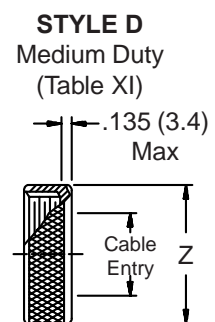
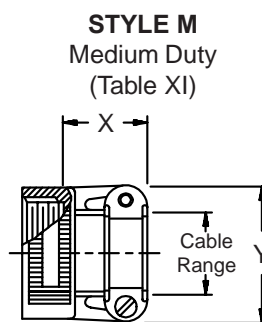
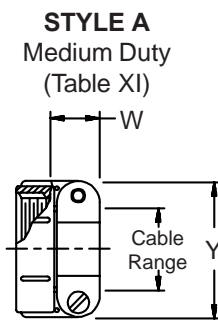
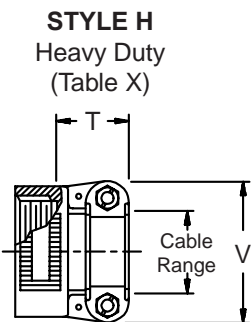
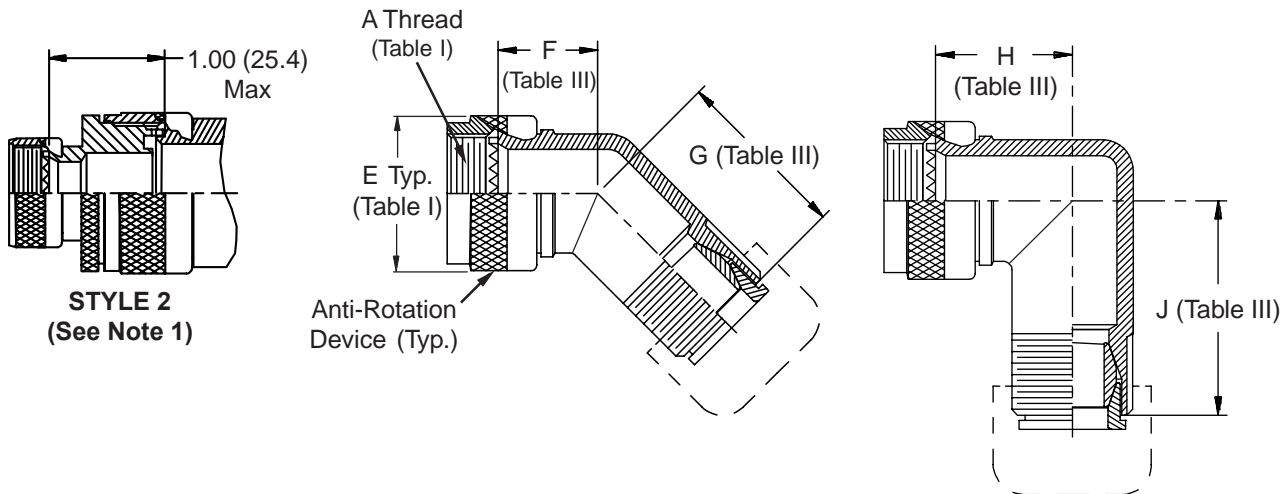
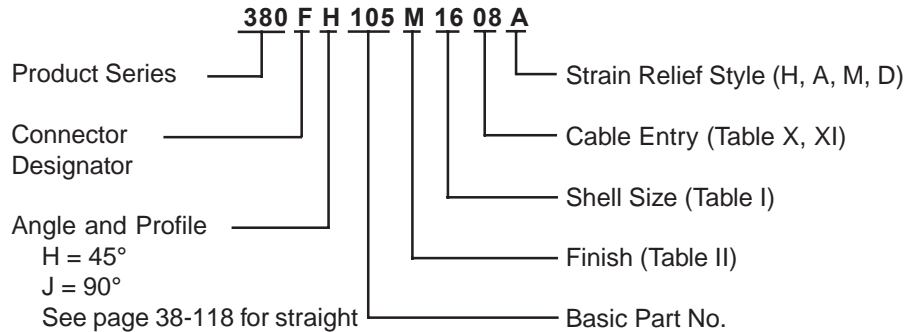


