



## **CIRH SERIES**

(MIL-C-5015 STYLE)  
Modular Bayonet Lock Connector



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## HALOGEN FREE BAYONET LOCK CONNECTOR SERIES

The Connectors for Industrial Range (CIR) (H - halogen free) is based on the products covered by the American MilC-5015 and the German VG95234 specifications. These connectors are used extensively throughout the mass transportation, entertainment and general industrial markets.

CIRH connectors are interchangeable with all corresponding types and feature contact arrangements from Mil-STD-1651. Positive coupling is indicated by an audible 'snap' and by the alignment of three coloured dots on the receptacle and on the coupling nut of the plug connector.

To enhance service life in applications where the connectors are likely to experience severe vibration or repeated mating, CIRH connectors feature stainless steel anti-wear pins at the critical point of the receptacle coupling ramps.

In response to safety and environmental requirements, CIRH connectors have as standard, low fire hazard/halogen free rubber insulators which have been independently tested and shown to conform with the requirements of European specification EN 45545-2 (HL3, R22/R23), French specification NF F 16-101 classification 12 F1 and to British specification BS 6853 app. A clause A.9 and app. B clause B.5.1. Connector shells can also be supplied with cadmium free plating finishes.

Protection against water and dust ingress is provided by the use of a dynamic seal ring under the coupling nut and by an individual wire seal grommet at the rear of the connector. A wavy washer assembly, also under the coupling nut and a comprehensive range of back shells and accessories, ensure excellent continuity and shielding characteristics between mated connectors where the effects of EMI and RFI must be eliminated.



|                                                       |       |                                                       |       |
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### Standard Data

#### Materials:

|                               |                         |
|-------------------------------|-------------------------|
| Connector metalwork:          | Aluminium alloy         |
| Insulator, grommet & bushing: | Low Fire Hazard, rubber |
| Contacts:                     | Copper alloy            |
| Accessory hardware:           | Aluminium alloy         |

#### Standard Plating Finishes:

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| Aluminium parts: | Olive drab chromate over zinc cobalt or<br>Olive drab chromate over cadmium plate.* |
| Contacts:        | Silver or Gold.                                                                     |

\* Consult TE for alternative finishes.

#### Environmental Ratings:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Temperature range: | -55°C to + 200°C                                 |
| Shock severity:    | 75g                                              |
| Vibration:         | 5-500 Hz long endurance.<br>30 hour test at 10g. |
| Acceleration:      | 50g                                              |

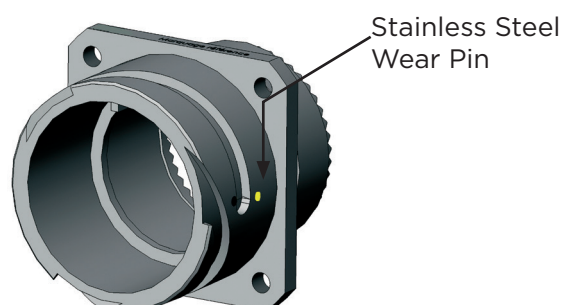
#### Mechanical Features:

|                      |                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Coupling:            | 3 pin bayonet.                                                                                                                   |
| Number of contacts:  | 2 to 85                                                                                                                          |
| Contact termination: | Crimp or p.c. tail.                                                                                                              |
| Sealing:             | Dynamic sealing ring & individual wire<br>seal grommet. When mated and used<br>with appropriate sealed backshell,<br>IP67 rated. |
| Matings:             | 2000.                                                                                                                            |

#### CIRH Connectors:

CIRH connectors feature stainless steel pins at critical wear points of the cam tracks of all receptacle shells, to protect from wear inflicted by continuous mating/de-mating and vibration.

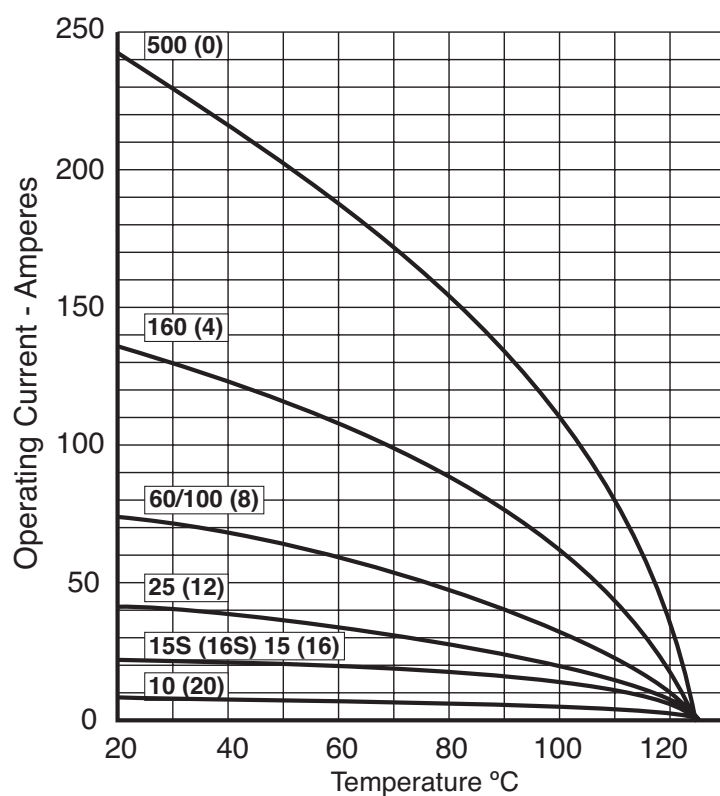
**Note:** The company reserves the right and may change or vary specification without prior written notice.



## Contact Current Ratings

| AWG    | Contact Size<br>Metric | *Maximum Current<br>@ 20°C (68°F) | * Rated Current<br>@ 85°C (185°F) | ** De-rated Current<br>@ 85°C (185°F) |
|--------|------------------------|-----------------------------------|-----------------------------------|---------------------------------------|
| 16/16S | 15/15S                 | 22A                               | 13A                               | 10A                                   |
| 12     | 25                     | 41A                               | 23A                               | 20A                                   |
| 8      | 100                    | 73A                               | 46A                               | 42A                                   |
| 4      | 160                    | 135A                              | 80A                               | 75A                                   |
| 0      | 500                    | 245A                              | 150A                              | 135A                                  |

## Contact Current De-Rating Curve



## Contact Arrangement Service Ratings

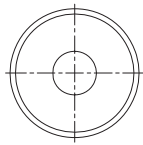
| Service Rating                   | Inst.   | A       | D       | E       |
|----------------------------------|---------|---------|---------|---------|
| Working Voltage<br>DC or AC Peak | 350 V   | 700 V   | 1,250 V | 1,750 V |
| Voltage Proof<br>AC RMS          | 1,000 V | 2,000 V | 2,800 V | 3,500 V |
| Minimum Flashover<br>AC RMS      | 1,400 V | 2,800 V | 3,600V  | 4,500 V |

## PART NUMBER EXPLANATION

| CIRH          | 06          | F              | 28         | 21                  | P            | C                   | N                  | F80           | **                | **             |
|---------------|-------------|----------------|------------|---------------------|--------------|---------------------|--------------------|---------------|-------------------|----------------|
| Series Prefix |             | Accessory Type |            | Contact Arrangement |              | Contact Termination |                    | Contact Style |                   | Contact Supply |
|               | Shell Style |                | Shell Size |                     | Contact Type |                     | Insert Orientation |               | Modification Code |                |

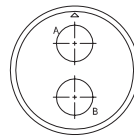
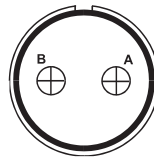
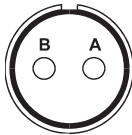
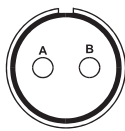
|                             |                                                                                                                                                 |                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Series Prefix:</b>       | CIRH                                                                                                                                            | Low Fire Hazard                                       |
| <b>Shell Style:</b>         | 00                                                                                                                                              | 4 Hole Square flange receptacle, front panel mounted. |
|                             | 01                                                                                                                                              | Cable mounted receptacle.                             |
|                             | 03                                                                                                                                              | 4 Hole Square flange receptacle, rear panel mounted.  |
|                             | 06                                                                                                                                              | Plug. No RFI grounding.                               |
|                             | P06                                                                                                                                             | Plug, rubber covered coupling nut. No RFI grounding.  |
|                             | SE06                                                                                                                                            | Plug with RFI grounding.                              |
|                             | 07                                                                                                                                              | Through bulkhead receptacle                           |
|                             | 08                                                                                                                                              | Plug with 90° angle outlet. No RFI grounding.         |
|                             | SE08                                                                                                                                            | Plug with 90° angle outlet. RFI grounding.            |
|                             | 09                                                                                                                                              | Single hole mounted receptacle.                       |
| <b>Accessory Type:</b>      |                                                                                                                                                 | See relevant catalogue pages.                         |
| <b>Shell Size:</b>          | 10SL- 49.                                                                                                                                       |                                                       |
| <b>Contact Arrangement:</b> | See pages 5 - 22                                                                                                                                |                                                       |
| <b>Contact Type:</b>        | P = Pin, S = Socket, H pin/socket assembly for bulkhead connector 07.                                                                           |                                                       |
| <b>Contact Termination:</b> | C crimp removeable, (except for style 07 no designation in part number).                                                                        |                                                       |
| <b>Insert orientation:</b>  | N normal, WXYZ alternative insert positions. See pages 25 & 26                                                                                  |                                                       |
| <b>Contact style:</b>       | F80                                                                                                                                             |                                                       |
| <b>Modification Code:</b>   | <b>M11</b> Zinc Colbalt Plating with Green passivate finish                                                                                     |                                                       |
|                             | <b>M32</b> Zinc Colbalt Plating with Black passivate finish                                                                                     |                                                       |
|                             | <b>M14</b> Zinc Colbalt Plating with Black passivate finish and tapped mounting holes                                                           |                                                       |
|                             | <b>M35</b> Zinc Colbalt Plating with Green passivate finish and tapped mounting holes                                                           |                                                       |
|                             | <b>Others</b> Consult TE                                                                                                                        |                                                       |
| <b>Contact Supply:</b>      | Leave blank for connectors supplied with silver contacts<br><b>P3</b> for gold contacts.<br><b>V0</b> for connectors supplied without contacts. |                                                       |

1 Contact

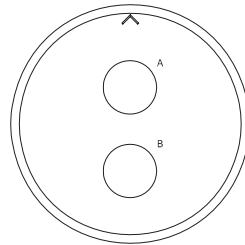
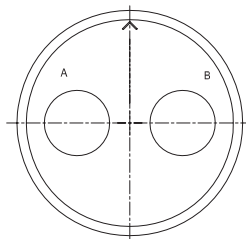
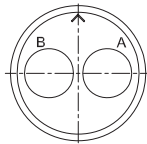
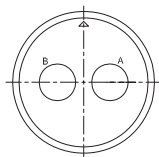


|                                  |              |
|----------------------------------|--------------|
| Contact Arrangement              | 22-7         |
| No. Contacts x Size AWG (Metric) | 1 x #0 (100) |

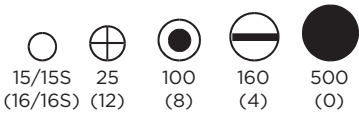
2 Contacts



|                                  |                |                |              |              |
|----------------------------------|----------------|----------------|--------------|--------------|
| Contact Arrangement              | 10SL-4         | 14S-9          | 18-3         | 20-23        |
| No. Contacts x Size AWG (Metric) | 2 x #16S (15S) | 2 x #16S (15S) | 2 x #12 (25) | 2 x #0 (100) |
| Service Rating                   | A              | A              | D            | A            |



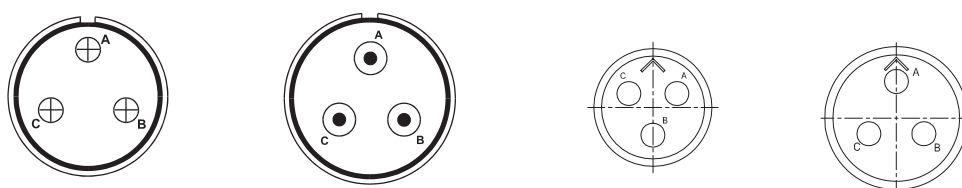
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|----------------------------------|--------------|--------------|-----------|--------------|
| Contact Arrangement              | 22-1         | 24-9         | 28-T2     | 32-5         |
| No. Contacts x Size AWG (Metric) | 2 x #8 (100) | 2 x #4 (160) | 2 x Co Ax | 2 x #0 (500) |



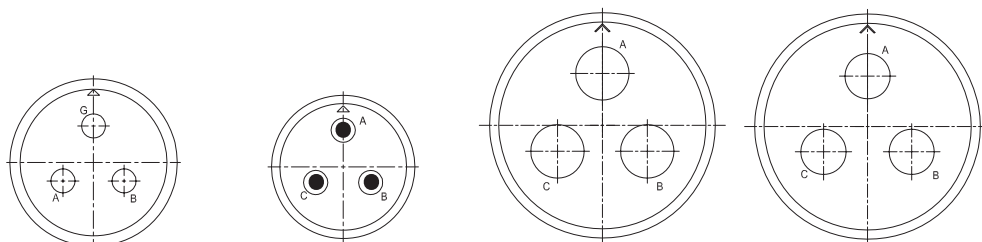
## 3 Contacts



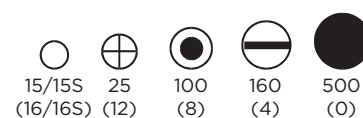
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|----------------------------------|----------------|----------------|----------------|--------------|
| Contact Arrangement              | 10SL-3         | 14S-7          | 16S-5          | 16-10        |
| No. Contacts x Size AWG (Metric) | 3 x #16S (15S) | 3 x #16S (15S) | 3 x #16S (15S) | 3 x #12 (25) |
| Service Rating                   | A              | A              | A              | A            |



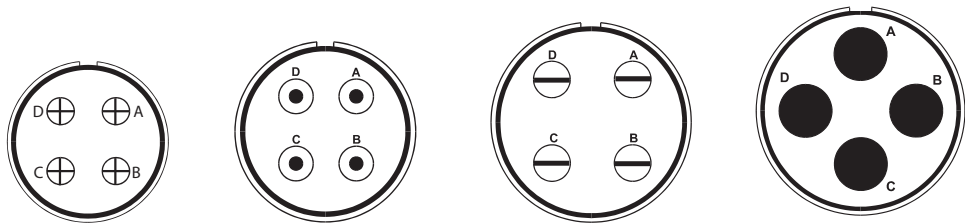
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|----------------------------------|--------------|--------------|----------------|----------------|
| Contact Arrangement              | 20-3         | 22-2         | 14S-1          | 16S-5          |
| No. Contacts x Size AWG (Metric) | 3 x #12 (25) | 3 x #8 (100) | 3 x #16S (15S) | 3 x #16S (15S) |
| Service Rating                   | D            | D            |                |                |



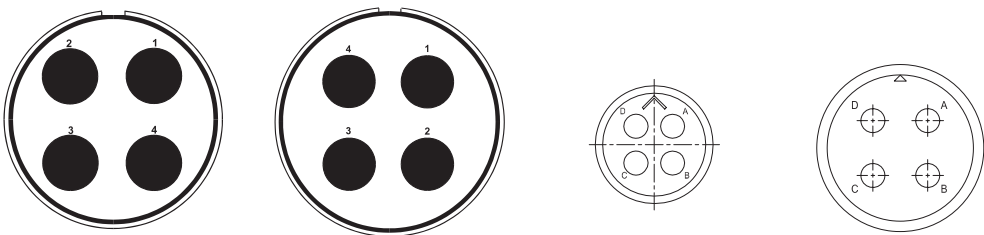
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|----------------------------------|--------------|--------------|--------------|--------------|
| Contact Arrangement              | 18-22        | 20-19        | 28-6         | 28-3         |
| No. Contacts x Size AWG (Metric) | 3 x #16 (15) | 3 x #8 (100) | 3 x #4 (160) | 3 x #8 (100) |



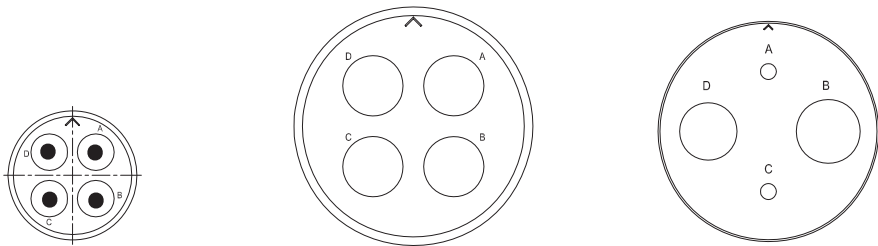
4 Contacts



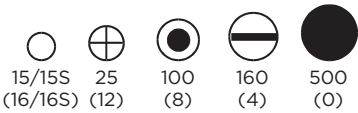
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|----------------------------------|--------------|--------------|--------------|--------------|
| Contact Arrangement              | 20-4         | 24-22        | 32-17        | 36-5         |
| No. Contacts x Size AWG (Metric) | 4 x #12 (25) | 4 x #8 (100) | 4 x #4 (160) | 4 x #0 (500) |
| Service Rating                   | D            | D            | D            | A            |



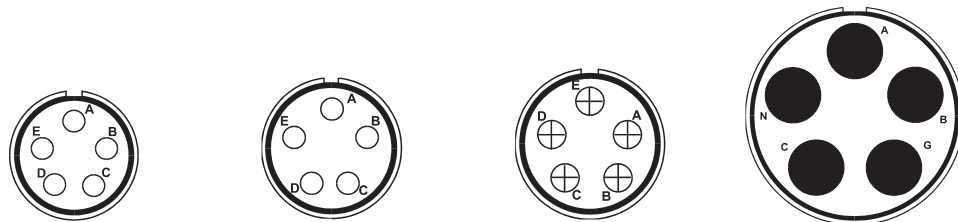
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|----------------------------------|--------------|--------------|----------------|--------------|
| Contact Arrangement              | 40-E4        | 49-A4        | 14S-2          | 18-4         |
| No. Contacts x Size AWG (Metric) | 4 x #0 (500) | 4 x #0 (500) | 4 x #16S (15S) | 4 x #16 (15) |
| Service Rating                   | E            | D            |                |              |



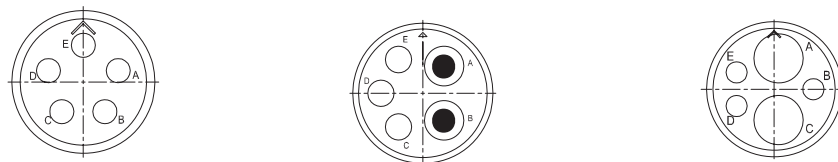
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|----------------------------------|--------------|----------|---------------------------|
| Contact Arrangement              | 22-22        | 32-C17   | 49-D4                     |
| No. Contacts x Size AWG (Metric) | 4 x #8 (100) | 4 x COAX | 2 x #0000<br>2 x #12 (25) |



## 5 Contacts

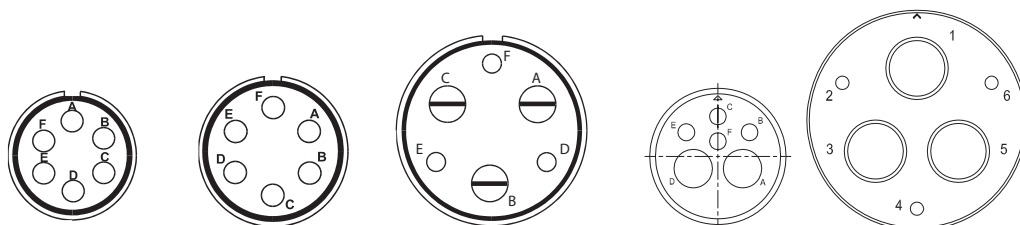


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|----------------------------------|----------------|----------------|--------------|--------------|
| Contact Arrangement              | 14S-5          | 16S-8          | 18-11        | 40-A5        |
| No. Contacts x Size AWG (Metric) | 5 x #16S (15S) | 5 x #16S (15S) | 5 x #12 (25) | 5 x #0 (500) |
| Service Rating                   | Inst.          | A              | D            | A            |

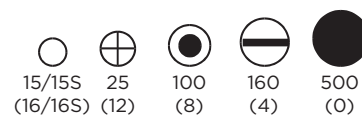


|                                  |              |                              |                              |
|----------------------------------|--------------|------------------------------|------------------------------|
| Contact Arrangement              | 16S-8        | 20-14                        | 24-12                        |
| No. Contacts x Size AWG (Metric) | 5 x #16 (15) | 3 x #12 (25)<br>2 x #8 (100) | 2 x #4 (160)<br>3 x #12 (25) |

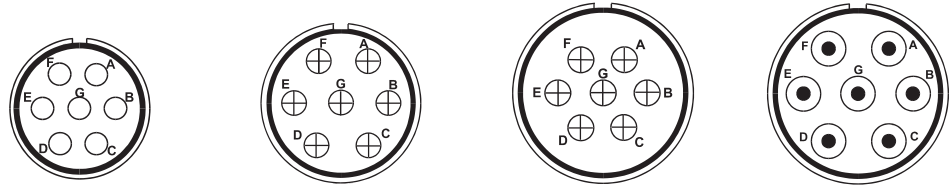
## 6 Contacts



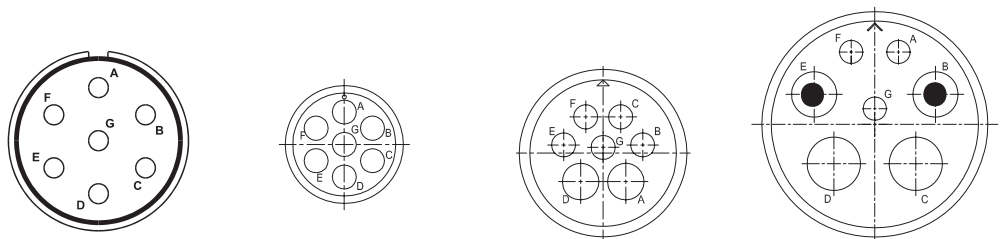
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|----------------------------------|----------------|--------------|------------------------------|------------------------------|--------------------------|
| Contact Arrangement              | 14S-6          | 18-12        | 28-22                        | 20-8                         | 40-D6                    |
| No. Contacts x Size AWG (Metric) | 6 x #16S (15S) | 6 x #16 (15) | 3 x #16 (15)<br>3 x #4 (160) | 4 x #16 (15)<br>2 x #8 (100) | 3 #16 (15)<br>3 #0 (500) |
| Service Rating                   | Inst.          | A            | D                            |                              |                          |



## 7 Contacts

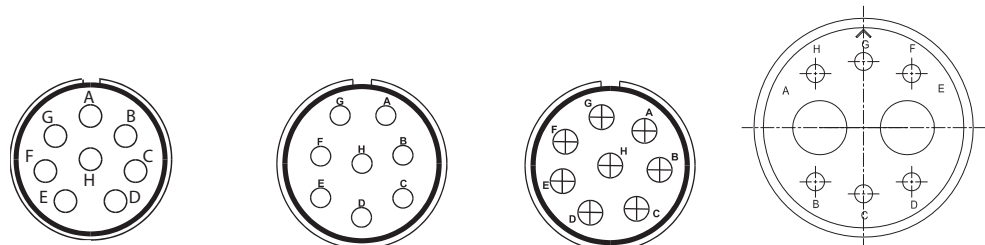


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|----------------------------------|----------------|--------------|--------------|--------------|
| Contact Arrangement              | 16S-1          | 20-15        | 24-2         | 24-10        |
| No. Contacts x Size AWG (Metric) | 7 x #16S (15S) | 7 x #12 (25) | 7 x #12 (25) | 7 x #8 (100) |
| Service Rating                   | A              | A            | D            | A            |

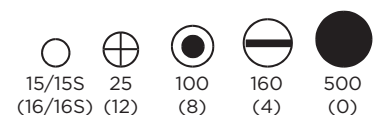


|                                  |              |                |                              |                                              |
|----------------------------------|--------------|----------------|------------------------------|----------------------------------------------|
| Contact Arrangement              | 24-27        | 14S-A7         | 18-9                         | 28-10                                        |
| No. Contacts x Size AWG (Metric) | 7 x #16 (15) | 7 x #16S (15S) | 5 x #16 (15)<br>2 x #12 (25) | 3 x #12 (25)<br>2 x #8 (100)<br>2 x #4 (160) |
| Service Rating                   | A            |                |                              |                                              |

