

**MIL-DTL-26482**  
**SERIES 2 CONNECTORS**

**Hitech India Private Limited**



## Introduction

This catalog covers the Hitech India MIL-DTL-26482, Series 2 Connectors. These connectors are bayonet coupling type, and they feature crimp contacts that are rear insertable and rear releasable. They can be ordered through Hitech India, by military or equivalent proprietary part numbers.

The connectors covered in this catalog broaden the miniature cylindrical family offered by Hitech India, so that now users have the broadest range of product available to them.

Should more information be required concerning the connectors covered in this publication, or if special application needs arise, please contact factory :

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## Hitech India Miniature Cylindrical MIL-DTL-26482, Series 2 Connectors



MS 3470  
IMB1-0  
wall mounting receptacle  
with narrow flange



MS 3472  
IMB1-2  
wall mounting receptacle  
with wide flange



MS 3471  
IMB1-1  
cable connecting receptacle



MS 3474  
IMB1-4  
jam nut receptacle



MS 3476  
IMB1-6  
straight plug  
  
MS 3475  
IMB1-5  
plug with RFI grounding  
fingers

**Hitech India broadens their Miniature Cylindrical Family of Connectors with the addition of the product line of MIL-DTL-26482, Series 2 connectors.**

This series provides a bayonet coupling connector with crimp rear insertable, rear releasable contacts.

### DESIGN CHARACTERISTICS

- Medium size, environmentally resistant connector
- Recommended operating voltage to 1000 VAC (RMS) at sea level
- Quick positive coupling assured by 3 point bayonet coupling system
- Visual confirmation of complete coupling
- Eliminates mismatching by the use of five key/keyway design
- Insertion and removal of contacts from the rear of the connectors assures no damage to the front that might affect the sealing characteristics
- Utilizes same standard qualified rear release type plastic tool for contact insertion and removal
- Contacts are qualified to SAE AS 39029 requirements - BIN coded (three colour bands, and are crimped with standard crimp tools per MIL-C-22520
- Grommets are constructed of tear-resistant elastomer and experience no degradation when exposed to a broad range of fluids
- Sealing over a range of wire diameters is assured by a triple webbed grommet at the rear of the connector
- Closed entry socket side of the insert is designed with a lead-in chamfer and a hard face that will accept a pin contact bent within pre-established limits
- Elastomer interfacial seal on the pin side has raised barriers around each pin which displace into the socket chamfer when mated, providing a positive moisture seal
- **CUSTOMER OPTIONS**  
Shell styles within this family include:
  - Wall mount with either a narrow or a wide flange, jam nut single hole mount, and cable connecting receptacles, along with standard plugs or plugs with RFI grounding fingers, in shell sizes 8 to 24
  - MS and Proprietary versions available
  - Accommodation of contact sizes 20, 16 and 12
  - 34 insert arrangement patterns available, accommodating from a minimum of 3 to a maximum of 55 circuits
  - Alternate positioning available
  - Various finishes are available (for information on non-cadmium zinc cobalt plating, consult factory

# Class Descriptions, Performance Specifications

## Hitech India Miniature Cylindrical MIL-DTL- 26482, Series 2 Connectors

class descriptions, performance specifications

### CLASS DESCRIPTIONS

| Military<br>MIL-DTL-26482, Series 2 | Description                                                              |
|-------------------------------------|--------------------------------------------------------------------------|
| Class L                             | Aluminum shell, electroless nickel finish, fluid resistant               |
| Class E                             | Inactive, superceded by Class L*                                         |
| Class R                             | Inactive, superceded by Class L*                                         |
| Class A                             | Aluminum shell, black non-conductive anodized finish, fluid resistant    |
| -                                   | Proprietary class G - Stainless steel shell, passivated, fluid resistant |
| Class W                             | Aluminum shell, olive drab cadmium plated, corrosion/fluid resistant     |

\* Ref. MIL-DTL-26482

### PERFORMANCE SPECIFICATIONS

#### SERVICE RATINGS\*\*

| Service<br>Rating | Recommended<br>Operating AC Voltage<br>at Sea Level | Test Voltage AC (RMS), 60 cps |            |            |             |
|-------------------|-----------------------------------------------------|-------------------------------|------------|------------|-------------|
|                   |                                                     | Sea Level                     | 50,000 ft. | 70,000 ft. | 110,000 ft. |
| I                 | 600                                                 | 1,500                         | 500        | 375        | 200         |
| II                | 1,000                                               | 2,300                         | 750        | 500        | 200         |

\*\* Service rating is comparable to MS rating A. Miniature connectors rated Service Rating I will provide a minimum flashover voltage at sea level of 2000 volts AC (RMS). Service rating II is comparable to MS Service Rating D, and will provide a minimum flashover voltage of 2,800 volts AC (RMS) at sea level.

Please note that the electrical data given is not an establishment of electrical safety factors. This is left entirely in the designer's hands, as he can best determine which peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

#### OPERATING TEMPERATURE RANGE

-55° C to 200° C

#### ENVIRONMENTAL SEAL

Wired, mated connectors with the specified accessory attached will meet the altitude immersion test specified in MIL-DTL-26482.

#### DURABILITY

Minimum of 500 mating cycles.

#### SHOCK AND VIBRATION REQUIREMENTS

When tested as follows, the connector shall sustain no physical damage, or electrical discontinuity exceeding one microsecond.

##### SHOCK

Pulse of an approximate half sine wave of 300g magnitude with duration of 3 milliseconds applied in 3 axes

##### VIBRATION

Sixteen hours of random vibration having a range of 50 to 2,000 Hz with a 41.7G peak level

## Miniature Cylindrical MIL-DTL-26482, Series 2

insert arrangements, insert alternate positioning

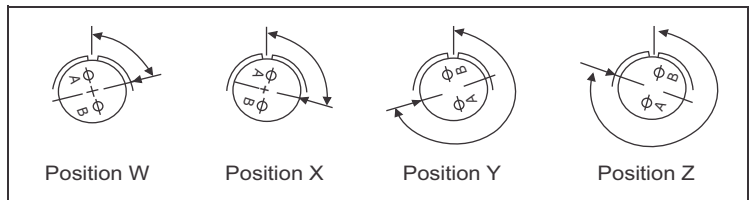
### INSERT ARRANGEMENTS

| Insert Arrangement | Service Rating | Total Contacts | Contact Size |    |    |
|--------------------|----------------|----------------|--------------|----|----|
|                    |                |                | 12           | 16 | 20 |
| 8-33               | I              | 3              |              |    | 3  |
| 8-98               | I              | 3              |              |    | 3  |
| 10-6               | I              | 6              |              |    | 6  |
| 12-3               | II             | 3              |              | 3  |    |
| 12-8               | I              | 8              |              |    | 8  |
| 12-10              | I              | 10             |              |    | 10 |
| 14-4               | I              | 4              | 4            |    |    |
| 14-5               | II             | 5              |              | 5  |    |
| 14-9               | I              | 9              | 4            |    | 5  |
| 14-12              | I              | 12             |              | 4  | 8  |
| 14-15              | I              | 15             |              | 1  | 14 |
| 14-18              | I              | 18             |              |    | 18 |
| 14-19              | I              | 19             |              |    | 19 |
| 16-8               | II             | 8              |              | 8  |    |
| 16-23              | I              | 23             |              | 1  | 22 |
| 16-26              | I              | 26             |              |    | 26 |
| 18-8               | I              | 8              | 8            |    |    |
| 18-11              | II             | 11             |              | 11 |    |
| 18-30              | I              | 30             |              | 1  | 29 |
| 18-32              | I              | 32             |              |    | 32 |
| 20-16              | II             | 16             |              | 16 |    |
| 20-24              | I              | 24             |              |    | 24 |
| 20-39              | I              | 39             |              | 2  | 37 |
| 20-41              | I              | 41             |              |    | 41 |
| 22-12              | I              | 12             | 12           |    |    |
| 22-19              | I              | 19             | 19           |    |    |
| 22-21              | II             | 21             |              | 21 |    |
| 22-32              | I              | 32             |              |    | 32 |
| 22-41              | I              | 41             |              | 14 | 27 |
| 22-55              | I              | 55             |              |    | 55 |
| 22-95              | I              | 32             | 6            |    | 26 |
| 24-19              | II             | 19             | 19           |    |    |
| 24-31              | I              | 31             |              | 31 |    |
| 24-61              | I              | 61             |              |    | 61 |

### INSERT ALTERNATE POSITIONING

To avoid cross-plugging problems in applications requiring the use of more than one connector of the same size and arrangement, alternate rotations are available as indicated in the chart below.

As shown in the diagram, the front face of the pin insert is rotated within the shell in a clockwise direction from the normal shell key. The socket insert would be rotated counter-clockwise the same number of degrees in respect to the normal shell key.



View looking into front face of pin insert or rear of socket insert.

| Insert Arrangement | Degrees |     |     |     |
|--------------------|---------|-----|-----|-----|
|                    | W       | X   | Y   | Z   |
| 8-33               | 90      | -   | -   | -   |
| 8-98               | -       | -   | -   | -   |
| 10-6               | 90      | -   | -   | -   |
| 12-3               | -       | -   | 180 | -   |
| 12-8               | 90      | 112 | 203 | 292 |
| 12-10              | 60      | 155 | 270 | 295 |
| 14-4               | 45      | -   | -   | -   |
| 14-5               | 40      | 92  | 184 | 273 |
| 14-9               | 15      | 90  | 180 | 270 |
| 14-12              | 43      | 90  | -   | -   |
| 14-15              | 17      | 110 | 155 | 234 |
| 14-18              | 15      | 90  | 180 | 270 |
| 14-19              | 30      | 165 | 315 | -   |
| 16-8               | 54      | 152 | 180 | 331 |
| 16-23              | 158     | 270 | -   | -   |
| 16-26              | 60      | -   | 275 | 338 |
| 18-8               | 180     | -   | -   | -   |
| 18-11              | 62      | 119 | 241 | 340 |
| 18-30              | 18      | 193 | 285 | 350 |
| 18-32              | 85      | 138 | 222 | 265 |
| 20-16              | 238     | 318 | 333 | 347 |
| 20-24              | 70      | 145 | 215 | 290 |
| 20-39              | 63      | 144 | 252 | 333 |
| 20-41              | 45      | 126 | 225 | -   |
| 22-12              | -       | -   | -   | -   |
| 22-19              | 15      | 90  | 225 | 308 |
| 22-21              | 16      | 135 | 175 | 349 |
| 22-32              | 72      | 145 | 215 | 288 |
| 22-41              | 39      | 135 | 264 | -   |
| 22-55              | 30      | 142 | 226 | 314 |
| 22-95              | 26      | 180 | 266 | -   |
| 24-19              | 30      | 165 | 315 | -   |
| 24-31              | 90      | 225 | 255 | -   |
| 24-61              | 90      | 180 | 270 | 324 |

# Insert Arrangement Patterns

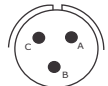
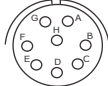
## Miniature Cylindrical MIL-DTL-26482, Series 2

### Contact Legend

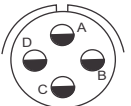
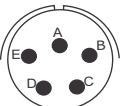
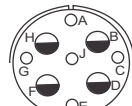
|              |                                                                                     |                                                                                     |                                                                                     |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Symbol       |  |  |  |
| Contact size | 20                                                                                  | 16                                                                                  | 12                                                                                  |

### insert arrangements

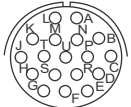
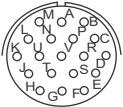
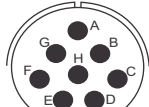
front face of pin insert or rear face of socket insert illustrated

|                    |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                    |  |  |  |  |  |  |
| Insert Arrangement | 8-33                                                                              | 8-98                                                                              | 10-06                                                                             | 12-03                                                                              | *12-08                                                                              | 12-10                                                                               |
| Service Rating     | I                                                                                 | I                                                                                 | I                                                                                 | II                                                                                 | I                                                                                   | I                                                                                   |
| Number of Contacts | 3                                                                                 | 3                                                                                 | 6                                                                                 | 3                                                                                  | 8                                                                                   | 10                                                                                  |
| Contact Size       | 20                                                                                | 20                                                                                | 20                                                                                | 16                                                                                 | 20                                                                                  | 20                                                                                  |

|                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      |                                                                                      |
|--------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                    |  |  |  |  |  |
| Insert Arrangement | *14-04                                                                             | 14-05                                                                              | *14-09                                                                              | 14-12                                                                                | 14-15                                                                                |
| Service Rating     | I                                                                                  | II                                                                                 | I                                                                                   | I                                                                                    | I                                                                                    |
| Number of Contacts | 4                                                                                  | 5                                                                                  | 5 4                                                                                 | 8 4                                                                                  | 14 1                                                                                 |
| Contact Size       | 12                                                                                 | 16                                                                                 | 20 12                                                                               | 20 16                                                                                | 20 16                                                                                |

|                    |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                    |  |  |  |  |  |
| Insert Arrangement | *14-18                                                                              | 14-19                                                                               | *16-08                                                                               | *16-23                                                                                | 16-26                                                                                 |
| Service Rating     | I                                                                                   | I                                                                                   | II                                                                                   | I                                                                                     | I                                                                                     |
| Number of Contacts | 18                                                                                  | 19                                                                                  | 8                                                                                    | 22 1                                                                                  | 26                                                                                    |
| Contact Size       | 20                                                                                  | 20                                                                                  | 16                                                                                   | 20 16                                                                                 | 20                                                                                    |

\*Available on request. Please contact factory.

# Insert Arrangement Patterns

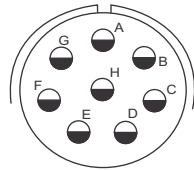
## Miniature Cylindrical MIL-DTL-26482, Series 2

### Contact Legend

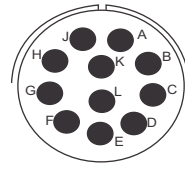
| Symbol       | ○  | ●  | ◐  |
|--------------|----|----|----|
| Contact size | 20 | 16 | 12 |

### insert arrangements

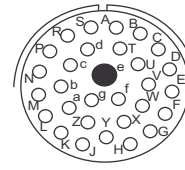
front face of pin insert or rear face of socket insert illustrated



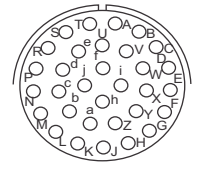
\*18-08



\*18-11



18-30



18-32

Insert Arrangement  
Service Rating  
Number of Contacts  
Contact Size

I

8

12

II

11

16

I

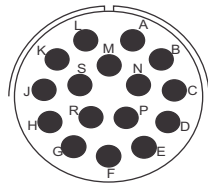
29 1

20 16

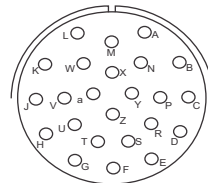
I

32

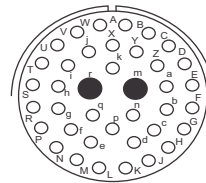
20



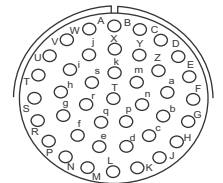
\*20-16



\*20-24



\*20-39



20-41

Insert Arrangement  
Service Rating  
Number of Contacts  
Contact Size

II

16

16

I

24

20

I

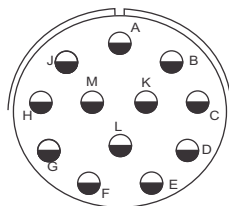
37 2

20 16

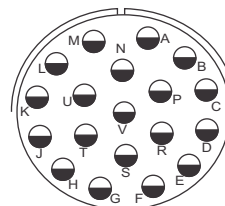
I

41

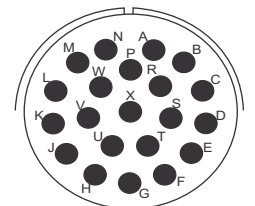
20



\*22-12



\*22-19



\*22-21

Insert Arrangement  
Service Rating  
Number of Contacts  
Contact Size

I

12

12

I

19

12

II

21

16

\*Available on request. Please contact factory.