**CONNECTOR  
 DESIGNATORS  
 A-F-H-L-S  
 SELF-LOCKING  
 ROTATABLE  
 COUPLING**

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



**380-105**  
**EMI/RFI Non-Environmental Backshell**  
 with Strain Relief  
 Type F - Self-Locking - Rotatable Coupling - Standard Profile



**TABLE III: ELBOW DIMENSIONS**

| Shell Size   |    | F<br>Max    | G<br>Max     | H<br>Max     | J<br>Max     |
|--------------|----|-------------|--------------|--------------|--------------|
| Conn. Desig. | H  |             |              |              |              |
| A-F-L-S      | H  |             |              |              |              |
| 08           | 09 | .795 (20.2) | 1.015 (25.8) | .906 (23.0)  | 1.125 (28.6) |
| 10           | 11 | .820 (20.8) | 1.045 (26.5) | .966 (24.5)  | 1.185 (30.1) |
| 12           | 13 | .844 (21.4) | 1.065 (27.1) | 1.026 (26.1) | 1.245 (31.6) |
| 14           | 15 | .861 (21.9) | 1.095 (27.8) | 1.076 (27.3) | 1.315 (33.4) |
| 16           | 17 | .888 (22.6) | 1.115 (28.3) | 1.136 (28.9) | 1.375 (34.9) |
| 18           | 19 | .904 (23.0) | 1.125 (28.6) | 1.176 (29.9) | 1.395 (35.4) |
| 20           | 21 | .929 (23.6) | 1.145 (29.1) | 1.236 (31.4) | 1.445 (36.7) |
| 22           | 23 | .956 (24.3) | 1.185 (30.1) | 1.296 (32.9) | 1.535 (39.0) |
| 24           | 25 | .979 (24.9) | 1.215 (30.9) | 1.356 (34.4) | 1.605 (40.8) |

**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.

**TABLE X: CABLE ENTRY**

| Dash 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) | .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) |
| 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 F, G, H and J 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.

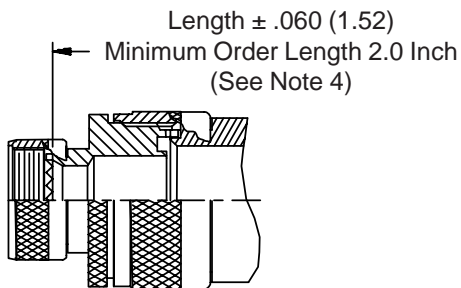
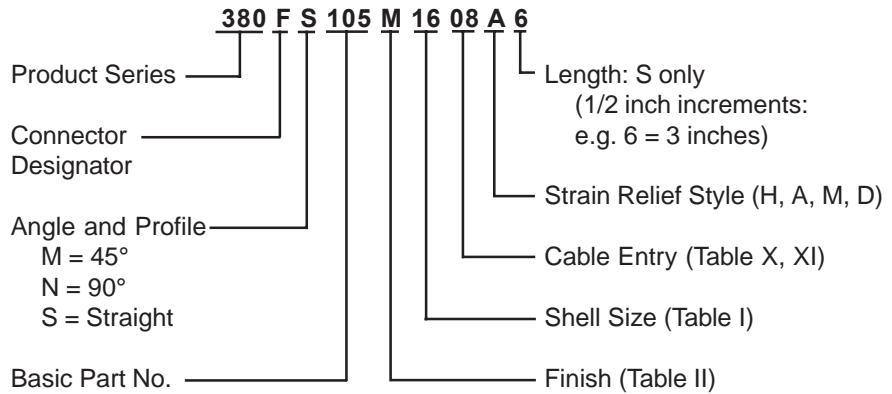
**TABLE XI: CABLE ENTRY**

| Dash 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) | .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) |
| 32*      | 1.187 (30.1) | 1.572 (39.9) | 2.969 (75.4) | 2.755 (70.0) | 1.125 (28.6) | 1.875 (47.6) |
| 40*      | 1.125 (28.6) | 1.572 (39.9) | 3.531 (89.7) | 3.255 (82.7) | 1.469 (37.3) | 2.375 (60.3) |