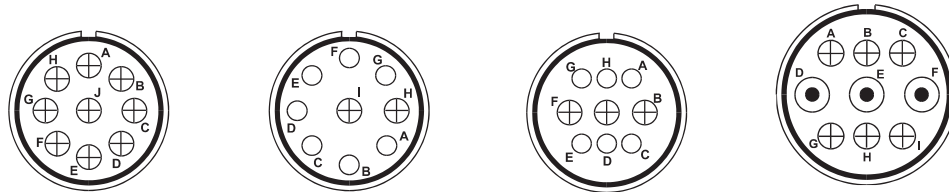
## 8 Contacts



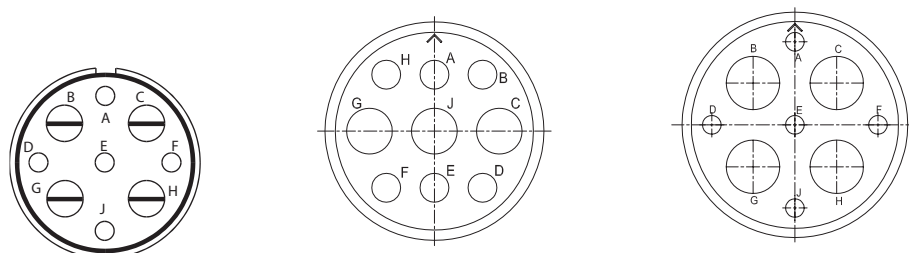
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|----------------------------------|-----------------------------|-------------------------------|-----------------------|------------------------------|
| Contact Arrangement              | 20-7                        | 22-18                         | 22-23                 | 28-8                         |
| No. Contacts x Size AWG (Metric) | 8 x #16 (15)                | 8 x #16 (15)                  | 8 x #12 (25)          | 2 x #4 (160)<br>6 x #16 (15) |
| Service Rating                   | A,B,H,G = D,<br>Balance = A | A,B,F,G,H = D,<br>Balance = A | H = D,<br>Balance = A |                              |



## 9 Contacts

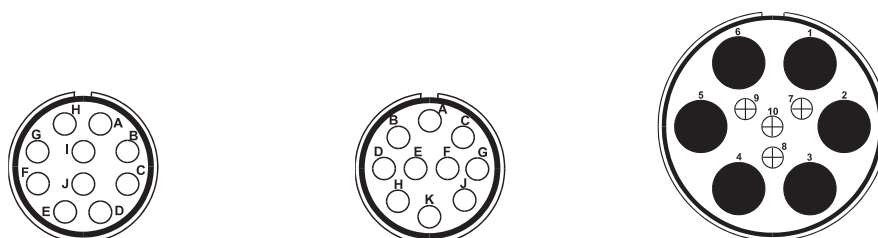


|                                  |                        |              |                              |                              |
|----------------------------------|------------------------|--------------|------------------------------|------------------------------|
| Contact Arrangement              | 20-A9                  | 20-16        | 20-18                        | 24-11                        |
| No. Contacts x Size AWG (Metric) | 9 x #12 (25)           | 2 x #12 (25) | 6 x #16 (15)<br>3 x #12 (25) | 6 x #12 (25)<br>3 x #8 (100) |
| Service Rating                   | J = D. Balance = Inst. | A            | A                            |                              |

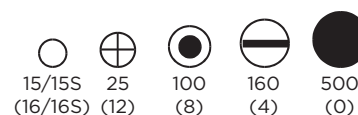


|                                  |                              |                              |                          |
|----------------------------------|------------------------------|------------------------------|--------------------------|
| Contact Arrangement              | 28-A9                        | 28-1                         | 28-T9                    |
| No. Contacts x Size AWG (Metric) | 4 x #4 (160)<br>5 x #16 (15) | 3 x #8 (100)<br>6 x #12 (25) | 5 x #16 (15)<br>4 x COAX |
| Service Rating                   | A                            |                              |                          |

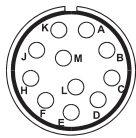
## 10 Contacts



|                                  |                                 |               |                              |
|----------------------------------|---------------------------------|---------------|------------------------------|
| Contact Arrangement              | 18-1                            | 18-19         | 49-10                        |
| No. Contacts x Size AWG (Metric) | 10 x #16 (15)                   | 10 x #16 (15) | 4 x #12 (25)<br>6 x #0 (500) |
| Service Rating                   | B,C,F,G = A.<br>Balance = Inst. | A             | D                            |

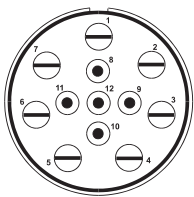


11 Contacts



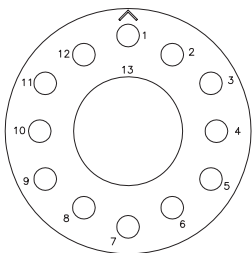
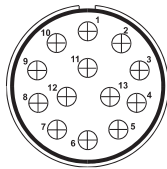
|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 20-33         |
| No. Contacts x Size AWG (Metric) | 11 x #16 (15) |
| Service Rating                   | A             |

12 Contacts



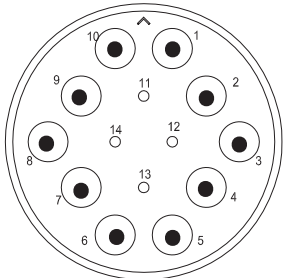
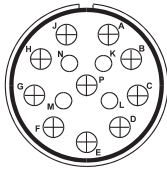
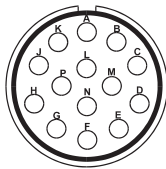
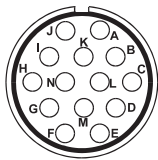
|                                  |                              |
|----------------------------------|------------------------------|
| Contact Arrangement              | 49-A12                       |
| No. Contacts x Size AWG (Metric) | 5 x #8 (100)<br>7 x #4 (160) |
| Service Rating                   | D                            |

13 Contacts

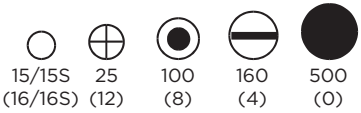


|                                  |               |               |                           |
|----------------------------------|---------------|---------------|---------------------------|
| Contact Arrangement              | 32-A13        | 20-11         | 28-C1                     |
| No. Contacts x Size AWG (Metric) | 13 x #12 (25) | 13 x #16 (15) | 12 x #16 (15)<br>1 x COAX |
| Service Rating                   | D             |               |                           |

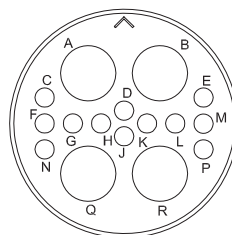
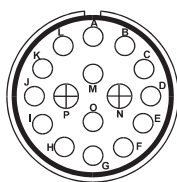
14 Contacts



|                                  |               |               |                               |                               |
|----------------------------------|---------------|---------------|-------------------------------|-------------------------------|
| Contact Arrangement              | 20-27         | 22-19         | 28-20                         | 36-D78                        |
| No. Contacts x Size AWG (Metric) | 14 x #16 (15) | 14 x #16 (15) | 4 x #16 (15)<br>10 x #12 (25) | 10 x #8 (100)<br>4 x #16 (15) |
| Service Rating                   | A             | A             | A                             |                               |

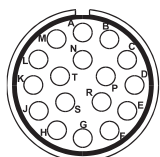


## 16 Contacts



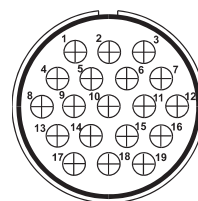
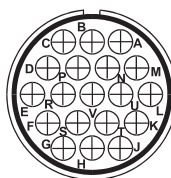
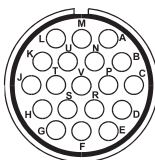
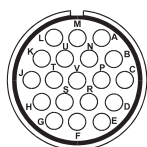
|                                  |                               |               |                               |
|----------------------------------|-------------------------------|---------------|-------------------------------|
| Contact Arrangement              | 24-7                          | 24-5          | 32-68                         |
| No. Contacts x Size AWG (Metric) | 14 x #16 (15)<br>2 x #12 (25) | 16 x #16 (15) | 4 x #4 (160)<br>12 x #16 (15) |
| Service Rating                   | A                             |               |                               |

## 17 Contacts

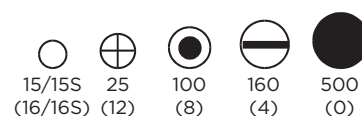


|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 20-29         |
| No. Contacts x Size AWG (Metric) | 17 x #16 (15) |
| Service Rating                   | A             |

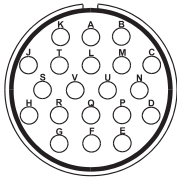
## 19 Contacts



|                                  |               |               |               |               |
|----------------------------------|---------------|---------------|---------------|---------------|
| Contact Arrangement              | 20-A48        | 22-14         | 24-67         | 32-76         |
| No. Contacts x Size AWG (Metric) | 19 x #16 (15) | 19 x #16 (15) | 19 x #12 (25) | 19 x #12 (25) |
| Service Rating                   | Inst.         | A             | A             | A             |

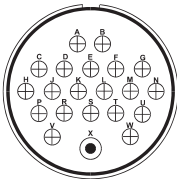


20 Contacts



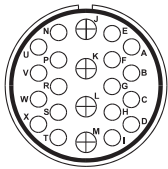
|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 28-16         |
| No. Contacts x Size AWG (Metric) | 20 x #16 (15) |
| Service Rating                   | A             |

21 Contacts

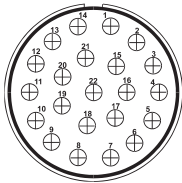


|                                  |                               |
|----------------------------------|-------------------------------|
| Contact Arrangement              | 40-D21                        |
| No. Contacts x Size AWG (Metric) | 20 x #12 (25)<br>1 x #8 (100) |
| Service Rating                   | D                             |

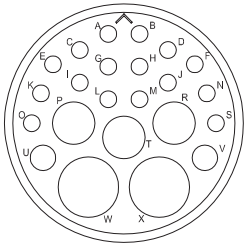
22 Contacts



|                                  |                                 |                |
|----------------------------------|---------------------------------|----------------|
| Contact Arrangement              | 28-11                           | 36-A22         |
| No. Contacts x Size AWG (Metric) | 18 x # 16 (15)<br>4 x # 12 (25) | 22 x # 12 (25) |
| Service Rating                   | A                               |                |

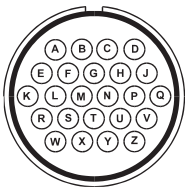


23 Contacts

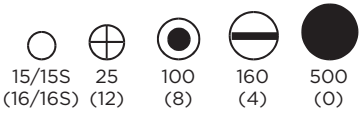


|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| Contact Arrangement              | 32-6                                                          |
| No. Contacts x Size AWG (Metric) | 2 x #4 (160)<br>3 x #8 (100)<br>2 x #12 (25)<br>16 x #16 (15) |

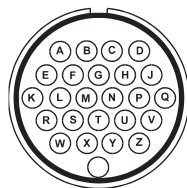
24 Contacts



|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 24-28         |
| No. Contacts x Size AWG (Metric) | 24 x #16 (15) |
| Service Rating                   | Inst.         |

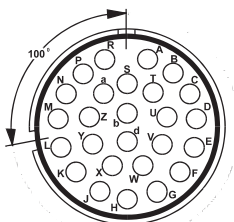
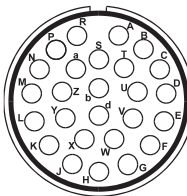


25 Contacts



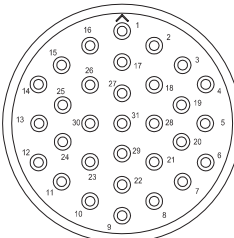
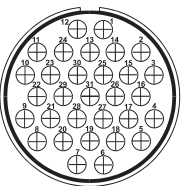
|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 24-A25        |
| No. Contacts x Size AWG (Metric) | 25 x #16 (15) |
| Service Rating                   | A             |

26 Contacts

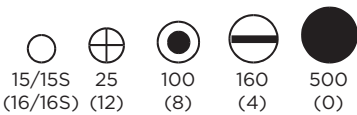


|                                  |               |                                        |
|----------------------------------|---------------|----------------------------------------|
| Contact Arrangement              | 28-12         | 28-13                                  |
| No. Contacts x Size AWG (Metric) | 26 x #16 (15) | 28-12 Rotated by 100°<br>26 x #16 (15) |
| Service Rating                   | A             | A                                      |

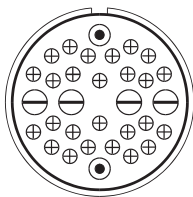
31 Contacts



|                                  |               |               |
|----------------------------------|---------------|---------------|
| Contact Arrangement              | 40-A31        | 32-31         |
| No. Contacts x Size AWG (Metric) | 31 x #12 (25) | 31 x #16 (15) |
| Service Rating                   | D             |               |

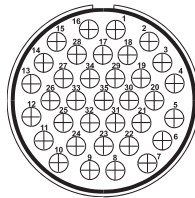
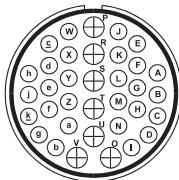


32 Contacts



|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Contact Arrangement              | 49-D32                                    |
| No. Contacts x Size AWG (Metric) | 26 x #12 (25)<br>2 x #8 (100)<br>4 x Coax |
| Service Rating                   | D                                         |

35 Contacts

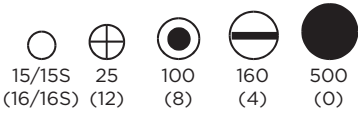


|                                  |               |                                  |               |
|----------------------------------|---------------|----------------------------------|---------------|
| Contact Arrangement              | 28-15         | 32-7                             | 40-A35        |
| No. Contacts x Size AWG (Metric) | 35 x #16 (15) | 28 x #16 (15)<br>7 x #12 (25)    | 35 x #12 (25) |
| Service Rating                   | A             | A,B,H & J = Inst.<br>Balance = A | D             |

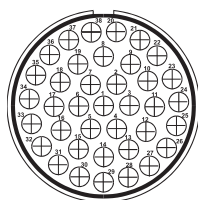
37 Contacts



|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 28-21         |
| No. Contacts x Size AWG (Metric) | 37 x #16 (15) |
| Service Rating                   | A             |

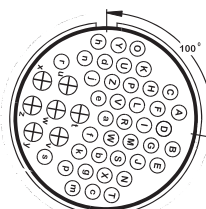
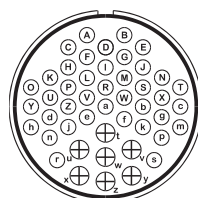


## 38 Contacts

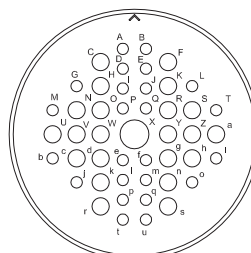
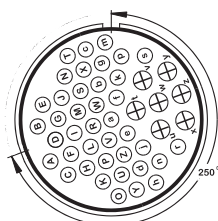


|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 40-A38        |
| No. Contacts x Size AWG (Metric) | 38 x #12 (25) |
| Service Rating                   | A             |

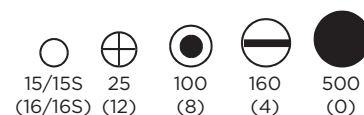
## 47 Contacts



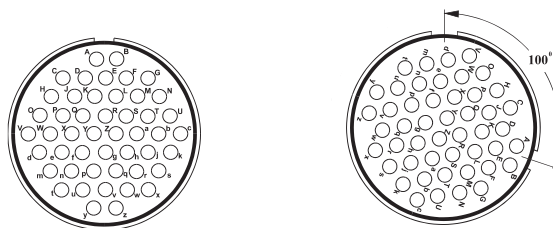
|                                  |                               |                      |
|----------------------------------|-------------------------------|----------------------|
| Contact Arrangement              | 36-7                          | 36-16                |
| No. Contacts x Size AWG (Metric) | 40 x #16 (15)<br>7 x #12 (25) | 36-7 Rotated by 100° |
| Service Rating                   | A                             | A                    |



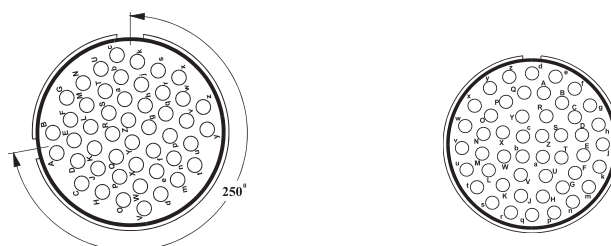
|                                  |                      |                                                |
|----------------------------------|----------------------|------------------------------------------------|
| Contact Arrangement              | 36-17                | 40-9                                           |
| No. Contacts x Size AWG (Metric) | 36-7 Rotated by 250° | 1 x #8 (100)<br>22 x #12 (25)<br>24 x #16 (15) |
| Service Rating                   | A                    |                                                |



## 48 Contacts



|                                  |               |                       |
|----------------------------------|---------------|-----------------------|
| Contact Arrangement              | 36-10         | 36-11                 |
| No. Contacts x Size AWG (Metric) | 48 x #16 (15) | 36-10 Rotated by 100° |
| Service Rating                   | A             | A                     |

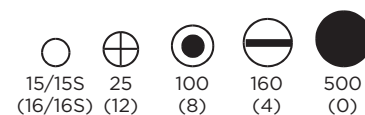


|                                  |                       |                |
|----------------------------------|-----------------------|----------------|
| Contact Arrangement              | 36-12                 | 36-A48         |
| No. Contacts x Size AWG (Metric) | 36-10 Rotated by 250° | 48 x # 16 (15) |
| Service Rating                   | A                     | Inst.          |

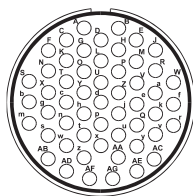
## 49 Contacts



|                                  |                                                           |                               |
|----------------------------------|-----------------------------------------------------------|-------------------------------|
| Contact Arrangement              | 49-A49                                                    | 49-D1                         |
| No. Contacts x Size AWG (Metric) | 38 x #16 (15), 4 x #12 (25)<br>5 x #8 (100), 2 x #4 (160) | 44 x #16 (15)<br>5 x #4 (160) |
| Service Rating                   | D                                                         | D                             |

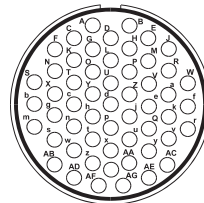


## 54 Contacts



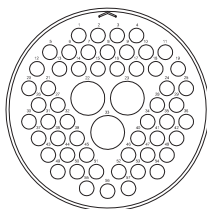
|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 32-22         |
| No. Contacts x Size AWG (Metric) | 54 x #16 (15) |
| Service Rating                   | A             |

## 55 Contacts



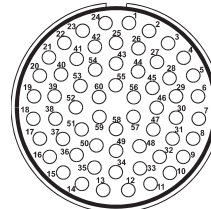
|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 32-A55        |
| No. Contacts x Size AWG (Metric) | 55 x #16 (15) |

## 57 Contacts



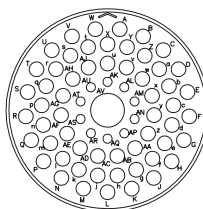
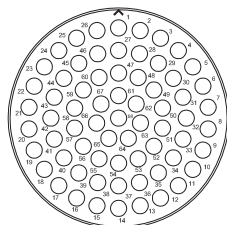
|                                  |                           |
|----------------------------------|---------------------------|
| Contact Arrangement              | 49-A57                    |
| No. Contacts x Size AWG (Metric) | 54 x #12 (25)<br>3 x Coax |

## 60 Contacts

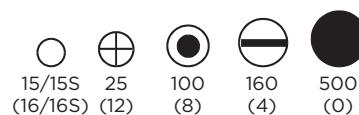


|                                  |               |
|----------------------------------|---------------|
| Contact Arrangement              | 40-A60        |
| No. Contacts x Size AWG (Metric) | 60 x #16 (15) |
| Service Rating                   | A             |

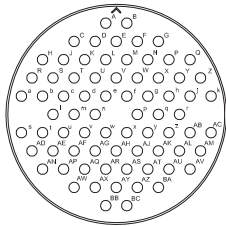
## 68 Contacts



|                                  |               |                                            |
|----------------------------------|---------------|--------------------------------------------|
| Contact Arrangement              | 49-A68        | 49-D68                                     |
| No. Contacts x Size AWG (Metric) | 68 x #12 (25) | 57 x #12 (25)<br>10 x #16 (15)<br>1 x Coax |

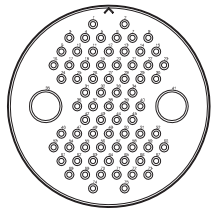


74 Contacts



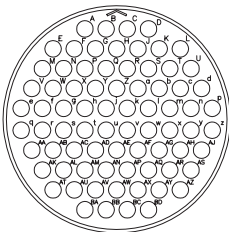
|                                  |                |
|----------------------------------|----------------|
| Contact Arrangement              | 49-74          |
| No. Contacts x Size AWG (Metric) | 74 x # 16 (15) |

75 Contacts



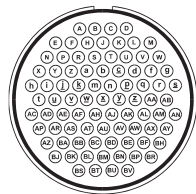
|                                  |                            |
|----------------------------------|----------------------------|
| Contact Arrangement              | 49-D75                     |
| No. Contacts x Size AWG (Metric) | 73 x # 16 (15)<br>2 x Coax |

76 Contacts



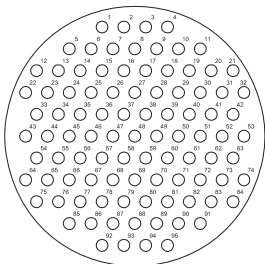
|                                  |                |
|----------------------------------|----------------|
| Contact Arrangement              | 49-A76         |
| No. Contacts x Size AWG (Metric) | 76 x # 12 (25) |

85 Contacts

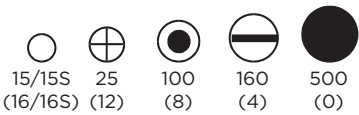


|                                  |                |
|----------------------------------|----------------|
| Contact Arrangement              | 40-56          |
| No. Contacts x Size AWG (Metric) | 85 x # 16 (15) |
| Service Rating                   | A              |

95 Contacts



|                                  |                |
|----------------------------------|----------------|
| Contact Arrangement              | 49-A95         |
| No. Contacts x Size AWG (Metric) | 95 x # 16 (15) |



## F80 CONTACT ARRANGEMENTS SELECTION CHART

| Contact Size AWG(Metric) & Current Rating (Derated) |            |             |                |         |         |         |         |                   |                |
|-----------------------------------------------------|------------|-------------|----------------|---------|---------|---------|---------|-------------------|----------------|
| Amps at 85° C                                       |            |             |                |         |         |         |         |                   |                |
| Shell Size                                          | Cont. Arr. | No. of Cts. | 6/16S (15/15S) | 12 (25) | 8 (100) | 4 (160) | 0 (500) | Shell Orientation | Service Rating |
| 10SL                                                | 3          | 3           | 3x10A          |         |         |         |         | N                 | A              |
| 10SL                                                | 4          | 2           | 2x10A          |         |         |         |         | N                 | A              |
| 14S                                                 | 1          | 3           | 3x10A          |         |         |         |         |                   |                |
| 14S                                                 | 2          | 4           | 4x10A          |         |         |         |         |                   |                |
| 14S                                                 | 5          | 5           | 5x10A          |         |         |         |         | NX                | Inst.          |
| 14S                                                 | 6          | 6           | 6x10A          |         |         |         |         | NW                | Inst.          |
| 14S                                                 | 7          | 3           | 3x10A          |         |         |         |         | NWXY              | A              |
| 14S                                                 | A7         | 7           | 7x10A          |         |         |         |         |                   |                |
| 14S                                                 | 9          | 2           | 2x10A          |         |         |         |         | NWXYZ             | A              |
| 16S                                                 | 1          | 7           | 7x10A          |         |         |         |         | NWZ               | A              |
| 16S                                                 | 5          | 3           | 3x10A          |         |         |         |         | NWXYZ             | A              |
| 16S                                                 | 8          | 5           | 5x10A          |         |         |         |         | NWY               | A              |
| 16                                                  | 10         | 3           |                | 3x20A   |         |         |         | NWXY              | A              |
| 18                                                  | 1          | 10          | 10x10A         |         |         |         |         | NWXYZ             | *A&Inst        |
| 18                                                  | 3          | 2           |                | 2x20A   |         |         |         | NWXYZ             | D              |
| 18                                                  | 4          | 4           | 4x10A          |         |         |         |         |                   |                |
| 18                                                  | 9          | 7           | 5x10A          | 2x20A   |         |         |         |                   |                |
| 18                                                  | 11         | 5           |                | 5x20A   |         |         |         | NXY               | A              |
| 18                                                  | 12         | 6           | 6x10A          |         |         |         |         | NWZ               | A              |
| 18                                                  | 19         | 10          | 10x10A         |         |         |         |         | NXY               | A              |
| 18                                                  | 22         | 3           | 3x10A          |         |         |         |         | NXY               | A              |
| 20                                                  | 3          | 3           |                | 3x20A   |         |         |         | NWXYZ             | D              |
| 20                                                  | 4          | 4           |                | 4x20A   |         |         |         | NWXY              | D              |
| 20                                                  | 7          | 8           | 8x10A          |         |         |         |         | NWXYZ             | *A&D           |
| 20                                                  | 8          | 6           | 4x10A          | 2x20A   |         |         |         |                   |                |
| 20                                                  | A9         | 9           |                | 9x20A   |         |         |         | NXY               | *D&Inst        |
| 20                                                  | 11         | 13          | 13x10A         |         |         |         |         | NWZ               | A              |
| 20                                                  | 14         | 5           |                | 3x20A   | 2x42A   |         |         |                   |                |
| 20                                                  | 15         | 7           |                | 7x20A   |         |         |         | NWZ               | A              |
| 20                                                  | 16         | 9           | 7x10A          | 2x20A   |         |         |         | NWXYZ             | A              |
| 20                                                  | 18         | 9           | 6x10A          | 3x20A   |         |         |         | NWXYZ             | A              |
| 20                                                  | 19         | 3           |                |         | 3x42A   |         |         |                   |                |
| 20                                                  | 23         | 2           |                |         | 2x42A   |         |         |                   |                |
| 20                                                  | 27         | 14          | 14x10A         |         |         |         |         | NWXYZ             | A              |
| 20                                                  | 29         | 17          | 17x10A         |         |         |         |         | NWZ               | A              |
| 20                                                  | 33         | 11          | 11x10A         |         |         |         |         | NZ                | A              |
| 20                                                  | A48        | 19          | 19x10A         |         |         |         |         | NXY               | Inst           |
| 22                                                  | 1          | 2           |                |         | 2x42A   |         |         |                   |                |
| 22                                                  | 2          | 3           |                |         | 3x42A   |         |         | NWXYZ             | D              |
| 22                                                  | 7          | 1           |                |         |         |         | 1x135A  |                   |                |
| 22                                                  | 14         | 19          | 19x10A         |         |         |         |         | NWXYZ             | A              |
| 22                                                  | 18         | 8           | 8x10A          |         |         |         |         | NWXYZ             | *A&D           |
| 22                                                  | 19         | 14          | 14x10A         |         |         |         |         | NWXYZ             | A              |
| 22                                                  | 22         | 4           |                |         | 4x42A   |         |         |                   |                |
| 22                                                  | 23         | 8           |                | 8x20A   |         |         |         | NWY               | *A&D           |
| 24                                                  | 2          | 7           |                | 7x20A   |         |         |         | NWZ               | D              |
| 24                                                  | 5          | 16          | 16x10A         |         |         |         |         |                   |                |
| 24                                                  | 7          | 16          | 14x10A         | 2x20A   |         |         |         | NWXYZ             | A              |
| 24                                                  | 9          | 2           |                |         |         | 2x75A   |         |                   |                |
| 24                                                  | 10         | 7           |                |         | 7x42A   |         |         | NWZ               | A              |
| 24                                                  | 11         | 9           |                | 6x20A   | 3x42A   |         |         | NWXYZ             | A              |
| 24                                                  | 12         | 5           |                | 3x20A   |         | 2x75A   |         |                   |                |
| 24                                                  | 22         | 4           |                |         | 4x42A   |         |         | NWXY              | D              |
| 24                                                  | A25        | 25          | 25x10A         |         |         |         |         | NWXYZ             | A              |
| 24                                                  | 27         | 7           | 7x10A          |         |         |         |         | NWZ               | E              |
| 24                                                  | 28         | 24          | 24x10A         |         |         |         |         | NWXYZ             | Inst.          |
| 24                                                  | 67         | 19          |                | 19x20A  |         |         |         | NWXYZ             | A              |

### \*Contact Arrangements/Service Ratings

**18-1** Contacts B,C,F,G = A.

**20-7** Contacts C,D,E,F = A

**22-23** Contact H = D

**20-A9** Contact J = D

**22-18** Contacts A,B,F,G,H = D

Balance = Inst.