# Insert Arrangement Patterns

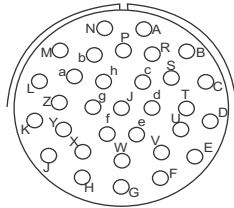
## Miniature Cylindrical MIL-DTL-26482, Series 2

### Contact Legend

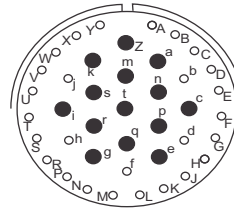
|              |                                                                                     |                                                                                     |                                                                                     |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Symbol       |  |  |  |
| Contact size | 20                                                                                  | 16                                                                                  | 12                                                                                  |

### insert arrangements

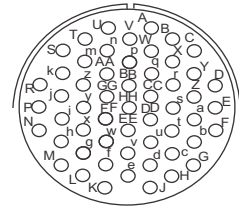
front face of pin insert or rear face of socket insert illustrated



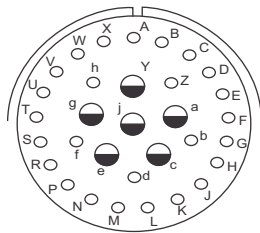
|                    |        |
|--------------------|--------|
| Insert Arrangement | *22-32 |
| Service Rating     | I      |
| Number of Contacts | 32     |
| Contact Size       | 20     |



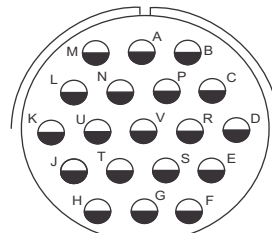
|                    |        |
|--------------------|--------|
| Insert Arrangement | *22-41 |
| Service Rating     | I      |
| Number of Contacts | 27 14  |
| Contact Size       | 20 16  |



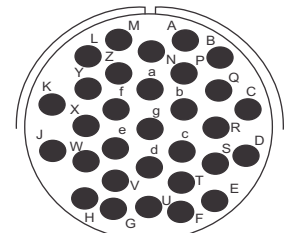
|                    |       |
|--------------------|-------|
| Insert Arrangement | 22-55 |
| Service Rating     | I     |
| Number of Contacts | 55    |
| Contact Size       | 20    |



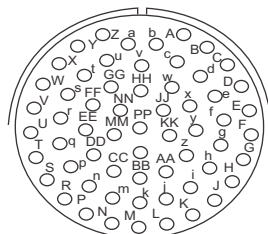
|                    |        |
|--------------------|--------|
| Insert Arrangement | *22-95 |
| Service Rating     | I      |
| Number of Contacts | 26 6   |
| Contact Size       | 20 12  |



|                    |        |
|--------------------|--------|
| Insert Arrangement | *24-19 |
| Service Rating     | II     |
| Number of Contacts | 19     |
| Contact Size       | 12     |



|                    |       |
|--------------------|-------|
| Insert Arrangement | 24-31 |
| Service Rating     | I     |
| Number of Contacts | 31    |
| Contact Size       | 16    |



|                    |       |
|--------------------|-------|
| Insert Arrangement | 24-61 |
| Service Rating     | I     |
| Number of Contacts | 61    |
| Contact Size       | 20    |

\*Available on request. Please contact factory.

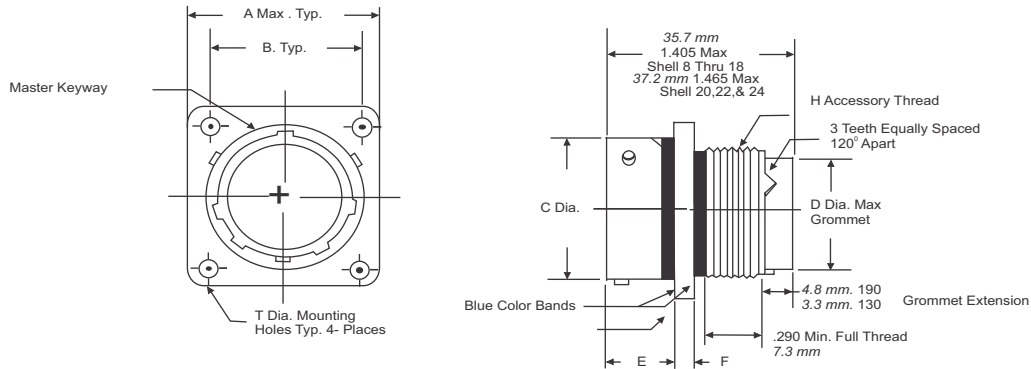


# Wall Mounting Receptacle Wide Flange

## Miniature Cylindrical MIL-C-26482, Series 2 IMB1- 0

Receptacle Shell, Wall Mount with Narrow Flange,  
Bayonet Coupling

**Military No. MS3470**



To complete order number see ordering information, page 14.  
Inches

| Shell Size | A Max. | B $\pm .005$ | C Dia. $\pm .003$ | D Dia. Max. | E         | F $\pm .016$ | H Accessory Thread Class 2A | T $\pm .005$ |
|------------|--------|--------------|-------------------|-------------|-----------|--------------|-----------------------------|--------------|
| 8          | .828   | .594         | .471              | .305        | .462/.431 | .062         | .5000-20 UNF                | .120         |
| 10         | .954   | .719         | .588              | .405        | .462/.431 | .062         | .6250-24 UNEF               | .120         |
| 12         | 1.047  | .812         | .748              | .531        | .462/.431 | .062         | .7500-20 UNEF               | .120         |
| 14         | 1.141  | .906         | .873              | .665        | .462/.431 | .062         | .8750-20 UNEF               | .120         |
| 16         | 1.234  | .969         | .998              | .790        | .462/.431 | .062         | 1.0000-20 UNEF              | .120         |
| 18         | 1.328  | 1.062        | 1.123             | .869        | .462/.431 | .062         | 1.0625-18 UNEF              | .120         |
| 20         | 1.453  | 1.156        | 1.248             | .994        | .587/.556 | 0.94         | 1.1875-18 UNEF              | .120         |
| 22         | 1.578  | 1.250        | 1.373             | 1.119       | .587/.556 | 0.94         | 1.3125-18 UNEF              | .120         |
| 24         | 1.703  | 1.375        | 1.498             | 1.244       | .620/.589 | 0.94         | 1.4375-18 UNEF              | .147         |

Millimeters

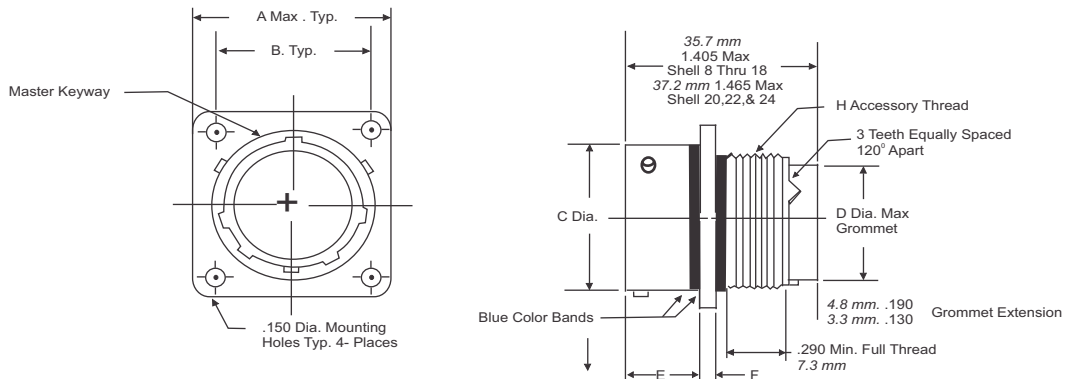
| Shell Size | A Max. | B $\pm .005$ | C Dia. $\pm .003$ | D Dia. Max. | E         | F $\pm .016$ | H Accessory Thread Class 2A | T $\pm .005$ |
|------------|--------|--------------|-------------------|-------------|-----------|--------------|-----------------------------|--------------|
| 8          | 21.0   | 15.0         | 12.0              | 07.7        | 11.7/10.9 | 1.6          | .5000-20 UNF                | 3.0          |
| 10         | 24.2   | 18.3         | 15.0              | 10.3        | 11.7/10.9 | 1.6          | .6250-24 UNEF               | 3.0          |
| 12         | 26.6   | 20.6         | 19.0              | 13.5        | 11.7/10.9 | 1.6          | .7500-20 UNEF               | 3.0          |
| 14         | 29.0   | 23.0         | 22.1              | 16.9        | 11.7/10.9 | 1.6          | .8750-20 UNEF               | 3.0          |
| 16         | 31.3   | 24.6         | 25.3              | 20.1        | 11.7/10.9 | 1.6          | 1.0000-20 UNEF              | 3.0          |
| 18         | 33.7   | 27.0         | 28.5              | 22.1        | 11.7/10.9 | 1.6          | 1.0625-18 UNEF              | 3.0          |
| 20         | 37.0   | 29.4         | 31.5              | 25.2        | 14.9/14.1 | 2.4          | 1.1875-18 UNEF              | 3.0          |
| 22         | 40.0   | 31.7         | 34.9              | 28.4        | 14.9/14.1 | 2.4          | 1.3125-18 UNEF              | 3.0          |
| 24         | 43.2   | 35.0         | 38.0              | 31.6        | 15.7/14.9 | 2.4          | 1.4375-18 UNEF              | 3.7          |

# Wall Mounting Receptacle Wide Flange

## Miniature Cylindrical MIL-DTL-26482, Series 2 IMB1-2

Receptacle Shell, Wall Mount with Wide Flange,  
Bayonet Coupling

**Military No. MS3472**



To complete order number see ordering information, page 14.

| Shell Size | A Max. | B $\pm .005$ | C Dia. $\pm .003$ | D Dia. Max. | E         | F $\pm .016$ | H Thread Class 2A |
|------------|--------|--------------|-------------------|-------------|-----------|--------------|-------------------|
| 8          | 1.065  | .734         | .471              | .305        | .493/.462 | .062         | .5000-20 UNF      |
| 10         | 1.141  | .812         | .588              | .405        | .493/.462 | .062         | .6250-24 UNEF     |
| 12         | 1.266  | .938         | .748              | .531        | .493/.462 | .062         | .7500-20 UNEF     |
| 14         | 1.360  | 1.031        | .873              | .665        | .493/.462 | .062         | .8750-20 UNEF     |
| 16         | 1.453  | 1.125        | .998              | .790        | .493/.462 | .062         | 1.0000-20 UNEF    |
| 18         | 1.532  | 1.203        | 1.123             | .869        | .493/.462 | .062         | 1.0625-18 UNEF    |
| 20         | 1.688  | 1.297        | 1.248             | .994        | .587/.556 | 0.94         | 1.1875-18 UNEF    |
| 22         | 1.766  | 1.375        | 1.373             | 1.119       | .587/.556 | 0.94         | 1.3125-18 UNEF    |
| 24         | 1.891  | 1.500        | 1.498             | 1.244       | .620/.589 | 0.94         | 1.4375-18 UNEF    |

### Millimeters

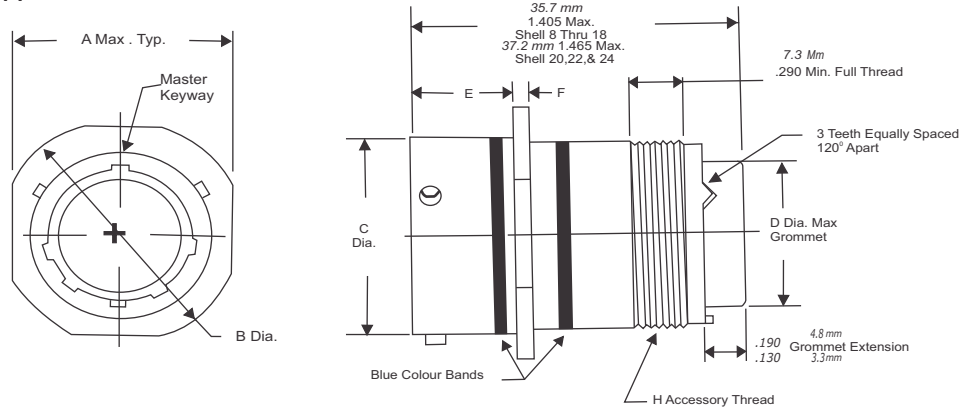
| Shell Size | A Max. | B $\pm .005$ | C Dia. $\pm .003$ | D Dia. Max. | E         | F $\pm .016$ | H Thread Class 2A |
|------------|--------|--------------|-------------------|-------------|-----------|--------------|-------------------|
| 8          | 27.1   | 18.6         | 11.9              | 7.7         | 11.7/10.9 | 1.5          | .50000-20 UNF     |
| 10         | 29.0   | 20.6         | 14.9              | 10.3        | 11.7/10.9 | 1.5          | .6250-24 UNEF     |
| 12         | 32.1   | 23.8         | 19.0              | 13.5        | 11.7/10.9 | 1.5          | .7500-20 UNEF     |
| 14         | 34.5   | 26.1         | 22.1              | 16.9        | 11.7/10.9 | 1.5          | .8750-20 UNEF     |
| 16         | 36.9   | 28.6         | 25.3              | 20.0        | 11.7/10.9 | 1.5          | 1.0000-20 UNEF    |
| 18         | 38.9   | 30.5         | 28.5              | 22.0        | 11.7/10.9 | 1.5          | 1.0625-18 UNEF    |
| 20         | 42.9   | 32.9         | 31.7              | 25.3        | 14.9/14.1 | 2.3          | 1.1875-18 UNEF    |
| 22         | 44.8   | 34.9         | 34.8              | 28.4        | 14.9/14.1 | 2.3          | 1.3125-18 UNEF    |
| 24         | 48.0   | 38.1         | 38.0              | 31.6        | 15.7/14.9 | 2.3          | 1.4375-18 UNEF    |

# Cable Connecting Receptacle

## Miniature Cylindrical MIL-DTL-26482, Series 2 IMB1-1

Receptacle Shell, Cable Connecting,  
Bayonet Coupling

**Military No. MS3471**



To complete order number see ordering information, page 14.

| Shell Size | A Max. | B Dia. $\pm .020$ | C Dia. $\pm .003$ | D Dia. Max. | E         | F $\pm .016$ | H Thread Class 2A |
|------------|--------|-------------------|-------------------|-------------|-----------|--------------|-------------------|
| 8          | .828   | .938              | .471              | .305        | .462/.431 | .062         | .5000-20 UNF      |
| 10         | .954   | 1.062             | .588              | .405        | .462/.431 | .062         | .6250-24 UNEF     |
| 12         | 1.047  | 1.156             | .748              | .531        | .462/.431 | .062         | .7500-20 UNEF     |
| 14         | 1.141  | 1.250             | .873              | .665        | .462/.431 | .062         | .8750-20 UNEF     |
| 16         | 1.234  | 1.344             | .998              | .790        | .462/.431 | .062         | 1.0000-20 UNEF    |
| 18         | 1.328  | 1.438             | 1.123             | .869        | .462/.431 | .062         | 1.0625-18 UNEF    |
| 20         | 1.453  | 1.562             | 1.248             | .994        | .587/.556 | 0.94         | 1.1875-18 UNEF    |
| 22         | 1.578  | 1.688             | 1.373             | 1.119       | .587/.556 | 0.94         | 1.3125-18 UNEF    |
| 24         | 1.703  | 1.812             | 1.498             | 1.244       | .620/.589 | 0.94         | 1.4375-18 UNEF    |

Millimeters.

