

# 390-053

## Submersible EMI/RFI Cable Sealing Backshell

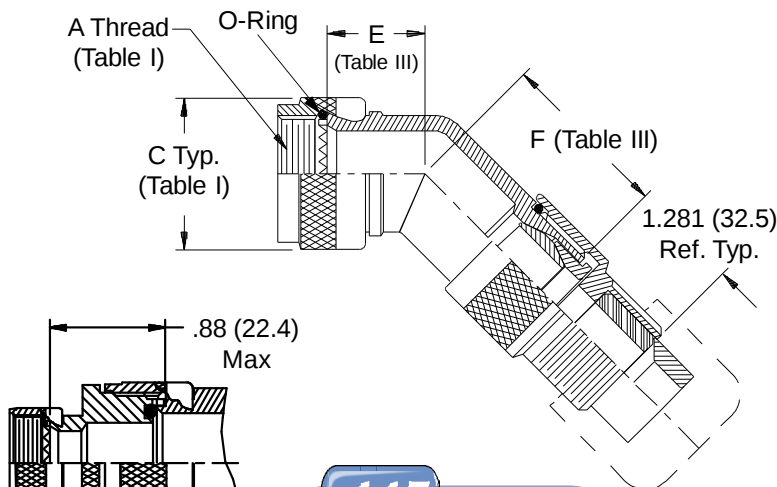
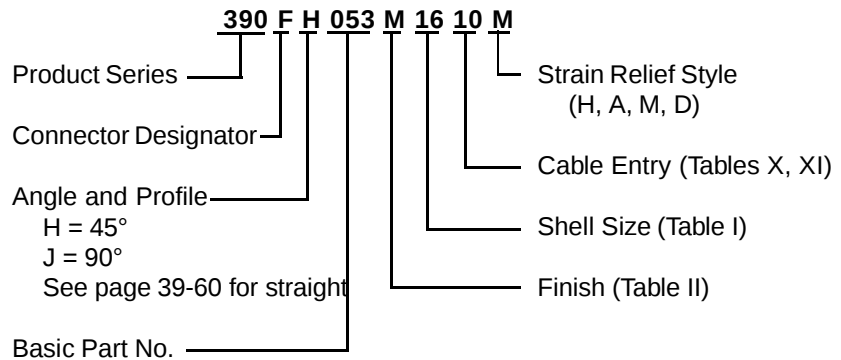
### with Strain Relief

### Type F - Rotatable Coupling - Standard Profile

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

## ROTATABLE COUPLING

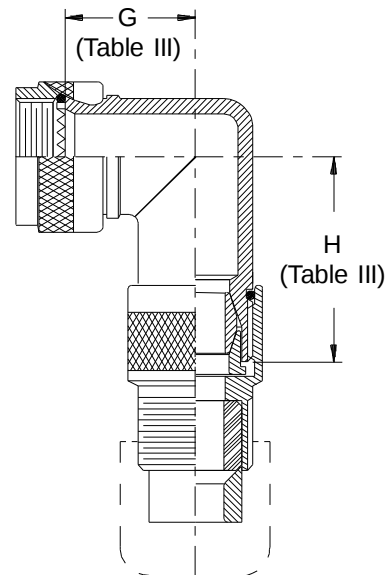
## TYPE F INDIVIDUAL AND/OR OVERALL SHIELD TERMINATION



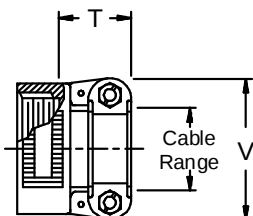
**STYLE 2**  
(See Note 1)

**-445** Now Available with the "NESTOR"

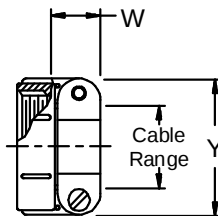
Add "-445" to Specify Glenair's Non-Detent, Spring-Loaded, Self-Locking Coupling. See Page 41 for Details.



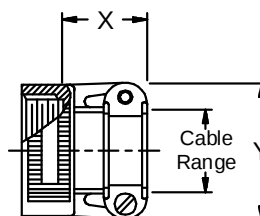
**STYLE H**  
Heavy Duty  
(Table X)



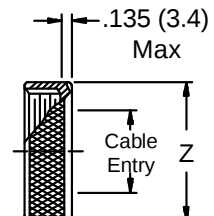
**STYLE A**  
Medium Duty  
(Table XI)