Balance = D

Balance = A

Balance = Inst.

Balance = A

## F80 CONTACT ARRANGEMENTS SELECTION CHART

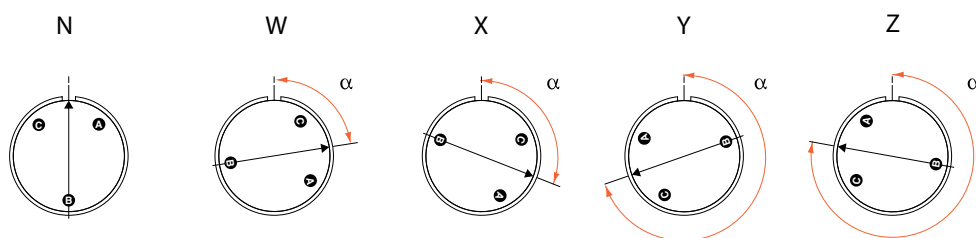
| Contact Size AWG(Metric) & Current Rating (Derated)<br>Amps at 85° C |            |             |                |         |         |         |         |                   |                |
|----------------------------------------------------------------------|------------|-------------|----------------|---------|---------|---------|---------|-------------------|----------------|
| Shell Size                                                           | Cont. Arr. | No. of Cts. | 6/16S (15/15S) | 12 (25) | 8 (100) | 4 (160) | 0 (500) | Shell Orientation | Service Rating |
| 28                                                                   | 1          | 9           |                | 6x20A   | 3x42A   |         |         |                   |                |
| 28                                                                   | C1         | 13          | 12x10A         |         |         |         |         |                   |                |
| 28                                                                   | T2         | 2           |                |         |         |         |         |                   |                |
| 28                                                                   | 3          | 3           |                |         | 3x42A   |         |         |                   |                |
| 28                                                                   | 6          | 3           |                |         |         | 3x75A   |         |                   |                |
| 28                                                                   | 8          | 8           | 6x10A          |         |         | 2x75A   |         |                   |                |
| 28                                                                   | T9         | 9           | 5x10A          |         |         |         |         |                   |                |
| 28                                                                   | 10         | 7           |                | 3x20A   | 2x42A   | 2x75A   |         |                   |                |
| 28                                                                   | 11         | 22          | 18x10A         | 4x20A   |         |         |         | NWXYZ             | A              |
| 28                                                                   | 12         | 26          | 26x10A         |         |         |         |         | NWXY              | A              |
| 28                                                                   | 13         | 26          | 26x10A         |         |         |         |         | -                 | A              |
| 28                                                                   | 15         | 35          | 35x10A         |         |         |         |         | NWXYZ             | A              |
| 28                                                                   | 16         | 20          | 20x10A         |         |         |         |         | NWXYZ             | A              |
| 28                                                                   | 20         | 14          | 4x10A          | 10x20A  |         |         |         | NWXYZ             | A              |
| 28                                                                   | 21         | 37          | 37x10A         |         |         |         |         | NWXYZ             | A              |
| 28                                                                   | 22         | 6           | 3x10A          |         |         | 3x75A   |         | NWXYZ             | D              |
| 28                                                                   | A9         | 9           | 5x10A          |         |         | 4x75A   |         | NWXYZ             | A              |
| 32                                                                   | 5          | 2           |                |         |         |         | 2x135A  |                   |                |
| 32                                                                   | 6          | 23          | 16x10A         | 2x20A   | 3x42A   | 2x75A   |         |                   |                |
| 32                                                                   | 7          | 35          | 28x10A         | 7x20A   |         |         |         | NWXYZ             | *A&Inst        |
| 32                                                                   | A13        | 13          |                | 13x20A  |         |         |         | NWXYZ             | D              |
| 32                                                                   | 17         | 4           |                |         |         | 4x75A   |         | NWXY              | D              |
| 32                                                                   | C17        | 4           |                |         |         |         |         |                   |                |
| 32                                                                   | 22         | 54          | 54x10A         |         |         |         |         | NWXYZ             | A              |
| 32                                                                   | 31         | 31          | 31x10A         |         |         |         |         |                   |                |
| 32                                                                   | A55        | 55          | 55x10A         |         |         |         |         | NWXYZ             | A              |
| 32                                                                   | 68         | 16          | 12x10A         |         |         | 4x75A   |         |                   |                |
| 32                                                                   | 76         | 19          |                | 19x20A  |         |         |         | NWXYZ             | A              |
| 36                                                                   | 5          | 4           |                |         |         |         | 4x135A  | NXY               | A              |
| 36                                                                   | 7          | 47          | 40x10A         | 7x20A   |         |         | 4x135A  | NWXYZ             | A              |
| 36                                                                   | 10         | 48          | 48x10A         |         |         |         |         | NWXYZ             | A              |
| 36                                                                   | 11         | 48          | 48x10A         |         |         |         |         | -                 | A              |
| 36                                                                   | 12         | 48          | 48x10A         |         |         |         |         | -                 | A              |
| 36                                                                   | 16         | 47          | 40x10A         | 7x20A   |         |         |         | -                 | A              |
| 36                                                                   | 17         | 47          | 40x10A         | 7x20A   |         |         |         | -                 | A              |
| 36                                                                   | A22        | 22          |                | 22x20A  |         |         |         | NWXYZ             | D              |
| 36                                                                   | A48        | 48          | 48x10A         |         |         |         |         | NW                | Inst           |
| 36                                                                   | 54         | 39          | 31x10A         | 8x42A   |         |         |         | NW                | A              |
| 36                                                                   | D68        | 14          | 4x10A          |         | 10x42A  |         |         |                   |                |
| 36                                                                   | D78        | 14          | 4x10A          |         | 10x42A  |         |         |                   |                |
| 40                                                                   | 56         | 85          | 85x10A         |         |         |         |         | NWXYZ             | A              |
| 40                                                                   | A5         | 5           |                |         |         |         | 5x135A  | NWZ               | A              |
| 40                                                                   | D6         | 6           | 3x10A          |         |         |         | 3x135A  |                   |                |
| 40                                                                   | 9          | 47          | 24x10A         | 22x20A  | 1x42A   |         |         |                   |                |
| 40                                                                   | D21        | 21          |                | 20x20A  | 1x42A   |         |         | NW                | D              |
| 40                                                                   | A31        | 31          |                | 31x20A  |         |         |         | NWXYZ             | D              |
| 40                                                                   | A35        | 35          |                | 35x20A  |         |         |         | NWXYZ             | D              |
| 40                                                                   | A38        | 38          |                | 38x20A  |         |         |         | NWXYZ             | A              |
| 40                                                                   | A60        | 60          | 60x10A         |         |         |         |         | NWXYZ             | A              |
| 40                                                                   | E4         | 4           |                |         |         |         | 4x135A  | NWX               | E              |
| 49                                                                   | D1         | 49          | 44x10A         |         |         | 5xCoax  |         | NW                | D              |
| 49                                                                   | A4         | 4           |                |         |         |         | 4x135A  | NW                | D              |
| 49                                                                   | D4         | 4           |                | 2x20A   |         |         |         |                   |                |
| 49                                                                   | A10        | 10          |                | 4x20A   |         |         | 6x135A  | NWX               | D              |
| 49                                                                   | A12        | 12          |                |         | 5x42A   | 7x75A   |         | NW                | D              |
| 49                                                                   | D32        | 32          |                | 26x20A  | 2x42A   | 4xCoax  |         | NW                | D              |
| 49                                                                   | A49        | 49          | 38x10A         | 4x20A   | 5x42A   | 2xCoax  |         | NW                | D              |
| 49                                                                   | A57        | 57          |                | 54x20A  |         |         |         |                   |                |
| 49                                                                   | A68        | 68          |                | 68x20A  |         |         |         |                   |                |
| 49                                                                   | D68        | 68          | 10x10A         | 57x20A  |         |         |         |                   |                |
| 49                                                                   | 74         | 74          | 74x10A         |         |         |         |         |                   |                |
| 49                                                                   | D75        | 75          | 73x10A         |         |         |         |         |                   |                |
| 49                                                                   | A76        | 76          |                | 76x20A  |         |         |         |                   |                |
| 49                                                                   | A95        | 95          | 95x10A         |         |         |         |         |                   |                |

### \*Contact Arrangements/Service Ratings

32-7 Contacts A,B,H,J = Inst

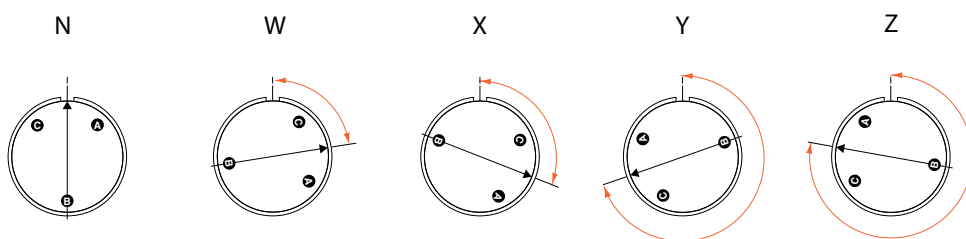
Balance = A

## View on Mating Face of Pin Inserts



| Contact Arrangement | Angular Displacement Of Insert |        |         |          |         |
|---------------------|--------------------------------|--------|---------|----------|---------|
|                     | N Yellow                       | W Blue | X Green | Y Purple | Z White |
| 10SL-3              | 0                              |        |         |          |         |
| 10S-4               | 0                              |        |         |          |         |
| 14S-1               |                                |        |         |          |         |
| 14S-2               |                                |        |         |          |         |
| 14S-5               | 0                              |        | 110     |          |         |
| 14S-6               | 0                              | 90     |         |          |         |
| 14S-7               | 0                              | 90     | 180     | 270      |         |
| 14S-A7              |                                |        |         |          |         |
| 14S-9               | 0                              | 70     | 145     | 215      | 290     |
| 16S-1               | 0                              | 80     |         |          | 280     |
| 16S-5               | 0                              | 70     | 145     | 215      | 290     |
| 16S-8               | 0                              |        | 170     | 265      |         |
| 16-10               | 0                              | 90     | 180     | 270      |         |
| 18-1                | 0                              | 70     | 145     | 215      | 290     |
| 18-3                | 0                              | 35     | 110     | 250      | 325     |
| 18-4                |                                |        |         |          |         |
| 18-9                |                                |        |         |          |         |
| 18-11               | 0                              |        | 170     | 265      |         |
| 18-12               | 0                              | 80     |         |          | 280     |
| 18-19               | 0                              |        | 120     | 240      |         |
| 18-22               |                                |        |         |          |         |
| 20-3                | 0                              | 70     | 145     | 215      | 290     |
| 20-4                | 0                              | 45     | 110     | 250      |         |
| 20-7                | 0                              | 80     | 110     | 250      | 280     |
| 20-8                |                                |        |         |          |         |
| 20-A9               | 0                              |        | 110     | 250      |         |
| 20-11               |                                |        |         |          |         |
| 20-14               |                                |        |         |          |         |
| 20-15               | 0                              | 80     |         |          | 280     |
| 20-16               | 0                              | 80     | 110     | 250      | 280     |
| 20-18               | 0                              | 35     | 110     | 250      | 325     |
| 20-19               |                                |        |         |          |         |
| 20-23               |                                |        |         |          |         |
| 20-27               | 0                              | 35     | 110     | 250      | 325     |
| 20-29               | 0                              | 80     |         |          | 280     |
| 20-33               | 0                              |        |         |          | 280     |
| 20-A48              | 0                              |        | 80      | 280      |         |
| 22-1                |                                |        |         |          |         |
| 22-2                | 0                              | 70     | 145     | 215      | 290     |
| 22-7                |                                |        |         |          |         |
| 22-14               | 0                              | 80     | 110     | 250      | 280     |
| 22-18               | 0                              | 80     | 110     | 250      | 280     |
| 22-19               | 0                              | 80     | 110     | 250      | 280     |
| 22-22               |                                |        |         |          |         |
| 22-23               | 0                              | 35     |         | 250      |         |
| 24-1                | 0                              | 80     |         |          | 280     |
| 24-5                |                                |        |         |          |         |
| 24-7                | 0                              | 80     | 110     | 250      | 280     |
| 24-9                |                                |        |         |          |         |
| 24-10               | 0                              | 80     |         |          | 280     |
| 24-11               | 0                              | 35     | 110     | 250      | 325     |
| 24-12               |                                |        |         |          |         |
| 24-22               | 0                              | 45     | 110     | 250      |         |
| 24-A25              | 0                              | 80     | 110     | 250      | 280     |
| 24-27               | 0                              | 80     |         |          | 280     |
| 24-28               | 0                              | 80     | 110     | 250      | 280     |
| 24-67               | 0                              | 80     |         |          | 335     |

## View on Mating Face of Pin Inserts

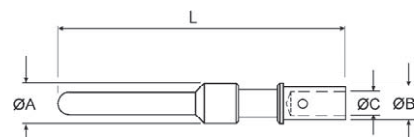


| Contact Arrangement | Angular Displacement Of Insert |        |         |          |         |
|---------------------|--------------------------------|--------|---------|----------|---------|
|                     | N Yellow                       | W Blue | X Green | Y Purple | Z White |
| 28-1                |                                |        |         |          |         |
| 28-C1               |                                |        |         |          |         |
| 28-T2               |                                |        |         |          |         |
| 28-3                |                                |        |         |          |         |
| 28-6                |                                |        |         |          |         |
| 28-8                |                                |        |         |          |         |
| 28-T9               |                                |        |         |          |         |
| 28-10               |                                |        |         |          |         |
| 28-11               | 0                              | 80     | 110     | 250      | 280     |
| 28-12               | 0                              | 90     | 180     | 270      |         |
| 28-13               | 0                              |        |         |          |         |
| 28-15               | 0                              | 80     | 110     | 250      | 280     |
| 28-16               | 0                              | 80     | 110     | 250      | 280     |
| 28-20               | 0                              | 80     | 110     | 250      | 280     |
| 28-21               | 0                              | 80     | 110     | 250      | 280     |
| 28-22               | 0                              | 70     | 145     | 215      | 290     |
| 28-A9               | 0                              | 110    | 250     | 260      | 280     |
| 32-5                |                                |        |         |          |         |
| 32-6                |                                |        |         |          |         |
| 32-7                | 0                              | 80     | 125     | 235      | 280     |
| 32-A13              | 0                              | 65     | 130     | 230      | 295     |
| 32-17               | 0                              | 45     | 110     | 250      |         |
| 32-C17              |                                |        |         |          |         |
| 32-22               | 0                              | 80     | 110     | 250      | 280     |
| 32-31               |                                |        |         |          |         |
| 32-A55              | 0                              | 80     | 110     | 250      | 280     |
| 32-68               |                                |        |         |          |         |
| 32-76               | 0                              | 80     | 110     | 250      | 280     |
| 36-5                | 0                              |        | 120     | 240      |         |
| 36-7                | 0                              | 80     | 110     | 250      | 280     |
| 36-10               | 0                              | 80     | 125     | 235      | 280     |
| 36-11               | 0                              |        |         |          |         |
| 36-12               | 0                              |        |         |          |         |
| 36-16               | 0                              |        |         |          |         |
| 36-17               | 0                              |        |         |          |         |
| 36-A22              | 0                              | 80     | 110     | 250      | 280     |
| 36A48               | 0                              | 65     |         |          |         |
| 36-54               | 0                              | 67     |         |          |         |
| 36-D68              |                                |        |         |          |         |
| 40-56               | 0                              | 72     | 144     | 216      | 288     |
| 40-A5               | 0                              | 33     |         |          | 270     |
| 40-D6               |                                |        |         |          |         |
| 40-9                |                                |        |         |          |         |
| 40-D21              | 0                              | 80     |         |          |         |
| 40-A31              | 0                              | 80     | 110     | 250      | 280     |
| 40-A35              | 0                              | 70     | 130     | 230      | 290     |
| 40-A38              | 0                              | 37     | 74      | 285      | 322     |
| 40-A60              | 0                              | 80     | 110     | 250      | 280     |
| 40-E4               | 0                              | 45     | 110     |          |         |
| 49-D1               | 0                              | 80     |         |          |         |
| 49-A4               | 0                              | 80     |         |          |         |
| 49-D4               |                                |        |         |          |         |
| 49-A10              | 0                              | 80     | 150     |          |         |
| 49-A12              | 0                              | 80     |         |          |         |
| 49-D32              | 0                              |        |         |          |         |
| 49-A49              | 0                              | 80     |         |          |         |
| 49-57               |                                |        |         |          |         |
| 49-A68              |                                |        |         |          |         |
| 49-D68              |                                |        |         |          |         |
| 49-74               |                                |        |         |          |         |
| 49-D75              |                                |        |         |          |         |
| 49-A76              |                                |        |         |          |         |
| 49-A95              |                                |        |         |          |         |

# F80 CRIMP CONTACTS PIN

Metric  
Imperial

For standard gold plating, add P3 to the end of the part number.

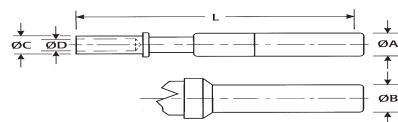


| Contact Size<br>AWG (Metric) | Part Number       | A                     | B                     | C                     | Conductor<br>CSA mm <sup>2</sup> | L                     |
|------------------------------|-------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-----------------------|
| <b>16S/20</b>                | CIRB16S/20KPKF80  | 3,20<br><b>0.126</b>  | 2,65<br><b>0.104</b>  | 1,10<br><b>0.043</b>  | 0,50/0,60                        | 26,60<br><b>1.047</b> |
| <b>16S/18</b>                | CIRB16S/18KPKF80  | 3,20<br><b>0.126</b>  | 2,30<br><b>0.091</b>  | 1,25<br><b>0.049</b>  | 0,75/0,93                        | 26,60<br><b>1.047</b> |
| <b>16S</b> (15S)             | CIRB16SKPKF80     | 3,20<br><b>0.126</b>  | 2,75<br><b>0.108</b>  | 1,75<br><b>0.069</b>  | 0,93/1,50                        | 26,60<br><b>1.047</b> |
| <b>16S/14</b>                | CIRB16S/14KPKF80  | 3,20<br><b>0.126</b>  | 2,90<br><b>0.114</b>  | 1,80<br><b>0.071</b>  | 1,94/2,08                        | 26,60<br><b>1.047</b> |
| <b>16/22</b>                 | CIRB16/22KPKF80   | 3,20<br><b>0.126</b>  | 2,30<br><b>0.091</b>  | 0,90<br><b>0.035</b>  | 0,22/0,34                        | 31,75<br><b>1.250</b> |
| <b>16/20</b>                 | CIRB16/20KPKF80   | 3,20<br><b>0.126</b>  | 2,65<br><b>0.104</b>  | 1,10<br><b>0.043</b>  | 0,50/0,75                        | 31,75<br><b>1.250</b> |
| <b>16/18</b>                 | CIRB16/18KPKF80   | 3,20<br><b>0.126</b>  | 2,30<br><b>0.091</b>  | 1,25<br><b>0.049</b>  | 0,75/0,93                        | 31,75<br><b>1.250</b> |
| <b>16</b> (15)               | CIRB16KPKF80      | 3,20<br><b>0.126</b>  | 2,75<br><b>0.108</b>  | 1,75<br><b>0.069</b>  | 0,93/1,50                        | 31,75<br><b>1.250</b> |
| <b>16/14</b>                 | CIRB16/14KPKF80   | 3,20<br><b>0.126</b>  | 2,90<br><b>0.114</b>  | 1,80<br><b>0.071</b>  | 1,94/2,08                        | 31,75<br><b>1.250</b> |
| <b>16/12</b>                 | CIRB16/12KPKF80   | 3,20<br><b>0.126</b>  | 3,80<br><b>0.150</b>  | 2,50<br><b>0.098</b>  | 2,50/3,00                        | 31,75<br><b>1.250</b> |
| <b>12/20</b>                 | CIRB12/20KPKF80   | 4,80<br><b>0.189</b>  | 2,65<br><b>0.104</b>  | 1,10<br><b>0.043</b>  | 0,50/0,60                        | 37,50<br><b>1.476</b> |
| <b>12/18</b>                 | CIRB12/18KPKF80   | 4,80<br><b>0.189</b>  | 2,30<br><b>0.091</b>  | 1,25<br><b>0.049</b>  | 0,75/0,93                        | 37,50<br><b>1.476</b> |
| <b>12/16</b> (25/15)         | CIRB12/16KPKF80   | 4,80<br><b>0.189</b>  | 2,75<br><b>0.108</b>  | 1,75<br><b>0.069</b>  | 0,93/1,50                        | 37,50<br><b>1.476</b> |
| <b>12/14</b>                 | CIRB12/14KPKF80   | 4,80<br><b>0.189</b>  | 2,90<br><b>0.114</b>  | 1,80<br><b>0.071</b>  | 1,94/2,08                        | 37,50<br><b>1.476</b> |
| <b>12</b> (25)               | CIRB12KPKF80      | 4,80<br><b>0.189</b>  | 3,80<br><b>0.150</b>  | 2,50<br><b>0.098</b>  | 2,50/3,00                        | 37,50<br><b>1.476</b> |
| <b>12/10</b>                 | CIRB12/10KPKF80   | 4,80<br><b>0.189</b>  | 4,40<br><b>0.173</b>  | 3,00<br><b>0.118</b>  | 5,53                             | 37,50<br><b>1.476</b> |
| <b>12/40</b> (25/40)         | CIRB12/40KPKF80   | 4,80<br><b>0.189</b>  | 4,00<br><b>0.157</b>  | 2,70<br><b>0.106</b>  | 4,00                             | 37,50<br><b>1.476</b> |
| <b>8/40</b> (100/40)         | CIRB8/40KPKF80    | 7,80<br><b>0.307</b>  | 5,20<br><b>0.205</b>  | 2,90<br><b>0.114</b>  | 4,00                             | 40,70<br><b>1.602</b> |
| <b>8/12</b>                  | CIRB8/12KPKF80    | 7,80<br><b>0.307</b>  | 3,80<br><b>0.150</b>  | 2,50<br><b>0.098</b>  | 2,50                             | 40,70<br><b>1.602</b> |
| <b>8/10</b>                  | CIRB8/10KPKF80    | 7,80<br><b>0.307</b>  | 5,20<br><b>0.205</b>  | 3,30<br><b>0.130</b>  | 5,53                             | 40,70<br><b>1.602</b> |
| <b>8</b>                     | CIRB8KPKF80       | 7,80<br><b>0.307</b>  | 6,80<br><b>0.268</b>  | 4,55<br><b>0.179</b>  | 9,00                             | 40,70<br><b>1.602</b> |
| (100/60)                     | CIRB100/60KPKF80  | 7,80<br><b>0.307</b>  | 5,50<br><b>0.217</b>  | 3,40<br><b>0.134</b>  | 6,00                             | 40,70<br><b>1.602</b> |
| (100)                        | CIRB100KPKF80     | 7,80<br><b>0.307</b>  | 7,00<br><b>0.276</b>  | 4,40<br><b>0.173</b>  | 10,00                            | 40,70<br><b>1.602</b> |
| <b>4/10</b>                  | CIRB4/10KPKF80    | 11,00<br><b>0.433</b> | 5,20<br><b>0.205</b>  | 3,30<br><b>0.130</b>  | 553                              | 41,25<br><b>1.624</b> |
| <b>4</b>                     | CIRB4KPKF80       | 11,00<br><b>0.433</b> | 9,55<br><b>0.376</b>  | 7,10<br><b>0.280</b>  | 22,00                            | 41,25<br><b>1.624</b> |
| (160)                        | CIRB160KPKF80     | 11,00<br><b>0.433</b> | 9,45<br><b>0.372</b>  | 5,70<br><b>0.224</b>  | 16,00                            | 41,25<br><b>1.624</b> |
| <b>0</b>                     | CIRB0KPKF80       | 15,00<br><b>0.591</b> | 14,35<br><b>0.565</b> | 11,50<br><b>0.453</b> | 53,0                             | 44,50<br><b>1.752</b> |
| (500/160)                    | CIRB500/160KPKF80 | 15,00<br><b>0.591</b> | 9,45<br><b>0.372</b>  | 5,70<br><b>0.224</b>  | 16,00                            | 44,50<br><b>1.752</b> |
| (500/250)                    | CIRB500/250KPKF80 | 15,00<br><b>0.591</b> | 10,00<br><b>0.394</b> | 7,00<br><b>0.276</b>  | 25,00                            | 44,50<br><b>1.752</b> |
| (500/350)                    | CIRB500/350KPKF80 | 15,00<br><b>0.591</b> | 11,90<br><b>0.468</b> | 8,00<br><b>0.315</b>  | 35,00                            | 44,50<br><b>1.752</b> |
| (500)                        | CIRB500KPKF80     | 15,00<br><b>0.591</b> | 14,35<br><b>0.565</b> | 9,80<br><b>0.386</b>  | 50,00                            | 44,50<br><b>1.752</b> |