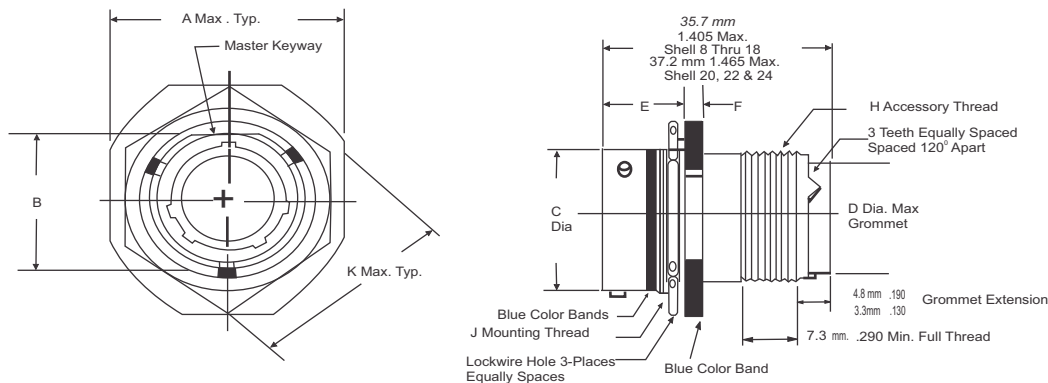
| Shell Size | A Max. | B Dia. $\pm .020$ | C Dia. $\pm .003$ | D Dia. Max. | E          | F $\pm .016$ | H Thread Class 2A |
|------------|--------|-------------------|-------------------|-------------|------------|--------------|-------------------|
| 8          | 21.0   | 23.8              | 12.0              | 7.7         | 11.7/10.91 | 1.6          | .5000-20 UNF      |
| 10         | 24.2   | 27.0              | 14.9              | 10.2        | 11.7/10.9  | 1.6          | .6250-24 UNEF     |
| 12         | 26.6   | 29.3              | 18.8              | 13.5        | 11.7/10.9  | 1.6          | .7500-20 UNEF     |
| 14         | 29.0   | 31.7              | 22.1              | 16.9        | 11.7/10.9  | 1.6          | .8750-20 UNEF     |
| 16         | 31.3   | 34.1              | 25.3              | 20.0        | 11.7/10.91 | 1.6          | 1.0000-20 UNEF    |
| 18         | 33.7   | 36.5              | 28.5              | 22.1        | 11.7/10.9  | 1.6          | 1.0625-18 UNEF    |
| 20         | 36.9   | 39.7              | 31.7              | 25.2        | 14.9/14.1  | 2.4          | 1.1875-18 UNEF    |
| 22         | 40.0   | 42.9              | 34.9              | 28.42       | 14.9/14.1  | 2.4          | 1.3125-18 UNEF    |
| 24         | 43.2   | 46.0              | 38.0              | 31.6        | 15.7/14.9  | 2.4          | 1.4375-18 UNEF    |

# Jam Nut Receptacle

## Miniature Cylindrical MIL-DTL-26482, Series 2 IMB1- 4

Receptacle Shell, Jam Nut Mount,  
Bayonet Coupling

**Military No. MS3474**



To complete order number see ordering information , page 14.

| Shell Size | A Max. | B ±.005 | C Dia. ±.003 | D Dia. Max. | E         | F         | H Accessory Thread Class 2A | J Mounting Thread Class 2A | K Max. |
|------------|--------|---------|--------------|-------------|-----------|-----------|-----------------------------|----------------------------|--------|
| 8          | .954   | .525    | .471         | .305        | .707/.658 | .113/.086 | .5000-20 UNF                | .5625-24 UNEF              | .767   |
| 10         | 1.078  | .650    | .588         | .405        | .707/.658 | .113/.086 | .6250-24 UNEF               | .6875-24 UNEF              | .892   |
| 12         | 1.266  | .813    | .748         | .531        | .707/.658 | .113/.086 | .7500-20 UNEF               | .8750-20 UNEF              | 1.079  |
| 14         | 1.391  | .937    | .873         | .665        | .707/.658 | .113/.086 | .8750-20 UNEF               | 1.0000-20 UNEF             | 1.205  |
| 16         | 1.516  | 1.061   | .998         | .790        | .707/.658 | .113/.086 | 1.0000-20 UNEF              | 1.1250-18 UNEF             | 1.329  |
| 18         | 1.641  | 1.186   | 1.123        | .869        | .707/.658 | .113/.086 | 1.0625-18 UNEF              | 1.2500-18 UNEF             | 1.455  |
| 20         | 1.828  | 1.311   | 1.248        | .994        | .772/.721 | .148/.096 | 1.1875-18 UNEF              | 1.3750-18 UNEF             | 1.579  |
| 22         | 1.954  | 1.436   | 1.373        | 1.119       | .772/.721 | .148/.096 | 1.3125-18 UNEF              | 1.5000-18 UNEF             | 1.705  |
| 24         | 2.078  | 1.561   | 1.498        | 1.244       | .772/.721 | .148/.096 | 1.4375-18 UNEF              | 1.6250-18 UNEF             | 1.829  |

Millimeters

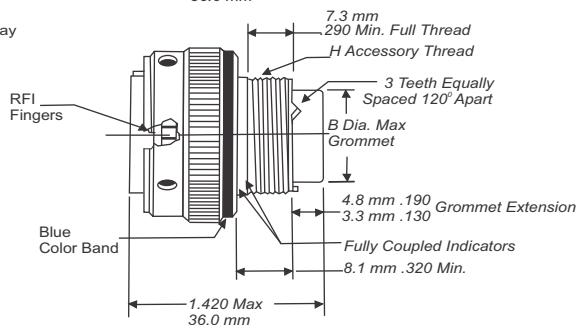
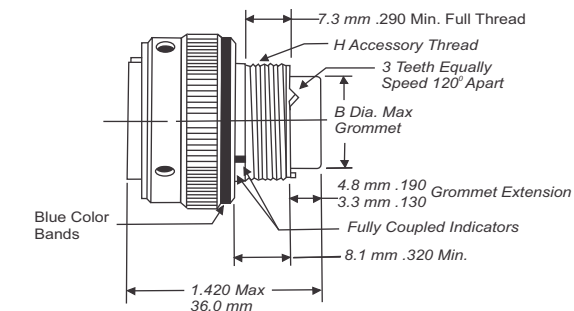
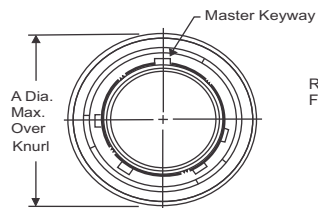
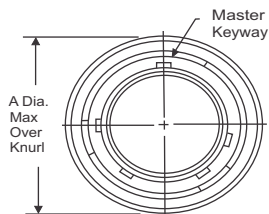
| Shell Size | A Max. | B ±.005 | C Dia. ±.003 | D Dia. Max. | E         | F       | H Accessory Thread Class 2A | J Mounting Thread Class 2A | K Max. |
|------------|--------|---------|--------------|-------------|-----------|---------|-----------------------------|----------------------------|--------|
| 8          | 24.2   | 13.3    | 12.0         | 7.7         | 17.9/17.7 | 2.8/2.1 | .5000-20 UNF                | .5625-24 UNEF              | 19.5   |
| 10         | 27.4   | 16.5    | 15.0         | 10.3        | 17.9/17.7 | 2.8/2.1 | .6250-24 UNEF               | .6875-24 UNEF              | 22.6   |
| 12         | 32.1   | 20.6    | 19.0         | 13.4        | 17.9/17.7 | 2.8/2.1 | .7500-20 UNEF               | .8750-20 UNEF              | 27.4   |
| 14         | 35.3   | 23.8    | 22.2         | 16.9        | 17.9/17.7 | 2.8/2.1 | .8750-20 UNEF               | 1.0000-20 UNEF             | 30.6   |
| 16         | 38.5   | 27.0    | 25.3         | 20.0        | 17.9/17.7 | 2.8/2.1 | 1.0000-20 UNEF              | 1.1250-18 UNEF             | 33.7   |
| 18         | 41.7   | 30.1    | 28.5         | 22.1        | 17.9/17.7 | 2.8/2.1 | 1.0625-18 UNEF              | 1.2500-18 UNEF             | 37.0   |
| 20         | 46.4   | 33.3    | 31.7         | 25.2        | 19.6/18.3 | 3.7/2.4 | 1.1875-18 UNEF              | 1.3750-18 UNEF             | 40.1   |
| 22         | 49.6   | 36.5    | 34.9         | 28.4        | 19.6/18.3 | 3.7/2.4 | 1.3125-18 UNEF              | 1.5000-18 UNEF             | 43.3   |
| 24         | 52.7   | 39.6    | 38.0         | 31.6        | 19.6/18.3 | 3.7/2.4 | 1.4375-18 UNEF              | 1.6250-18 UNEF             | 46.4   |

# Straight Plug, Straight Plug With RFI Grounding Fingers

## Miniature Cylindrical MIL-DTL-26482, Series 2

### IMB1-6 straight plug

### IMB1-5 straight plug with RFI grounding fingers



Plug Shell,  
Bayonet Coupling

**Military No. MS3476**

Plug Shell, RFI Grounding,  
Bayonet Coupling

**Military No. MS3475**

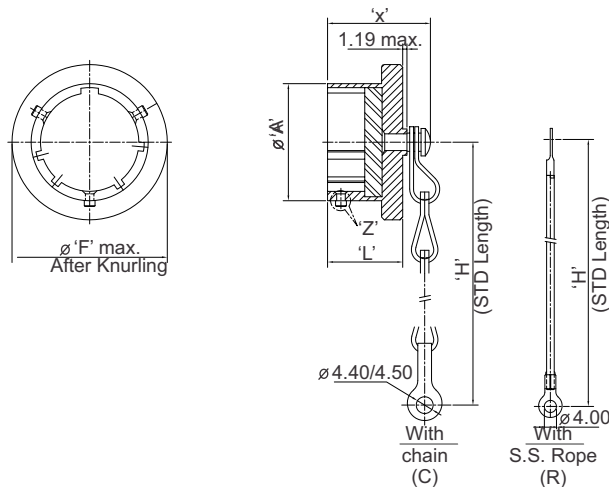
To complete order number see ordering information , page 14.

| Shell Size | A Dia. Max. | B Dia. Max. | H Accessory Thread Class 2A |
|------------|-------------|-------------|-----------------------------|
| 8          | .782        | .305        | .5000-20 UNF                |
| 10         | .926        | .405        | .6250-24 UNEF               |
| 12         | 1.043       | .531        | .7500-20 UNEF               |
| 14         | 1.183       | .665        | .8750-20 UNEF               |
| 16         | 1.305       | .790        | 1.0000-20 UNEF              |
| 18         | 1.391       | .869        | 1.0625-18 UNEF              |
| 20         | 1.531       | .994        | 1.1875-18 UNEF              |
| 22         | 1.656       | 1.119       | 1.3125-18 UNEF              |
| 24         | 1.777       | 1.244       | 1.4375-18 UNEF              |

Millimeters

| Shell Size | A Dia. Max. | B Dia. Max. | H Accessory Thread Class 2A |
|------------|-------------|-------------|-----------------------------|
| 8          | 19.8        | 3.1         | .5000-20 UNF                |
| 10         | 23.5        | 10.2        | .6250-24 UNEF               |
| 12         | 26.5        | 13.5        | .7500-20 UNEF               |
| 14         | 30.0        | 16.9        | .8750-20 UNEF               |
| 16         | 33.1        | 20.0        | 1.0000-20 UNEF              |
| 18         | 35.3        | 22.0        | 1.0625-18 UNEF              |
| 20         | 38.9        | 25.2        | 1.1875-18 UNEF              |
| 22         | 42.0        | 28.4        | 1.3125-18 UNEF              |
| 24         | 45.1        | 31.6        | 1.4375-18 UNEF              |

# MIL 26482 Protective Caps MS3180 & Ms3181



## Ordering Information (MIL Part Number)

JANMS3180 10 C W L

Designates Plug Dust Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Style:

C - With Chain

R - With SS Rope

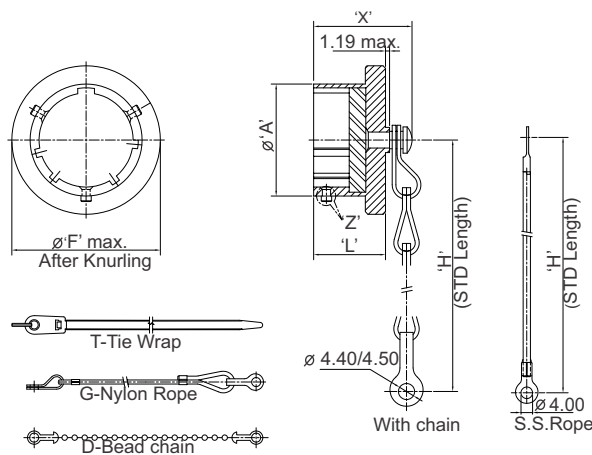
Class:

A - Hard Anodize black finish

W - Cadmium plate finish

Length:

L - 127.0 + 12.7/-6.35 chain/rope in lieu of std. length



## Ordering Information (Proprietary Part Number)

IMB3180 08 A F N H

Designates Plug Dust Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Class: Aluminium

A - Hard anodic

B - Zinc nickel finish

F - 48 hrs. electroless nickel

W - 500 hrs. cadmium olive drab

EB - Cad. free zinc cobalt -olive drab finish

FB - Cad. free zinc cobalt - black finish

T- PT FE nickel finish

SD- Zinc Ni Black finish

Type of attachment

D - bead chain passivated

F - Wire rope with teflon jacket

G - Nylon cord

S - Sash chain passivated

X - None

Type of end link:

N - Solid ring

T -Tie wrap

X - None

Length of attachment:

H - Standard length

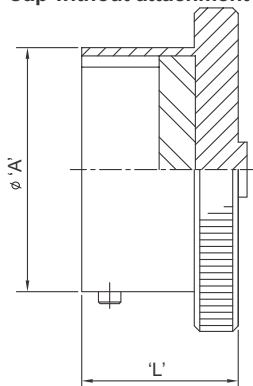
For non- standard 'H', length has to be specified in mm.

