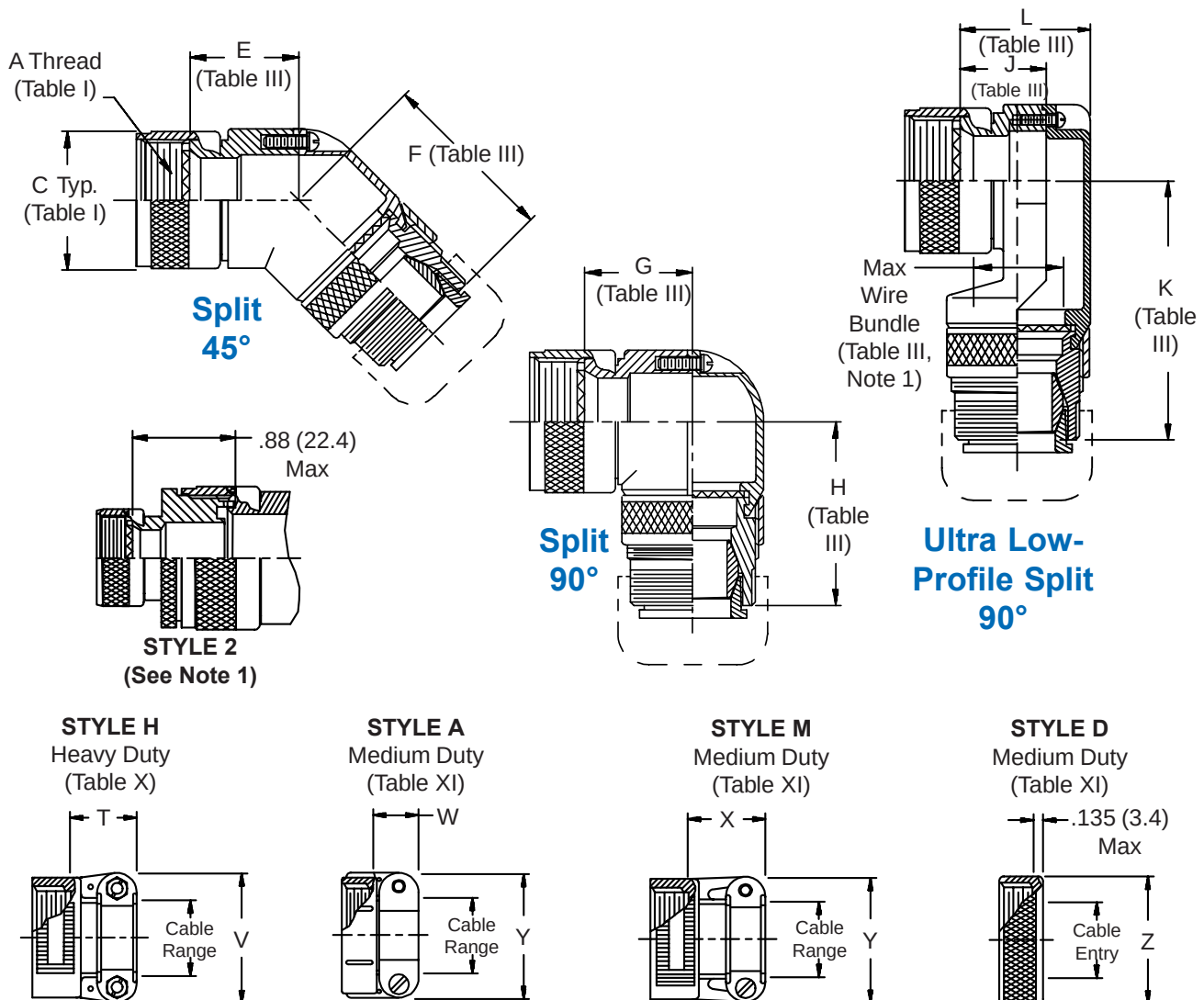
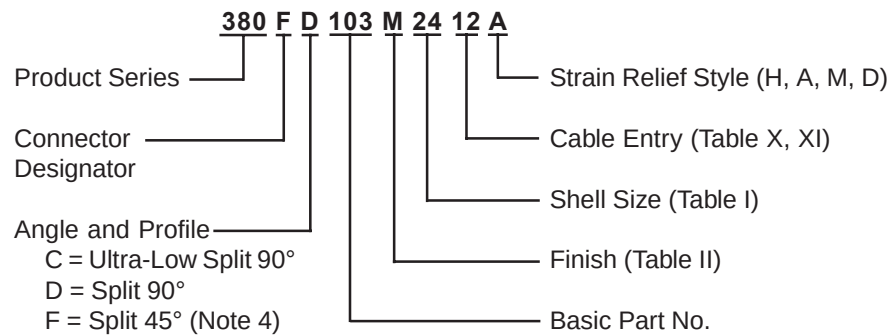