## F80 CRIMP CONTACTS SOCKET

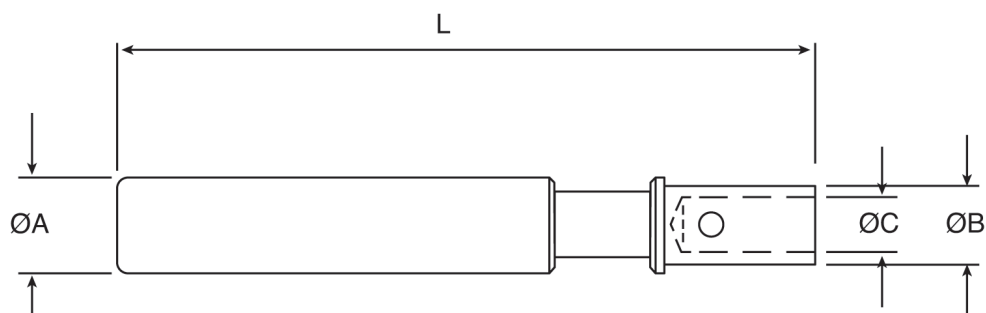
Metric  
Imperial

For standard gold plating, add P3 to the end of the part number.



| Contact Size<br>AWG (Metric) | Part Number       | A                     | B                     | C                     | D                     | Conductor<br>CSA mm <sup>2</sup> | L                     |
|------------------------------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-----------------------|
| <b>16S/20</b>                | CIRB16S/20KSKF80  | 3,20<br><b>0.126</b>  | -                     | 2,65<br><b>0.104</b>  | 1,10<br><b>0.049</b>  | 0,50/0,60                        | 26,60<br><b>1.047</b> |
| <b>16S/18</b>                | CIRB16S/18KSKF80  | 3,20<br><b>0.126</b>  | -                     | 2,30<br><b>0.091</b>  | 1,25<br><b>0.069</b>  | 0,75/0,93                        | 26,60<br><b>1.047</b> |
| <b>16S (15S)</b>             | CIRB16SKSKF80     | 3,20<br><b>0.126</b>  | -                     | 2,75<br><b>0.108</b>  | 1,75<br><b>0.069</b>  | 0,93/1,50                        | 26,60<br><b>1.047</b> |
| <b>16S/14</b>                | CIRB16S/14KSKF80  | 3,20<br><b>0.126</b>  | -                     | 3,90<br><b>0.114</b>  | 1,80<br><b>0.071</b>  | 1,94/2,08                        | 26,60<br><b>1.047</b> |
| <b>16/22</b>                 | CIRB16/22KSKF80   | 3,20<br><b>0.126</b>  | -                     | 2,30<br><b>0.091</b>  | 0,90<br><b>0.035</b>  | 0,22/0,34                        | 36,50<br><b>1.437</b> |
| <b>16/20</b>                 | CIRB16/20KSKF80   | 3,20<br><b>0.126</b>  | -                     | 2,65<br><b>0.104</b>  | 1,10<br><b>0.049</b>  | 0,50/0,75                        | 36,50<br><b>1.437</b> |
| <b>16/18</b>                 | CIRB16/18KSKF80   | 3,20<br><b>0.126</b>  | -                     | 2,30<br><b>0.091</b>  | 1,25<br><b>0.049</b>  | 0,75/0,93                        | 36,50<br><b>1.437</b> |
| <b>16 (15)</b>               | CIRB16KSKF80      | 3,20<br><b>0.126</b>  | -                     | 2,75<br><b>0.108</b>  | 1,75<br><b>0.07</b>   | 0,93/1,50                        | 36,50<br><b>1.437</b> |
| <b>16/14</b>                 | CIRB16/14KSKF80   | 3,20<br><b>0.126</b>  | -                     | 2,90<br><b>0.114</b>  | 1,80<br><b>0.071</b>  | 1,94/2,08                        | 36,50<br><b>1.437</b> |
| <b>16/12</b>                 | CIRB16/12KSKF80   | 3,20<br><b>0.126</b>  | -                     | 3,80<br><b>0.150</b>  | 2,50<br><b>0.098</b>  | 2,50/3,00                        | 36,50<br><b>1.476</b> |
| <b>12/20</b>                 | CIRB12/20KSKF80   | 4,80<br><b>0.189</b>  | -                     | 2,65<br><b>0.104</b>  | 1,10<br><b>0.049</b>  | 0,50/0,60                        | 37,50<br><b>1.476</b> |
| <b>12/18</b>                 | CIRB12/18KSKF80   | 4,80<br><b>0.189</b>  | -                     | 2,30<br><b>0.091</b>  | 1,25<br><b>0.049</b>  | 0,75/0,93                        | 37,50<br><b>1.476</b> |
| <b>12/16 (25/15)</b>         | CIRB12/16KSKF80   | 4,80<br><b>0.189</b>  | -                     | 2,75<br><b>0.108</b>  | 1,75<br><b>0.069</b>  | 0,93/1,50                        | 37,50<br><b>1.476</b> |
| <b>12/14</b>                 | CIRB12/14KSKF80   | 4,80<br><b>0.189</b>  | -                     | 2,90<br><b>0.114</b>  | 1,80<br><b>0.071</b>  | 1,94/2,08                        | 37,50<br><b>1.476</b> |
| <b>12 (25)</b>               | CIRB12KSKF80      | 4,80<br><b>0.189</b>  | -                     | 3,80<br><b>0.150</b>  | 2,50<br><b>0.098</b>  | 2,50/3,00                        | 37,50<br><b>1.476</b> |
| <b>12/10</b>                 | CIRB1210KSKF80    | 4,80<br><b>0.189</b>  | -                     | 4,40<br><b>0.173</b>  | 3,00<br><b>0.118</b>  | 5,53                             | 37,50<br><b>1.476</b> |
| <b>12/40 (25/40)</b>         | CIRB12/40KSKF80   | 4,80<br><b>0.189</b>  | -                     | 4,00<br><b>0.157</b>  | 2,70<br><b>0.106</b>  | 4,00                             | 37,50<br><b>1.476</b> |
| <b>8/40</b>                  | CIRB8/40KSKF80    | 7,80<br><b>0.307</b>  | 6,50<br><b>0.256</b>  | 5,20<br><b>0.204</b>  | 2,90<br><b>0.114</b>  | 4,00                             | 40,70<br><b>1.602</b> |
| <b>8/12</b>                  | CIRB8/12KSKF80    | 7,80<br><b>0.307</b>  | 6,50<br><b>0.256</b>  | 3,80<br><b>0.150</b>  | 2,50<br><b>0.098</b>  | 2,50/3,00                        | 40,70<br><b>1.602</b> |
| <b>8/10</b>                  | CIRB8/10KSKF80    | 7,80<br><b>0.307</b>  | 6,50<br><b>0.256</b>  | 4,40<br><b>0.173</b>  | 3,00<br><b>0.118</b>  | 5,53                             | 40,70<br><b>1.602</b> |
| <b>8</b>                     | CIRB8KSKF80       | 7,80<br><b>0.307</b>  | 6,50<br><b>0.256</b>  | 6,80<br><b>0.268</b>  | 4,55<br><b>0.179</b>  | 9,00                             | 40,70<br><b>1.602</b> |
| (100/60)                     | CIRB100/60KSKF80  | 7,80<br><b>0.307</b>  | 6,50<br><b>0.256</b>  | 5,50<br><b>0.217</b>  | 3,40<br><b>0.134</b>  | 6,00                             | 40,70<br><b>1.602</b> |
| (100)                        | CIRB100KSKF80     | 7,80<br><b>0.307</b>  | 6,50<br><b>0.256</b>  | 7,00<br><b>0.276</b>  | 4,40<br><b>0.173</b>  | 10,00                            | 40,70<br><b>1.602</b> |
| <b>4/10</b>                  | CIRB4/10KSKF80    | 11,10<br><b>0.437</b> | 6,50<br><b>0.256</b>  | 5,20<br><b>0.205</b>  | 3,30<br><b>0.130</b>  | 5,53                             | 41,25<br><b>1.624</b> |
| <b>4</b>                     | CIRB4KSKF80       | 11,10<br><b>0.437</b> | 8,60<br><b>0.339</b>  | 9,55<br><b>0.376</b>  | 7,10<br><b>0.280</b>  | 22,00                            | 41,25<br><b>1.624</b> |
| (160)                        | CIRB160KSKF80     | 11,10<br><b>0.437</b> | 8,60<br><b>0.339</b>  | 9,45<br><b>0.372</b>  | 5,70<br><b>0.224</b>  | 16,00                            | 41,25<br><b>1.624</b> |
| <b>0</b>                     | CIRB0KSKF80       | 15,10<br><b>0.594</b> | 13,20<br><b>0.520</b> | 14,35<br><b>0.565</b> | 11,50<br><b>0.453</b> | 53,00                            | 44,50<br><b>1.752</b> |
| (500/160)                    | CIRB500/160KSKF80 | 15,10<br><b>0.594</b> | 13,20<br><b>0.520</b> | 9,45<br><b>0.372</b>  | 5,70<br><b>0.224</b>  | 16,00                            | 44,50<br><b>1.752</b> |
| (500/250)                    | CIRB500/250KSKF80 | 15,10<br><b>0.594</b> | 13,20<br><b>0.520</b> | 10,00<br><b>0.394</b> | 7,00<br><b>0.276</b>  | 25,00                            | 44,50<br><b>1.752</b> |
| (500/350)                    | CIRB500/350KPKF80 | 15,10<br><b>0.594</b> | 13,20<br><b>0.520</b> | 11,90<br><b>0.469</b> | 8,00<br><b>0.315</b>  | 35,00                            | 44,50<br><b>1.752</b> |
| (500)                        | CIRB500KPKF80     | 15,10<br><b>0.594</b> | 13,20<br><b>0.520</b> | 14,35<br><b>0.565</b> | 9,80<br><b>0.386</b>  | 50,00                            | 44,50<br><b>1.752</b> |

# F80 CRIMP CONTACTS LOW INSERTION FORCE SOCKET

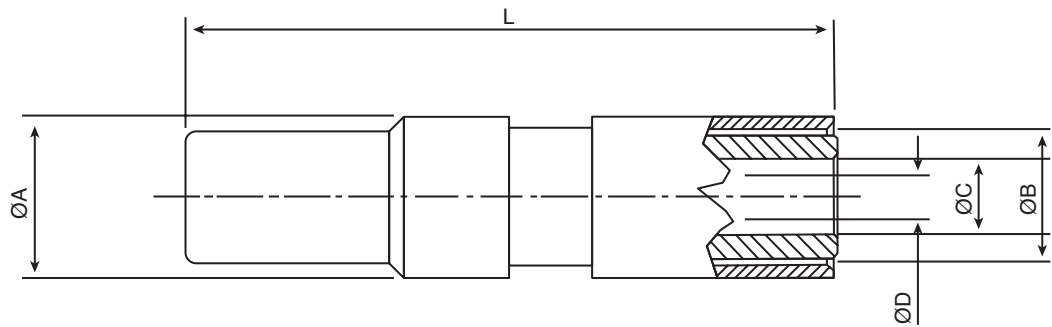


Metric  
Imperial

Standard finish = gold plated.

| Contact Size<br>AWG (Metric) | Part Number       | A                    | B                     | C                    | Conductor<br>CSA mm <sup>2</sup> | L                     |
|------------------------------|-------------------|----------------------|-----------------------|----------------------|----------------------------------|-----------------------|
| <b>16S</b><br>(15S)          | CIRB16SKLKF80P3   | 3,20<br><b>0.126</b> | 2,75<br><b>0.108</b>  | 1,75<br><b>0.069</b> | 1,00/1,50                        | 26,60<br><b>1.047</b> |
| <b>16/22</b>                 | CIRB16/22KLKF80P3 | 3,20<br><b>0.126</b> | 2,30<br><b>0.091</b>  | 0,90<br><b>0.035</b> | 0,22/0,34                        | 36,50<br><b>1.437</b> |
| <b>16/20</b>                 | CIRB16/20KLKF80P3 | 3,20<br><b>0.126</b> | 2,65<br><b>0.104</b>  | 1,10<br><b>0.043</b> | 0,50/0,60                        | 36,50<br><b>1.437</b> |
| <b>16/18</b>                 | CIRB16/18KLKF80P3 | 3,20<br><b>0.126</b> | 2,30<br><b>0.091</b>  | 1,25<br><b>0.049</b> | 0,75/0,93                        | 36,50<br><b>1.437</b> |
| <b>16</b><br>(15)            | CIRB16KLKF80P3    | 3,20<br><b>0.126</b> | 2,75<br><b>0.108</b>  | 1,75<br><b>0.069</b> | 1,00/1,50                        | 36,50<br><b>1.437</b> |
| <b>16/14</b>                 | CIRB16/14KLKF80P3 | 3,20<br><b>0.126</b> | 2,90<br><b>0.114</b>  | 1,80<br><b>0.071</b> | 1,94/2,08                        | 36,50<br><b>1.437</b> |
| <b>16/12</b>                 | CIRB16/12KLKF80P3 | 3,20<br><b>0.126</b> | 3,80<br><b>0.150</b>  | 2,50<br><b>0.098</b> | 2,50/3,00                        | 36,50<br><b>1.437</b> |
| <b>12/40</b><br>(25/40)      | CIRB12/40KLKF80P3 | 4,80<br><b>0.189</b> | 4,00<br><b>0.157</b>  | 2,70<br><b>0.106</b> | 4,00                             | 37,50<br><b>1.476</b> |
| <b>12/20</b>                 | CIRB12/20KLKF80P3 | 4,80<br><b>0.189</b> | 2,65<br><b>0.104</b>  | 1,10<br><b>0.043</b> | 0,50/0,60                        | 37,50<br><b>1.476</b> |
| <b>12/18</b>                 | CIRB12/18KLKF80P3 | 4,80<br><b>0.189</b> | 2,30<br><b>0.091</b>  | 1,25<br><b>0.049</b> | 0,75/0,93                        | 37,50<br><b>1.476</b> |
| <b>12/16</b>                 | CIRB12/16KLKF80P3 | 4,80<br><b>0.189</b> | 2,75<br><b>0.108</b>  | 1,75<br><b>0.069</b> | 1,00/1,50                        | 37,50<br><b>1.476</b> |
| <b>12/10</b>                 | CIRB12/10KLKF80P3 | 4,80<br><b>0.189</b> | 4,40<br><b>0.175</b>  | 3,00<br><b>0.118</b> | 5,53                             | 37,50<br><b>1.476</b> |
| <b>12</b><br>(25)            | CIRB12KLKF80P3    | 4,80<br><b>0.189</b> | 3,80<br><b>0.1508</b> | 2,50<br><b>0.098</b> | 2,50/3,00                        | 37,50<br><b>1.476</b> |

Pin Contact

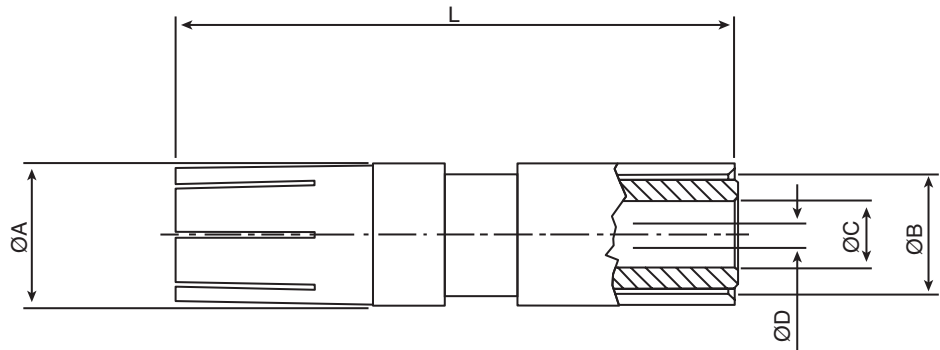


Metric  
Imperial

**\* Important Note.**  
Consult TE for suitable contact arrangement details.

| Contact Size<br>AWG* | Part Number            | A              | B             | C             | D             | L              | Use With<br>Conductors |
|----------------------|------------------------|----------------|---------------|---------------|---------------|----------------|------------------------|
| 4                    | CIRB 4 CKPK F80 P1 001 | 11,10<br>0.437 | 9,80<br>0.386 | 5,20<br>0.205 | 1,07<br>0.042 | 44,70<br>1.760 | 0.5 mm <sup>2</sup>    |
| 4                    | CIRB 4 CKPK F80 P1 002 | 11,10<br>0.437 | 9,80<br>0.386 | 7,50<br>0.295 | 1,75<br>0.069 | 44,70<br>1.760 | 1.0 mm <sup>2</sup>    |

Socket Contact

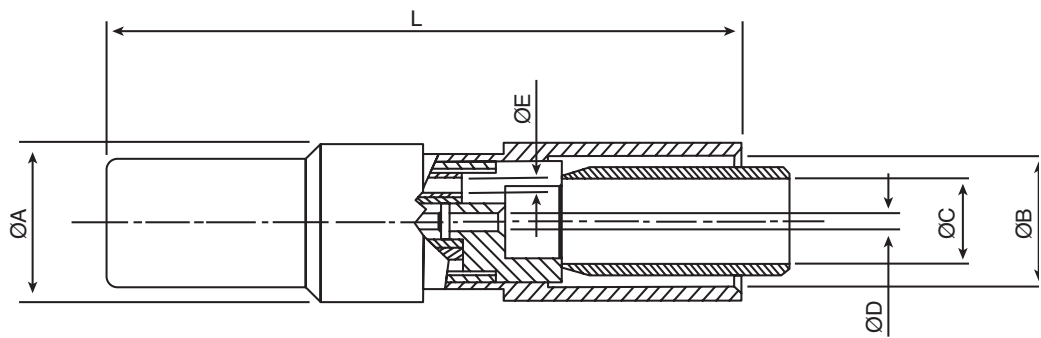


Metric  
Imperial

**\* Important Note.**  
Consult TE for suitable contact arrangement details.

| Contact Size<br>AWG* | Part Number            | A              | B             | C             | D             | L              | Use With<br>Conductors |
|----------------------|------------------------|----------------|---------------|---------------|---------------|----------------|------------------------|
| 4                    | CIRB 4 CKSK F80 P1 001 | 11,10<br>0.437 | 9,80<br>0.386 | 5,20<br>0.205 | 1,07<br>0.042 | 43,05<br>1.695 | 0.5 mm <sup>2</sup>    |
| 4                    | CIRB 4 CKSK F80 P1 002 | 11,10<br>0.437 | 9,80<br>0.386 | 7,50<br>0.295 | 1,75<br>0.069 | 43,05<br>1.695 | 1.0 mm <sup>2</sup>    |

Pin Contact

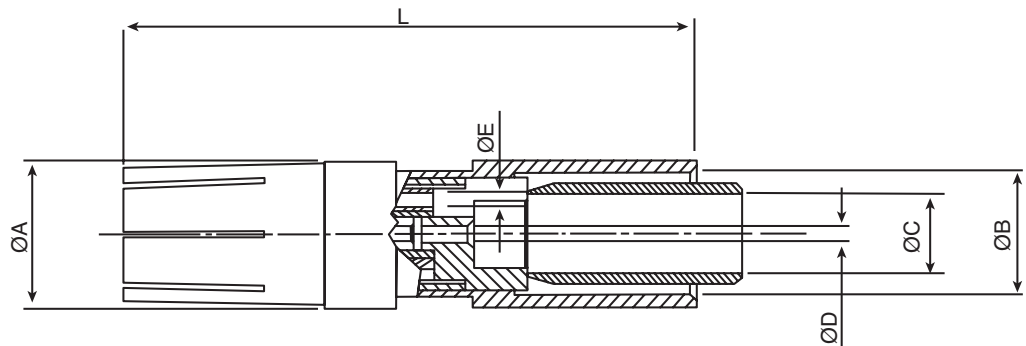


Metric  
Imperial

**\* Important Note.**  
Consult TE for suitable contact arrangement details.

| Contact Size<br>AWG* | Part Number            | A              | B             | C             | D             | E             | L              | Use With<br>Conductors                      |
|----------------------|------------------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------------------------------------|
| 4                    | CIRB 4 TKPK F80 P1     | 11,10<br>0.437 | 9,80<br>0.386 | 6,00<br>0.236 | 1,07<br>0.042 | 1,05<br>0.041 | 44,70<br>1.760 | 0.5 mm <sup>2</sup><br>0.6 mm <sup>2</sup>  |
| 4                    | CIRB 4 TKPK F80 P1 001 | 11,10<br>0.437 | 9,80<br>0.386 | 6,50<br>0.256 | 1,30<br>0.051 | 1,30<br>0.051 | 44,70<br>1.760 | 0.75 mm <sup>2</sup><br>1.0 mm <sup>2</sup> |

Socket Contact

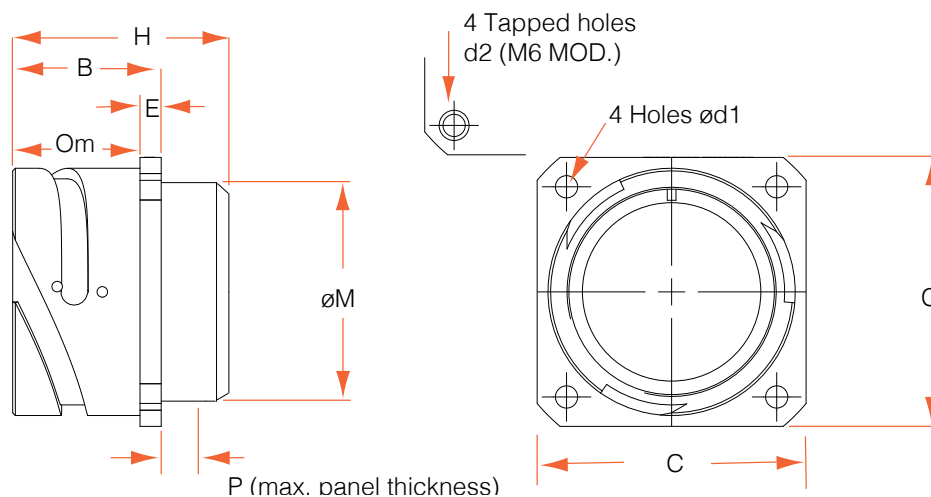


Metric  
Imperial

**\* Important Note.**  
Consult TE for suitable contact arrangement details.

| Contact Size<br>AWG* | Part Number            | A              | B             | C             | D             | E             | L              | Use With<br>Conductors                      |
|----------------------|------------------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------------------------------------|
| 4                    | CIRB 4 TSKF F80 P1     | 11,10<br>0.437 | 9,80<br>0.386 | 6,00<br>0.236 | 1,07<br>0.042 | 1,05<br>0.041 | 43,05<br>1.695 | 0.5 mm <sup>2</sup><br>0.6 mm <sup>2</sup>  |
| 4                    | CIRB 4 TSKF F80 P1 001 | 11,10<br>0.437 | 9,80<br>0.386 | 6,50<br>0.256 | 1,30<br>0.051 | 1,30<br>0.051 | 43,05<br>1.695 | 0.75 mm <sup>2</sup><br>1.0 mm <sup>2</sup> |