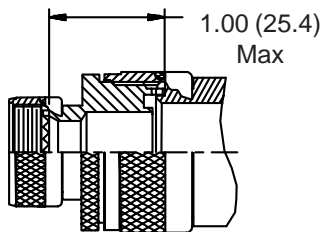
\* Not available in Style M clamp.      \*\* Not Applicable Style D

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

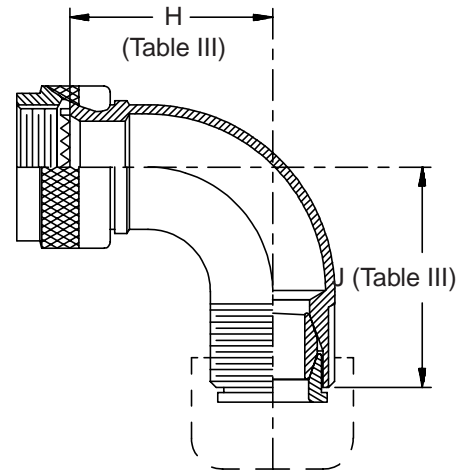
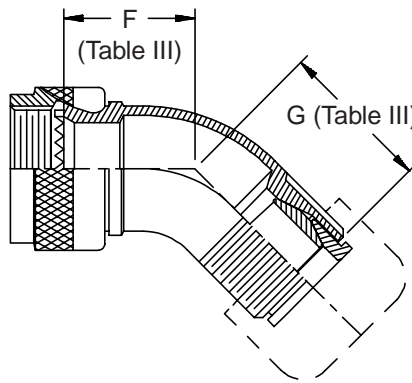
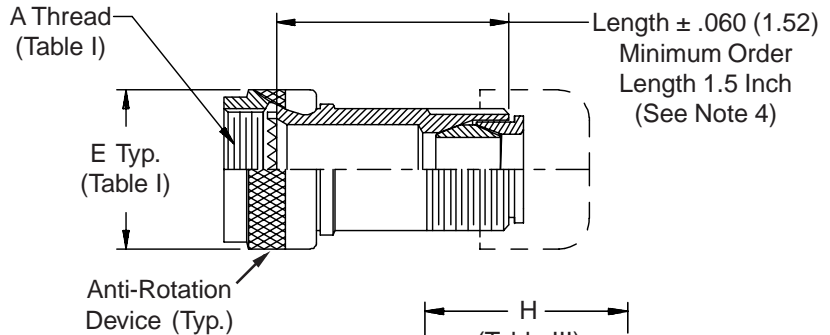
**TYPE F INDIVIDUAL  
 AND/OR OVERALL  
 SHIELD TERMINATION**



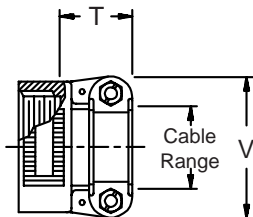
**STYLE 2  
 (STRAIGHT  
 See Note 1)**



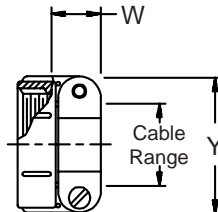
**STYLE 2  
 (45° & 90°  
 See Note 1)**



