

## 390-001 Submersible EMI/RFI Cable Sealing Backshell with Strain Relief Type A - Rotatable Coupling - Low Profile

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

### TYPE A OVERALL SHIELD TERMINATION

Product Series 390 F S 001 M 16 10 M 6

Connector Designator

Angle and Profile  
A = 90°  
B = 45°  
S = Straight

Length: S only  
(1/2 inch increments:  
e.g. 6 = 3 inches)

Strain Relief Style  
(H, A, M, D)

Cable Entry (Tables X, XI)

Shell Size (Table I)

Finish (Table II)

Basic Part No.

A Thread (Table I)

Length \* (Table I)

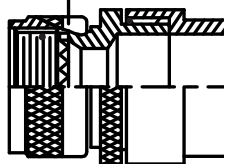
1.125 (28.6) Approx.

O-Rings

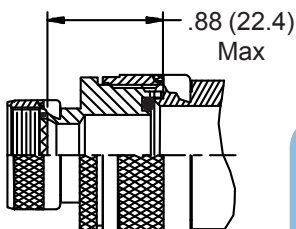
C Typ. (Table I)

\* Length  
± .060 (1.52)  
Minimum Order Length 1.5 Inch  
(See Note 4)

Length ± .060 (1.52)  
Minimum Order Length 2.0 Inch  
(See Note 4)



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

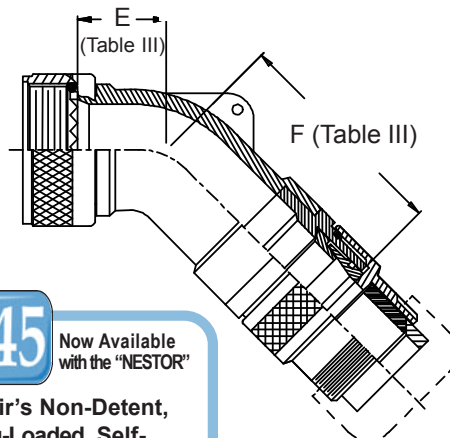


**STYLE 2  
(45° & 90°)**  
See Note 1)

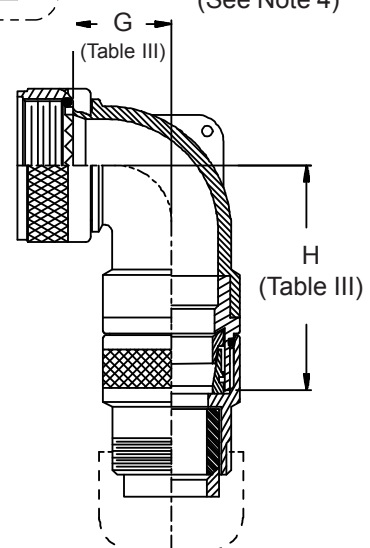
**-445**

Now Available  
with the "NESTOR"

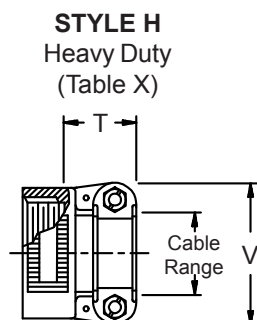
Glenair's Non-Detent,  
Spring-Loaded, Self-  
Locking Coupling.  
Add "-445" to Specify  
This AS85049 Style "N"  
Coupling Interface.



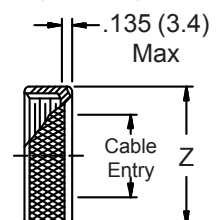
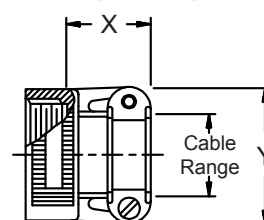
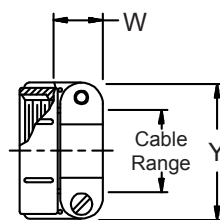
**STYLE A  
Medium Duty**  
(Table XI)



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



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



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

**390-001**  
**Submersible EMI/RFI Cable Sealing Backshell**  
 with Strain Relief  
 Type A - Rotatable Coupling - Low Profile



39

**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 | .457 (11.6)  | 1.760 (44.7) | .500 (12.7)  | 1.880 (47.8) |
| 10                                      | 11 | .520 (13.2)  | 1.920 (48.8) | .595 (15.1)  | 1.990 (50.5) |
| 12                                      | 13 | .582 (14.8)  | 1.990 (50.5) | .610 (15.5)  | 2.020 (51.3) |
| 14                                      | 15 | .645 (16.4)  | 2.144 (54.5) | .700 (17.8)  | 2.154 (54.7) |
| 16                                      | 17 | .738 (18.7)  | 2.254 (57.3) | .885 (22.5)  | 2.244 (57.0) |
| 18                                      | 19 | .926 (23.5)  | 2.444 (62.1) | .975 (24.8)  | 2.414 (61.3) |
| 20                                      | 21 | .926 (23.5)  | 2.444 (62.1) | .975 (24.8)  | 2.414 (61.3) |
| 22                                      | 23 | 1.020 (25.9) | 2.657 (67.5) | 1.125 (28.6) | 2.587 (65.7) |
| 24                                      | 25 | 1.020 (25.9) | 2.657 (67.5) | 1.125 (28.6) | 2.587 (65.7) |
| 28                                      |    | 1.145 (29.1) | 2.690 (68.3) | 1.225 (31.1) | 2.740 (69.6) |
| 32                                      |    | 1.207 (30.7) | 2.790 (70.9) | 1.575 (40.0) | 2.990 (75.9) |
| 36                                      |    | 1.238 (31.4) | 2.930 (74.4) | 1.775 (45.1) | 3.040 (77.2) |

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. Consult factory for shorter lengths on straight backshells.
5. Interface O-Ring not supplied with connector designator A.

**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 (9.8)   | .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) |

See inside back cover  
fold-out or pages 13 and  
14 for Tables I and 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 (9.8)   | .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