**SQUARE FLANGE RECEPTACLE  
FRONT MOUNTING (NO ACCESSORY THREAD)  
STYLE: CIRH00A/CIRH00A...M6**

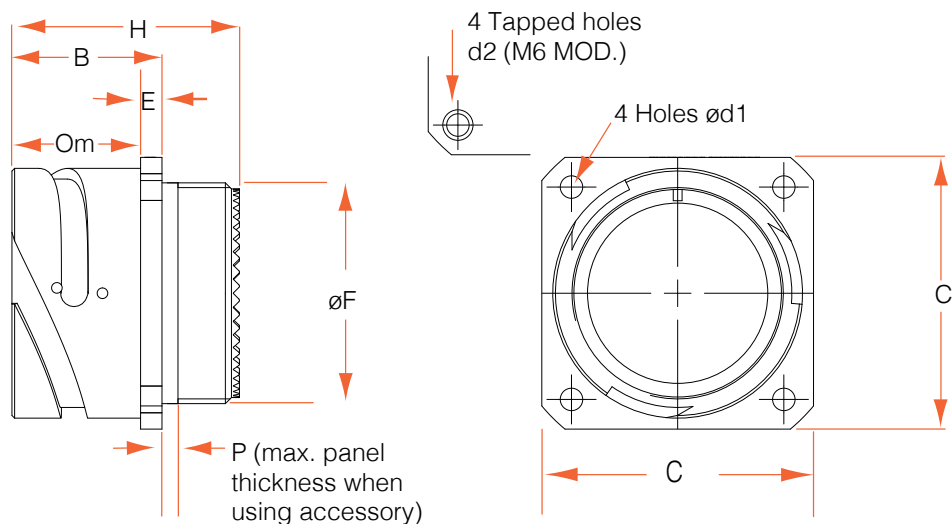


Metric  
Imperial

See page 90 for panel mounting details.

| Shell Size  | B Max                 | C Max                 | d1<br>+0,2 -0<br>+0.008-0 | d2 Thread           | E Max                | M Max                 | H Max                 | Om Min Overlap Mated  |
|-------------|-----------------------|-----------------------|---------------------------|---------------------|----------------------|-----------------------|-----------------------|-----------------------|
| <b>10SL</b> | 17,60<br><b>0.693</b> | 25,70<br><b>1.012</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,00<br><b>0.118</b> | 16,10<br><b>0.634</b> | 25,00<br><b>0.98</b>  | 11,10<br><b>0.437</b> |
| <b>14S</b>  | 18,00<br><b>0.709</b> | 30,30<br><b>1.193</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | 19,20<br><b>0.756</b> | 25,00<br><b>0.98</b>  | 11,10<br><b>0.437</b> |
| <b>16S</b>  | 18,00<br><b>0.709</b> | 32,80<br><b>1.291</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | 22,40<br><b>0.882</b> | 25,00<br><b>0.98</b>  | 11,10<br><b>0.437</b> |
| <b>16</b>   | 22,80<br><b>0.898</b> | 32,80<br><b>1.291</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | 22,40<br><b>0.882</b> | 32,85<br><b>1.293</b> | 15,85<br><b>0.624</b> |
| <b>18</b>   | 23,60<br><b>0.929</b> | 35,30<br><b>1.390</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 25,60<br><b>1.008</b> | 32,85<br><b>1.293</b> | 15,85<br><b>0.624</b> |
| <b>20</b>   | 23,60<br><b>0.929</b> | 38,30<br><b>1.508</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 29,00<br><b>1.142</b> | 32,85<br><b>1.293</b> | 15,85<br><b>0.624</b> |
| <b>22</b>   | 23,60<br><b>0.929</b> | 41,30<br><b>1.626</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 31,90<br><b>1.256</b> | 32,85<br><b>1.293</b> | 15,75<br><b>0.620</b> |
| <b>24</b>   | 25,20<br><b>0.992</b> | 44,80<br><b>1.764</b> | 3,70<br><b>0.146</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 35,00<br><b>1.378</b> | 32,85<br><b>1.293</b> | 15,75<br><b>0.620</b> |
| <b>28</b>   | 25,20<br><b>0.992</b> | 51,10<br><b>2.012</b> | 3,70<br><b>0.146</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 41,40<br><b>1.630</b> | 32,85<br><b>1.293</b> | 15,75<br><b>0.620</b> |
| <b>32</b>   | 26,80<br><b>1.055</b> | 57,30<br><b>2.256</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 47,80<br><b>1.882</b> | 32,85<br><b>1.293</b> | 15,75<br><b>0.620</b> |
| <b>36</b>   | 26,80<br><b>1.055</b> | 63,80<br><b>2.512</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 52,60<br><b>2.071</b> | 32,85<br><b>1.293</b> | 15,75<br><b>0.620</b> |
| <b>40</b>   | 26,80<br><b>1.055</b> | 70,20<br><b>2.764</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 59,00<br><b>2.323</b> | 32,85<br><b>1.293</b> | 15,75<br><b>0.620</b> |

**SQUARE FLANGE RECEPTACLE  
FRONT MOUNTING  
STYLE: CIRHOOT/CIRHOOT...M6**

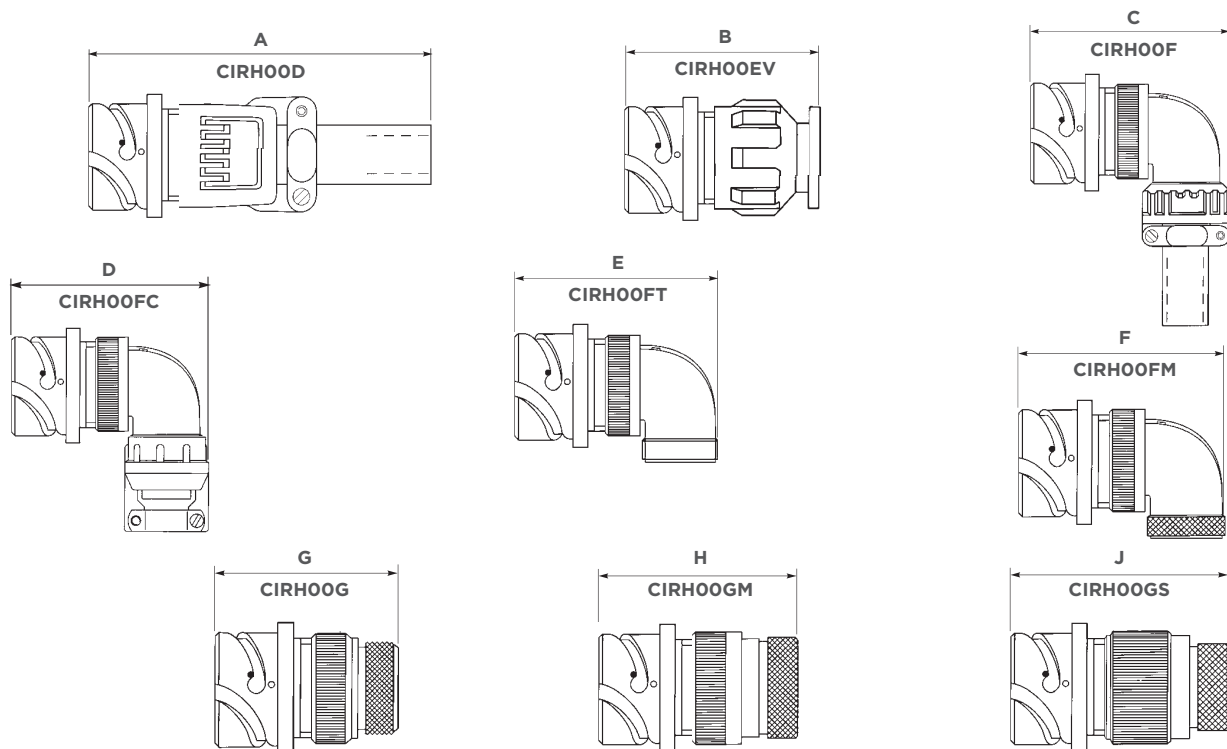


Metric  
Imperial

See page 90 for panel mounting details.

| Shell Size | B Max                 | C Max                 | d1<br>+0,2 -0<br>+0.008-0 | d2 Thread           | E Max                | F Thread<br>Dia. Class 2A  | H Max                 | P                    | Om Min<br>Overlap<br>Mated |
|------------|-----------------------|-----------------------|---------------------------|---------------------|----------------------|----------------------------|-----------------------|----------------------|----------------------------|
| 10SL       | 17,60<br><b>0.693</b> | 25,70<br><b>1.012</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,00<br><b>0.118</b> | $\frac{5}{8}$ " x 24 UNEF  | 28,78<br><b>1.133</b> | 3,30<br><b>0.130</b> | 11,10<br><b>0.437</b>      |
| 14S        | 18,00<br><b>0.709</b> | 30,30<br><b>1.193</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | $\frac{3}{4}$ " x 20 UNEF  | 28,78<br><b>1.133</b> | 3,30<br><b>0.130</b> | 11,10<br><b>0.437</b>      |
| 16S        | 18,00<br><b>0.709</b> | 32,80<br><b>1.291</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | $\frac{7}{8}$ " x 20 UNEF  | 28,78<br><b>1.133</b> | 3,30<br><b>0.130</b> | 11,10<br><b>0.437</b>      |
| 16         | 22,80<br><b>0.898</b> | 32,80<br><b>1.291</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | $\frac{7}{8}$ " x 20 UNEF  | 36,30<br><b>1.429</b> | 3,30<br><b>0.130</b> | 15,85<br><b>0.624</b>      |
| 18         | 23,60<br><b>0.929</b> | 35,30<br><b>1.390</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 1" x 20 UNEF               | 36,30<br><b>1.429</b> | 3,30<br><b>0.130</b> | 15,85<br><b>0.624</b>      |
| 20         | 23,60<br><b>0.929</b> | 38,30<br><b>1.508</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | $1\frac{1}{8}$ " x 18 UNEF | 36,30<br><b>1.429</b> | 3,30<br><b>0.130</b> | 15,85<br><b>0.624</b>      |
| 22         | 23,60<br><b>0.929</b> | 41,30<br><b>1.626</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | $1\frac{1}{4}$ " x 18 UNEF | 36,30<br><b>1.429</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 24         | 25,20<br><b>0.992</b> | 44,80<br><b>1.764</b> | 3,70<br><b>0.146</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | $1\frac{3}{8}$ " x 18 UNEF | 36,30<br><b>1.429</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 28         | 25,20<br><b>0.992</b> | 51,10<br><b>2.012</b> | 3,70<br><b>0.146</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | $1\frac{5}{8}$ " x 18 UNEF | 36,30<br><b>1.429</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 32         | 26,80<br><b>1.055</b> | 57,30<br><b>2.256</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | $1\frac{7}{8}$ " x 16 UN   | 36,30<br><b>1.429</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 36         | 26,80<br><b>1.055</b> | 63,80<br><b>2.512</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | $2\frac{1}{16}$ " x 16 UNS | 36,30<br><b>1.429</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 40         | 26,80<br><b>1.055</b> | 70,20<br><b>2.764</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | $2\frac{5}{16}$ " x 16 UN  | 36,30<br><b>1.429</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |

# CIRH '00' STYLE CONNECTOR & ACCESSORY

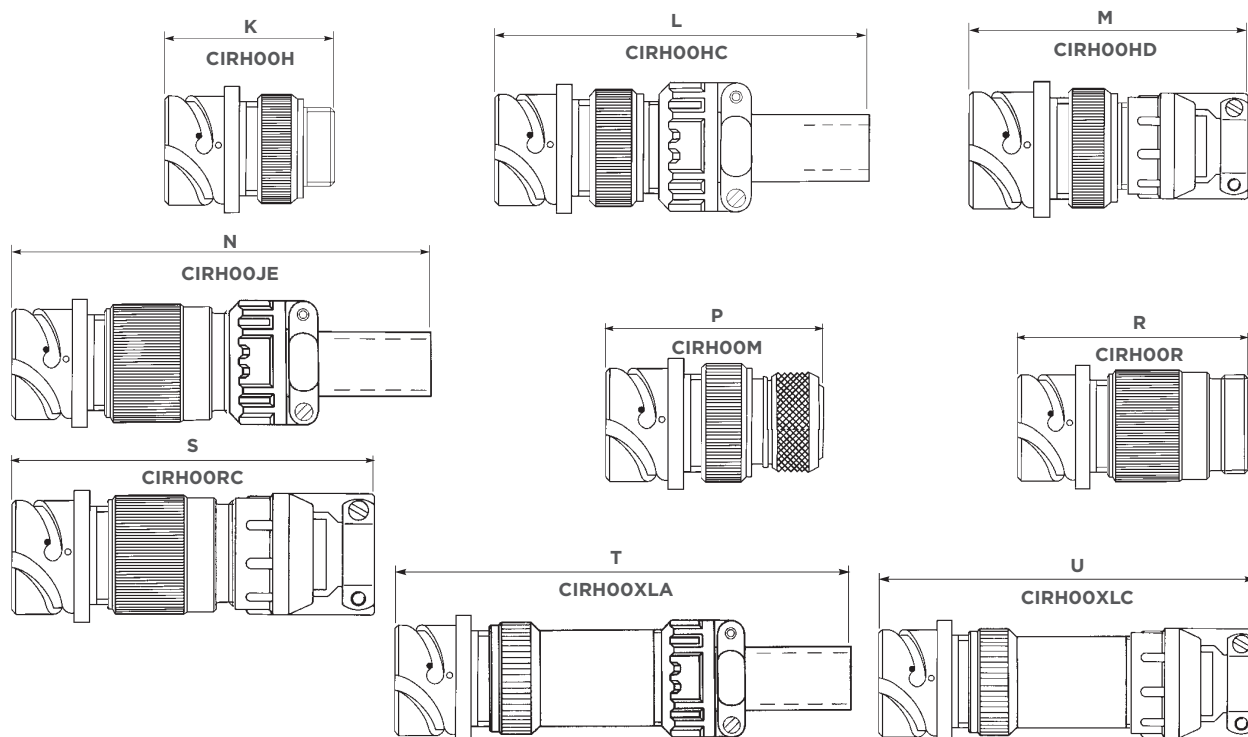


Metric  
Imperial

| Shell Size | A               | B              | C               | D               | E               | F               | G              | H              | J              |
|------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|
| 10SL       | 109,00<br>4.291 | 44,00<br>1.732 | 57,00<br>2.244  | 58,00<br>2.283  | 54,00<br>2.126  | 54,00<br>2.126  | 49,00<br>1.929 | 53,00<br>2.087 | *              |
| 14S        | 107,00<br>4.213 | 44,00<br>1.732 | 61,00<br>2.402  | 60,00<br>2.362  | 56,00<br>2.205  | 56,00<br>2.205  | 49,00<br>1.929 | 53,00<br>2.087 | *              |
| 16S        | 104,00<br>4.094 | 44,00<br>1.732 | 64,00<br>2.520  | 64,00<br>2.520  | 60,00<br>2.362  | 60,00<br>2.362  | 49,00<br>1.929 | 53,00<br>2.087 | *              |
| 16         | 111,00<br>4.370 | 54,00<br>2.126 | 71,00<br>2.795  | 71,00<br>2.795  | 67,00<br>2.638  | 67,00<br>2.638  | 57,00<br>2.244 | 65,00<br>2.559 | *              |
| 18         | 115,00<br>4.528 | 54,00<br>2.126 | 76,00<br>2.992  | 76,00<br>2.992  | 72,00<br>2.835  | 72,00<br>2.835  | 59,00<br>2.323 | 65,00<br>2.559 | 74,00<br>2.913 |
| 20         | 114,00<br>4.488 | 54,00<br>2.126 | 81,00<br>3.189  | 82,00<br>3.228  | 77,00<br>3.031  | 77,00<br>3.031  | 60,00<br>2.362 | 68,00<br>2.677 | 80,00<br>3.150 |
| 22         | 114,00<br>4.488 | 54,00<br>2.126 | 81,00<br>3.189  | 82,00<br>3.228  | 77,00<br>3.031  | 77,00<br>3.031  | 63,00<br>2.480 | 68,00<br>2.677 | 80,00<br>3.150 |
| 24         | 109,00<br>4.291 | 54,00<br>2.126 | 89,00<br>3.504  | 89,00<br>3.504  | 85,00<br>3.346  | 85,00<br>3.346  | 60,00<br>2.362 | 68,00<br>2.677 | 80,00<br>3.150 |
| 28         | 119,00<br>4.685 | 54,00<br>2.126 | 88,00<br>3.465  | 89,00<br>3.504  | 85,00<br>3.346  | 85,00<br>3.346  | 63,00<br>2.480 | 67,00<br>2.638 | 81,00<br>3.189 |
| 32         | 115,00<br>4.528 | 54,00<br>2.126 | 98,00<br>3.858  | 101,00<br>3.976 | 95,00<br>3.740  | 95,00<br>3.740  | 61,00<br>2.402 | 67,00<br>2.638 | 80,00<br>3.189 |
| 36         | 112,00<br>4.409 | 54,00<br>2.126 | 104,00<br>4.094 | 105,00<br>4.134 | 101,00<br>3.976 | 101,00<br>3.976 | 67,00<br>2.638 | 68,00<br>2.677 | 80,00<br>3.189 |
| 40         | N/A             | 54,00<br>2.126 | 111,00<br>4.370 | 112,00<br>4.409 | 107,00<br>4.213 | 107,00<br>4.213 | 68,00<br>2.677 | 68,00<br>2.677 | 80,00<br>3.189 |

\* Please consult TE for availability.

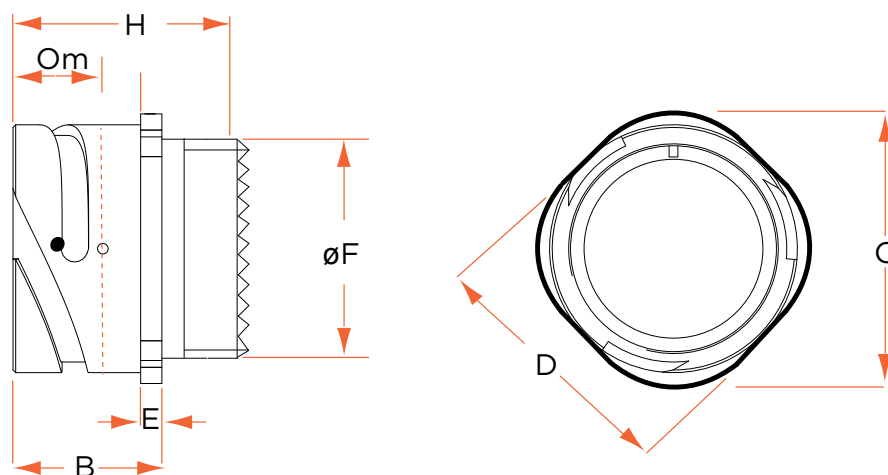
# CIRH '00' STYLE CONNECTOR & ACCESSORY CONT.



Metric  
Imperial

| Shell Size | K              | L               | M               | N               | P              | R              | S               | T               | U               |
|------------|----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|
| 10SL       | 50,00<br>1.969 | 122,00<br>4.803 | 81,00<br>3.189  | 121,00<br>4.764 | 53,00<br>2.087 | 51,00<br>2.008 | 82,00<br>3.228  | 140,00<br>5.512 | 101,00<br>3.976 |
| 14S        | 50,00<br>1.969 | 118,00<br>4.646 | 81,00<br>3.189  | 118,00<br>4.646 | 56,00<br>2.205 | 51,00<br>2.008 | 82,00<br>3.228  | 137,00<br>5.394 | 101,00<br>3.976 |
| 16S        | 50,00<br>1.969 | 120,00<br>4.724 | 81,00<br>3.189  | 115,00<br>4.528 | 56,00<br>2.205 | 51,00<br>2.008 | 82,00<br>3.228  | 134,00<br>5.276 | 101,00<br>3.976 |
| 16         | 57,00<br>2.244 | 123,00<br>4.843 | 88,00<br>3.465  | 124,00<br>4.882 | 63,00<br>2.480 | 60,00<br>2.362 | 91,00<br>3.583  | 152,00<br>5.984 | 121,00<br>4.764 |
| 18         | 59,00<br>2.323 | 124,00<br>4.882 | 92,00<br>3.622  | 126,00<br>4.961 | 66,00<br>2.598 | 66,00<br>2.598 | 99,00<br>3.898  | 148,00<br>5.827 | 121,00<br>4.764 |
| 20         | 59,00<br>2.323 | 120,00<br>4.724 | 92,00<br>3.622  | 123,00<br>4.843 | 66,00<br>2.598 | 66,00<br>2.598 | 99,00<br>3.898  | 145,00<br>5.709 | 121,00<br>4.764 |
| 22         | 59,00<br>2.323 | 120,00<br>4.724 | 92,00<br>3.622  | 123,00<br>4.843 | 66,00<br>2.598 | 66,00<br>2.598 | 99,00<br>3.898  | 145,00<br>5.709 | 121,00<br>4.764 |
| 24         | 59,00<br>2.323 | 107,00<br>4.213 | 95,00<br>3.740  | 123,00<br>4.843 | 66,00<br>2.598 | 69,00<br>2.716 | 105,00<br>4.134 | 142,00<br>5.591 | 124,00<br>4.882 |
| 28         | 59,00<br>2.323 | 107,00<br>4.213 | 95,00<br>3.740  | 124,00<br>4.882 | 65,00<br>2.559 | 70,00<br>2.756 | 106,00<br>4.173 | 149,00<br>5.866 | 131,00<br>5.157 |
| 32         | 58,00<br>2.283 | 106,00<br>4.173 | 100,00<br>3.937 | 120,00<br>4.724 | 65,00<br>2.559 | 69,00<br>2.716 | 111,00<br>4.370 | 146,00<br>5.748 | 137,00<br>5.394 |
| 36         | 58,00<br>2.283 | 106,00<br>4.173 | 107,00<br>4.213 | 117,00<br>4.606 | 65,00<br>2.559 | 69,00<br>2.716 | 117,00<br>4.606 | 143,00<br>5.630 | 144,00<br>5.669 |
| 40         | 58,00<br>2.283 | 103,00<br>4.055 | 107,00<br>4.213 | 114,00<br>4.488 | 65,00<br>2.559 | 70,00<br>2.756 | 112,00<br>4.409 | 140,00<br>5.512 | 144,00<br>5.669 |

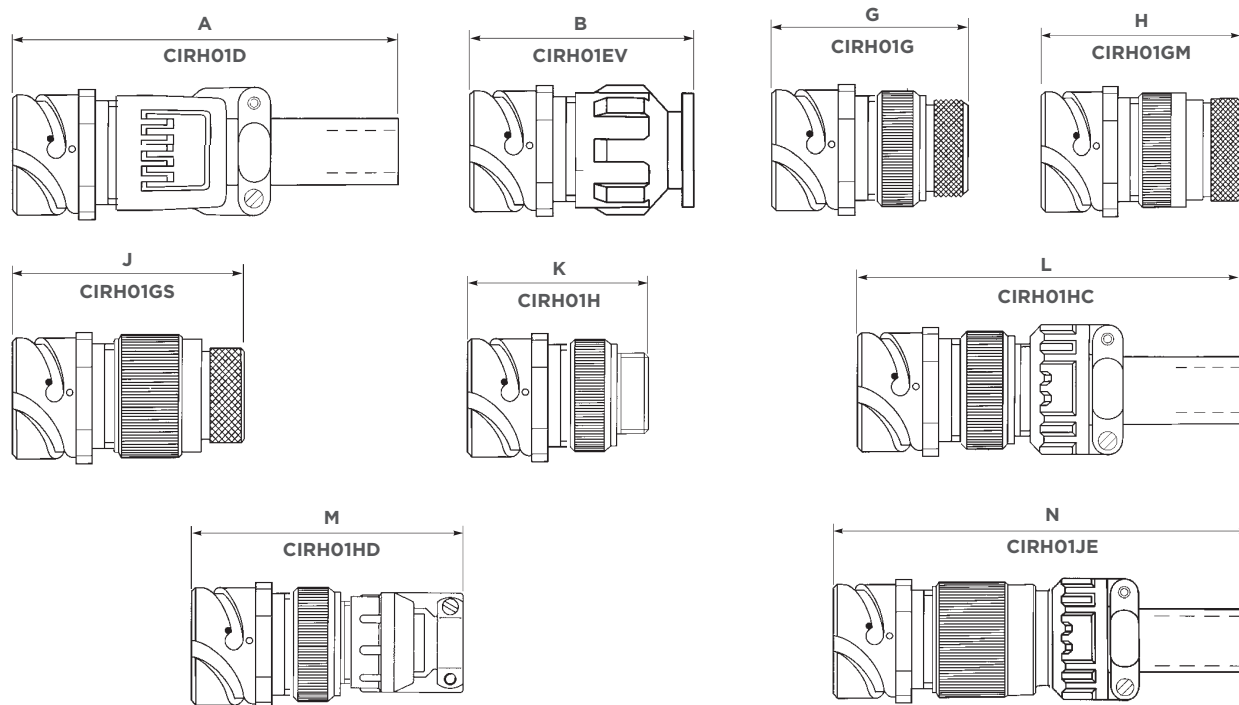
# CABLE MOUNTED RECEPTACLE STYLE: CIRH01T