All Dimensions are in mm

| Shell Size | $\phi A$ Ref. | $\phi F$ Max. Overall. | $H$ +12.70/-6.35 | L Max. Length | X Max. Overall | $\phi F$ +0.00/-0.08 For Heavy Duty |
|------------|---------------|------------------------|------------------|---------------|----------------|-------------------------------------|
| 08         | 12.01         | 18.26                  | 76.20            |               |                | 22.10                               |
| 10         | 14.99         | 21.44                  |                  |               |                | 24.86                               |
| 12         | 19.05         | 25.40                  | 88.90            | 14.27         | 19.84          | 29.24                               |
| 14         | 22.22         | 28.58                  |                  |               |                | 32.41                               |
| 16         | 25.40         | 31.75                  |                  |               |                | 35.58                               |
| 18         | 28.58         | 34.92                  |                  |               |                | 38.22                               |
| 20         | 31.75         | 38.10                  | 101.60           | 15.88         | 21.44          | 41.94                               |
| 22         | 34.92         | 41.28                  |                  |               |                | 45.11                               |
| 24         | 38.10         | 44.45                  |                  | 16.71         | 22.22          | 48.18                               |

All Dimensions for reference only

### Cap without attachment



## Ordering information IMB3180 -08 - A - V1

Plug Dust Cover

Shell Size : 08,10,12,14,16,18,20,22 & 24

Class:

A - Hard Anodic

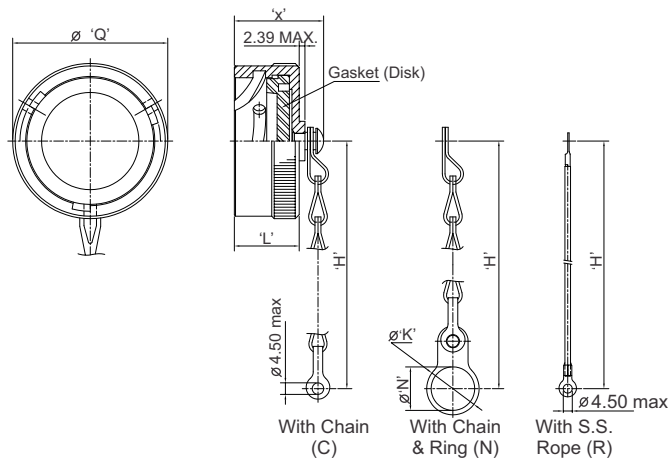
W - Aluminium, 500 hrs. Cadmium Olive Drab

F - Aluminium, 48 hrs. electroless nickel

T- Nickel PTFE finish

Variant

# MIL 26482 Protective Caps MS3180 & Ms3181



## Ordering Information (MIL Part Number)

JANMS3181 10 C W L

Designates Receptacle Dust Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Style:

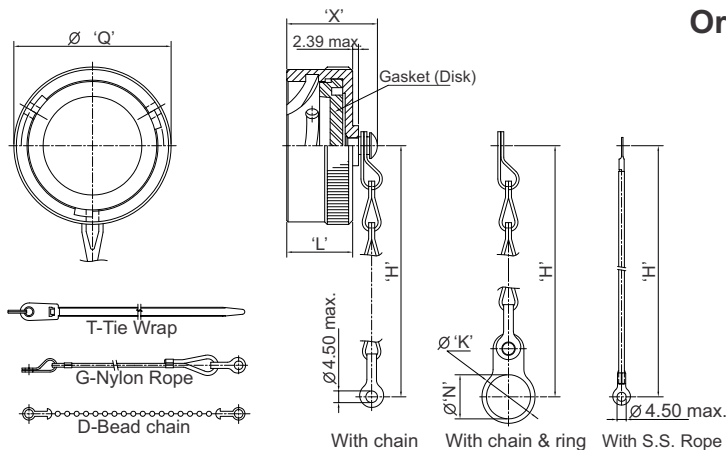
C - With Chain  
N - With Chain & Ring.  
R - With SS Rope

Class:

A - Hard Anodize black finish  
W - Cadmium plate finish

Length:

L -  $127.0 + 12.7/-6.35$  chain/rope in lieu of std. length  
Leave blank for std.length



## Ordering Information (Proprietary Part Number)

IMB3181 08 A F N H

Designates Receptacle Duct Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Class: Aluminium

A - Hard anodic  
B - Zinc nickel finish  
F - 48 hrs. electroless nickel  
W - 500 hrs. cadmium olive drab  
EB - Cad. free zinc cobalt -olive drab finish  
FB - Cad. free zinc cobalt - black finish  
T - PT FE nickel finish  
SD- Zinc Ni Black finish

Type of attachment

D -Bead chain passivated  
F - Wire rope with teflon jacket  
G - Nylon cord  
S - Sash chain passivated  
X - None

Type of end link:

N - Solid ring  
T -Tie wrap  
X - None

Length of attachment:

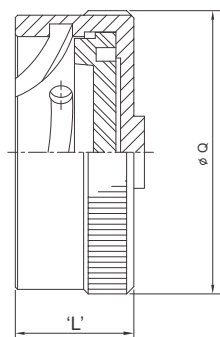
H - Standard length  
For non- standard 'H', length has to be specified in mm.

All Dimensions are in mm

| Shell Size | H<br>+12.70/<br>-6.35 | $\phi K$<br>MAX. | L<br>Max. | $\phi N$<br>MIN | $\phi Q$<br>MIN | X<br>Max. |
|------------|-----------------------|------------------|-----------|-----------------|-----------------|-----------|
| 08         |                       | 20.62            |           | 14.68           | 18.64           |           |
| 10         | 76.20                 | 25.40            |           | 17.86           | 21.82           |           |
| 12         |                       | 30.18            | 14.27     | 22.63           | 25.40           | 21.44     |
| 14         | 88.90                 | 36.67            |           | 25.81           | 28.58           |           |
| 16         |                       | 39.67            |           | 28.98           | 31.75           |           |
| 18         |                       | 42.88            |           | 32.16           | 34.92           |           |
| 20         |                       | 46.02            |           | 35.33           | 38.10           |           |
| 22         | 101.60                | 49.23            |           | 38.51           | 41.28           |           |
| 24         |                       | 52.37            | 15.29     | 41.68           | 44.45           | 22.22     |

All Dimensions for reference only

## Cap without attachment



## Ordering information IMB3181 -08 - A - V1

Designates: Receptacle Dust Cover

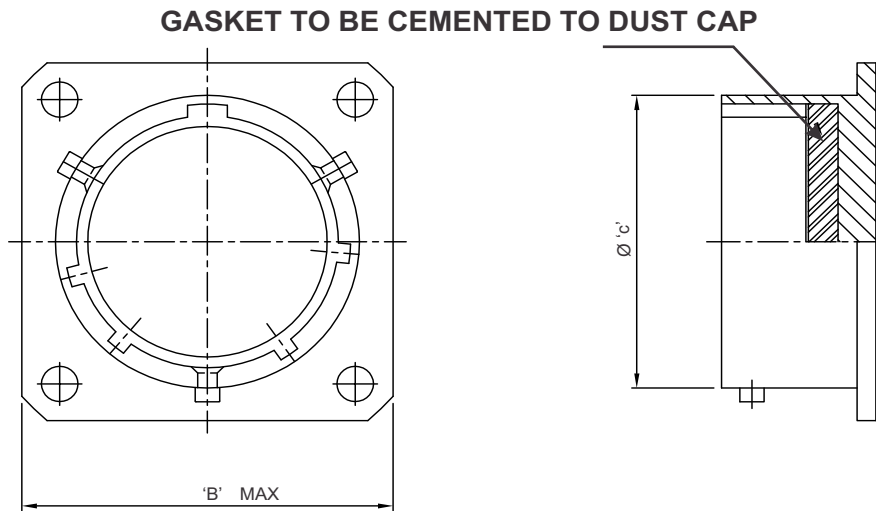
Shell Size : 08,10,12,14,16,18,20,22 & 24

Class:

A - Hard Anodic  
W - Aluminium, 500 hrs. Cadmium Olive Drab  
F - Aluminium, 48 hrs. electroless nickel  
T- Nickel PTFE finish

Variant

# Dummy Storage Receptacle



| SIZE | 'B'<br>SQ | 'C'<br>±0.08 |
|------|-----------|--------------|
| 08   | 20.62     | 11.96        |
| 10   | 23.80     | 14.94        |
| 12   | 26.39     | 18.97        |
| 14   | 28.58     | 22.17        |
| 16   | 31.34     | 25.32        |
| 18   | 33.32     | 28.52        |
| 20   | 36.50     | 31.70        |
| 22   | 39.67     | 34.87        |
| 24   | 42.85     | 38.05        |

**IMB3115-10-W**

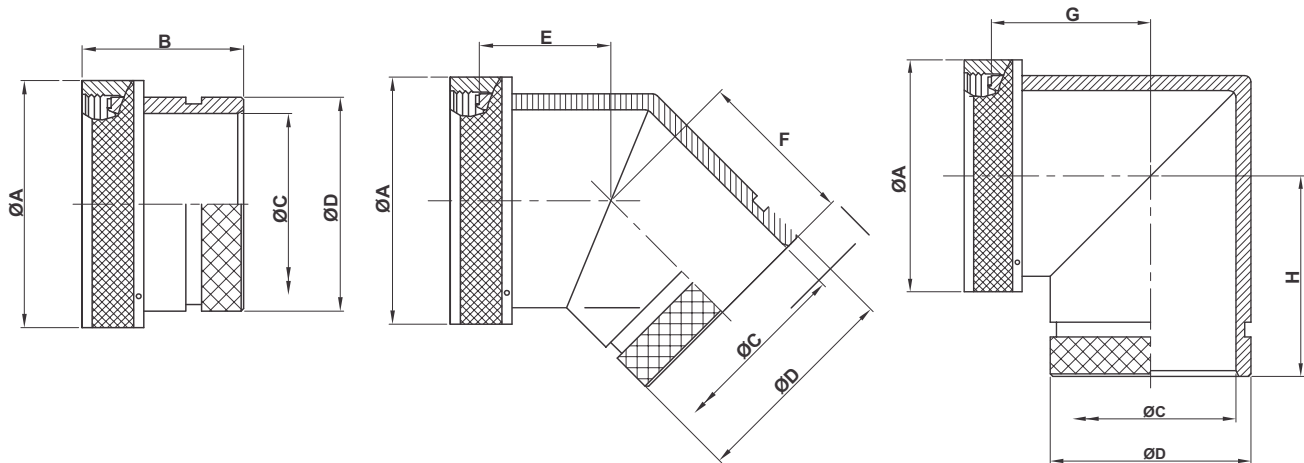
Product Designation →

Shell Size →

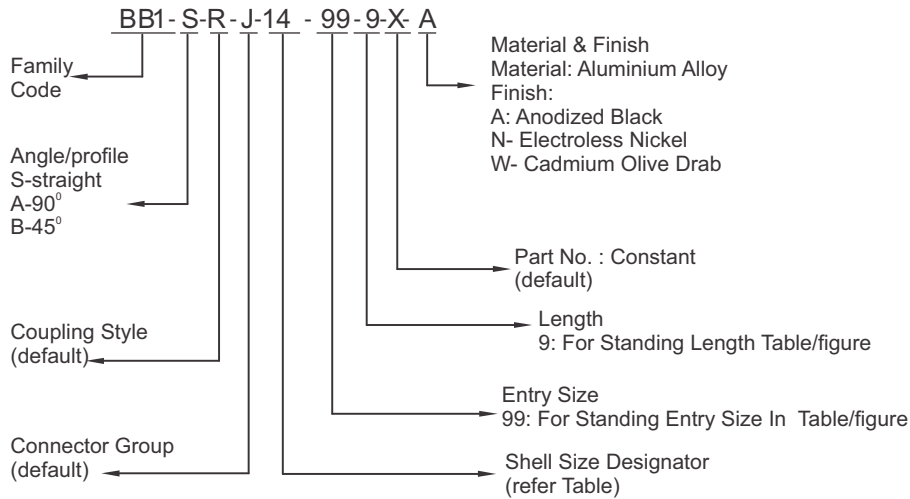
**FINISH:**  
 A: Hard Anodized  
 N- Electroless Nickel  
 W- Cadmium Olive Drab  
 SD- Zinc Nickel Black Finish  
 \* For other finish contact factory



# Shrink Boot Adaptor



## Part Numbering System

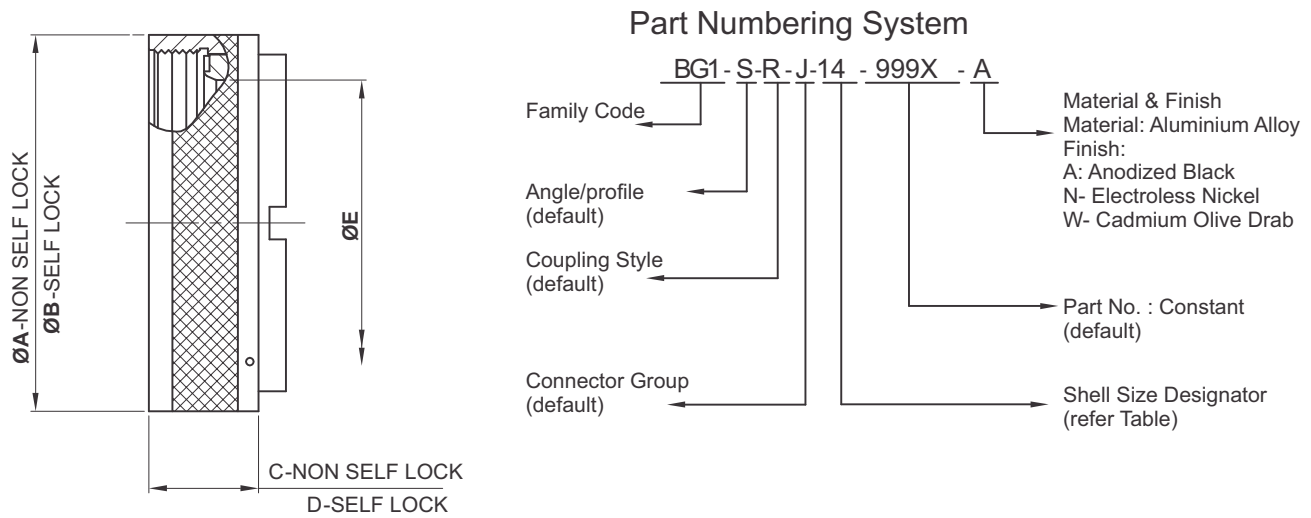


## Dimensions

| SHELL SIZE DESIGNATOR | ØA MAX. |       | B MAX. |       | ØC MIN. |       | ØD MIN. |       | E MAX. |       | F MAX. |       | G MAX. |       | H MAX. |       |
|-----------------------|---------|-------|--------|-------|---------|-------|---------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
|                       | INCH    | MM    | INCH   | MM    | INCH    | MM    | INCH    | MM    | INCH   | MM    | INCH   | MM    | INCH   | MM    | INCH   | MM    |
| 08                    | 0.62    | 15.67 | 1.19   | 30.15 | 0.25    | 6.35  | 0.53    | 13.54 | 0.64   | 16.23 | 0.81   | 20.57 | 0.75   | 19.05 | 0.92   | 23.37 |
| 10                    | 0.73    | 18.64 | 1.19   | 30.15 | 0.36    | 9.02  | 0.61    | 15.37 | 0.66   | 16.87 | 0.84   | 21.34 | 0.81   | 20.57 | 0.98   | 24.89 |
| 12                    | 0.86    | 21.79 | 1.19   | 30.15 | 0.49    | 12.47 | 0.77    | 19.66 | 0.69   | 17.48 | 0.86   | 21.84 | 0.87   | 22.10 | 1.04   | 26.42 |
| 14                    | 0.98    | 24.99 | 1.19   | 30.15 | 0.57    | 14.35 | 0.84    | 21.29 | 0.71   | 17.91 | 0.89   | 22.61 | 0.92   | 23.37 | 1.11   | 28.19 |
| 16                    | 1.11    | 28.24 | 1.19   | 30.15 | 0.69    | 17.53 | 0.96    | 24.46 | 0.73   | 18.59 | 0.91   | 23.11 | 0.98   | 24.89 | 1.17   | 29.72 |
| 18                    | 1.22    | 30.94 | 1.19   | 30.15 | 0.77    | 19.53 | 1.04    | 26.47 | 0.75   | 19.00 | 0.92   | 23.37 | 1.02   | 25.91 | 1.19   | 30.23 |
| 20                    | 1.35    | 34.16 | 1.19   | 30.15 | 0.89    | 22.71 | 1.22    | 30.91 | 0.77   | 19.63 | 0.94   | 23.88 | 1.08   | 27.43 | 1.25   | 31.75 |
| 22                    | 1.47    | 37.29 | 1.19   | 30.15 | 1.02    | 25.88 | 1.36    | 34.42 | 0.80   | 20.32 | 0.98   | 24.89 | 1.14   | 28.96 | 1.33   | 33.78 |
| 24                    | 1.59    | 40.46 | 1.19   | 30.15 | 1.13    | 28.80 | 1.44    | 36.65 | 0.82   | 20.90 | 1.01   | 25.65 | 1.20   | 30.48 | 1.40   | 35.56 |

Note: \* For ordering with Military part number contact factory.

