



# 319-064 Composite Self-Locking Rotatable Coupling Swing-Arm Strain Relief with Nickel/Copper EMI/RFI Shield Sock & Optional Split Ring

## CONNECTOR DESIGNATOR

MIL-DTL-38999 Series I, II (F)  
MIL-DTL-38999 Series III and IV (H)

**F-H**

**SELF-LOCKING  
ROTATABLE  
COUPLING**

Product Series

**319**

Connector Designator  
(F and H)

Basic Number

**064**

Finish

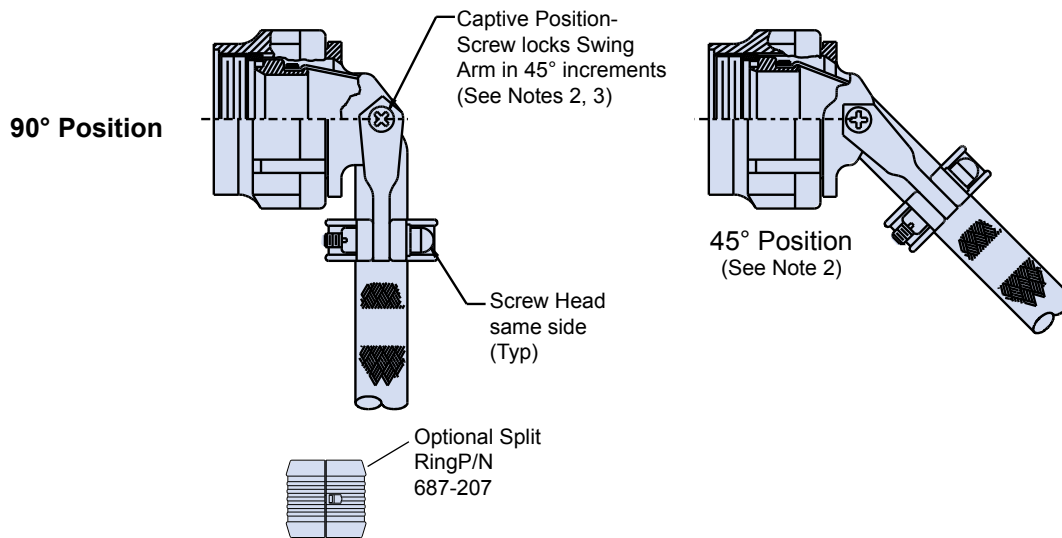
Shell Size

**XO**

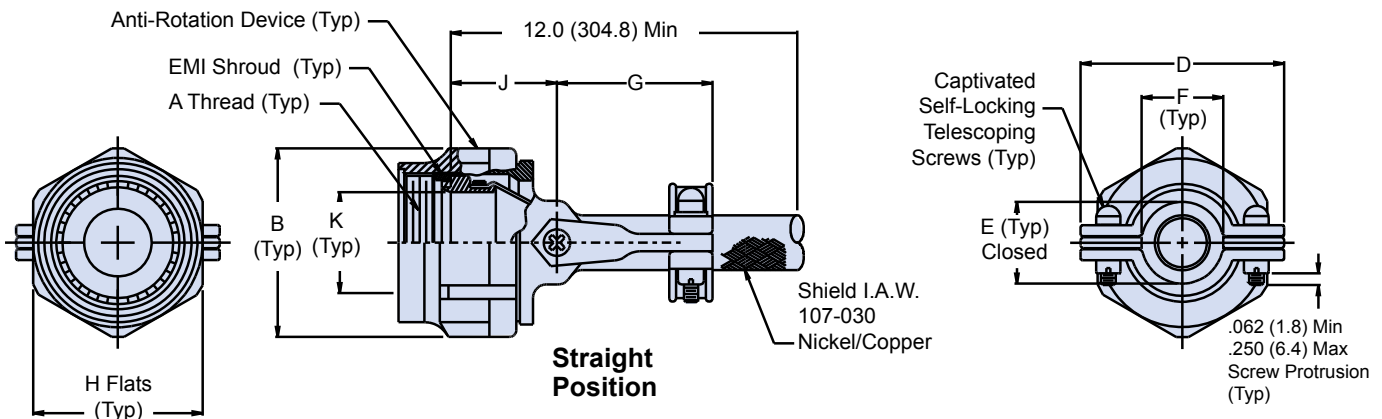
**16**

**R**

**R = Split Ring (687-207) &  
Band (600-052) supplied  
(Omit if not required)**



U.S. PATENT NO. 6419519



**319-064**  
**Composite Self-Locking Rotatable Coupling**  
**Composite Swing-Arm Strain Relief with**  
**Nickel/Copper EMI/RFI Shield Sock & Optional Split Ring**



