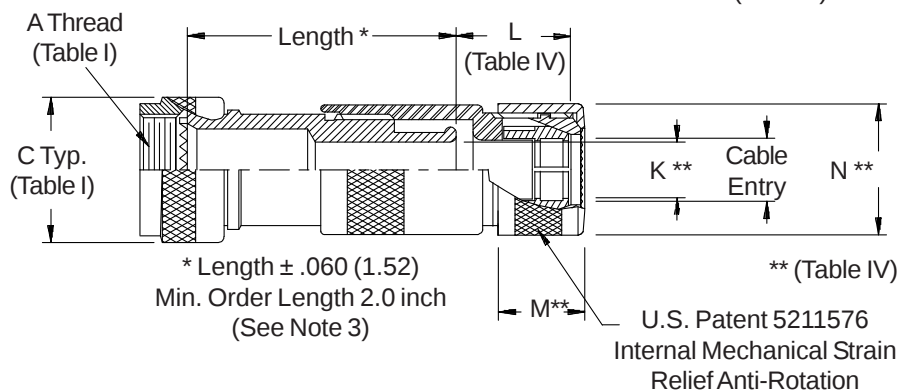
Polysulfide (Omit for none)

B = Band  
K = Precoiled Band  
(Omit for none)

Length: S only  
(1/2 inch increments,  
e.g. 8 = 4.000 inches)

Cable Entry (Table IV)

Shell Size (Table I)

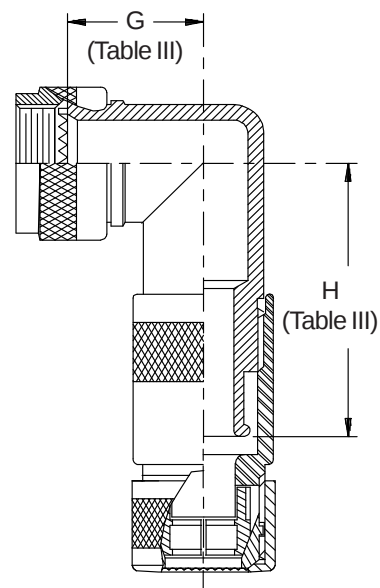
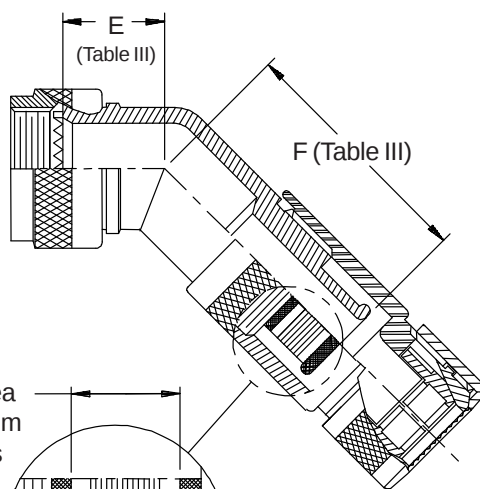


**STYLE 2  
(45° & 90°  
See Note 1)**



Termination Area  
Free of Cadmium  
Knurl or Ridges  
Mfr's Option

Polysulfide Stripes  
P Option



**447-420**  
**EMI/RFI Non-Environmental Band-in-a-Can Backshell**  
**with QwikClamp Strain-Relief**  
**Rotatable Coupling - Standard Profile**



See inside back cover fold-out or pages 13 and 14 for  
**Tables I and II.**

**TABLE III: ELBOW DIMENSIONS**

| Shell Size<br>Conn. Desig.<br>A-F-L-S H |    | E<br>Max    | F<br>Max     | G<br>Max     | H<br>Max     |
|-----------------------------------------|----|-------------|--------------|--------------|--------------|
| 08                                      | 09 | .639 (16.2) | 1.380 (35.1) | .750 (19.1)  | 1.500 (38.1) |
| 10                                      | 11 | .664 (16.9) | 1.410 (35.8) | .810 (20.6)  | 1.550 (39.4) |
| 12                                      | 13 | .688 (17.5) | 1.430 (36.3) | .870 (22.1)  | 1.610 (40.9) |
| 14                                      | 15 | .705 (17.9) | 1.460 (37.1) | .920 (23.4)  | 1.680 (42.7) |
| 16                                      | 17 | .732 (18.6) | 1.480 (37.6) | .980 (24.9)  | 1.740 (44.2) |
| 18                                      | 19 | .748 (19.0) | 1.490 (37.8) | 1.020 (25.9) | 1.760 (44.7) |
| 20                                      | 21 | .773 (19.6) | 1.510 (38.4) | 1.080 (27.4) | 1.820 (46.2) |
| 22                                      | 23 | .800 (20.3) | 1.550 (39.4) | 1.140 (29.0) | 1.900 (48.3) |
| 24                                      | 25 | .823 (20.9) | 1.580 (40.1) | 1.200 (30.5) | 1.970 (50.0) |