## CONNECTOR DESIGNATORS A-F-H-L-S ROTATABLE COUPLING

### TYPE F INDIVIDUAL AND/OR OVERALL SHIELD TERMINATION



**380-103**  
**EMI/RFI Non-Environmental Backshell**  
with Strain Relief  
**Type F - Rotatable Coupling - Split Shell**



**TABLE III: ELBOW DIMENSIONS**

| Shell Size | E Max       | F Max        | G Max        | H Max        | J Max       | K Max        | L Max        | Function C Max Wire Bundle |
|------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|----------------------------|
| 08/09      | .440 (11.2) | 1.590 (40.4) | .680 (17.3)  | 1.530 (38.9) | .340 (8.6)  | 1.780 (45.2) | .681 (17.3)  | .250 (6.4)                 |
| 10/11      | .500 (12.7) | 1.650 (41.9) | .750 (19.1)  | 1.590 (40.4) | .270 (6.9)  | 1.940 (49.3) | .731 (18.6)  | .375 (9.5)                 |
| 12/13      | .560 (14.2) | 1.720 (43.7) | .810 (20.6)  | 1.660 (42.2) | .270 (6.9)  | 1.940 (49.3) | .731 (18.6)  | .375 (9.5)                 |
| 14/15      | .620 (15.7) | 1.750 (44.5) | .870 (22.1)  | 1.690 (42.9) | .280 (7.1)  | 2.010 (51.1) | .831 (21.1)  | .500 (12.7)                |
| 16/17      | .680 (17.3) | 1.850 (47.0) | .930 (23.6)  | 1.790 (45.5) | .420 (10.7) | 2.060 (52.3) | .981 (24.9)  | .625 (15.9)                |
| 18/19      | .750 (19.1) | 1.910 (48.5) | 1.000 (25.4) | 1.850 (47.0) | .640 (16.3) | 2.090 (53.1) | 1.181 (30.0) | .625 (15.9)                |
| 20/21      | .820 (20.8) | 1.970 (50.0) | 1.060 (26.9) | 1.910 (48.5) | .640 (16.3) | 2.090 (53.1) | 1.181 (30.0) | .625 (15.9)                |
| 22/23      | .880 (22.4) | 2.030 (51.6) | 1.120 (28.4) | 1.970 (50.0) | .540 (13.7) | 2.240 (56.9) | 1.181 (30.0) | .750 (19.1)                |
| 24/25      | .940 (23.9) | 2.090 (53.1) | 1.180 (30.0) | 2.030 (51.6) | .540 (13.7) | 2.240 (56.9) | 1.181 (30.0) | .750 (19.1)                |

**TABLE X: CABLE ENTRY**

| Dash No. | T Max        | V 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) | .312 (7.9)   | .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) |

**TABLE II: STANDARD FINISHES**

| GLENAIR SYMBOL                                      | FINISH                                            |
|-----------------------------------------------------|---------------------------------------------------|
| B                                                   | Cadmium Plate, Olive Drab                         |
| M                                                   | Electroless Nickel                                |
| NF                                                  | Cadmium Plate, Olive Drab Over Electroless Nickel |
| See Inside Back Cover for Additional Finish Options |                                                   |

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

1. When maximum cable entry (page 21) is exceeded, Style 2 will be supplied (not available in Function C). 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 available sizes of 45° (Function F).
5. Angular function "C", low-profile split elbow, not available with "S" connector designator.

**TABLE XI: CABLE ENTRY**

| Dash No.                          | W Max        | X Max        | Y Max        | Z 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) | .344 (8.7)                | .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) | .562 (14.3)               | .938 (23.8)  |
| 20                                | .656 (16.7)  | 1.323 (33.6) | 2.062 (52.4) | 1.848 (46.9) | .750 (19.1)               | 1.250 (31.8) |
| 24                                | .656 (16.7)  | 1.323 (33.6) | 2.312 (58.7) | 2.255 (57.3) | .781 (19.8)               | 1.375 (34.9) |
| 28                                | 1.188 (30.2) | 1.572 (39.9) | 2.719 (69.1) | 2.505 (63.6) | .969 (24.6)               | 1.625 (41.3) |
| * Not available in Style M clamp. |              |              |              |              | ** Not Applicable Style D |              |