

# EMI/RFI Non-Environmental Band-in-a-Can Backshell with QwikClamp Strain-Relief Self-Locking Rotatable Coupling - Standard Profile

## CONNECTOR DESIGNATORS **A-F-H-L-S** SELF-LOCKING ROTATABLE COUPLING

Product Series — 447 F S 421 NF 16 12-8 K P

Connector Designator —

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

Basic Part No. —

Finish (Table II) —

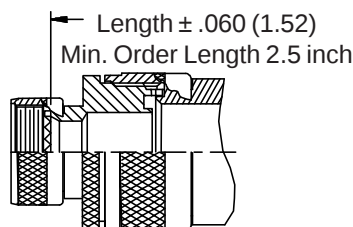
Polysulfide (Omit for none)

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

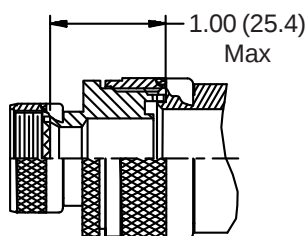
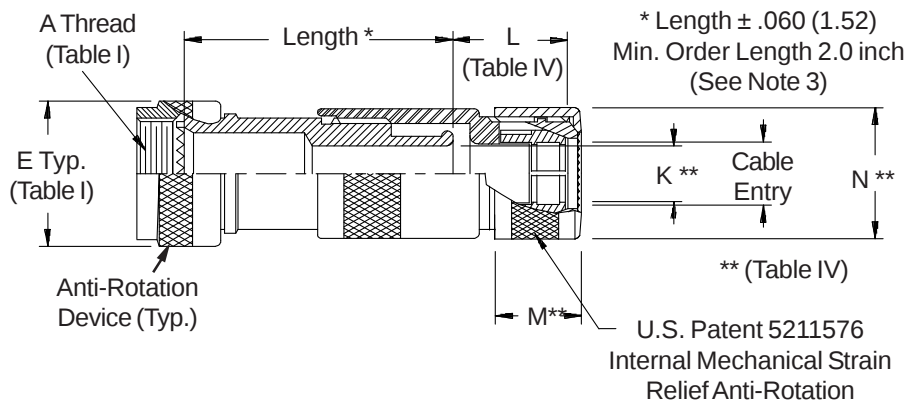
Length: S only  
(1/2 inch increments,  
e.g. 8 = 4.000 inches)

Cable Entry (Table IV)

Shell Size (Table I)



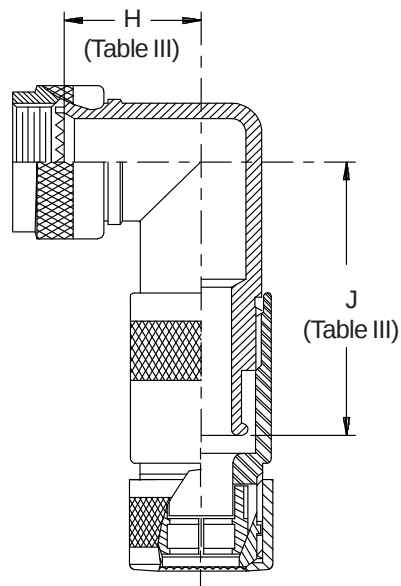
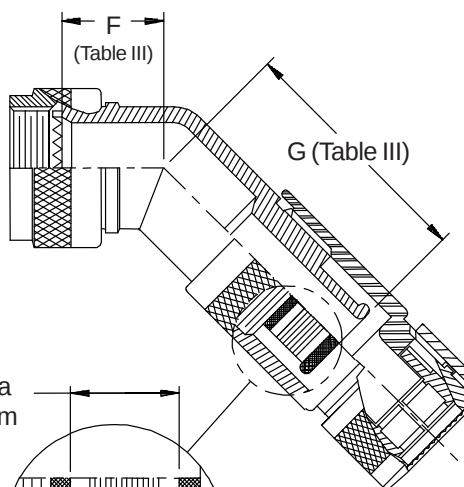
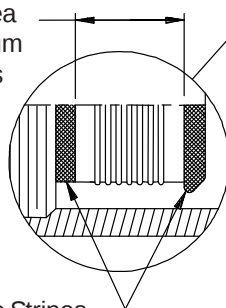
**STYLE 2  
(STRAIGHT  
See Note 1)**



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



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



**447-421**  
**EMI/RFI Non-Environmental Band-in-a-Can Backshell**  
**with QwikClamp Strain-Relief**  
**Self-Locking 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. |    | F    |        | G     |        | H     |        | J     |        |
|----------------------------|----|------|--------|-------|--------|-------|--------|-------|--------|
| A-F-L-S                    | H  | Max  |        | Max   |        | Max   |        | Max   |        |
| 08                         | 09 | .795 | (20.2) | 1.380 | (35.1) | .906  | (23.0) | 1.500 | (38.1) |
| 10                         | 11 | .820 | (20.8) | 1.410 | (35.8) | .966  | (24.5) | 1.550 | (39.4) |
| 12                         | 13 | .844 | (21.4) | 1.430 | (36.3) | 1.026 | (26.1) | 1.610 | (40.9) |
| 14                         | 15 | .861 | (21.9) | 1.460 | (37.1) | 1.076 | (27.3) | 1.680 | (42.7) |
| 16                         | 17 | .888 | (22.6) | 1.480 | (37.6) | 1.136 | (28.9) | 1.740 | (44.2) |
| 18                         | 19 | .904 | (23.0) | 1.490 | (37.8) | 1.176 | (29.9) | 1.760 | (44.7) |
| 20                         | 21 | .929 | (23.6) | 1.510 | (38.4) | 1.236 | (31.4) | 1.820 | (46.2) |
| 22                         | 23 | .956 | (24.3) | 1.550 | (39.4) | 1.296 | (32.9) | 1.900 | (48.3) |
| 24                         | 25 | .979 | (24.9) | 1.580 | (40.1) | 1.356 | (34.4) | 1.970 | (50.0) |

**TABLE IV: CABLE RANGE**

| Dash No. | Clamp Size (Ref) | K Dia        | L     |        | M    |        | N     |        | Cable Range  |              |
|----------|------------------|--------------|-------|--------|------|--------|-------|--------|--------------|--------------|
|          |                  |              | Max   |        | Max  |        | Max   |        | 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 F, G, H and J 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.