# Back Nut Backshell

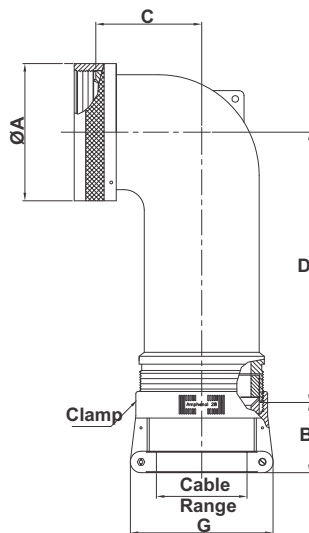


## Dimensions

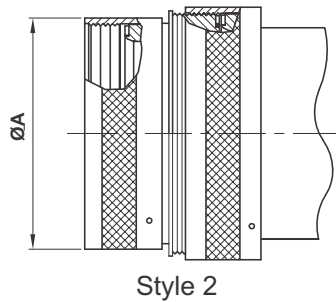
| SHELL SIZE DESIGNATOR | ØA MAX. |       | ØB MAX. |       | C MAX. |       | D MAX. |       | E MAX. |       |
|-----------------------|---------|-------|---------|-------|--------|-------|--------|-------|--------|-------|
|                       | INCH    | MM    | INCH    | MM    | INCH   | MM    | INCH   | MM    | INCH   | MM    |
| 08                    | 0.62    | 15.67 | 0.89    | 22.48 | 0.54   | 13.72 | 0.71   | 18.03 | 0.27   | 6.86  |
| 10                    | 0.73    | 18.64 | 1.01    | 25.65 | 0.54   | 13.72 | 0.71   | 18.03 | 0.38   | 9.53  |
| 12                    | 0.86    | 21.79 | 1.14    | 28.83 | 0.54   | 13.72 | 0.71   | 18.03 | 0.51   | 12.98 |
| 14                    | 0.98    | 24.99 | 1.26    | 32.00 | 0.54   | 13.72 | 0.71   | 18.03 | 0.59   | 14.86 |
| 16                    | 1.11    | 28.24 | 1.39    | 35.18 | 0.54   | 13.72 | 0.71   | 18.03 | 0.71   | 18.03 |
| 18                    | 1.22    | 30.94 | 1.51    | 38.35 | 0.54   | 13.72 | 0.71   | 18.03 | 0.79   | 20.04 |
| 20                    | 1.35    | 34.16 | 1.64    | 41.53 | 0.54   | 13.72 | 0.71   | 18.03 | 0.91   | 23.22 |
| 22                    | 1.47    | 37.29 | 1.76    | 44.70 | 0.54   | 13.72 | 0.71   | 18.03 | 1.04   | 26.39 |
| 24                    | 1.59    | 40.46 | 1.89    | 47.88 | 0.54   | 13.72 | 0.71   | 18.03 | 1.15   | 29.31 |

Note: \* For ordering with Military part number contact factory.

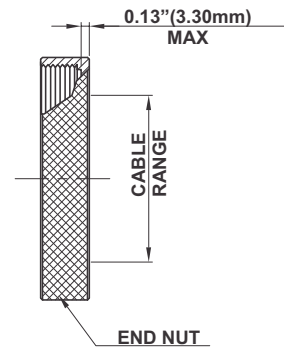
# Environmental Backshell



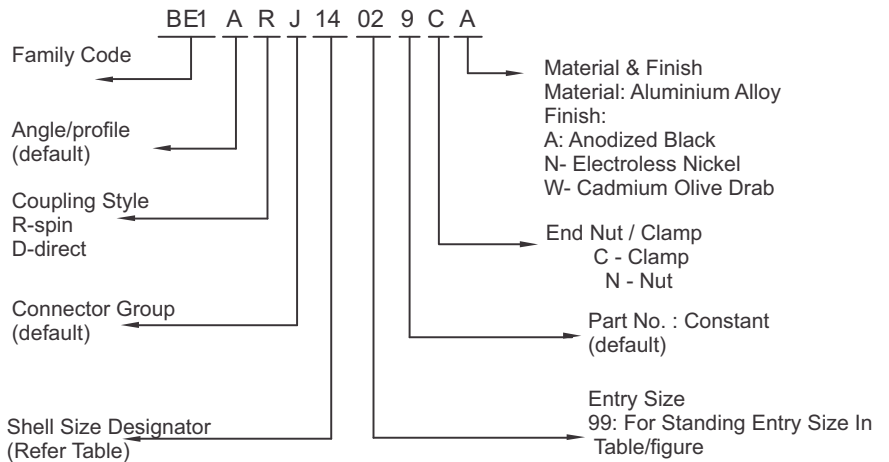
Note: When maximum cable entry is exceeded style 2 will be supplied



Style 2



## Part Numbering System

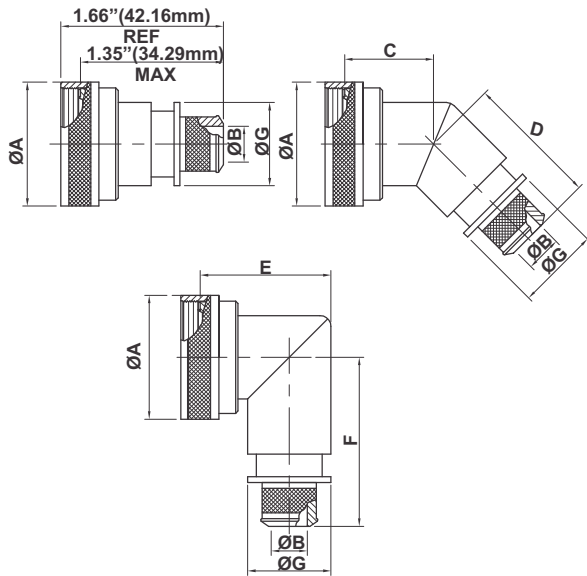


Dimensions (\*) - Denotes Style 2

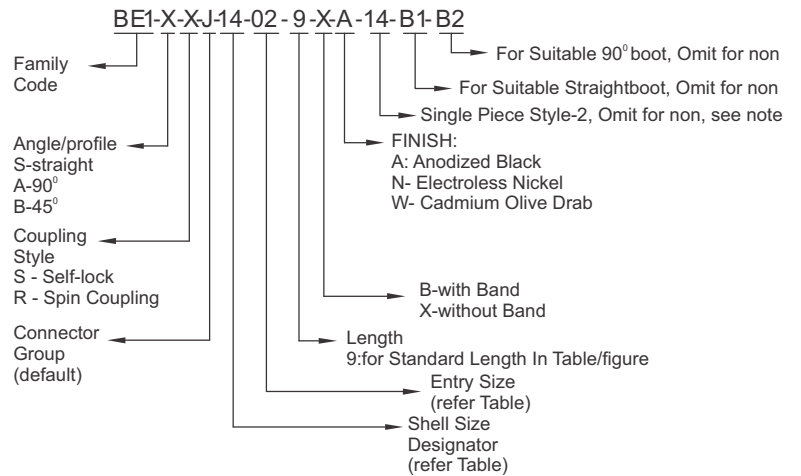
| SHELL SIZE DESIGNATOR | ENTRY SIZE | ØA MAX. |       | B REF. |       | C MAX. |       | D MAX. |       | G MAX. |       | CABLE RANGE |       |      |       |
|-----------------------|------------|---------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------------|-------|------|-------|
|                       |            | INCH    | MM    | INCH   | MM    | INCH   | MM    | INCH   | MM    | INCH   | MM    | MIN.        |       | MAX. |       |
|                       |            |         |       |        |       |        |       |        |       |        |       | INCH        | MM    | INCH | MM    |
| 08                    | 01         | 0.62    | 15.67 | 1.03   | 26.09 | 0.67   | 17.02 | 1.26   | 32.00 | 0.96   | 24.31 | 0.13        | 3.18  | 0.25 | 6.35  |
|                       | 01         | 0.73    | 18.64 | 1.03   | 26.09 | 0.76   | 19.30 | 1.98   | 50.29 | 0.96   | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                       | 02*        | 0.73    | 18.64 | 1.03   | 26.09 | 1.52   | 38.61 | 2.00   | 50.80 | 1.15   | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 10                    | 03         | 0.73    | 18.64 | 1.03   | 26.09 | 0.76   | 19.30 | 1.38   | 35.05 | 1.15   | 29.08 | 0.25        | 6.35  | 0.38 | 9.53  |
|                       | 01         | 0.86    | 21.79 | 1.03   | 26.09 | 0.77   | 19.56 | 2.00   | 50.80 | 0.96   | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                       | 02*        | 0.86    | 21.79 | 1.03   | 26.09 | 1.81   | 45.97 | 2.16   | 54.86 | 1.33   | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 12                    | 03         | 0.86    | 21.79 | 1.03   | 26.09 | 0.77   | 19.56 | 2.00   | 50.80 | 1.15   | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                       | 04         | 0.86    | 21.79 | 1.03   | 26.09 | 0.77   | 19.56 | 1.40   | 35.56 | 1.33   | 33.83 | 0.35        | 8.89  | 0.50 | 12.70 |
|                       | 01         | 0.98    | 24.99 | 1.03   | 26.09 | 0.87   | 22.10 | 2.07   | 52.58 | 1.15   | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 14                    | 02         | 0.98    | 24.99 | 1.03   | 26.09 | 0.87   | 22.10 | 1.72   | 43.69 | 1.33   | 33.83 | 0.35        | 8.89  | 0.58 | 14.61 |
|                       | 03*        | 0.98    | 24.99 | 1.06   | 26.90 | 1.89   | 48.01 | 2.33   | 59.18 | 1.55   | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                       | 04         | 0.98    | 24.99 | 1.03   | 26.09 | 0.87   | 22.10 | 2.07   | 52.58 | 0.96   | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
| 16                    | 01         | 1.11    | 28.24 | 1.03   | 26.09 | 1.05   | 26.67 | 2.16   | 54.86 | 1.15   | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                       | 02         | 1.11    | 28.24 | 1.06   | 26.90 | 1.05   | 26.67 | 1.81   | 45.97 | 1.55   | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                       | 03         | 1.11    | 28.24 | 1.03   | 26.09 | 1.05   | 26.67 | 2.16   | 54.86 | 1.33   | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 18                    | 04*        | 1.11    | 28.24 | 1.16   | 29.36 | 2.04   | 51.82 | 2.44   | 61.98 | 1.77   | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                       | 05         | 1.11    | 28.24 | 1.03   | 26.09 | 1.05   | 26.67 | 2.16   | 54.86 | 0.96   | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                       | 01         | 1.22    | 30.94 | 1.03   | 26.09 | 1.14   | 28.96 | 2.33   | 59.18 | 1.33   | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 20                    | 02         | 1.22    | 30.94 | 1.16   | 29.36 | 1.14   | 28.96 | 1.98   | 50.29 | 1.77   | 44.96 | 0.63        | 15.88 | 0.78 | 19.79 |
|                       | 03         | 1.22    | 30.94 | 1.03   | 26.09 | 1.14   | 28.96 | 2.33   | 59.18 | 0.96   | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                       | 04         | 1.22    | 30.94 | 1.03   | 26.09 | 1.14   | 28.96 | 2.33   | 59.18 | 1.15   | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 22                    | 05         | 1.22    | 30.94 | 1.06   | 26.90 | 1.14   | 28.96 | 2.33   | 59.18 | 1.55   | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                       | 06*        | 1.22    | 30.94 | 1.16   | 29.36 | 2.05   | 52.07 | 2.44   | 61.98 | 1.77   | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                       | 01         | 1.35    | 34.16 | 1.03   | 26.09 | 1.14   | 28.96 | 2.33   | 59.18 | 1.33   | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 24                    | 02         | 1.35    | 34.16 | 1.16   | 29.36 | 1.14   | 28.96 | 1.98   | 50.29 | 1.77   | 44.96 | 0.63        | 15.88 | 0.90 | 22.96 |
|                       | 03         | 1.35    | 34.16 | 1.03   | 26.09 | 1.14   | 28.96 | 2.33   | 59.18 | 1.15   | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                       | 04         | 1.35    | 34.16 | 1.06   | 26.90 | 1.14   | 28.96 | 2.33   | 59.18 | 1.55   | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
| 26                    | 05         | 1.35    | 34.16 | 1.38   | 34.93 | 2.14   | 54.36 | 2.61   | 66.29 | 2.11   | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                       | 01         | 1.47    | 37.29 | 1.06   | 26.90 | 1.29   | 32.77 | 2.44   | 61.98 | 1.55   | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                       | 02         | 1.47    | 37.29 | 1.38   | 34.93 | 1.29   | 32.77 | 2.09   | 53.09 | 2.11   | 53.67 | 0.88        | 22.23 | 1.03 | 26.14 |
| 28                    | 03         | 1.47    | 37.29 | 1.03   | 26.09 | 1.29   | 32.77 | 2.44   | 61.98 | 0.96   | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                       | 04         | 1.47    | 37.29 | 1.03   | 26.09 | 1.29   | 32.77 | 2.44   | 61.98 | 1.15   | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                       | 05         | 1.47    | 37.29 | 1.03   | 26.09 | 1.29   | 32.77 | 2.44   | 61.98 | 1.33   | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 30                    | 06         | 1.47    | 37.29 | 1.16   | 29.36 | 1.29   | 32.77 | 2.44   | 61.98 | 1.77   | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                       | 07*        | 1.47    | 37.29 | 1.38   | 34.93 | 2.14   | 54.36 | 2.61   | 66.29 | 2.11   | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                       | 01         | 1.59    | 40.46 | 1.06   | 26.90 | 1.29   | 32.77 | 2.44   | 61.98 | 1.55   | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
| 32                    | 02         | 1.59    | 40.46 | 1.38   | 34.93 | 1.29   | 32.77 | 2.09   | 53.09 | 2.11   | 53.67 | 0.88        | 22.23 | 1.14 | 29.06 |
|                       | 03         | 1.59    | 40.46 | 1.03   | 26.09 | 1.29   | 32.77 | 2.44   | 61.98 | 1.33   | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                       | 04         | 1.59    | 40.46 | 1.16   | 29.36 | 1.29   | 32.77 | 2.44   | 61.98 | 1.77   | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 34                    | 05*        | 1.59    | 40.46 | 1.38   | 34.93 | 2.15   | 54.61 | 2.61   | 66.29 | 2.12   | 53.75 | 0.88        | 22.23 | 1.25 | 31.75 |

Note: \* For ordering with Military part number contact factory.

