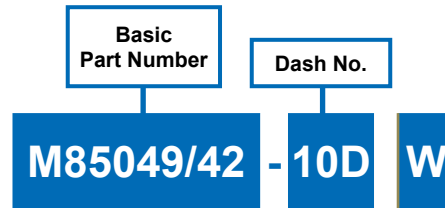




# AS85049/42 and MS3057D

## Straight Non-Self-Locking Strain Relief

for Use with MS "V" Thread General Duty "A" End Bell



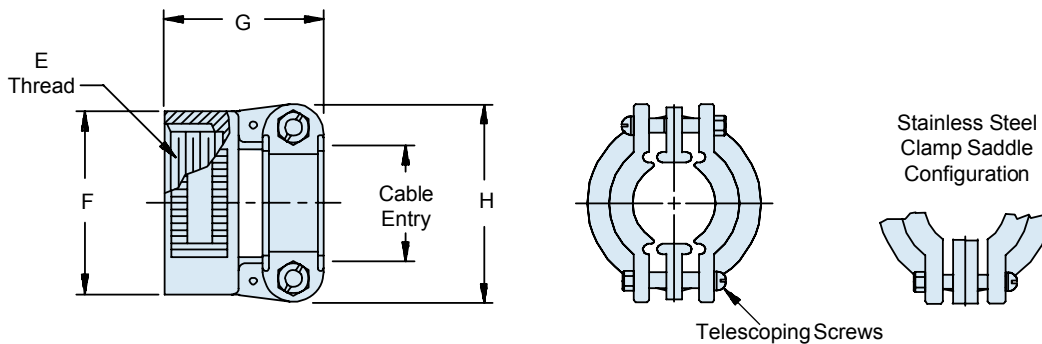
**Superseded PART NUMBER**

MS3057 -10D A

|                |          |   |
|----------------|----------|---|
| Basic Part No. | Dash No. | <b>Metal and Finish Designator</b><br>A = Aluminum Cadmium Olive Drab over Electroless Nickel<br>C = Aluminum, Cadmium Olive Drab<br>N = Aluminum, Electroless Nickel<br>D = 300 Series Steel, Cadmium Black Plate<br>S = 300 Series Steel, Passivate |
|----------------|----------|---|

Finish

*A = Anodize, Black*  
*N = Electroless Nickel*  
*W = 1,000 Hour Cadmium Olive Drab over Electroless Nickel*  
*X = Pure Dense Electrodeposited Aluminum*  
*Y = Passivated*  
*Z = Zinc-Nickel, Black*



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

| Dash No.   | E Thread Class 2B | Ø F Max |        | Ø G   |        | H     |        | Cable Entry |        |       |        |
|------------|-------------------|---------|--------|-------|--------|-------|--------|-------------|--------|-------|--------|
|            |                   |         |        | ±.020 | (.5)   | ±.020 | (.5)   | Max         | Min    |       |        |
| <b>4D</b>  | 5/8 - 24 UNEF     | .937    | (23.8) | 1.281 | (32.5) | .937  | (23.8) | .312        | (7.9)  | .125  | (3.2)  |
| <b>6D</b>  | 3/4 - 20 UNEF     | 1.031   | (26.2) | 1.281 | (32.5) | 1.125 | (28.6) | .437        | (11.1) | .250  | (6.4)  |
| <b>8D</b>  | 7/8 - 20 UNEF     | 1.250   | (31.8) | 1.281 | (32.5) | 1.312 | (33.3) | .562        | (14.3) | .312  | (7.9)  |
| <b>10D</b> | 1 - 20 UNEF       | 1.250   | (31.8) | 1.281 | (32.5) | 1.312 | (33.3) | .625        | (15.9) | .350  | (8.9)  |
| <b>12D</b> | 1 3/16 - 18 UNEF  | 1.437   | (36.5) | 1.312 | (33.3) | 1.531 | (38.9) | .750        | (19.1) | .500  | (12.7) |
| <b>16D</b> | 1 7/16 - 18 UNEF  | 1.688   | (42.9) | 1.406 | (35.7) | 1.750 | (44.5) | .937        | (23.8) | .625  | (15.9) |
| <b>20D</b> | 1 3/4 - 18 UNS    | 2.000   | (50.8) | 1.563 | (39.7) | 2.093 | (53.2) | 1.250       | (31.8) | .875  | (22.2) |
| <b>24D</b> | 2 - 18 UNS        | 2.250   | (57.2) | 1.625 | (41.3) | 2.343 | (59.5) | 1.375       | (34.9) | 1.000 | (25.4) |
| <b>28D</b> | 2 1/4 - 16 UN     | 2.500   | (63.5) | 1.900 | (48.3) | 2.750 | (69.9) | 1.625       | (41.3) | 1.250 | (31.8) |
| <b>32D</b> | 2 1/2 - 16 UN     | 2.750   | (69.9) | 1.900 | (48.3) | 3.000 | (76.2) | 1.875       | (47.6) | 1.437 | (36.5) |

**APPLICATION NOTES**

1. Assembly to be identified with manufacturer's name and part number, space permitting.
2. Cable Entry is defined as the accommodation entry for the wire bundle or cable. Dimensions are not intended for inspection criteria.
3. For complete dimensions, see the applicable Military Specification.
4. Metric dimensions (mm) are in parentheses.