Metric  
Imperial

| Shell Size | B Max          | C Max          | D Max          | E Max         | F Thread Dia. Class 2A      | H Max          | Om Min Overlap Mated |
|------------|----------------|----------------|----------------|---------------|-----------------------------|----------------|----------------------|
| 10SL       | 17,60<br>0.693 | 25,20<br>0.992 | 20,80<br>0.819 | 3,00<br>0.118 | $\frac{5}{8}$ " x 24 UNEF   | 28,78<br>1.133 | 11,10<br>0.437       |
| 14S        | 18,00<br>0.709 | 29,80<br>1.173 | 25,60<br>1.008 | 3,40<br>0.134 | $\frac{3}{4}$ " x 20 UNEF   | 28,78<br>1.133 | 11,10<br>0.437       |
| 16S        | 18,00<br>0.709 | 32,30<br>1.272 | 28,80<br>1.134 | 3,40<br>0.134 | $\frac{7}{8}$ " x 20 UNEF   | 28,78<br>1.133 | 11,10<br>0.437       |
| 16         | 22,80<br>0.898 | 32,30<br>1.272 | 28,80<br>1.134 | 3,40<br>0.134 | $\frac{7}{8}$ " x 20 UNEF   | 36,30<br>1.429 | 15,85<br>0.624       |
| 18         | 23,60<br>0.929 | 34,80<br>1.370 | 31,90<br>1.256 | 4,20<br>0.165 | 1" x 20 UNEF                | 36,30<br>1.429 | 15,85<br>0.624       |
| 20         | 23,60<br>0.929 | 37,80<br>1.488 | 35,10<br>1.382 | 4,20<br>0.165 | 1 $\frac{1}{8}$ " x 18 UNEF | 36,30<br>1.429 | 15,85<br>0.624       |
| 22         | 23,60<br>0.929 | 41,10<br>1.618 | 38,30<br>1.508 | 4,20<br>0.165 | 1 $\frac{1}{4}$ " x 18 UNEF | 36,30<br>1.429 | 15,75<br>0.620       |
| 24         | 25,20<br>0.992 | 44,60<br>1.756 | 41,50<br>1.634 | 4,20<br>0.165 | 1 $\frac{3}{8}$ " x 18 UNEF | 36,30<br>1.429 | 15,75<br>0.620       |
| 28         | 25,20<br>0.992 | 50,90<br>2.004 | 47,80<br>1.882 | 4,20<br>0.165 | 1 $\frac{5}{8}$ " x 18 UNEF | 36,30<br>1.429 | 15,75<br>0.620       |
| 32         | 26,80<br>1.055 | 57,10<br>2.248 | 54,20<br>2.134 | 4,20<br>0.165 | 1 $\frac{7}{8}$ " x 16 UN   | 36,30<br>1.429 | 15,75<br>0.620       |
| 36         | 26,80<br>1.055 | 63,80<br>2.512 | 60,80<br>2.394 | 4,20<br>0.165 | 2 $\frac{1}{16}$ " x 16 UNS | 36,30<br>1.429 | 15,75<br>0.620       |
| 40         | 26,80<br>1.055 | 70,00<br>2.756 | 66,70<br>2.626 | 4,20<br>0.165 | 2 $\frac{5}{16}$ " x 16 UN  | 36,30<br>1.429 | 15,75<br>0.620       |

# CIRH '01' STYLE CONNECTOR & ACCESSORY

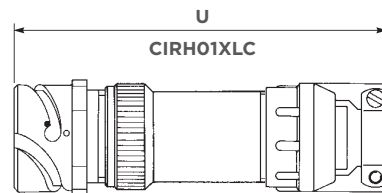
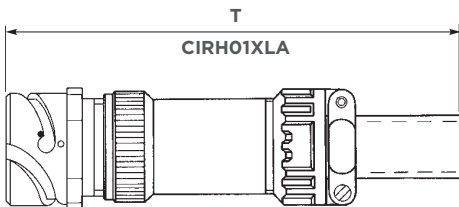
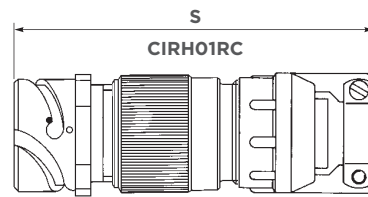
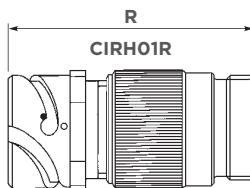
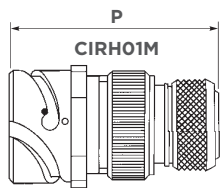


Metric  
Imperial

| Shell Size | A               | B              | G              | H              | J              | K              | L               | M               | N               |
|------------|-----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| 10SL       | 109,00<br>4.291 | 44,00<br>1.732 | 49,00<br>1.929 | 53,00<br>2.087 | *              | 50,00<br>1.696 | 122,00<br>4.803 | 81,00<br>3.189  | 121,00<br>4.764 |
| 14S        | 107,00<br>4.213 | 44,00<br>1.732 | 49,00<br>1.929 | 53,00<br>2.087 | *              | 50,00<br>1.969 | 118,00<br>4.646 | 81,00<br>3.189  | 118,00<br>4.646 |
| 16S        | 104,00<br>4.094 | 44,00<br>1.732 | 49,00<br>1.929 | 53,00<br>2.087 | *              | 50,00<br>1.969 | 120,00<br>4.724 | 81,00<br>3.189  | 115,00<br>4.528 |
| 16         | 111,00<br>4.370 | 54,00<br>2.126 | 57,00<br>2.244 | 65,00<br>2.559 | *              | 57,00<br>2.244 | 123,00<br>4.843 | 88,00<br>3.465  | 124,00<br>4.882 |
| 18         | 115,00<br>4.528 | 54,00<br>2.126 | 59,00<br>2.323 | 65,00<br>2.559 | 74,00<br>2.913 | 59,00<br>2.323 | 124,00<br>4.882 | 92,00<br>3.622  | 126,00<br>4.961 |
| 20         | 114,00<br>4.488 | 54,00<br>2.126 | 60,00<br>2.362 | 68,00<br>2.677 | 80,00<br>3.150 | 59,00<br>2.323 | 120,00<br>4.724 | 92,00<br>3.622  | 123,00<br>4.843 |
| 22         | 114,00<br>4.488 | 54,00<br>2.126 | 63,00<br>2.480 | 68,00<br>2.677 | 80,00<br>3.150 | 59,00<br>2.323 | 120,00<br>4.724 | 92,00<br>3.622  | 123,00<br>4.843 |
| 24         | 109,00<br>4.291 | 54,00<br>2.126 | 60,00<br>2.362 | 68,00<br>2.677 | 80,00<br>3.150 | 59,00<br>2.323 | 107,00<br>4.213 | 95,00<br>3.740  | 123,00<br>4.843 |
| 28         | 119,00<br>4.685 | 54,00<br>2.126 | 63,00<br>2.480 | 67,00<br>2.638 | 81,00<br>3.189 | 59,00<br>2.323 | 107,00<br>4.213 | 95,00<br>3.740  | 124,00<br>4.882 |
| 32         | 115,00<br>4.528 | 54,00<br>2.126 | 61,00<br>2.402 | 67,00<br>2.638 | 80,00<br>3.189 | 58,00<br>2.283 | 106,00<br>4.173 | 100,00<br>3.937 | 120,00<br>4.724 |
| 36         | 112,00<br>4.409 | 54,00<br>2.126 | 67,00<br>2.638 | 68,00<br>2.677 | 80,00<br>3.189 | 58,00<br>2.283 | 106,00<br>4.173 | 107,00<br>4.213 | 117,00<br>4.606 |
| 40         | N/A             | 54,00<br>2.126 | 68,00<br>2.677 | 68,00<br>2.677 | 80,00<br>3.189 | 58,00<br>2.283 | 103,00<br>4.055 | 107,00<br>4.213 | 114,00<br>4.488 |

\* Please consult TE for availability.

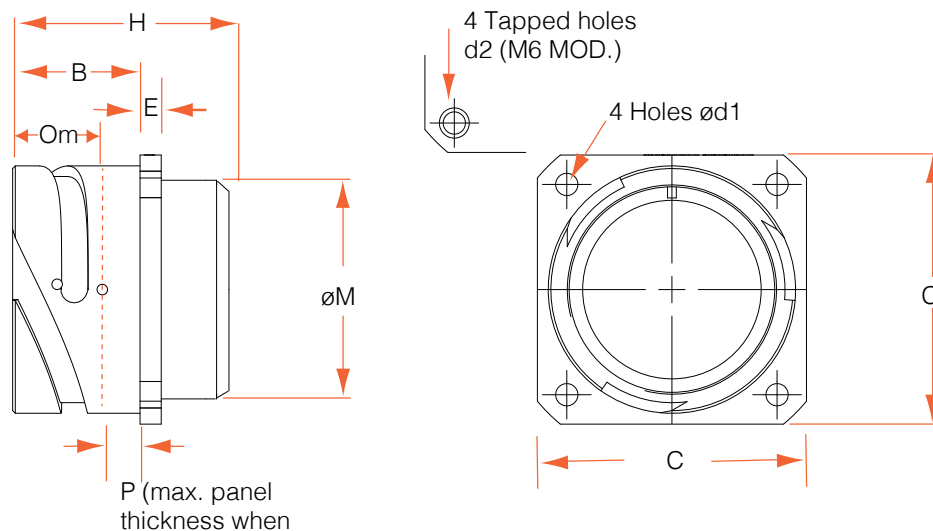
CIRH '01' STYLE  
CONNECTOR & ACCESSORY CONT.



Metric  
Imperial

| Shell Size | P              | R              | S               | T               | U               |
|------------|----------------|----------------|-----------------|-----------------|-----------------|
| 10SL       | 53,00<br>2.087 | 51,00<br>2.008 | 82,00<br>3.228  | 140,00<br>5.512 | 101,00<br>3.976 |
| 14S        | 56,00<br>2.205 | 51,00<br>2.008 | 82,00<br>3.228  | 137,00<br>5.394 | 101,00<br>3.976 |
| 16S        | 56,00<br>2.205 | 51,00<br>2.008 | 82,00<br>3.228  | 134,00<br>5.276 | 101,00<br>3.976 |
| 16         | 56,00<br>2.205 | 60,00<br>2.362 | 91,00<br>3.583  | 152,00<br>5.984 | 121,00<br>4.764 |
| 18         | 63,00<br>2.480 | 66,00<br>2.598 | 99,00<br>3.898  | 148,00<br>5.827 | 121,00<br>4.764 |
| 20         | 66,00<br>2.598 | 66,00<br>2.598 | 99,00<br>3.898  | 145,00<br>5.709 | 121,00<br>4.764 |
| 22         | 66,00<br>2.598 | 66,00<br>2.598 | 99,00<br>3.898  | 145,00<br>5.709 | 121,00<br>4.764 |
| 24         | 66,00<br>2.598 | 69,00<br>2.716 | 105,00<br>4.134 | 142,00<br>5.591 | 124,00<br>4.882 |
| 28         | 66,00<br>2.598 | 70,00<br>2.756 | 106,00<br>4.173 | 149,00<br>5.866 | 131,00<br>5.157 |
| 32         | 66,00<br>2.598 | 69,00<br>2.716 | 111,00<br>4.370 | 146,00<br>5.748 | 137,00<br>5.394 |
| 36         | 66,00<br>2.598 | 69,00<br>2.716 | 117,00<br>4.606 | 143,00<br>5.630 | 144,00<br>5.669 |
| 40         | 66,00<br>2.598 | 70,00<br>2.756 | 112,00<br>4.409 | 140,00<br>5.512 | 144,00<br>5.669 |

**SQUARE FLANGE RECEPTACLE  
REAR MOUNTING (NO ACCESSORY THREAD)  
STYLE: CIRH03A/CIRH03A...M6**



Metric  
Imperial

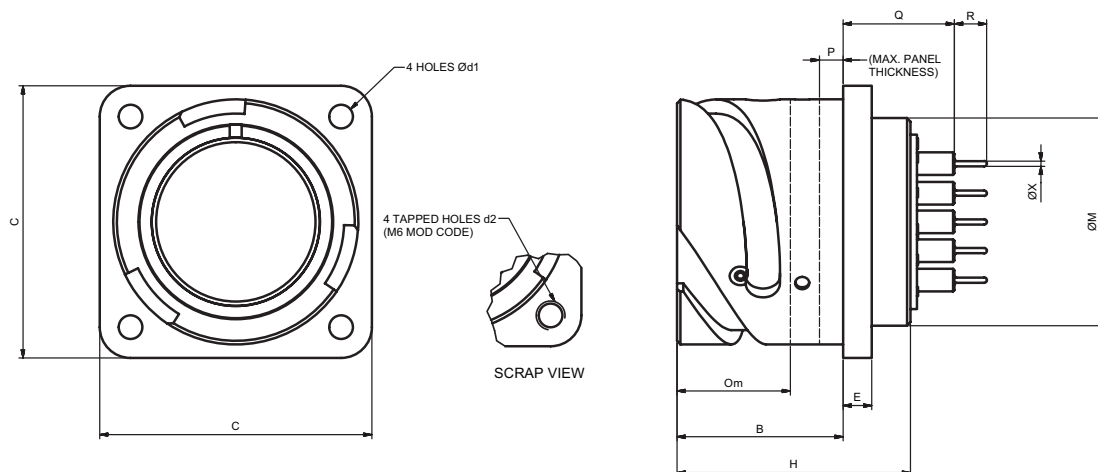
**Note:** Maximum panel thickness when using cap head screws.

When using countersunk screws, maximum panel thickness = 7.5 mm.

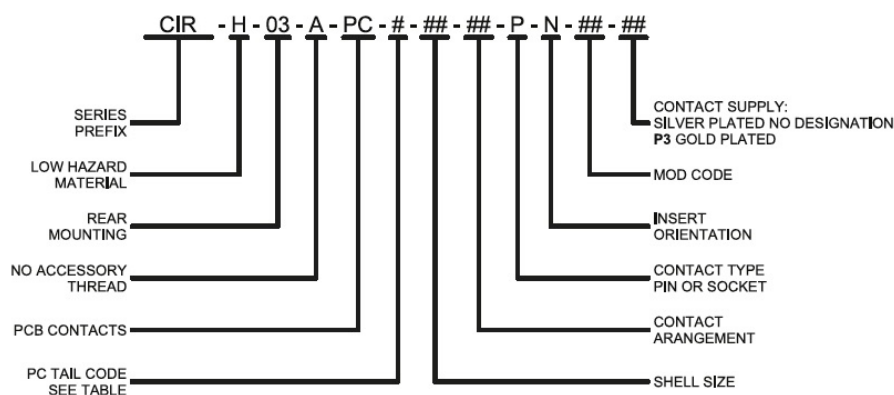
See page 90 for panel mounting details.

| Shell Size | B Max          | C Max          | d1<br>+0,2 -0<br>+0.008-0 | d2 Thread    | E Max         | M Max          | H Max         | P See Note    | Om Min Overlap Mated |
|------------|----------------|----------------|---------------------------|--------------|---------------|----------------|---------------|---------------|----------------------|
| 10SL       | 18,60<br>0.732 | 25,70<br>1.012 | 3,20<br>0.126             | M4<br>0,7-6H | 3,00<br>0.118 | 16,10<br>0.634 | 25,00<br>0.99 | 3,30<br>0.130 | 11,10<br>0.437       |
| 14S        | 18,60<br>0.732 | 30,30<br>1.193 | 3,20<br>0.126             | M4<br>0,7-6H | 3,40<br>0.134 | 19,20<br>0.756 | 25,00<br>0.99 | 3,30<br>0.130 | 11,10<br>0.437       |
| 16S        | 18,60<br>0.732 | 32,80<br>1.291 | 3,20<br>0.126             | M4<br>0,7-6H | 3,40<br>0.134 | 22,40<br>0.882 | 25,00<br>0.99 | 3,30<br>0.130 | 11,10<br>0.437       |
| 16         | 21,90<br>0.862 | 32,80<br>1.291 | 3,20<br>0.126             | M4<br>0,7-6H | 3,40<br>0.134 | 22,40<br>0.882 | 32,70<br>1.28 | 3,30<br>0.130 | 15,85<br>0.624       |
| 18         | 23,45<br>0.923 | 35,30<br>1.390 | 3,20<br>0.126             | M4<br>0,7-6H | 4,20<br>0.165 | 25,60<br>1.008 | 32,70<br>1.28 | 3,30<br>0.130 | 15,85<br>0.624       |
| 20         | 23,45<br>0.923 | 38,30<br>1.508 | 3,20<br>0.126             | M4<br>0,7-6H | 4,20<br>0.165 | 29,00<br>1.142 | 33,40<br>1.32 | 3,30<br>0.130 | 15,85<br>0.624       |
| 22         | 23,45<br>0.923 | 41,30<br>1.626 | 3,20<br>0.126             | M4<br>0,7-6H | 4,20<br>0.165 | 31,90<br>1.250 | 33,40<br>1.32 | 3,30<br>0.130 | 15,75<br>0.620       |
| 24         | 23,45<br>0.923 | 44,80<br>1.764 | 3,70<br>0.146             | M4<br>0,7-6H | 4,20<br>0.165 | 35,00<br>1.380 | 32,75<br>1.29 | 3,30<br>0.130 | 15,75<br>0.620       |
| 28         | 24,45<br>0.963 | 51,10<br>2.012 | 3,70<br>0.146             | M5<br>0,8-6H | 4,20<br>0.165 | 41,40<br>1.630 | 35,80<br>1.41 | 3,30<br>0.130 | 15,75<br>0.620       |
| 32         | 24,45<br>0.963 | 57,30<br>2.256 | 4,30<br>0.169             | M5<br>0,8-6H | 4,20<br>0.165 | 47,80<br>1.882 | 36,80<br>1.45 | 3,30<br>0.130 | 15,75<br>0.620       |
| 36         | 24,45<br>0.963 | 63,80<br>2.512 | 4,30<br>0.169             | M5<br>0,8-6H | 4,20<br>0.165 | 52,60<br>2.071 | 36,80<br>1.45 | 3,30<br>0.130 | 15,75<br>0.620       |
| 40         | 24,45<br>0.963 | 70,20<br>2.764 | 4,30<br>0.169             | M5<br>0,8-6H | 4,20<br>0.165 | 59,00<br>2.323 | 36,80<br>1.45 | 3,30<br>0.130 | 15,75<br>0.620       |

**SQUARE FLANGE RECEPTACLE WITH PCB CONTACTS**  
**REAR MOUNTING (NO ACCESSORY THREAD)**  
**STYLE: CIRH03APC#/CIRH03APC#...M6**



**PART NUMBER BREAKDOWN**



Metric  
Imperial

**Note:** Maximum panel thickness when using cap head screws.

When using countersunk screws, maximum panel thickness = 7.5 mm.

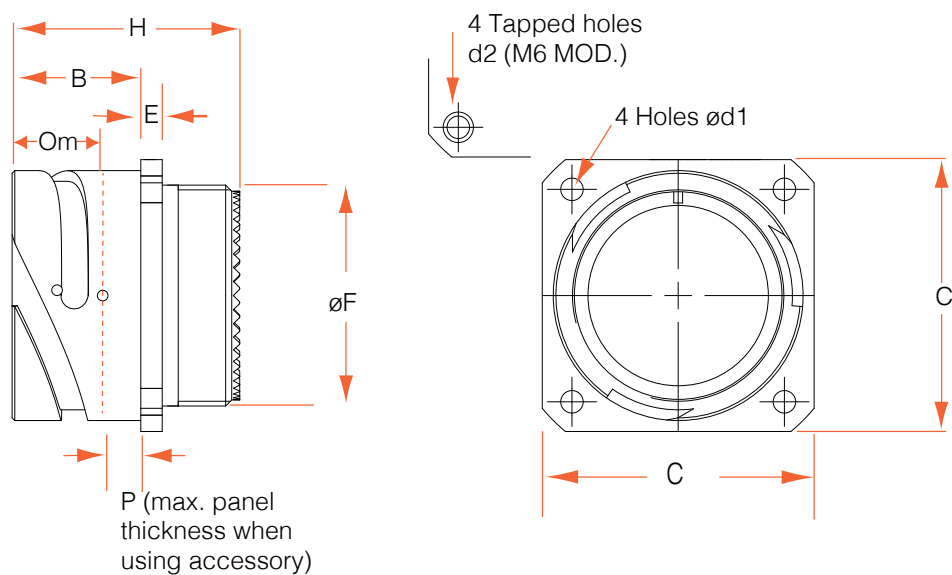
See page 90 for panel mounting details.

| Shell Size  | B Max                 | C Max                 | d1<br>+0,2 -0<br>+0.008-0 | d2<br>Thread        | E<br>Max             | M<br>Max              | H<br>Max              | P<br>See<br>Note     | Om Min<br>Overlap<br>Mated |
|-------------|-----------------------|-----------------------|---------------------------|---------------------|----------------------|-----------------------|-----------------------|----------------------|----------------------------|
| <b>10SL</b> | 18,60<br><b>0.732</b> | 25,70<br><b>1.012</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,00<br><b>0.118</b> | 16,10<br><b>0.634</b> | 25,00<br><b>0.990</b> | 3,30<br><b>0.130</b> | 11,10<br><b>0.437</b>      |
| <b>14S</b>  | 18,60<br><b>0.732</b> | 30,30<br><b>1.193</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | 19,20<br><b>0.756</b> | 25,00<br><b>0.990</b> | 3,30<br><b>0.130</b> | 11,10<br><b>0.437</b>      |
| <b>16S</b>  | 18,60<br><b>0.732</b> | 32,80<br><b>1.291</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | 22,40<br><b>0.882</b> | 25,00<br><b>0.990</b> | 3,30<br><b>0.130</b> | 11,10<br><b>0.437</b>      |
| <b>16</b>   | 21,90<br><b>0.862</b> | 32,80<br><b>1.291</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | 22,40<br><b>0.882</b> | 32,70<br><b>1.280</b> | 3,30<br><b>0.130</b> | 15,85<br><b>0.624</b>      |
| <b>18</b>   | 23,45<br><b>0.923</b> | 35,30<br><b>1.390</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 25,60<br><b>1.008</b> | 32,70<br><b>1.280</b> | 3,30<br><b>0.130</b> | 15,85<br><b>0.624</b>      |
| <b>20</b>   | 23,45<br><b>0.923</b> | 38,30<br><b>1.508</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 29,00<br><b>1.142</b> | 33,40<br><b>1.320</b> | 3,30<br><b>0.130</b> | 15,85<br><b>0.624</b>      |
| <b>22</b>   | 23,45<br><b>0.923</b> | 41,30<br><b>1.626</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 31,90<br><b>1.250</b> | 33,40<br><b>1.320</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| <b>24</b>   | 23,45<br><b>0.923</b> | 44,80<br><b>1.764</b> | 3,70<br><b>0.146</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 35,00<br><b>1.380</b> | 32,75<br><b>1.290</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| <b>28</b>   | 24,45<br><b>0.963</b> | 51,10<br><b>2.012</b> | 3,70<br><b>0.146</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 41,40<br><b>1.630</b> | 35,80<br><b>1.410</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| <b>32</b>   | 24,45<br><b>0.963</b> | 57,30<br><b>2.256</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 37,0<br><b>1.46</b>   | 36,80<br><b>1.450</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| <b>36</b>   | 24,45<br><b>0.963</b> | 63,80<br><b>2.512</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 37,0<br><b>1.46</b>   | 36,80<br><b>1.450</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| <b>40</b>   | 24,45<br><b>0.963</b> | 70,20<br><b>2.764</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 38,0<br><b>1.50</b>   | 36,80<br><b>1.450</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |

| PC TAIL CODE TABLE |                       |                      |                      |
|--------------------|-----------------------|----------------------|----------------------|
| PC CODE            | Q<br>±0.88            | R<br>±0.10           | ØX<br>Max            |
| <b>A</b>           | 25,00<br><b>0.984</b> | 5,00<br><b>0.197</b> | 0,75<br><b>0.030</b> |
| <b>C</b>           | 12,70<br><b>0.500</b> | 7,00<br><b>0.276</b> | 0,75<br><b>0.030</b> |
| <b>F *</b>         | 15,00<br><b>0.591</b> | 4,50<br><b>0.177</b> | 0,75<br><b>0.030</b> |

- \*1) Use PC code F for standard tail length.  
 \*2) Other PC tails available - please add detail to chart above and consult TE

**SQUARE FLANGE RECEPTACLE  
REAR MOUNTING (WITH ACCESSORY THREAD)  
STYLE: CIRH03T/CIRH03T...M6**



Metric  
Imperial

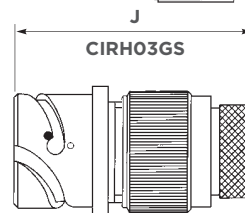
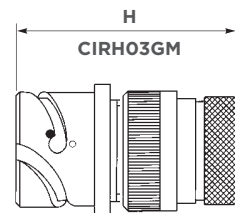
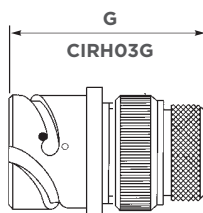
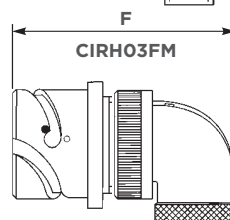
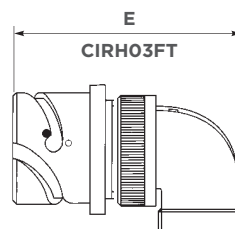
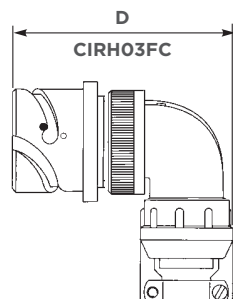
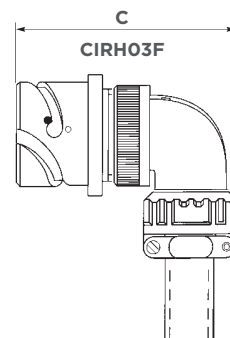
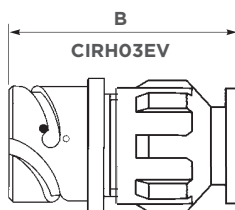
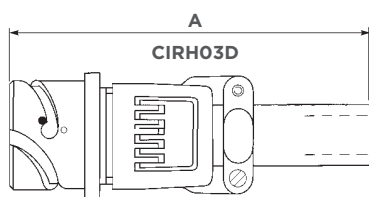
**Note:** Maximum panel thickness when using cap head screws.