# B and Lock Backshell



## Part Numbering System

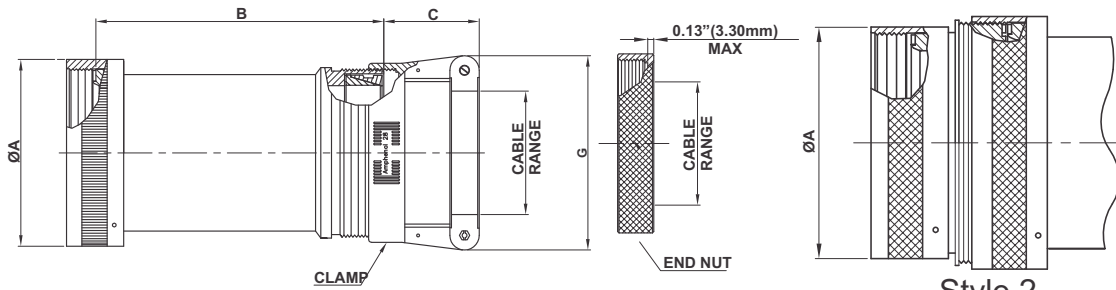


## Dimensions

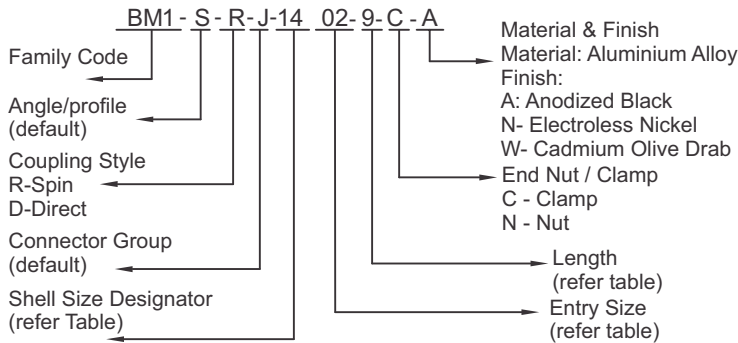
| SHELL SIZE DESIGNATOR | ENTRY SIZE | ØA MAX. |       | ØB             |                | C MAX. |       | D MAX. |       | E MAX. |       | F MAX. |       | G MAX. |       |
|-----------------------|------------|---------|-------|----------------|----------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
|                       |            |         |       | +0.00<br>-0.02 | +0.00<br>-0.50 |        |       |        |       |        |       |        |       |        |       |
| INCH                  | MM         | INCH    | MM    | INCH           | MM             | INCH   | MM    | INCH   | MM    | INCH   | MM    | INCH   | MM    | INCH   | MM    |
| 08                    | 01         | 0.89    | 22.48 | N/A            | N/A            | 0.87   | 22.10 | 1.16   | 29.46 | 1.19   | 30.18 | 1.42   | 35.99 | N/A    | N/A   |
|                       | 02         |         |       | 0.26           | 6.60           |        |       |        |       |        |       |        |       | 0.56   | 14.22 |
| 10                    | 01         | 1.01    | 25.65 | N/A            | N/A            | 0.89   | 22.61 | 1.18   | 29.97 | 1.28   | 32.54 | 1.48   | 37.59 | N/A    | N/A   |
|                       | 02         |         |       | 0.32           | 8.13           |        |       |        |       |        |       |        |       | 0.63   | 16.00 |
| 12                    | 01         | 1.14    | 28.83 | 0.32           | 8.13           | 0.92   | 23.37 | 1.20   | 30.48 | 1.41   | 35.71 | 1.54   | 39.17 | 0.63   | 16.00 |
|                       | 02         |         |       | 0.45           | 11.43          |        |       |        |       |        |       |        |       | 0.75   | 19.05 |
| 14                    | 01         | 1.26    | 32.00 | 0.45           | 11.43          | 0.94   | 23.88 | 1.22   | 30.99 | 1.53   | 38.89 | 1.61   | 40.77 | 0.63   | 19.05 |
|                       | 02         |         |       | 0.57           | 14.48          |        |       |        |       |        |       |        |       | 0.89   | 22.61 |
| 16                    | 01         | 1.39    | 35.18 | 0.51           | 12.95          | 0.96   | 24.38 | 1.25   | 31.75 | 1.66   | 42.06 | 1.67   | 42.34 | 0.82   | 20.83 |
|                       | 02         |         |       | 0.64           | 16.26          |        |       |        |       |        |       |        |       | 0.95   | 24.13 |
| 18                    | 01         | 1.51    | 38.35 | 0.64           | 16.26          | 0.98   | 24.89 | 1.26   | 32.00 | 1.72   | 43.64 | 1.73   | 43.94 | 0.95   | 24.13 |
|                       | 02         |         |       | 0.76           | 19.30          |        |       |        |       |        |       |        |       | 1.07   | 27.18 |
| 20                    | 01         | 1.64    | 41.53 | 0.64           | 16.26          | 1.00   | 25.40 | 1.29   | 32.77 | 1.84   | 46.84 | 1.79   | 45.52 | 0.95   | 24.13 |
|                       | 02         |         |       | 0.82           | 20.83          |        |       |        |       |        |       |        |       | 1.13   | 28.07 |
| 22                    | 01         | 1.76    | 44.70 | 0.70           | 17.78          | 1.03   | 26.16 | 1.31   | 33.27 | 1.94   | 49.23 | 1.85   | 46.99 | 1.02   | 25.99 |
|                       | 02         |         |       | 0.95           | 24.13          |        |       |        |       |        |       |        |       | 1.26   | 32.00 |
| 24                    | 01         | 1.89    | 47.88 | 0.76           | 19.30          | 1.05   | 26.67 | 1.34   | 34.04 | 2.09   | 53.16 | 1.92   | 48.69 | 1.07   | 27.18 |
|                       | 02         |         |       | 1.01           | 25.65          |        |       |        |       |        |       |        |       | 1.32   | 33.53 |

Note: \* For ordering with Military part number contact factory.

# EMI/RFI Non-Environment Backshell



## Part Numbering System



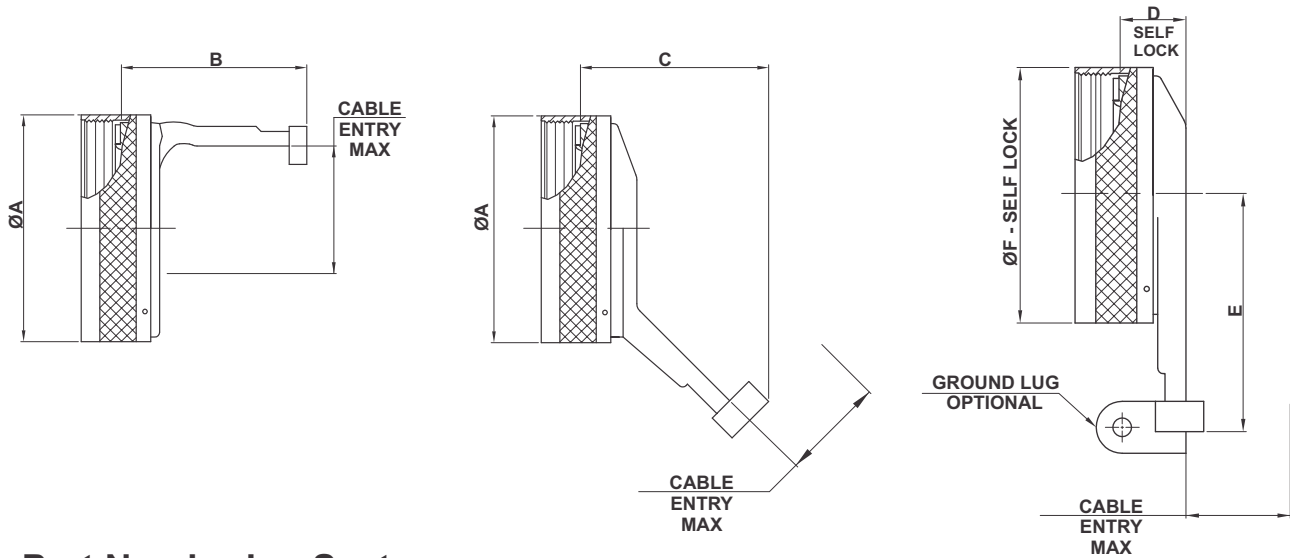
## Style 2

Note: When maximum cable entry is exceeded Style 2 will be supplied

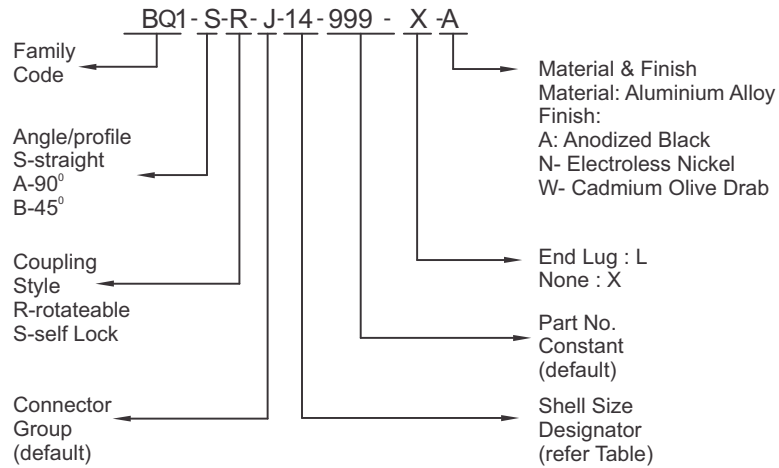
Dimensions \*- Indicates Style 2 in table

| SHELL<br>SIZE<br>DESIGNATOR | ENTRY<br>SIZE | LENGTH | ØA<br>MAX. |       | B<br>MAX. |       | C<br>REF. |       | G<br>MAX. |       | CABLE RANGE |       |      |       |
|-----------------------------|---------------|--------|------------|-------|-----------|-------|-----------|-------|-----------|-------|-------------|-------|------|-------|
|                             |               |        | INCH       | MM    | INCH      | MM    | INCH      | MM    | INCH      | MM    | MIN.        |       | MAX. |       |
|                             |               |        |            |       |           |       |           |       |           |       | INCH        | MM    | INCH | MM    |
| 08                          | 01            | 1      | 0.62       | 15.67 | 2.13      | 54.10 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.25 | 6.35  |
|                             |               | 2      | 0.62       | 15.67 | 3.13      | 79.50 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.25 | 6.35  |
|                             | 02            | 1      | 0.62       | 15.67 | 2.88      | 73.15 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 0.62       | 15.67 | 3.88      | 98.55 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 10                          | 01            | 1      | 0.73       | 18.64 | 2.13      | 54.10 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                             |               | 2      | 0.73       | 18.64 | 3.13      | 79.50 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                             | 02            | 1      | 0.73       | 18.64 | 2.88      | 73.15 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 0.73       | 18.64 | 3.88      | 98.55 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 12                          | 03            | 1      | 0.73       | 18.64 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.38 | 9.53  |
|                             |               | 2      | 0.73       | 18.64 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.38 | 9.53  |
|                             | 01            | 1      | 0.86       | 21.79 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 0.86       | 21.79 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 14                          | 02            | 1      | 0.86       | 21.79 | 2.88      | 73.15 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             |               | 2      | 0.86       | 21.79 | 3.88      | 98.55 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             | 03            | 1      | 0.86       | 21.79 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.50 | 12.70 |
|                             |               | 2      | 0.86       | 21.79 | 3.13      | 79.50 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
| 16                          | 04            | 1      | 0.86       | 21.79 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.50 | 12.70 |
|                             |               | 2      | 0.86       | 21.79 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.50 | 12.70 |
|                             | 01            | 1      | 0.98       | 24.99 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.58 | 14.61 |
|                             |               | 2      | 0.98       | 24.99 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.58 | 14.61 |
| 18                          | 02            | 1      | 0.98       | 24.99 | 2.88      | 73.15 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                             |               | 2      | 0.98       | 24.99 | 3.88      | 98.55 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                             | 03            | 1      | 0.98       | 24.99 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 0.98       | 24.99 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 20                          | 04            | 1      | 0.98       | 24.99 | 2.13      | 54.10 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                             |               | 2      | 0.98       | 24.99 | 3.13      | 79.50 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                             | 01            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
| 22                          | 02            | 1      | 1.11       | 28.24 | 2.88      | 73.15 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                             |               | 2      | 1.11       | 28.24 | 3.88      | 98.55 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                             | 03            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 24                          | 04            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             | 01            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
| 26                          | 02            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                             | 03            | 1      | 1.11       | 28.24 | 2.88      | 73.15 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                             |               | 2      | 1.11       | 28.24 | 3.88      | 98.55 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 28                          | 04            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             | 01            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 30                          | 02            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 0.96      | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                             | 03            | 1      | 1.11       | 28.24 | 2.88      | 73.15 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                             |               | 2      | 1.11       | 28.24 | 3.88      | 98.55 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 32                          | 04            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             | 01            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 34                          | 02            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             | 03            | 1      | 1.11       | 28.24 | 2.88      | 73.15 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                             |               | 2      | 1.11       | 28.24 | 3.88      | 98.55 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 36                          | 04            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             | 01            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 38                          | 02            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             | 03            | 1      | 1.11       | 28.24 | 2.88      | 73.15 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                             |               | 2      | 1.11       | 28.24 | 3.88      | 98.55 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 40                          | 04            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             | 01            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 42                          | 02            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             | 03            | 1      | 1.11       | 28.24 | 2.88      | 73.15 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                             |               | 2      | 1.11       | 28.24 | 3.88      | 98.55 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 44                          | 04            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             | 01            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 46                          | 02            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             | 03            | 1      | 1.11       | 28.24 | 2.88      | 73.15 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                             |               | 2      | 1.11       | 28.24 | 3.88      | 98.55 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 48                          | 04            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             | 01            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 50                          | 02            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1.03 | 26.14 |
|                             | 03            | 1      | 1.11       | 28.24 | 2.88      | 73.15 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                             |               | 2      | 1.11       | 28.24 | 3.88      | 98.55 | 1.16      | 29.36 | 1.77      | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 52                          | 04            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.15      | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                             | 01            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                             |               | 2      | 1.11       | 28.24 | 3.13      | 79.50 | 1.03      | 26.09 | 1.33      | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
| 54                          | 02            | 1      | 1.11       | 28.24 | 2.13      | 54.10 | 1.06      | 26.90 | 1.55      | 39.40 | 0.50        | 12.70 | 1    |       |