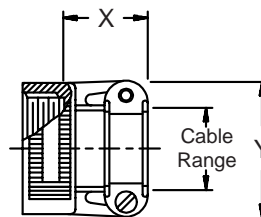
**STYLE H  
 Heavy Duty  
 (Table X)**



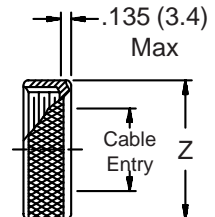
**STYLE A  
 Medium Duty  
 (Table XI)**



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



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



**380-105**  
**EMI/RFI Non-Environmental Backshell**  
with Strain Relief  
Type F - Self-Locking - Rotatable Coupling - Full Radius Profile



**TABLE III: ELBOW DIMENSIONS**

| Shell Size   |    | F     |        | G     |        | H     |        | J     |        |
|--------------|----|-------|--------|-------|--------|-------|--------|-------|--------|
| Conn. Desig. |    | Max   |        | Max   |        | Max   |        | Max   |        |
| A-F-L-S      | H  |       |        |       |        |       |        |       |        |
| 08           | 09 | .968  | (24.6) | .875  | (22.2) | 1.281 | (32.5) | 1.188 | (30.2) |
| 10           | 11 | 1.031 | (26.2) | .938  | (23.8) | 1.406 | (35.7) | 1.312 | (33.3) |
| 12           | 13 | 1.094 | (27.8) | 1.000 | (25.4) | 1.531 | (38.9) | 1.438 | (36.5) |
| 14           | 15 | 1.156 | (29.4) | 1.062 | (27.0) | 1.656 | (42.1) | 1.562 | (39.7) |
| 16           | 17 | 1.219 | (31.0) | 1.125 | (28.6) | 1.781 | (45.2) | 1.688 | (42.9) |
| 18           | 19 | 1.250 | (31.8) | 1.156 | (29.4) | 1.906 | (48.4) | 1.812 | (46.0) |
| 20           | 21 | 1.312 | (33.3) | 1.219 | (31.0) | 2.031 | (51.6) | 1.938 | (49.2) |
| 22           | 23 | 1.344 | (34.1) | 1.250 | (31.8) | 2.156 | (54.8) | 2.062 | (52.4) |
| 24           | 25 | 1.406 | (35.7) | 1.312 | (33.3) | 2.281 | (57.9) | 2.188 | (55.6) |
| 28           |    | 1.500 | (38.1) | 1.625 | (41.3) | 2.531 | (64.3) | 2.625 | (66.7) |

**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.

**TABLE X: CABLE ENTRY**

| Dash No. | T Max        | V Max        | Cable Range  |              |     |     |
|----------|--------------|--------------|--------------|--------------|-----|-----|
|          |              |              | Min          | Max          | 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) |     |     |
| 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 F, G, H and J 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.