When using countersunk screws, maximum panel thickness = 7.5 mm.

See page 90 for panel mounting details.

| Shell Size | B Max                 | C Max                 | d1<br>+0,2 -0<br>+0.008-0 | d2 Thread           | E Max                | F Thread<br>Dia. Class<br>2A   | H Max               | P<br>See Note        | Om Min<br>Overlap<br>Mated |
|------------|-----------------------|-----------------------|---------------------------|---------------------|----------------------|--------------------------------|---------------------|----------------------|----------------------------|
| 10SL       | 18,60<br><b>0.732</b> | 25,70<br><b>1.012</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,00<br><b>0.118</b> | $\frac{5}{8}$ " x 24<br>UNEF   | 30,0<br><b>1.19</b> | 3,30<br><b>0.130</b> | 11,10<br><b>0.437</b>      |
| 14S        | 18,60<br><b>0.732</b> | 30,30<br><b>1.193</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | $\frac{3}{4}$ " x 20<br>UNEF   | 30,0<br><b>1.19</b> | 3,30<br><b>0.130</b> | 11,10<br><b>0.437</b>      |
| 16S        | 18,60<br><b>0.732</b> | 32,80<br><b>1.291</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | $\frac{7}{8}$ " x 20<br>UNEF   | 30,0<br><b>1.19</b> | 3,30<br><b>0.130</b> | 11,10<br><b>0.437</b>      |
| 16         | 21,90<br><b>0.862</b> | 32,80<br><b>1.291</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 3,40<br><b>0.134</b> | $\frac{7}{8}$ " x 20<br>UNEF   | 37,0<br><b>1.46</b> | 3,30<br><b>0.130</b> | 15,85<br><b>0.624</b>      |
| 18         | 23,45<br><b>0.923</b> | 35,30<br><b>1.390</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 1" x 20 UNEF                   | 37,0<br><b>1.46</b> | 3,30<br><b>0.130</b> | 15,85<br><b>0.624</b>      |
| 20         | 23,45<br><b>0.923</b> | 38,30<br><b>1.508</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 1 $\frac{1}{8}$ " x 18<br>UNEF | 37,0<br><b>1.46</b> | 3,30<br><b>0.130</b> | 15,85<br><b>0.624</b>      |
| 22         | 23,45<br><b>0.923</b> | 41,30<br><b>1.626</b> | 3,20<br><b>0.126</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 1 $\frac{1}{4}$ " x 18<br>UNEF | 37,0<br><b>1.46</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 24         | 23,45<br><b>0.923</b> | 44,80<br><b>1.764</b> | 3,70<br><b>0.146</b>      | <b>M4</b><br>0,7-6H | 4,20<br><b>0.165</b> | 1 $\frac{3}{8}$ " x 18<br>UNEF | 37,0<br><b>1.46</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 28         | 24,45<br><b>0.963</b> | 51,10<br><b>2.012</b> | 3,70<br><b>0.146</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 1 $\frac{5}{8}$ " x 18<br>UNEF | 37,0<br><b>1.46</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 32         | 24,45<br><b>0.963</b> | 57,30<br><b>2.256</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 1 $\frac{7}{8}$ " x 16 UN      | 37,0<br><b>1.46</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 36         | 24,45<br><b>0.963</b> | 63,80<br><b>2.512</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 2 $\frac{1}{16}$ " x 16<br>UNS | 37,0<br><b>1.46</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |
| 40         | 24,45<br><b>0.963</b> | 70,20<br><b>2.764</b> | 4,30<br><b>0.169</b>      | <b>M5</b><br>0,8-6H | 4,20<br><b>0.165</b> | 2 $\frac{5}{16}$ " x 16 UN     | 38,0<br><b>1.50</b> | 3,30<br><b>0.130</b> | 15,75<br><b>0.620</b>      |

# CIRH '03' STYLE CONNECTOR & ACCESSORY

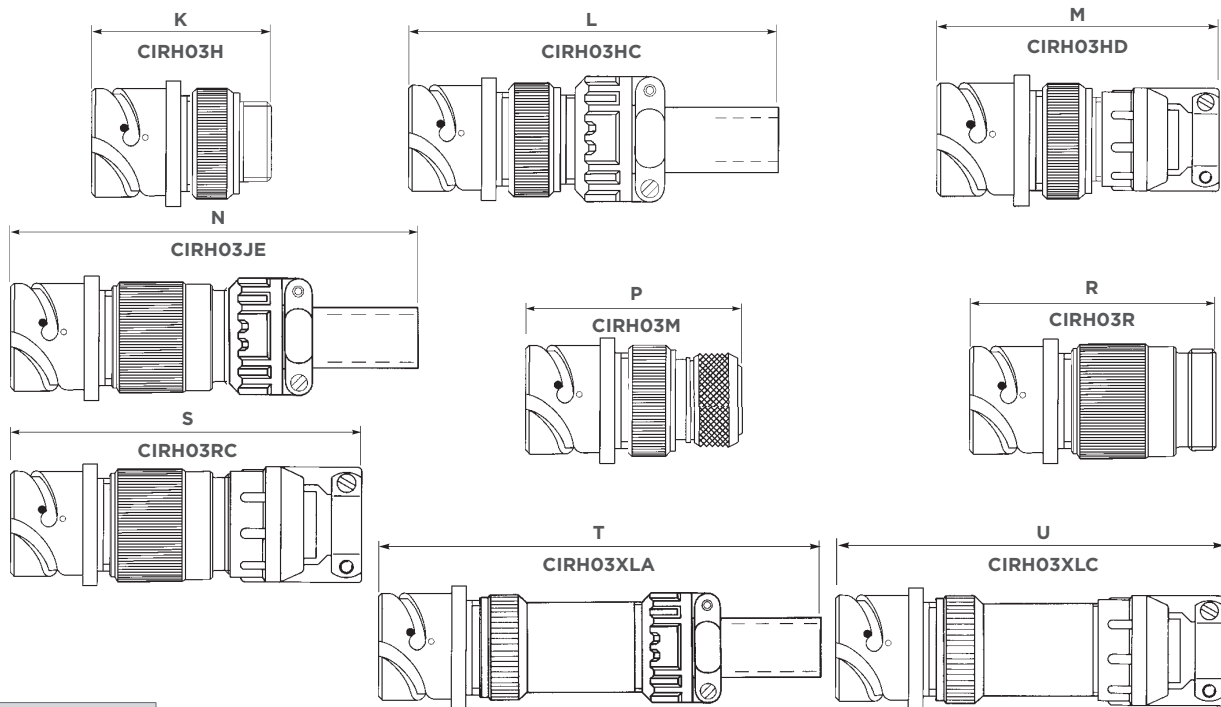


Metric  
Imperial

| Shell Size | A               | B              | C               | D               | E               | F               | G              | H              | J              |
|------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|
| 10SL       | 109,00<br>4.291 | 44,00<br>1.732 | 58,00<br>2.283  | 58,00<br>2.283  | 55,00<br>2.165  | 55,00<br>2.165  | 50,00<br>1.968 | 54,00<br>2.126 | *              |
| 14S        | 108,00<br>4.252 | 44,00<br>1.732 | 61,00<br>2.402  | 61,00<br>2.402  | 57,00<br>2.244  | 57,00<br>2.244  | 50,00<br>1.968 | 54,00<br>2.126 | *              |
| 16S        | 105,00<br>4.134 | 44,00<br>1.732 | 65,00<br>2.559  | 65,00<br>2.559  | 61,00<br>2.402  | 61,00<br>2.402  | 50,00<br>1.968 | 54,00<br>2.126 | *              |
| 16         | 117,00<br>4.606 | 60,00<br>2.362 | 77,00<br>3.031  | 77,00<br>3.031  | 73,00<br>2.874  | 73,00<br>2.874  | 63,00<br>2.480 | 70,00<br>2.756 | *              |
| 18         | 121,00<br>4.764 | 60,00<br>2.362 | 82,00<br>3.228  | 82,00<br>3.228  | 78,00<br>3.071  | 78,00<br>3.071  | 65,00<br>2.559 | 70,00<br>2.756 | 80,00<br>3.150 |
| 20         | 120,00<br>4.724 | 60,00<br>2.362 | 87,00<br>3.425  | 88,00<br>3.465  | 83,00<br>3.268  | 83,00<br>3.268  | 66,00<br>2.598 | 74,00<br>2.913 | 86,00<br>3.386 |
| 22         | 120,00<br>4.724 | 60,00<br>2.362 | 87,00<br>3.425  | 88,00<br>3.465  | 83,00<br>3.268  | 83,00<br>3.268  | 68,00<br>2.677 | 74,00<br>2.913 | 86,00<br>3.386 |
| 24         | 114,00<br>4.488 | 60,00<br>2.362 | 95,00<br>3.740  | 95,00<br>3.740  | 91,00<br>3.583  | 91,00<br>3.583  | 66,00<br>2.598 | 74,00<br>2.913 | 86,00<br>3.386 |
| 28         | 124,00<br>4.882 | 60,00<br>2.362 | 94,00<br>3.700  | 94,00<br>3.700  | 90,00<br>3.543  | 90,00<br>3.543  | 68,00<br>2.677 | 73,00<br>2.874 | 87,00<br>3.425 |
| 32         | 121,00<br>4.764 | 60,00<br>2.362 | 104,00<br>4.094 | 107,00<br>4.213 | 100,00<br>3.937 | 100,00<br>3.937 | 67,00<br>2.638 | 73,00<br>2.874 | 86,00<br>3.386 |
| 36         | 118,00<br>4.646 | 60,00<br>2.362 | 110,00<br>4.331 | 111,00<br>4.370 | 106,00<br>4.173 | 106,00<br>4.173 | 72,00<br>2.835 | 74,00<br>2.913 | 88,00<br>3.465 |
| 40         | NA              | 60,00<br>2.362 | 117,00<br>4.606 | 117,00<br>4.606 | 113,00<br>4.449 | 113,00<br>4.449 | 74,00<br>2.913 | 74,00<br>2.913 | 88,00<br>3.465 |

\* Please consult TE for availability.

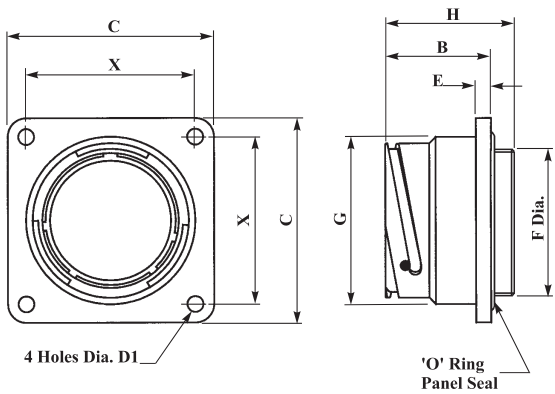
# CIRH '03' STYLE CONNECTOR & ACCESSORY CONT.



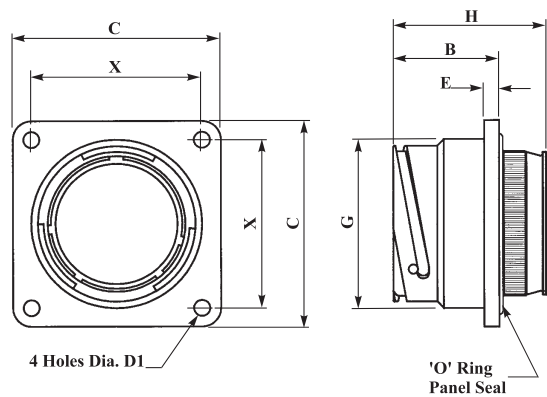
Metric  
Imperial

| Shell Size | K              | L               | M               | N               | P              | R              | S               | T               | U               |
|------------|----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|
| 10SL       | 50,00<br>1.969 | 123,00<br>4.843 | 81,00<br>3.189  | 122,00<br>4.803 | 54,00<br>2.126 | 52,00<br>2.047 | 83,00<br>3.268  | 141,00<br>5.551 | 102,00<br>4.016 |
| 14S        | 50,00<br>1.969 | 119,00<br>4.685 | 81,00<br>3.189  | 118,00<br>4.646 | 56,00<br>2.205 | 52,00<br>2.047 | 83,00<br>3.268  | 138,00<br>5.433 | 102,00<br>4.016 |
| 16S        | 50,00<br>1.969 | 121,00<br>4.764 | 81,00<br>3.189  | 115,00<br>4.528 | 56,00<br>2.205 | 52,00<br>2.047 | 83,00<br>3.268  | 135,00<br>5.315 | 102,00<br>4.016 |
| 16         | 63,00<br>2.480 | 129,00<br>5.079 | 94,00<br>3.700  | 129,00<br>5.079 | 69,00<br>2.716 | 66,00<br>2.598 | 97,00<br>3.819  | 157,00<br>6.181 | 126,00<br>4.961 |
| 18         | 65,00<br>2.559 | 130,00<br>5.118 | 97,00<br>3.819  | 132,00<br>5.197 | 72,00<br>2.835 | 72,00<br>2.835 | 104,00<br>4.094 | 154,00<br>6.063 | 126,00<br>4.961 |
| 20         | 65,00<br>2.559 | 126,00<br>4.961 | 97,00<br>3.819  | 129,00<br>5.079 | 72,00<br>2.835 | 72,00<br>2.835 | 104,00<br>4.094 | 151,00<br>5.945 | 126,00<br>4.961 |
| 22         | 65,00<br>2.559 | 126,00<br>4.961 | 97,00<br>3.819  | 129,00<br>5.079 | 72,00<br>2.835 | 72,00<br>2.835 | 104,00<br>4.094 | 151,00<br>5.945 | 126,00<br>4.961 |
| 24         | 65,00<br>2.559 | 113,00<br>4.449 | 101,00<br>3.976 | 129,00<br>5.079 | 72,00<br>2.835 | 75,00<br>2.593 | 110,00<br>4.331 | 148,00<br>5.827 | 130,00<br>5.118 |
| 28         | 65,00<br>2.559 | 113,00<br>4.449 | 101,00<br>3.976 | 130,00<br>5.118 | 71,00<br>2.795 | 76,00<br>2.992 | 111,00<br>4.370 | 155,00<br>6.102 | 137,00<br>5.394 |
| 32         | 64,00<br>2.520 | 112,00<br>4.409 | 106,00<br>4.173 | 125,00<br>4.921 | 71,00<br>2.795 | 75,00<br>2.593 | 117,00<br>4.606 | 152,00<br>5.984 | 143,00<br>5.630 |
| 36         | 64,00<br>2.520 | 112,00<br>4.409 | 112,00<br>4.409 | 122,00<br>4.803 | 71,00<br>2.795 | 75,00<br>2.593 | 123,00<br>4.842 | 148,00<br>5.827 | 149,00<br>5.866 |
| 40         | 64,00<br>2.520 | 109,00<br>4.291 | 112,00<br>4.409 | 120,00<br>4.724 | 71,00<br>2.795 | 76,00<br>2.992 | 118,00<br>4.646 | 145,00<br>5.709 | 149,00<br>5.866 |

**SIZE 49 SQUARE FLANGE FRONT MOUNTING RECEPTACLE**  
**NO ACCESSORY OR WITH GROMMET & GROMMET NUT**  
**STYLES: CIRH04T OR CIRH04EV**



| Metric<br>Imperial |                | CIRH04T         |                           | See page 90 for panel mounting details |                              |                |                |                |
|--------------------|----------------|-----------------|---------------------------|----------------------------------------|------------------------------|----------------|----------------|----------------|
| Shell Size         | B              | C               | D1<br>+0.2 -0<br>+0.008-0 | E                                      | F Thread<br>Dia. Class<br>2A | G Dia.         | H              | X              |
| 49                 | 56,50<br>2.224 | 110,00<br>4.330 | 8,50<br>0.335             | 8,00<br>0.315                          | 2 7/8" x 16 UN               | 90,00<br>3.543 | 62,50<br>2.460 | 90,00<br>3.543 |



Metric

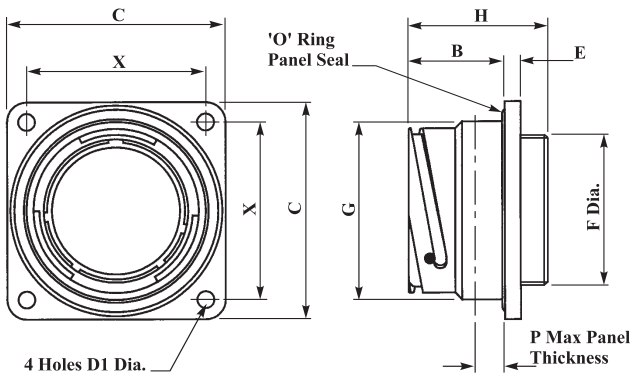
Imperial

CIRH04EV

See page 90 for panel mounting details

| Shell Size | B              | C               | D1<br>+0.2 -0<br>+0.008-0 | E             | G Dia.         | H              | X              |
|------------|----------------|-----------------|---------------------------|---------------|----------------|----------------|----------------|
| 49         | 56,50<br>2.224 | 110,00<br>4.330 | 8,50<br>0.335             | 8,00<br>0.315 | 90,00<br>3.543 | 81,50<br>3.209 | 90,00<br>3.543 |

**SIZE 49 SQUARE FLANGE REAR MOUNTING RECEPTACLE**  
**NO ACCESSORY OR WITH GROMMET & GROMMET NUT**  
**STYLES: CIRH05T OR CIRH05EV**

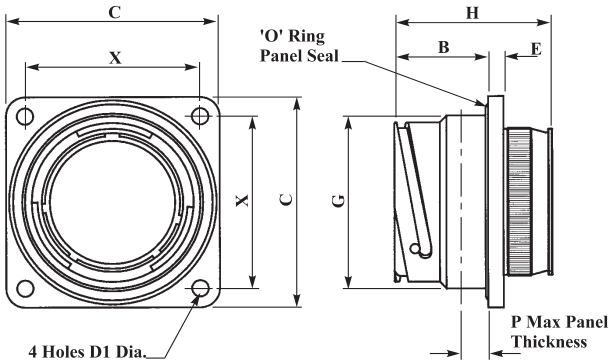


Metric  
 Imperial

**CIRH05T**

See page 90 for panel mounting details

| Shell Size | B              | C               | D1<br>+0,2 -0<br>+0.008-0 | E             | F Thread<br>Dia. Class<br>2A | G Dia.         | H              | P              | X              |
|------------|----------------|-----------------|---------------------------|---------------|------------------------------|----------------|----------------|----------------|----------------|
| 49         | 56,50<br>2.224 | 110,00<br>4.330 | 8,50<br>0.335             | 8,00<br>0.315 | 2 7/8" x 16 UN               | 90,00<br>3.543 | 62,50<br>2.460 | 15,00<br>0.590 | 90,00<br>3.543 |



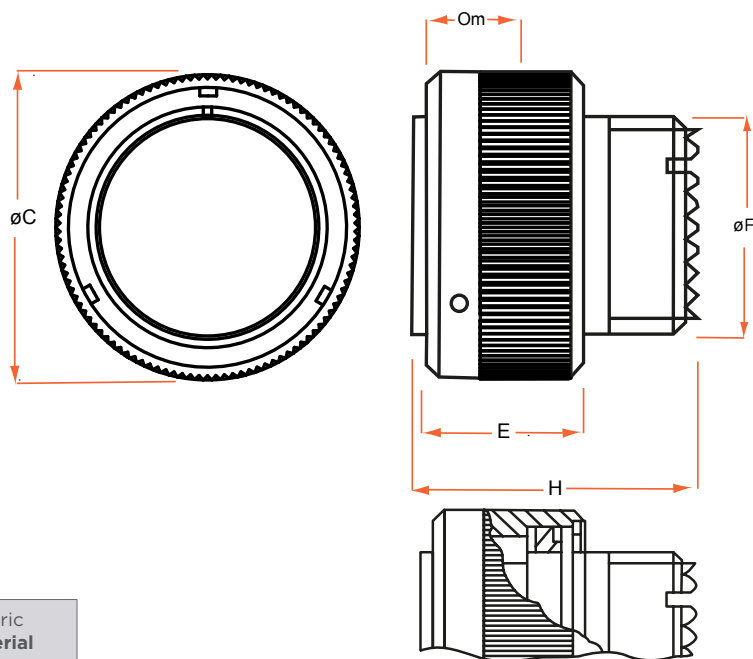
Metric  
 Imperial

**CIRH05EV**

See page 90 for panel mounting details

| Shell Size | B              | C               | D1<br>+0,2 -0<br>+0.008-0 | E             | G Dia.         | H              | P              | X              |
|------------|----------------|-----------------|---------------------------|---------------|----------------|----------------|----------------|----------------|
| 49         | 56,50<br>2.224 | 110,00<br>4.330 | 8,50<br>0.335             | 8,00<br>0.315 | 90,00<br>3.543 | 62,50<br>2.460 | 15,00<br>0.590 | 90,00<br>3.543 |