**TABLE IV: CABLE ENTRY**

| Dash<br>No. | Clamp<br>Size (Ref) | K<br>Dia     | L<br>Max     | M<br>Max    | N<br>Max     | Cable Range  |              |
|-------------|---------------------|--------------|--------------|-------------|--------------|--------------|--------------|
|             |                     |              |              |             |              | Min          | Max          |
| 02          | 08                  | .125 (3.2)   | .970 (24.6)  | .530 (13.5) | .720 (18.3)  | .100 (2.5)   | .250 (6.4)   |
| 03          | 08                  | .188 (4.8)   | .970 (24.6)  | .530 (13.5) | .720 (18.3)  | .098 (2.5)   | .200 (5.1)   |
| 04          | 08                  | .250 (6.4)   | .970 (24.6)  | .530 (13.5) | .720 (18.3)  | .098 (2.5)   | .250 (6.4)   |
| 05          | 12                  | .312 (7.9)   | 1.110 (28.2) | .710 (18.0) | .910 (23.1)  | .203 (5.2)   | .375 (9.5)   |
| 06          | 12                  | .375 (9.5)   | 1.110 (28.2) | .710 (18.0) | .910 (23.1)  | .203 (5.2)   | .375 (9.5)   |
| 07          | 16                  | .438 (11.1)  | 1.210 (30.7) | .720 (18.3) | 1.090 (27.7) | .328 (8.3)   | .500 (12.7)  |
| 08          | 16                  | .500 (12.7)  | 1.210 (30.7) | .720 (18.3) | 1.090 (27.7) | .328 (8.3)   | .500 (12.7)  |
| 09          | 20                  | .562 (14.3)  | 1.210 (30.7) | .720 (18.3) | 1.220 (31.0) | .452 (11.5)  | .625 (15.9)  |
| 10          | 20                  | .625 (15.9)  | 1.210 (30.7) | .720 (18.3) | 1.220 (31.0) | .452 (11.5)  | .625 (15.9)  |
| 11          | 24                  | .688 (17.5)  | 1.210 (30.7) | .660 (16.8) | 1.340 (34.0) | .515 (13.1)  | .750 (19.1)  |
| 12          | 24                  | .750 (19.1)  | 1.360 (34.5) | .660 (16.8) | 1.340 (34.0) | .515 (13.1)  | .750 (19.1)  |
| 13          | 28                  | .812 (20.6)  | 1.360 (34.5) | .790 (20.1) | 1.530 (38.9) | .640 (16.3)  | .875 (22.2)  |
| 14          | 28                  | .875 (22.2)  | 1.510 (38.4) | .790 (20.1) | 1.530 (38.9) | .640 (16.3)  | .875 (22.2)  |
| 15          | 32                  | .938 (23.8)  | 1.510 (38.4) | .870 (22.1) | 1.720 (43.7) | .765 (19.4)  | 1.000 (25.4) |
| 16          | 32                  | 1.000 (25.4) | 1.510 (38.4) | .870 (22.1) | 1.720 (43.7) | .765 (19.4)  | 1.000 (25.4) |
| 17          | 36                  | 1.062 (27.0) | 1.510 (38.4) | .830 (21.1) | 1.850 (47.0) | .859 (21.8)  | 1.125 (28.6) |
| 18          | 36                  | 1.125 (28.6) | 1.510 (38.4) | .830 (21.1) | 1.850 (47.0) | .859 (21.8)  | 1.125 (28.6) |
| 20          | 40                  | 1.250 (31.8) | 1.510 (38.4) | .820 (20.8) | 1.970 (50.0) | .984 (25.0)  | 1.250 (31.8) |
| 22          | 44                  | 1.375 (34.9) | 1.510 (38.4) | .910 (23.1) | 2.090 (53.1) | 1.125 (28.6) | 1.375 (34.9) |
| 24          | 48                  | 1.500 (38.1) | 1.510 (38.4) | .900 (22.9) | 2.280 (57.9) | 1.250 (31.8) | 1.500 (38.1) |

1. When maximum cable entry (page 21) is exceeded, Style 2 will be supplied.  
Dimensions E, F, G, and H will not apply. Please consult factory.
2. Metric dimensions (mm) are indicated in parentheses.
3. Consult factory for shorter lengths on straight backshells.
4. Backshells supplied with 600-052-\* band, see Glenair Series 600 Tool Catalog for installation.

**-445**

Now Available  
with the "NESTOR"

Add "-445" to Specify  
Glenair's Non-Detent,  
Spring-Loaded, Self-  
Locking Coupling. See  
Page 41 for Details.