**TABLE II: FINISHES**

| Symbol     | Finish                                                                                                                                            |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>XB</b>  | Composite Material, No Plating, Color Black, Brass Interface Shroud and Adapter - Nickel Plated                                                   |
| <b>XMT</b> | Composite Material, No Plating, Color Black and Brown, Brass Interface Shroud and Adapter - Ni-PTFE 1000 Hour Grey™ (Nickel-Fluorocarbon Polymer) |
| <b>XN</b>  | Composite Material, No Plating, Color Black and Brown, Brass Interface Shroud and Adapter - Selectively Cadmium Plated                            |
| <b>XO</b>  | Composite Material, No Plating, Color Black and Brown, Brass Interface Shroud and Adapter - Nickel Plated                                         |

**TABLE III: CONNECTOR SHELL SIZE ORDER NUMBER**

| Shell Size for<br>Connector<br>Designator<br>F H |    | B Dia<br>Max | D<br>Max     | E<br>±.06 (1.5) | F<br>Min    | G<br>Max     | H<br>Flats<br>Max Min |              | J<br>±.06 (1.5) | K<br>Ref     |
|--------------------------------------------------|----|--------------|--------------|-----------------|-------------|--------------|-----------------------|--------------|-----------------|--------------|
| 08                                               | 09 | .812 (20.6)  | .980 (24.9)  | .265 (6.7)      | .220 (5.9)  | 1.060 (26.9) | .750 (19.1)           | .736 (18.7)  | .940 (23.9)     | .265 (6.7)   |
| 10                                               | 11 | .938 (23.8)  | 1.050 (26.7) | .310 (7.9)      | .270 (6.9)  | 1.090 (27.7) | .875 (22.2)           | .860 (21.8)  | .970 (24.6)     | .370 (9.4)   |
| 12                                               | 13 | 1.125 (28.6) | 1.200 (30.5) | .390 (9.9)      | .350 (8.9)  | 1.180 (30.0) | 1.000 (25.4)          | .980 (24.9)  | 1.030 (26.2)    | .506 (12.9)  |
| 14                                               | 15 | 1.250 (31.8) | 1.300 (33.0) | .506 (12.9)     | .470 (11.9) | 1.240 (31.5) | 1.125 (28.6)          | 1.100 (27.9) | 1.090 (27.7)    | .580 (14.7)  |
| 16                                               | 17 | 1.375 (34.9) | 1.440 (36.6) | .591 (15.0)     | .550 (14.0) | 1.320 (33.5) | 1.250 (31.8)          | 1.224 (31.1) | 1.120 (28.4)    | .705 (17.9)  |
| 18                                               | 19 | 1.500 (38.1) | 1.560 (39.6) | .661 (16.8)     | .620 (15.7) | 1.390 (35.3) | 1.375 (34.9)          | 1.469 (37.3) | 1.150 (29.2)    | .784 (19.9)  |
| 20                                               | 21 | 1.625 (41.3) | 1.690 (42.9) | .744 (18.9)     | .700 (17.8) | 1.550 (39.4) | 1.500 (38.1)          | 1.500 (38.1) | 1.180 (30.0)    | .909 (23.1)  |
| 22                                               | 23 | 1.750 (44.5) | 1.770 (45.0) | .826 (21.0)     | .780 (19.8) | 1.550 (39.4) | 1.625 (41.3)          | 1.581 (40.2) | 1.250 (31.8)    | 1.034 (26.3) |
| 24                                               | 25 | 1.875 (47.6) | 1.890 (48.0) | .896 (22.8)     | .850 (21.6) | 1.610 (40.9) | 1.750 (44.5)          | 1.960 (49.8) | 1.280 (32.5)    | 1.149 (29.2) |

Consult factory for additional entry sizes available.

**APPLICATION NOTES**

- Glenair series 600 Backshell assembly Tools are recommended for assembly and installation.
- Swing Arm locks in 45° increments—Sizes 08 thru 24, additional positioning increments are manufacturer's option.
- Captive Screw can remain engaged to the body when positioning the Arm. When tightened, the Screw shall not protrude into the inside surfaces.
- Fits Connector Designators: MIL-DTL-38999 Series I, II (F), MIL-DTL-38999 Series III and IV (H), MIL-DTL-5015 (A), and MIL-DTL-26482 (A).
- Metric dimensions (mm) are indicated in parentheses.