**STYLE M**  
Medium Duty  
(Table XI)



**STYLE D**  
Medium Duty  
(Table XI)



**390-053**  
**Submersible EMI/RFI Cable Sealing Backshell**  
 with Strain Relief  
 Type F - 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) | 1.031 (26.2) | .750 (19.1)  | 1.157    | (29.4) |
| 10                                      | 11 | .664 (16.9) | 1.063 (27.0) | .810 (20.6)  | 1.217    | (30.9) |
| 12                                      | 13 | .688 (17.5) | 1.094 (27.8) | .870 (22.1)  | 1.277    | (32.4) |
| 14                                      | 15 | .705 (17.9) | 1.119 (28.4) | .920 (23.4)  | 1.347    | (34.2) |
| 16                                      | 17 | .732 (18.6) | 1.147 (29.1) | .980 (24.9)  | 1.407    | (35.7) |
| 18                                      | 19 | .748 (19.0) | 1.157 (29.4) | 1.020 (25.9) | 1.427    | (36.2) |
| 20                                      | 21 | .773 (19.6) | 1.177 (29.9) | 1.080 (27.4) | 1.487    | (37.8) |
| 22                                      | 23 | .800 (20.3) | 1.217 (30.9) | 1.140 (29.0) | 1.567    | (39.8) |
| 24                                      | 25 | .823 (20.9) | 1.247 (31.7) | 1.200 (30.5) | 1.637    | (41.6) |

| TABLE X: CABLE ENTRY |              |              |              |       |        |
|----------------------|--------------|--------------|--------------|-------|--------|
| Dash<br>No.          | T<br>Max     | V<br>Max     | Cable Range  |       |        |
|                      |              |              | Min          | Max   |        |
| 04                   | .780 (19.8)  | .957 (24.3)  | .125 (3.2)   | .312  | (7.9)  |
| 06                   | .780 (19.8)  | 1.145 (29.1) | .250 (6.4)   | .437  | (11.1) |
| 08                   | .780 (19.8)  | 1.332 (33.8) | .387 (9.3)   | .562  | (14.3) |
| 10                   | .780 (19.8)  | 1.332 (33.8) | .350 (8.9)   | .625  | (15.9) |
| 12                   | .811 (20.6)  | 1.551 (39.4) | .500 (12.7)  | .750  | (19.1) |
| 16                   | .905 (23.0)  | 1.770 (45.0) | .625 (15.9)  | .937  | (23.8) |
| 20                   | 1.092 (27.7) | 2.113 (53.7) | .875 (22.2)  | 1.250 | (31.8) |
| 24                   | 1.124 (28.5) | 2.363 (60.0) | 1.000 (25.4) | 1.375 | (34.9) |
| 28                   | 1.399 (35.5) | 2.770 (70.4) | 1.250 (31.8) | 1.625 | (41.3) |
| 32                   | 1.399 (35.5) | 3.020 (76.7) | 1.437 (36.5) | 1.875 | (47.6) |

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. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
4. Interface O-Ring not supplied with connector designator A.
5. -445 modification not available for MIL-DTL-38999 Series II.

| TABLE XI: CABLE ENTRY |              |              |              |              |              |       |        |
|-----------------------|--------------|--------------|--------------|--------------|--------------|-------|--------|
| Dash<br>No.           | W<br>Max     | X<br>Max     | Y<br>Max     | Z<br>Max     | Cable Range  |       |        |
|                       |              |              |              |              | Min **       | Max   |        |
| 03*                   | .437 (11.1)  | .760 (19.3)  | .843 (21.4)  | .630 (16.0)  | .156 (4.0)   | .250  | (6.4)  |
| 04*                   | .437 (11.1)  | .760 (19.3)  | .906 (23.0)  | .755 (19.2)  | .188 (4.8)   | .312  | (7.9)  |
| 06*                   | .500 (12.7)  | .760 (19.3)  | 1.093 (27.8) | .942 (23.9)  | .281 (7.1)   | .438  | (11.1) |
| 08                    | .563 (14.3)  | .760 (19.3)  | 1.187 (30.1) | 1.067 (27.1) | .387 (9.3)   | .562  | (14.3) |
| 10                    | .563 (14.3)  | .760 (19.3)  | 1.281 (32.5) | 1.192 (30.3) | .375 (9.5)   | .625  | (15.9) |
| 12                    | .563 (14.3)  | .760 (19.3)  | 1.500 (38.1) | 1.380 (35.1) | .438 (11.1)  | .750  | (19.1) |
| 16                    | .656 (16.7)  | 1.073 (27.3) | 1.719 (43.7) | 1.535 (39.0) | .625 (15.9)  | .938  | (23.8) |
| 20                    | .656 (16.7)  | 1.323 (33.6) | 2.062 (52.4) | 1.848 (46.9) | .875 (22.2)  | 1.250 | (31.8) |
| 24                    | .656 (16.7)  | 1.323 (33.6) | 2.312 (58.7) | 2.255 (57.3) | 1.000 (25.4) | 1.375 | (34.9) |
| 28                    | 1.188 (30.2) | 1.572 (39.9) | 2.719 (69.1) | 2.505 (63.6) | 1.250 (31.8) | 1.625 | (41.3) |
| 32*                   | 1.187 (30.1) | 1.572 (39.9) | 2.969 (75.4) | 2.755 (70.0) | 1.437 (36.5) | 1.875 | (47.6) |
| 40*                   | 1.125 (28.6) | 1.572 (39.9) | 3.531 (89.7) | 3.255 (82.7) | 1.875 (47.6) | 2.375 | (60.3) |

\* Not available in Style M clamp.

\*\* Not Applicable Style D