# Quick Clamp Backshell



## Part Numbering System

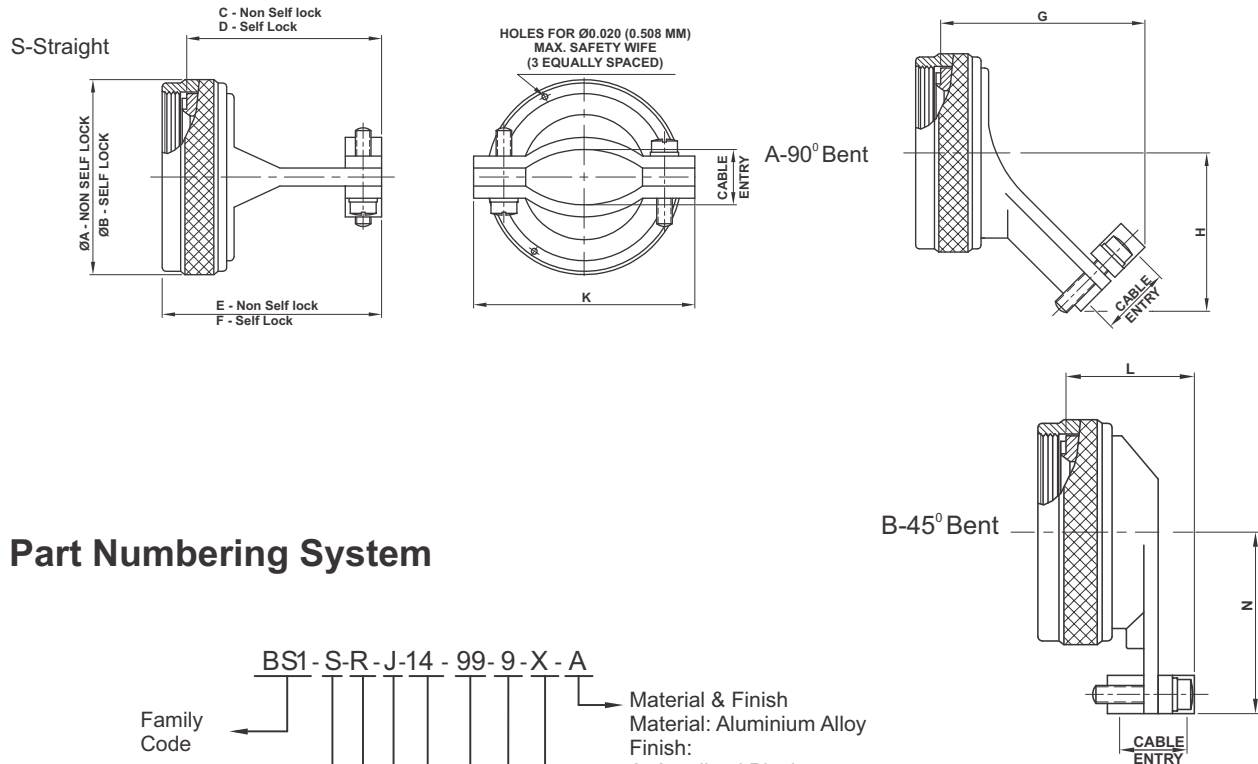


## Dimensions

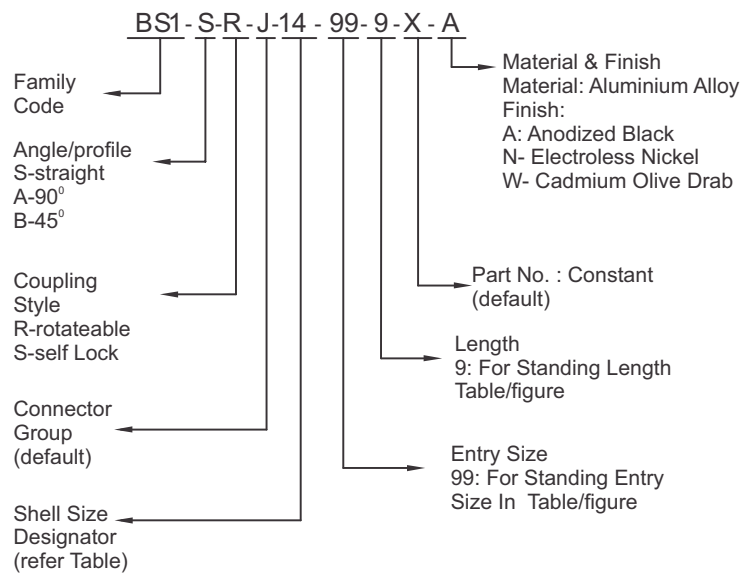
| SHELL SIZE DESIGNATOR | ØA MAX. |       | B MAX. |       | C MAX. |       | D MAX. |       | E MAX. |       | ØF MAX. |       | WIRING ENTRY MAX. |       |
|-----------------------|---------|-------|--------|-------|--------|-------|--------|-------|--------|-------|---------|-------|-------------------|-------|
|                       | INCH    | MM    | INCH   | MM    | NCH    | MM    | INCH   | MM    | INCH   | MM    | INCH    | MM    | INCH              | MM    |
| 08                    | 0.66    | 16.69 | 0.95   | 24.23 | 1.23   | 31.29 | 0.73   | 18.54 | 1.22   | 30.99 | 0.89    | 22.48 | 0.26              | 6.60  |
| 10                    | 0.78    | 19.86 | 0.95   | 24.23 | 1.23   | 31.29 | 0.73   | 18.54 | 1.29   | 32.77 | 1.01    | 25.65 | 0.37              | 9.27  |
| 12                    | 0.94    | 23.80 | 0.95   | 24.23 | 1.23   | 31.29 | 0.73   | 18.54 | 1.62   | 41.15 | 1.14    | 28.83 | 0.50              | 12.73 |
| 14                    | 1.05    | 26.67 | 1.20   | 30.58 | 1.23   | 31.29 | 0.73   | 18.54 | 1.66   | 42.16 | 1.26    | 32.00 | 0.58              | 14.61 |
| 16                    | 1.24    | 31.47 | 1.20   | 30.58 | 1.23   | 31.29 | 0.73   | 18.54 | 1.72   | 43.69 | 1.39    | 35.18 | 0.70              | 17.78 |
| 18                    | 1.38    | 35.00 | 1.20   | 30.58 | 1.23   | 31.29 | 0.73   | 18.54 | 1.72   | 43.69 | 1.51    | 38.35 | 0.78              | 19.79 |
| 20                    | 1.50    | 38.10 | 1.31   | 33.27 | 1.48   | 37.64 | 0.75   | 19.05 | 1.79   | 45.47 | 1.64    | 41.53 | 0.90              | 22.96 |
| 22                    | 1.63    | 41.43 | 1.43   | 36.32 | 1.48   | 37.64 | 0.75   | 19.05 | 1.85   | 46.99 | 1.76    | 44.70 | 1.03              | 26.14 |
| 24                    | 1.75    | 44.45 | 1.56   | 39.62 | 1.48   | 37.64 | 0.75   | 19.05 | 1.91   | 48.51 | 1.89    | 47.88 | 1.14              | 29.06 |

Note: \* For ordering with Military part number contact factory.

# Strain Relief Backshell



## Part Numbering System

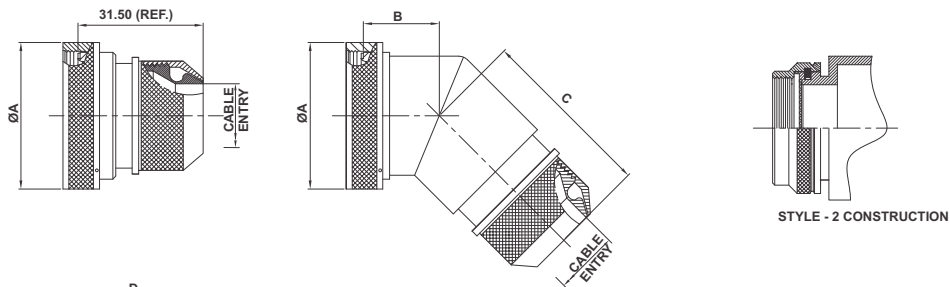


**Table**

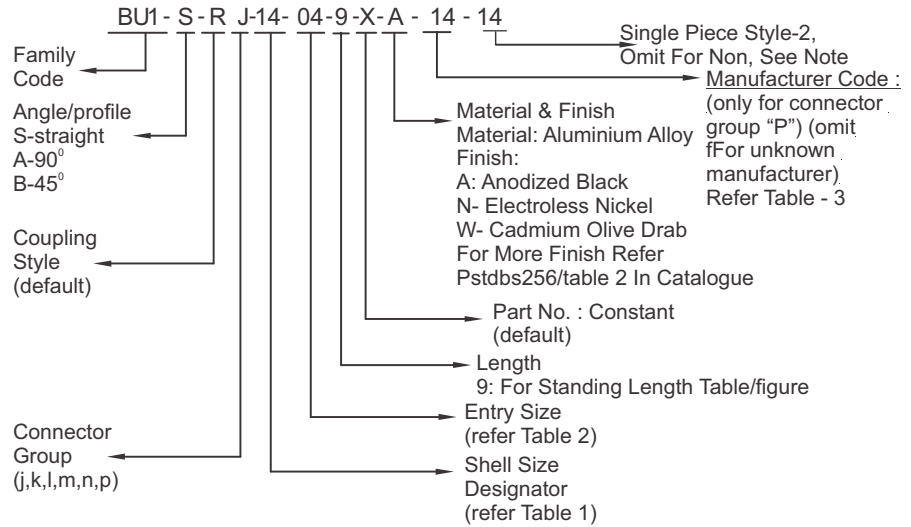
| SHELL<br>SIZE<br>DESIGNATOR | ØA<br>MAX. |       | ØB<br>MAX. |       | ØC<br>MAX. |       | D<br>MAX. |       | E<br>MAX. |       | F<br>MAX. |       | K<br>MAX. |       | G<br>MAX. |       | H<br>MAX. |       | L<br>MAX. |       | N<br>MAX. |       | CABLE ENTRY |       |       |       |    |
|-----------------------------|------------|-------|------------|-------|------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-------------|-------|-------|-------|----|
|                             |            |       |            |       |            |       |           |       |           |       |           |       |           |       |           |       |           |       |           |       |           |       | MAX.        |       | MIN.  |       |    |
|                             | INCH       | MM    | INCH       | MM    | INCH       | MM    | INCH      | MM    | INCH      | MM    | INCH      | MM    | INCH      | MM    | INCH      | MM    | INCH      | MM    | INCH      | MM    | INCH      | MM    | INCH        | MM    | NCH   | MM    | MM |
| 08                          | 0.617      | 15.67 | 0.885      | 22.48 | 0.63       | 16.00 | 0.73      | 18.54 | 0.890     | 22.61 | 1.04      | 26.42 | 0.782     | 19.86 | 1.320     | 33.53 | 0.772     | 19.61 | 0.93      | 23.62 | 0.808     | 20.52 | 0.204       | 5.18  | 0.125 | 3.18  |    |
| 10                          | 0.734      | 18.64 | 1.010      | 25.65 | 0.74       | 18.80 | 0.85      | 21.59 | 1.000     | 25.40 | 1.16      | 29.46 | 0.862     | 21.89 | 1.364     | 34.65 | 0.803     | 20.40 | 1.02      | 25.91 | 0.867     | 22.02 | 0.286       | 7.26  | 0.187 | 4.75  |    |
| 12                          | 0.858      | 21.79 | 1.135      | 28.83 | 0.86       | 21.84 | 0.98      | 24.89 | 1.125     | 28.58 | 1.29      | 32.77 | 1.003     | 25.48 | 1.438     | 36.53 | 0.866     | 22.00 | 1.21      | 30.73 | 0.929     | 23.60 | 0.416       | 10.57 | 0.291 | 7.39  |    |
| 14                          | 0.984      | 24.99 | 1.260      | 32.00 | 0.86       | 21.84 | 0.98      | 24.89 | 1.125     | 28.58 | 1.29      | 32.77 | 1.061     | 26.95 | 1.480     | 37.59 | 0.928     | 23.57 | 1.27      | 32.26 | 0.992     | 25.20 | 0.476       | 12.09 | 0.351 | 8.92  |    |
| 16                          | 1.112      | 28.24 | 1.385      | 35.18 | 0.99       | 25.15 | 1.10      | 27.94 | 1.250     | 31.75 | 1.41      | 35.81 | 1.334     | 33.88 | 1.586     | 40.28 | 0.991     | 25.17 | 1.42      | 36.07 | 1.056     | 26.82 | 0.626       | 15.90 | 0.501 | 12.73 |    |
| 18                          | 1.218      | 30.94 | 1.510      | 38.35 | 1.24       | 31.50 | 1.35      | 34.29 | 1.500     | 38.10 | 1.66      | 42.16 | 1.466     | 37.24 | 1.704     | 43.28 | 1.110     | 28.19 | 1.53      | 38.86 | 1.233     | 31.32 | 0.706       | 17.93 | 0.518 | 13.16 |    |
| 20                          | 1.345      | 34.16 | 1.635      | 41.53 | 1.36       | 34.54 | 1.48      | 37.59 | 1.625     | 41.28 | 1.79      | 45.47 | 1.572     | 39.93 | 1.748     | 44.40 | 1.172     | 29.77 | 1.65      | 41.91 | 1.296     | 32.92 | 0.831       | 21.11 | 0.581 | 14.76 |    |
| 22                          | 1.468      | 37.29 | 1.760      | 44.70 | 1.49       | 37.85 | 1.60      | 40.64 | 1.750     | 44.45 | 1.91      | 48.51 | 1.688     | 42.88 | 1.792     | 45.52 | 1.235     | 31.37 | 1.78      | 45.21 | 1.358     | 34.49 | 0.956       | 24.28 | 0.644 | 16.36 |    |
| 24                          | 1.593      | 40.46 | 1.885      | 47.88 | 1.61       | 40.89 | 1.73      | 43.94 | 1.875     | 47.63 | 2.04      | 51.82 | 1.790     | 45.47 | 1.836     | 46.63 | 1.297     | 32.94 | 1.90      | 48.26 | 1.420     | 36.07 | 1.081       | 27.46 | 0.706 | 17.93 |    |

Note: \* For ordering with Military part number contact factory.