**TABLE XI: CABLE ENTRY**

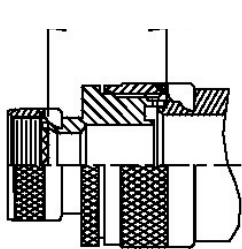
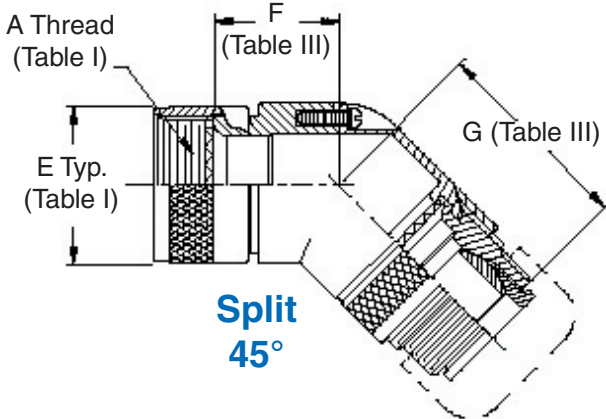
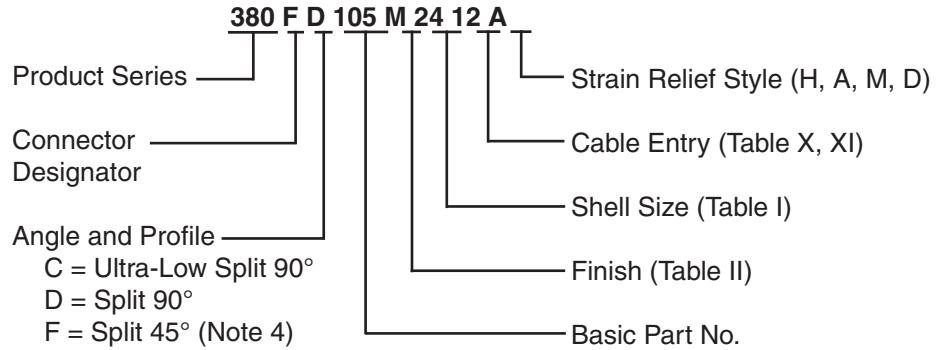
| Dash No. | W Max        | X Max        | Y Max        | Z Max        | Cable Range  |              |
|----------|--------------|--------------|--------------|--------------|--------------|--------------|
|          |              |              |              |              | Min **       | Max          |
| 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) |
| 32*      | 1.187 (30.1) | 1.572 (39.9) | 2.969 (75.4) | 2.755 (70.0) | 1.125 (28.6) | 1.875 (47.6) |
| 40*      | 1.125 (28.6) | 1.572 (39.9) | 3.531 (89.7) | 3.255 (82.7) | 1.469 (37.3) | 2.375 (60.3) |

\* Not available in Style M clamp.      \*\* Not Applicable Style D

**CONNECTOR  
DESIGNATORS**

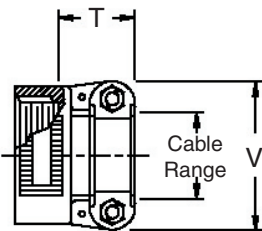
**A-F-H-L-S  
SELF-LOCKING  
ROTATABLE  
COUPLING**

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

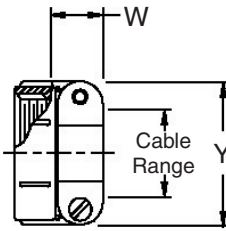


**STYLE 2**  
(See Note 1)

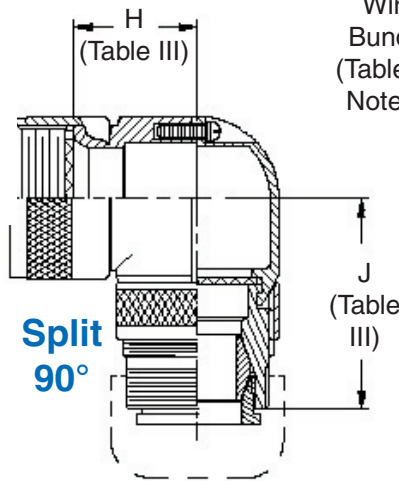
Heavy Duty  
(Table X)



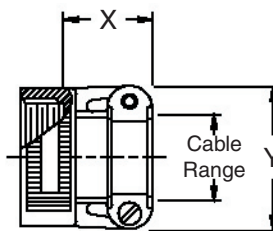
**STYLE A**  
Medium Duty  
(Table XI)



