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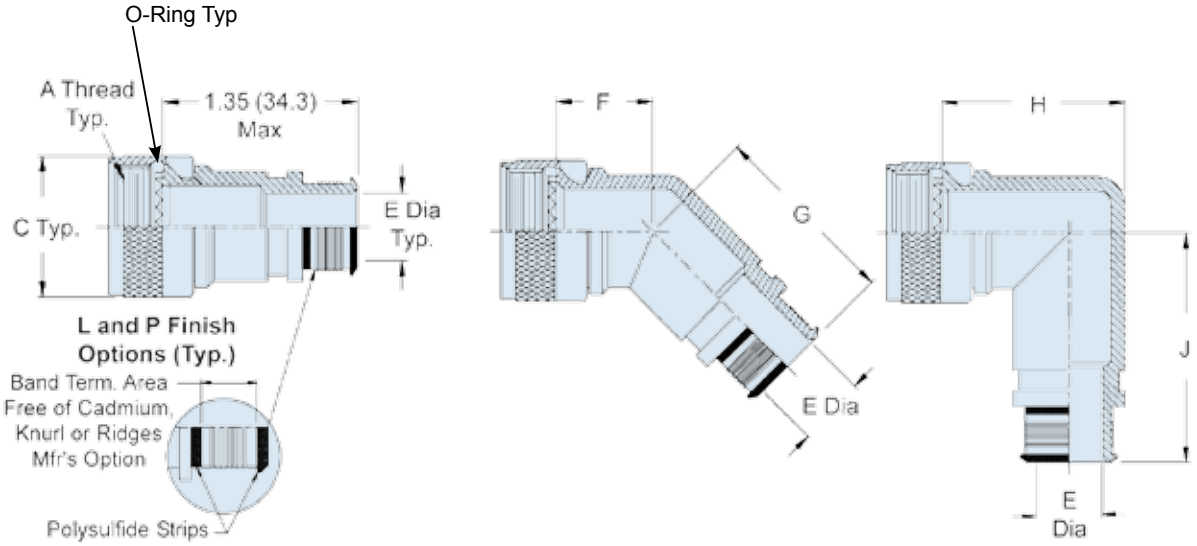
# AS85049/88, AS85049/89 and AS85049/90
## Straight, 45° and 90° Banding Backshells
### with Self-Locking Coupling



| CONNECTOR DESIGNATOR: | |
|---|---|
| H | MIL-DTL-38999 Series III and IV<br>EN3645 |

— = Detented
N = Non-Detented

| M85049/88 | N | 17 | P | 02 | Entry Size (Table I) |
|---|---|---|---|---|---|
| Basic Part Number<br>M85049/88 = Straight<br>M85049/89 = 45°<br>M85049/90 = 90° | | Shell Size (Table I) | Finish (Table II) | | |




## APPLICATION NOTES

1. Assembly identified with manufacturer's name and part number, space permitting.
2. For complete dimensions, see the applicable Military Specification.
3. Metric dimensions (mm) are in parentheses.
4. For use with AS85049/128 Bands.

Dimensions in inches (millimeters) and are subject to change without notice.

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**TABLE I: Shell Size, Cable Entry and Backshell Dimensions**

| Shell Size | A Thread Class 2B | C Dia Max | E Dia Cable Entry Size 02 ±.010 (0.30) | E Dia Cable Entry Size 03 ±.010 (0.30) | F Max | G Max | H Max | J Max |
|---|---|---|---|---|---|---|---|---|
| 9 | M12 X 1 - 6H | .860 (21.8) | N/A | .250 (6.4) | 1.010 (25.7) | 1.160 (29.5) | 1.375 (34.9) | 1.417 (36.0) |
| 11 | M15 X 1 - 6H | .990 (25.1) | N/A | .312 (7.9) | 1.030 (26.2) | 1.190 (30.2) | 1.437 (36.5) | 1.480 (37.6) |
| 13 | M18 X 1 - 6H | 1.160 (29.5) | .312 (7.9) | .438 (11.1) | 1.060 (26.9) | 1.210 (30.7) | 1.562 (39.7) | 1.553 (39.4) |
| 15 | M22 X 1 - 6H | 1.280 (32.5) | .438 (11.1) | .562 (14.3) | 1.080 (27.4) | 1.240 (31.5) | 1.687 (42.8) | 1.614 (41.0) |
| 17 | M25 X 1 - 6H | 1.410 (35.8) | .500 (12.7) | .625 (15.9) | 1.110 (28.2) | 1.260 (32.0) | 1.750 (44.5) | 1.678 (42.6) |
| 19 | M28 X 1 - 6H | 1.520 (38.6) | .625 (15.9) | .750 (19.1) | 1.120 (28.4) | 1.270 (32.3) | 1.875 (47.6) | 1.733 (44.0) |
| 21 | M31 X 1 - 6H | 1.640 (41.7) | .625 (15.9) | .812 (20.6) | 1.150 (29.2) | 1.300 (33.0) | 1.938 (49.2) | 1.796 (45.6) |
| 23 | M34 X 1 - 6H | 1.770 (45.0) | .688 (17.5) | .938 (23.8) | 1.170 (29.7) | 1.330 (33.8) | 2.062 (52.4) | 1.859 (47.2) |
| 25 | M37 X 1 - 6H | 1.890 (48.0) | .750 (19.1) | 1.000 (25.4) | 1.200 (30.5) | 1.350 (34.3) | 2.125 (54.0) | 1.919 (48.7) |

**TABLE II: Finish and Material**

| Aluminum | Composite | Finish Description |
|---|---|---|
| G | Not Available | Electroless Nickel (Space Grade) |
| N | M | Electroless Nickel |
| P | L | Cadmium Olive Drab over Electroless Nickel, Selective Plating |
| W | J | Cadmium Olive Drab |
| X | XC | Nickel Fluorocarbon Polymer |
| YP | YL | Pure Dense Electrodeposited Aluminum, Selective Plating |
| Z | ZC | Zinc Nickel |
| ZP | ZL | Zinc Nickel, Selective Plating |

Dimensions in inches (millimeters) and are subject to change without notice.

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