# Sq Backshell



## Part Numbering System



## Dimensions

| TABLE 1               |         |       |        |       |        |       |        |       |        |       |
|-----------------------|---------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| SHELL SIZE DESIGNATOR | ØA MAX. |       | B MAX. |       | C MAX. |       | D MAX. |       | E MAX. |       |
|                       | INCH    | MM    | NCH    | MM    | INCH   | MM    | INCH   | MM    | INCH   | MM    |
| 08                    | 0.885   | 22.48 | 0.87   | 22.10 | 1.12   | 28.46 | 1.12   | 28.52 | 1.39   | 35.50 |
| 10                    | 1.01    | 25.65 | 0.90   | 22.90 | 1.15   | 29.22 | 1.11   | 28.40 | 1.46   | 37.09 |
| 12                    | 1.135   | 28.83 | 0.92   | 23.40 | 1.17   | 29.74 | 1.18   | 30.20 | 1.53   | 38.94 |
| 14                    | 1.28    | 32.51 | 0.94   | 24.10 | 1.20   | 30.50 | 1.24   | 31.70 | 1.59   | 40.50 |
| 16                    | 1.41    | 35.81 | 0.98   | 24.90 | 1.22   | 31.01 | 1.25   | 31.90 | 1.65   | 42.12 |
| 18                    | 1.52    | 38.61 | 1.00   | 25.50 | 1.23   | 31.26 | 1.32   | 33.78 | 1.75   | 44.53 |
| 20                    | 1.64    | 41.66 | 1.01   | 25.75 | 1.26   | 32.02 | 1.33   | 33.90 | 1.77   | 45.12 |
| 22                    | 1.77    | 44.96 | 1.03   | 26.40 | 1.29   | 32.79 | 1.31   | 35.37 | 1.83   | 46.72 |
| 24                    | 1.89    | 48.01 | 1.07   | 27.20 | 1.31   | 33.29 | 1.39   | 35.50 | 1.89   | 48.00 |

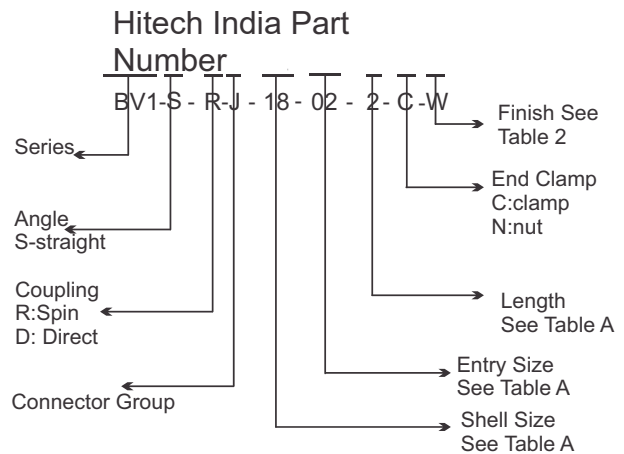
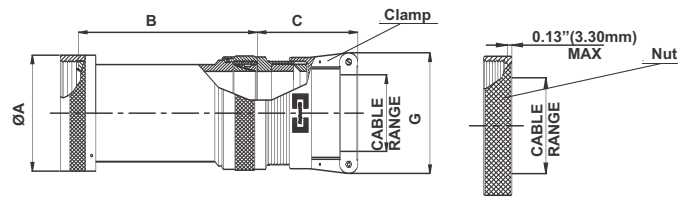
| TABLE 2    |                  |                |
|------------|------------------|----------------|
| ENTRY SIZE | Ø ENTRY (INCHES) | Ø ENTRY MM     |
|            | +0.009<br>-0.018 | +0.25<br>-0.50 |
| 01         | 0.256            | 6.50           |
| 02         | 0.315            | 8.00           |
| 03         | 0.375            | 9.50           |
| 04         | 0.437            | 11.10          |
| 05         | 0.500            | 12.70          |
| 06         | 0.626            | 15.90          |
| 07         | 0.748            | 19.00          |
| 08         | 0.876            | 22.25          |
| 09         | 1.000            | 25.40          |
| 10         | 1.126            | 28.60          |
| 11         | 1.250            | 31.75          |
| 12         | 1.378            | 35.00          |
| 13         | 1.500            | 38.10          |

Note: \* For ordering with Military part number contact factory.



# Environmental EMI/RFI Backshell

| Hitech India PART NUMBER DESIGNATOR |            |        | A DIA. (MAX.) |       | B (MAX) |       | C (REF) |       | G (MAX) |       | CABLE RANGE |       |      |       |
|-------------------------------------|------------|--------|---------------|-------|---------|-------|---------|-------|---------|-------|-------------|-------|------|-------|
| SHELL SIZE                          | ENTRY SIZE | LENGTH | INCH          | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | MIN         |       | MAX  |       |
|                                     |            |        |               |       |         |       |         |       |         |       | INCH        | MM    | INCH | MM    |
| 08                                  | 01         | 1      | 0.62          | 15.67 | 2.13    | 54.10 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.25 | 6.35  |
|                                     |            | 2      | 0.62          | 15.67 | 3.13    | 79.50 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.25 | 6.35  |
|                                     | 02         | 1      | 0.62          | 15.67 | 2.88    | 73.15 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 10                                  | 01         | 2      | 0.62          | 15.67 | 3.88    | 98.55 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                     |            | 1      | 0.73          | 18.64 | 2.13    | 54.10 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                     | 02         | 2      | 0.73          | 18.64 | 3.13    | 79.50 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                     |            | 1      | 0.73          | 18.64 | 2.88    | 73.15 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                     | 03         | 2      | 0.73          | 18.64 | 3.88    | 98.55 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                     |            | 1      | 0.73          | 18.64 | 2.13    | 54.10 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.38 | 9.53  |
| 12                                  | 01         | 2      | 0.73          | 18.64 | 3.13    | 79.50 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.38 | 9.53  |
|                                     |            | 1      | 0.86          | 21.79 | 2.13    | 54.10 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                     | 02         | 2      | 0.86          | 21.79 | 3.13    | 79.50 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                     |            | 1      | 0.86          | 21.79 | 2.88    | 73.15 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                     | 03         | 2      | 0.86          | 21.79 | 3.88    | 98.55 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                     |            | 1      | 0.86          | 21.79 | 2.13    | 54.10 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.50 | 12.70 |
| 14                                  | 01         | 2      | 0.86          | 21.79 | 3.13    | 79.50 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.50 | 12.70 |
|                                     |            | 1      | 0.86          | 21.79 | 2.13    | 54.10 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.58 | 14.61 |
|                                     | 02         | 2      | 0.98          | 24.99 | 3.13    | 79.50 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.58 | 14.61 |
|                                     |            | 1      | 0.98          | 24.99 | 2.88    | 73.15 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                     | 03         | 2      | 0.98          | 24.99 | 3.88    | 98.55 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                     |            | 1      | 0.98          | 24.99 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
| 16                                  | 01         | 2      | 0.98          | 24.99 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                     |            | 1      | 0.98          | 24.99 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                     | 02         | 2      | 0.98          | 24.99 | 3.88    | 98.55 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                     |            | 1      | 0.98          | 24.99 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                     | 03         | 2      | 0.98          | 24.99 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
| 18                                  | 01         | 2      | 1.11          | 28.24 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     |            | 1      | 1.11          | 28.24 | 2.88    | 73.15 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                     | 02         | 2      | 1.11          | 28.24 | 3.88    | 98.55 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     | 03         | 2      | 1.11          | 28.24 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
| 20                                  | 01         | 2      | 1.11          | 28.24 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     | 02         | 2      | 1.11          | 28.24 | 3.88    | 98.55 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     | 03         | 2      | 1.11          | 28.24 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
| 22                                  | 01         | 2      | 1.11          | 28.24 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     | 02         | 2      | 1.11          | 28.24 | 3.88    | 98.55 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     | 03         | 2      | 1.11          | 28.24 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
| 24                                  | 01         | 2      | 1.11          | 28.24 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     | 02         | 2      | 1.11          | 28.24 | 3.88    | 98.55 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     | 03         | 2      | 1.11          | 28.24 | 3.13    | 79.50 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                     |            | 1      | 1.11          | 28.24 | 2.13    | 54.10 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |



Note: \* For ordering with Military part number contact factory.

## Miniature Cylindrical MIL-DTL-26482, Series 2

MIL-DTL-26482, SERIES 2

### CRIMP CONTACTS

| Contact Size | Wire Range |                 | Socket Contacts      | Pin Contacts         |
|--------------|------------|-----------------|----------------------|----------------------|
|              | AWG        | mm <sup>2</sup> | Military Part Number | Military Part Number |
| 20           | 24-20      | 0.2-0.6         | M39029/5-115         | M39029/4-110         |
| 16           | 20-16      | 0.5-1.4         | M39029/5-116         | M39029/4-111         |
| 12           | 14-12      | 2-3             | M39029/5-118         | M39029/4-113         |

### CONTACT CURRENT RATING AND RETENTION

| Contact Size* | DC Test Amperage | Contact Retention |       |
|---------------|------------------|-------------------|-------|
|               |                  | Axial Load        |       |
|               |                  | lb.               | N     |
| 20            | 7.5              | 19.99             | 88.95 |
| 16            | 13.0             | 25                | 111.2 |
| 12            | 23.0             | 30                | 133.4 |

\*Operating individual circuits to maintain heat rise within operating temperature requirements.

### SEALING PLUGS

| Contact Size | Sealing Plugs        |
|--------------|----------------------|
|              | Military Part Number |
| 20           | MS27488-20           |
| 16           | MS27488-16           |
| 12           | MS27488-12           |

### CRIMPING TOOLS

| Contact Size | Wire Range |                 | Finished Wire Dia. Range |           | Crimping Tool Part Number  | Turret or Positioner Part Number |
|--------------|------------|-----------------|--------------------------|-----------|----------------------------|----------------------------------|
|              | AWG        | mm <sup>2</sup> | Inch                     | mm        |                            |                                  |
| 20           | 24-20      | 0.2-0.6         | .040-.083                | 1.02-2.11 | M22520/1-01 or M22520/2-01 | M22520/1-02 or M22520/2-02       |
| 16           | 20-16      | 0.5-1.4         | .053-.103                | 1.34-2.62 | M22520/1-01                | M22520/1-02                      |
| 12           | 14-12      | 2-3             | .097-.158                | 2.46-4.01 | M22520/1-01                | M22520/1-02                      |

### INSERTION/REMOVAL TOOLS

| Size | Color Code   | Military Part Number |
|------|--------------|----------------------|
| 20   | Red/White    | M81969/14-11         |
| 16   | Blue/White   | M81969/14-03         |
| 12   | Yellow/White | M81969/14-04         |

NOTE: Each connector is furnished with contacts. One spare for inserts requiring 1 to 20 of each contact, two spares for inserts with more than 26 contacts, and a minimum of one sealing plug up to 15% of the number of contacts.

### Metal Insertion & Extraction tool part no.

| SR.NO | CONTACT SIZE | METAL INSERTION TOOL |           | METAL EXTRACTION TOOL |           |
|-------|--------------|----------------------|-----------|-----------------------|-----------|
|       |              | MILITARY NO.         | DMC P/N   | MILITARY NO.          | DMC P/N   |
| 1     | 20           | M81969/8-202         | DAK83-20B | M81969/8-206          | DAK83-20B |
| 2     | 16           | M81969/8-207         | DAK83-16B | M81969/8-208          | DAK83-16B |
| 3     | 12           | M81969/8-209         | DAK83-12B | M81969/8-2010         | DAK83-12B |

# Ordering Information

|                           | 1.                | 2.                 | 3.               | 4.                               | 5.              | 6.                              | 7.                     |
|---------------------------|-------------------|--------------------|------------------|----------------------------------|-----------------|---------------------------------|------------------------|
| MIL-DTL-26482<br>SERIES 2 | CONNECTOR<br>TYPE | CONNECTOR<br>STYLE | SERVICE<br>CLASS | SHELL SIZE/INSERT<br>ARRANGEMENT | CONTACT<br>TYPE | ALTERNATE<br>ROTATION OF INSERT | MODIFICATION<br>NUMBER |
| MILITARY                  | MS                | 3470               | W                | 12-10                            | P               | W                               | NA                     |
| COMMERCIAL                | IMB1              | 0                  | W                | 12-10                            | P               | W                               | (xxx)                  |

## Step 1 Military Connector Type

|           |                              |
|-----------|------------------------------|
| <b>MS</b> | Designates Military Standard |
|-----------|------------------------------|

## Step 1 Commercial Connector Type

|             |                                                       |
|-------------|-------------------------------------------------------|
| <b>IMB1</b> | Designates Hitech India<br>Bayonet Coupling Connector |
|-------------|-------------------------------------------------------|

## Step 2 Select a Connector Style

|      | Designates                               |
|------|------------------------------------------|
| 3470 | Wall Mount Receptacle with Narrow Flange |
| 3471 | Cable Connecting Receptacle              |
| 3472 | Wall Mount Receptacle with Wide Flange   |
| 3474 | Jam Nut Receptacle                       |
| 3475 | Straight Plug with RFI Grounding Fingers |
| 3476 | Straight Plug                            |

## Step 2 Select a Connector Style

|   | Designates Military Standard             |
|---|------------------------------------------|
| 0 | Wall Mount Receptacle with Narrow Flange |
| 1 | Cable Connecting Receptacle              |
| 2 | Wall Mount Receptacle with Wide Flange   |
| 4 | Jam Nut Receptacle                       |
| 5 | Straight Plug with RFI Grounding Fingers |
| 6 | Straight Plug                            |

## Step 3 Select a Service Class

|    | Designates                                                         |
|----|--------------------------------------------------------------------|
| L  | Aluminum shell, electroless nickel finish, fluid resistant insert. |
| A  | Aluminum shell, black anodized finish.                             |
| W  | Aluminum shell, olive drab cadmium plated, fluid resistant insert. |
| Z* | Zinc Nickel Black Finish.                                          |

## Step 3 Select a Service Class

|    | Designates                                                         |
|----|--------------------------------------------------------------------|
| L  | Aluminum shell, electroless nickel finish, fluid resistant insert. |
| A  | Aluminum shell, black anodized.                                    |
| W  | Aluminum shell, olive drab cadmium plated, fluid resistant insert. |
| SD | Zinc Nickel Black Finish.                                          |

\*Note: Not yet QPL approved

## Step 4 Select a Shell Size & Insert Arrangement from chart on page

Shell Size & Insert Arrangements are on pages 6-8  
First number represents Shell Size, second number is the Insert Arrangement.

## Step 4 Select a Shell Size & Insert Arrangement from chart on page

Shell Size & Insert Arrangements are on pages 6-8  
First number represents Shell Size, second number is the Insert Arrangement.

## Step 5 Select a Contact Type

|   | Designates   |
|---|--------------|
| P | Pin Contacts |
| S | Socket       |
| A | Less Pins    |
| B | Less Sockets |

## Step 5 Select a Contact Type

|   | Designates      |
|---|-----------------|
| P | Pin Contacts    |
| S | Socket Contacts |

Use A & B only when other than a full complement of power contacts is to be installed.

## Step 6 Select an Alternate Rotation of Insert

"W", "X", "Y", "Z" designate that insert is rotated in its shell from normal position. No letter required for normal (no rotation) position. See page for description of alternate positions.

## Step 6 Select an Alternate Rotation of Insert

"W", "X", "Y", "Z" designate that insert is rotated in its shell from normal position. No letter required for normal (no rotation) position. See page for description of alternate positions.

## Step 7 Modification Number

Consult Factory.