**Ultra Low-  
Profile Split  
90°**



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



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

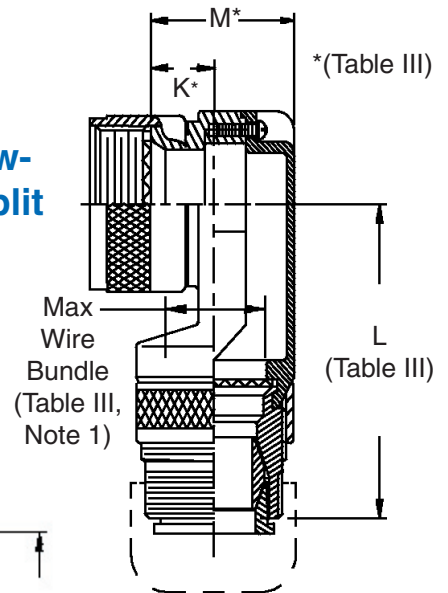
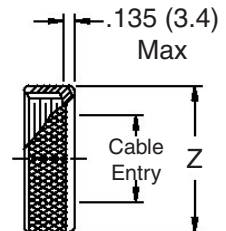


TABLE III: ELBOW DIMENSIONS

| Shell Size | F Max        | G Max        | H Max        | J Max        | K Ref       | L Max        | M Max        | Function C Max Wire Bundle |
|------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|----------------------------|
| 08/09      | .596 (15.1)  | 1.590 (40.4) | .836 (21.2)  | 1.530 (38.9) | .496 (12.6) | 1.780 (45.2) | .837 (21.3)  | .250 (6.4)                 |
| 10/11      | .656 (16.7)  | 1.650 (41.9) | .906 (23.0)  | 1.590 (40.4) | .426 (10.8) | 1.940 (49.3) | .887 (22.5)  | .375 (9.5)                 |
| 12/13      | .716 (18.2)  | 1.720 (43.7) | .966 (24.5)  | 1.660 (42.2) | .426 (10.8) | 1.940 (49.3) | .887 (22.5)  | .375 (9.5)                 |
| 14/15      | .776 (19.7)  | 1.750 (44.5) | 1.026 (26.1) | 1.690 (42.9) | .436 (11.1) | 2.010 (51.1) | .987 (25.1)  | .500 (12.7)                |
| 16/17      | .836 (21.2)  | 1.850 (47.0) | 1.086 (27.6) | 1.790 (45.5) | .576 (14.6) | 2.060 (52.3) | 1.137 (28.9) | .625 (15.9)                |
| 18/19      | .906 (23.0)  | 1.910 (48.5) | 1.156 (29.4) | 1.850 (47.0) | .796 (20.2) | 2.090 (53.1) | 1.337 (34.0) | .625 (15.9)                |
| 20/21      | .976 (24.8)  | 1.970 (50.0) | 1.216 (30.9) | 1.910 (48.5) | .796 (20.2) | 2.090 (53.1) | 1.337 (34.0) | .625 (15.9)                |
| 22/23      | 1.036 (26.3) | 2.030 (51.6) | 1.276 (32.4) | 1.970 (50.0) | .696 (17.7) | 2.240 (56.9) | 1.337 (34.0) | .750 (19.1)                |
| 24/25      | 1.096 (27.8) | 2.090 (53.1) | 1.336 (33.9) | 2.030 (51.6) | .696 (17.7) | 2.240 (56.9) | 1.337 (34.0) | .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) |
| 32       | 1.399 (35.5) | 3.020 (76.7) | 1.437 (36.5) | 1.875 (47.6) |

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.

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) |
| 32*      | 1.187 (30.1) | 1.572 (39.9) | 2.969 (75.4) | 2.755 (70.0) | 1.125 (28.6) | 1.875 (47.6) |
| 40*      | 1.125 (28.6) | 1.572 (39.9) | 3.531 (89.7) | 3.255 (82.7) | 1.469 (37.3) | 2.375 (60.3) |

\* Not available in Style M clamp.      \*\* Not Applicable Style D

- When maximum cable entry (page 21) is exceeded, Style 2 will be supplied (not available in Function C). Dimensions F, G, H and J will not apply. Please consult factory.
- Metric dimensions (mm) are indicated in parentheses.
- Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
- Consult factory for available sizes of 45° (Function F).
- Angular function "C", low-profile split elbow, not available with "S" connector designator.