**PLUG - FINE KNURL COUPLING NUT**  
**STYLE: CIRH06T/CIRHSE06T**

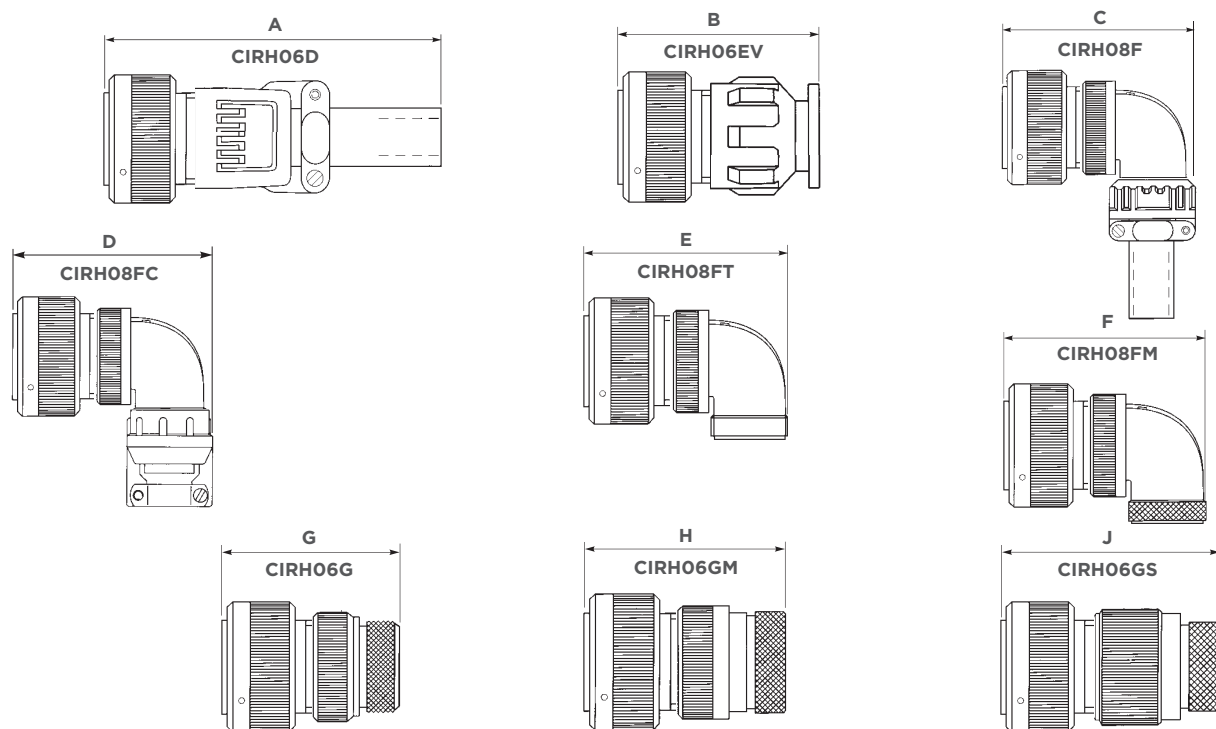


CIRHSE06T with  
Screening Facility

Metric  
Imperial

| Shell Size  | C Max                 | E Max                 | F Thread Dia. Class 2A      | H Max                 | Om Min Overlap Mated  |
|-------------|-----------------------|-----------------------|-----------------------------|-----------------------|-----------------------|
| <b>10SL</b> | 24,20<br><b>0.953</b> | 17,50<br><b>0.689</b> | $\frac{5}{8}$ " x 24 UNEF   | 28,95<br><b>1.140</b> | 11,10<br><b>0.437</b> |
| <b>14S</b>  | 30,60<br><b>1.205</b> | 17,50<br><b>0.689</b> | $\frac{3}{4}$ " x 20 UNEF   | 28,95<br><b>1.140</b> | 11,10<br><b>0.437</b> |
| <b>16S</b>  | 33,40<br><b>1.315</b> | 17,50<br><b>0.689</b> | $\frac{7}{8}$ " x 20 UNEF   | 28,95<br><b>1.140</b> | 11,10<br><b>0.437</b> |
| <b>16</b>   | 33,40<br><b>1.315</b> | 24,00<br><b>0.945</b> | $\frac{7}{8}$ " x 20 UNEF   | 36,40<br><b>1.433</b> | 15,85<br><b>0.624</b> |
| <b>18</b>   | 37,30<br><b>1.468</b> | 24,00<br><b>0.945</b> | 1" x 20 UNEF                | 36,40<br><b>1.433</b> | 15,85<br><b>0.624</b> |
| <b>20</b>   | 40,70<br><b>1.602</b> | 24,00<br><b>0.945</b> | 1 $\frac{1}{8}$ " x 18 UNEF | 36,40<br><b>1.433</b> | 15,85<br><b>0.624</b> |
| <b>22</b>   | 44,20<br><b>1.740</b> | 24,00<br><b>0.945</b> | 1 $\frac{1}{4}$ " x 18 UNEF | 36,40<br><b>1.433</b> | 15,85<br><b>0.624</b> |
| <b>24</b>   | 47,70<br><b>1.878</b> | 24,00<br><b>0.945</b> | 1 $\frac{3}{8}$ " x 18 UNEF | 36,40<br><b>1.433</b> | 15,75<br><b>0.620</b> |
| <b>28</b>   | 54,50<br><b>2.146</b> | 24,00<br><b>0.945</b> | 1 $\frac{5}{8}$ " x 18 UNEF | 36,40<br><b>1.433</b> | 15,75<br><b>0.620</b> |
| <b>32</b>   | 61,40<br><b>2.417</b> | 27,00<br><b>1.063</b> | 1 $\frac{7}{8}$ " x 16 UN   | 36,40<br><b>1.433</b> | 15,75<br><b>0.620</b> |
| <b>36</b>   | 68,00<br><b>2.677</b> | 27,00<br><b>1.063</b> | 2 $\frac{1}{16}$ " x 16 UNS | 36,40<br><b>1.433</b> | 15,75<br><b>0.620</b> |
| <b>40</b>   | 74,00<br><b>2.913</b> | 27,00<br><b>1.063</b> | 2 $\frac{5}{16}$ " x 16 UN  | 36,40<br><b>1.433</b> | 15,75<br><b>0.620</b> |

# CIRH '06' OR 'SE06' STYLE CONNECTOR & ACCESSORY

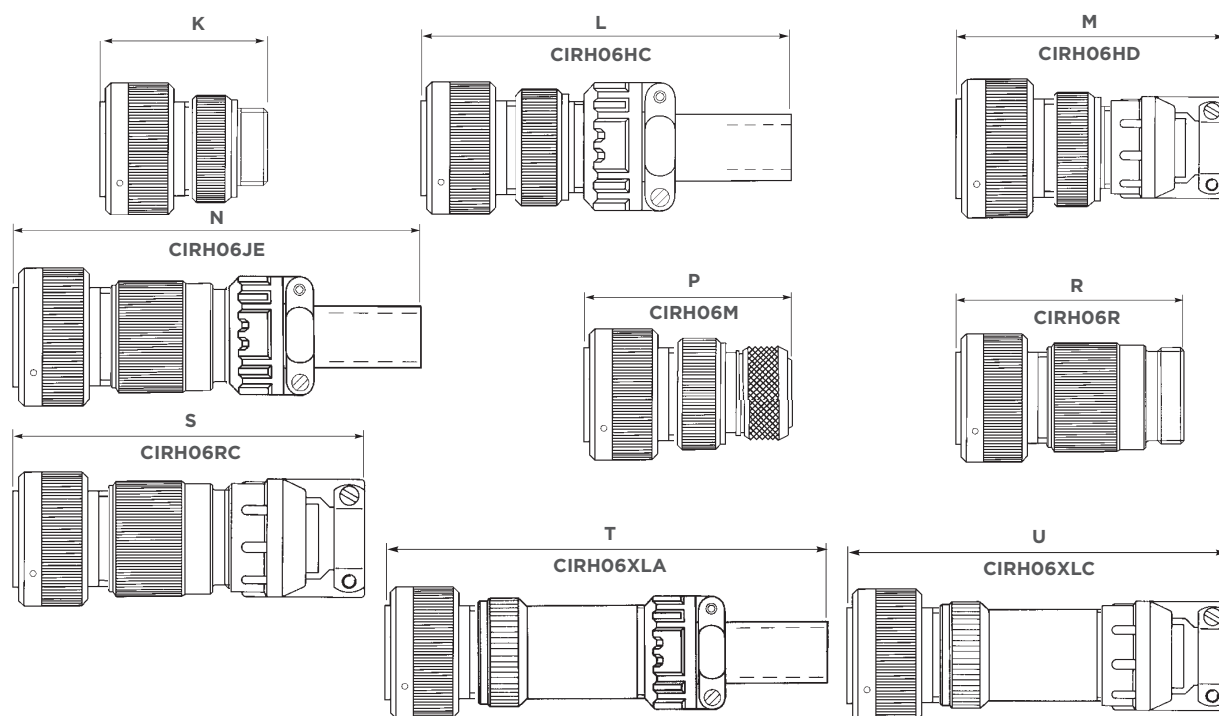


Metric  
Imperial

| Shell Size | A               | B              | C               | D               | E               | F               | G              | H              | J              |
|------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|
| 10SL       | 109,00<br>4.291 | 44,00<br>1.732 | 57,00<br>2.244  | 58,00<br>2.283  | 54,00<br>2.126  | 54,00<br>2.126  | 50,00<br>1.969 | 54,00<br>2.126 | *              |
| 14S        | 107,00<br>4.213 | 44,00<br>1.732 | 61,00<br>2.402  | 60,00<br>2.362  | 56,00<br>2.205  | 57,00<br>2.244  | 50,00<br>1.969 | 54,00<br>2.126 | *              |
| 16S        | 104,00<br>4.094 | 44,00<br>1.732 | 64,00<br>2.520  | 64,00<br>2.520  | 60,00<br>2.362  | 60,00<br>2.362  | 50,00<br>1.969 | 54,00<br>2.126 | *              |
| 16         | 111,00<br>4.370 | 54,00<br>2.126 | 71,00<br>2.795  | 71,00<br>2.795  | 68,00<br>2.677  | 68,00<br>2.677  | 57,00<br>2.244 | 65,00<br>2.559 | *              |
| 18         | 115,00<br>4.528 | 54,00<br>2.126 | 76,00<br>2.992  | 76,00<br>2.992  | 72,00<br>2.835  | 72,00<br>2.835  | 59,00<br>2.323 | 65,00<br>2.559 | 74,00<br>2.913 |
| 20         | 114,00<br>4.488 | 54,00<br>2.126 | 81,00<br>3.190  | 82,00<br>3.228  | 77,00<br>3.031  | 78,00<br>3.071  | 60,00<br>2.362 | 68,00<br>2.677 | 80,00<br>3.150 |
| 22         | 114,00<br>4.488 | 54,00<br>2.126 | 81,00<br>3.190  | 119,00<br>4.685 | 78,00<br>3.071  | 78,00<br>3.071  | 63,00<br>2.480 | 68,00<br>2.677 | 80,00<br>3.150 |
| 24         | 109,00<br>4.291 | 54,00<br>2.126 | 89,00<br>3.504  | 90,00<br>3.543  | 86,00<br>3.386  | 86,00<br>3.386  | 60,00<br>2.362 | 68,00<br>2.677 | 80,00<br>3.150 |
| 28         | 119,00<br>4.685 | 54,00<br>2.126 | 88,00<br>3.465  | 89,00<br>3.504  | 85,00<br>3.346  | 85,00<br>3.346  | 63,00<br>2.480 | 67,00<br>2.638 | 81,00<br>3.189 |
| 32         | 116,00<br>4.567 | 54,00<br>2.126 | 98,00<br>3.858  | 101,00<br>3.976 | 95,00<br>3.740  | 95,00<br>3.740  | 62,00<br>2.441 | 67,00<br>2.638 | 80,00<br>3.150 |
| 36         | 112,00<br>4.409 | 54,00<br>2.126 | 104,00<br>4.094 | 105,00<br>4.134 | 101,00<br>3.976 | 101,00<br>3.976 | 67,00<br>2.638 | 68,00<br>2.677 | 80,00<br>3.150 |
| 40         | N/A             | 54,00<br>2.126 | 111,00<br>4.370 | 112,00<br>4.409 | 107,00<br>4.213 | 107,00<br>4.213 | 68,00<br>2.677 | 68,00<br>2.677 | 80,00<br>3.150 |

\* Please consult TE for availability.

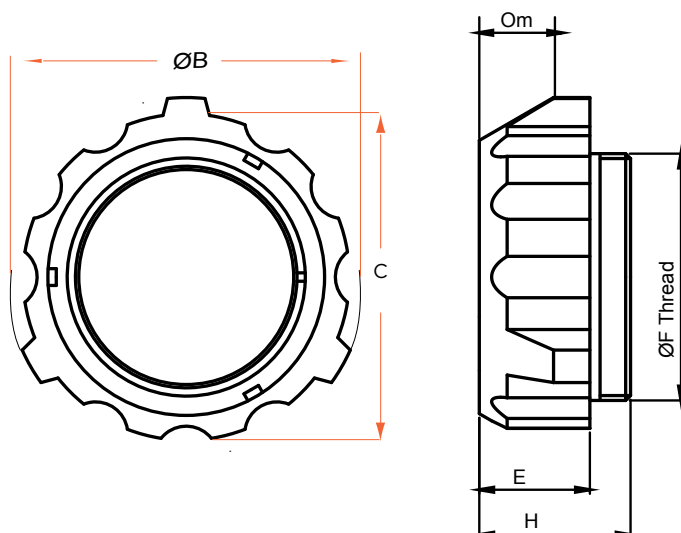
# CIRH '06' OR 'SE06' STYLE CONNECTOR & ACCESSORY CONT.



Metric  
Imperial

| Shell Size | K              | L               | M               | N               | P              | R              | S               | T               | U               |
|------------|----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|
| 10SL       | 50,00<br>1.969 | 122,00<br>4.803 | 81,00<br>3.189  | 121,00<br>4.764 | 53,00<br>2.087 | 51,00<br>2.008 | 82,00<br>3.228  | 140,00<br>5.512 | 101,00<br>3.976 |
| 14S        | 50,00<br>1.969 | 119,00<br>4.685 | 81,00<br>3.189  | 118,00<br>4.646 | 56,00<br>2.205 | 51,00<br>2.008 | 82,00<br>3.228  | 137,00<br>5.394 | 101,00<br>3.976 |
| 16S        | 50,00<br>1.969 | 120,00<br>4.724 | 81,00<br>3.189  | 115,00<br>4.528 | 56,00<br>2.205 | 51,00<br>2.008 | 82,00<br>3.228  | 134,00<br>5.276 | 101,00<br>3.976 |
| 16         | 57,00<br>2.244 | 123,00<br>4.843 | 88,00<br>3.465  | 124,00<br>4.882 | 63,00<br>2.480 | 60,00<br>2.362 | 91,00<br>3.583  | 152,00<br>5.984 | 121,00<br>4.764 |
| 18         | 59,00<br>2.323 | 124,00<br>4.882 | 92,00<br>3.622  | 127,00<br>5.000 | 66,00<br>2.598 | 66,00<br>2.598 | 99,00<br>3.898  | 149,00<br>5.866 | 121,00<br>4.764 |
| 20         | 59,00<br>2.323 | 120,00<br>4.724 | 92,00<br>3.622  | 123,00<br>4.843 | 66,00<br>2.598 | 66,00<br>2.598 | 99,00<br>3.898  | 145,00<br>5.709 | 121,00<br>4.764 |
| 22         | 59,00<br>2.323 | 120,00<br>4.724 | 92,00<br>3.622  | 123,00<br>4.843 | 66,00<br>2.598 | 66,00<br>2.598 | 99,00<br>3.898  | 145,00<br>5.709 | 121,00<br>4.764 |
| 24         | 59,00<br>2.323 | 107,00<br>4.213 | 95,00<br>3.740  | 123,00<br>4.843 | 66,00<br>2.598 | 69,00<br>2.717 | 105,00<br>4.134 | 142,00<br>5.591 | 124,00<br>4.882 |
| 28         | 59,00<br>2.323 | 107,00<br>4.213 | 95,00<br>3.740  | 124,00<br>4.882 | 65,00<br>2.559 | 70,00<br>2.756 | 106,00<br>4.173 | 149,00<br>5.866 | 131,00<br>5.157 |
| 32         | 58,00<br>2.283 | 106,00<br>4.173 | 100,00<br>3.937 | 120,00<br>4.724 | 65,00<br>2.559 | 69,00<br>2.717 | 111,00<br>4.370 | 146,00<br>5.748 | 137,00<br>5.394 |
| 36         | 58,00<br>2.283 | 106,00<br>4.173 | 107,00<br>4.213 | 117,00<br>4.606 | 65,00<br>2.559 | 69,00<br>2.717 | 117,00<br>4.606 | 143,00<br>5.630 | 144,00<br>5.669 |
| 40         | 58,00<br>2.283 | 103,00<br>4.055 | 107,00<br>4.213 | 114,00<br>4.488 | 65,00<br>2.559 | 70,00<br>2.756 | 112,00<br>4.409 | 140,00<br>5.512 | 144,00<br>5.669 |

**PLUG RUBBER COVERED COUPLING NUT**  
**STYLE: CIRHP06T/CIRHPSE06T**

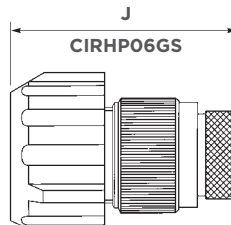
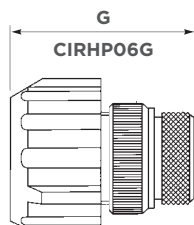
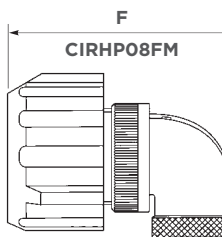
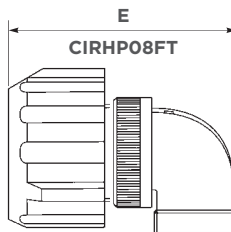
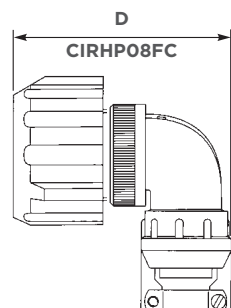
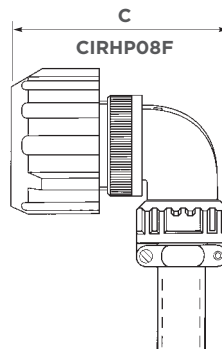
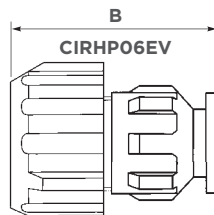
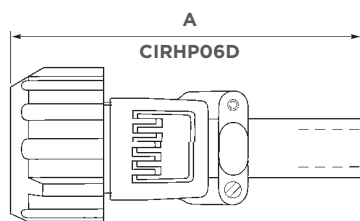


Metric  
Imperial

| Shell Size | B Max          | C Max          | E Max          | F Thread Dia. Class 2A     | H Max          | Om Min Overlap Mated |
|------------|----------------|----------------|----------------|----------------------------|----------------|----------------------|
| *10SL      | 33,50<br>1.319 | 28,50<br>1.122 | 19,40<br>0.764 | $\frac{5}{8}$ " x 24 UNEF  | 29,55<br>1.163 | 13,10<br>0.516       |
| *14S       | 40,20<br>1.583 | 35,20<br>1.386 | 19,40<br>0.764 | $\frac{3}{4}$ " x 20 UNEF  | 29,55<br>1.163 | 13,10<br>0.516       |
| *16S       | 43,88<br>1.726 | 38,90<br>1.531 | 19,40<br>0.764 | $\frac{7}{8}$ " x 20 UNEF  | 29,55<br>1.163 | 13,10<br>0.516       |
| *16        | 43,88<br>1.726 | 38,90<br>1.531 | 27,10<br>1.067 | $\frac{7}{8}$ " x 20 UNEF  | 37,07<br>1.459 | 17,85<br>0.703       |
| 18         | 49,00<br>1.929 | 43,50<br>1.713 | 27,10<br>1.067 | 1" x 20 UNEF               | 37,07<br>1.459 | 17,85<br>0.703       |
| 20         | 51,50<br>2.026 | 46,00<br>1.811 | 27,10<br>1.067 | $1\frac{1}{8}$ " x 18 UNEF | 37,07<br>1.459 | 17,85<br>0.703       |
| 22         | 56,00<br>2.205 | 50,50<br>1.988 | 27,10<br>1.067 | $1\frac{1}{4}$ " x 18 UNEF | 37,07<br>1.459 | 17,85<br>0.703       |
| 24         | 60,00<br>2.362 | 54,00<br>2.126 | 27,10<br>1.067 | $1\frac{3}{8}$ " x 18 UNEF | 37,07<br>1.459 | 17,75<br>0.669       |
| *28        | 67,00<br>2.638 | 61,00<br>2.402 | 27,10<br>1.067 | $1\frac{5}{8}$ " x 18 UNEF | 37,07<br>1.459 | 17,75<br>0.669       |
| *32        | 76,00<br>2.992 | 67,60<br>2.661 | 27,10<br>1.067 | $1\frac{7}{8}$ " x 16 UN   | 37,07<br>1.459 | 17,75<br>0.669       |
| 36         | 82,30<br>3.240 | 74,30<br>2.925 | 27,10<br>1.067 | $2\frac{1}{16}$ " x 16 UNS | 37,07<br>1.459 | 17,75<br>0.669       |
| 40         | 88,00<br>3.465 | 80,00<br>3.150 | 27,10<br>1.067 | $2\frac{5}{16}$ " x 16 UN  | 37,07<br>1.459 | 17,75<br>0.669       |

\* Please consult TE for availability.

# CIRH '06' OR 'SE06' STYLE CONNECTOR & ACCESSORY

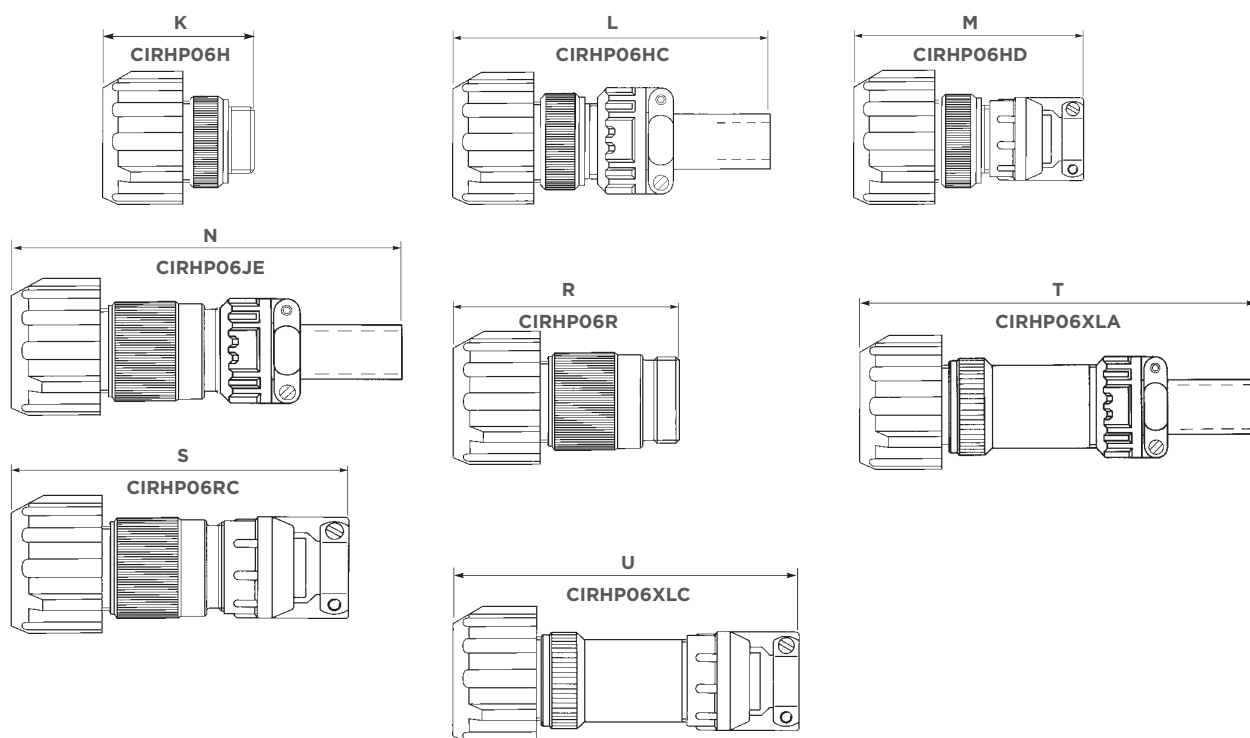


Metric  
Imperial

| Shell Size | A               | B              | C               | D               | E               | F               | G              | J              |
|------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| *10SL      | 109,00<br>4.291 | 44,00<br>1.732 | 58,00<br>2.283  | 58,00<br>2.283  | 55,00<br>2.165  | 55,00<br>2.165  | 50,00<br>1.969 | *              |
| *14S       | 108,00<br>4.252 | 44,00<br>1.732 | 61,00<br>2.402  | 61,00<br>2.402  | 57,00<br>2.244  | 57,00<br>2.244  | 50,00<br>1.969 | *              |
| *16S       | 105,00<br>4.134 | 44,00<br>1.732 | 65,00<br>2.559  | 65,00<br>2.559  | 61,00<br>2.402  | 61,00<br>2.402  | 50,00<br>1.969 | *              |
| *16        | 112,00<br>4.409 | 55,00<br>2.165 | 72,00<br>2.835  | 72,00<br>2.835  | 68,00<br>2.677  | 68,00<br>2.677  | 58,00<br>2.283 | *              |
| 18         | 116,00<br>4.567 | 55,00<br>2.165 | 77,00<br>3.031  | 77,00<br>3.031  | 73,00<br>2.874  | 73,00<br>2.874  | 60,00<br>2.362 | 75,00<br>2.953 |
| 20         | 115,00<br>4.528 | 55,00<br>2.165 | 82,00<br>3.228  | 83,00<br>3.268  | 78,00<br>3.071  | 78,00<br>3.071  | 61,00<br>2.402 | 81,00<br>3.189 |
| 22         | 115,00<br>4.528 | 55,00<br>2.165 | 82,00<br>3.228  | 83,00<br>3.268  | 78,00<br>3.071  | 78,00<br>3.071  | 64,00<br>2.520 | 81,00<br>3.189 |
| 24         | 109,00<br>4.291 | 55,00<br>2.165 | 90,00<br>3.543  | 90,00<br>3.543  | 86,00<br>3.386  | 86,00<br>3.386  | 61,00<br>2.402 | 81,00<br>3.189 |
| *28        | 119,00<br>4.685 | 55,00<br>2.165 | 89,00<br>3.504  | 89,00<br>3.504  | 85,00<br>3.346  | 85,00<br>3.346  | 64,00<br>2.520 | 82,00<br>3.228 |
| *32        | 116,00<br>4.567 | 55,00<br>2.165 | 99,00<br>3.898  | 102,00<br>4.016 | 95,00<br>3.740  | 95,00<br>3.740  | 62,00<br>2.441 | 81,00<br>3.189 |
| 36         | 113,00<br>4.449 | 55,00<br>2.165 | 105,00<br>4.134 | 106,00<br>4.173 | 101,00<br>3.976 | 101,00<br>3.976 | 67,00<br>2.638 | 81,00<br>3.189 |
| 40         | NA              | 55,00<br>2.165 | 112,00<br>4.409 | 112,00<br>4.409 | 108,00<br>4.252 | 108,00<br>4.252 | 69,00<br>2.717 | 81,00<br>3.189 |

\* Please consult TE for availability.

# CIRH '06' OR 'SE06' STYLE CONNECTOR & ACCESSORY CONT.

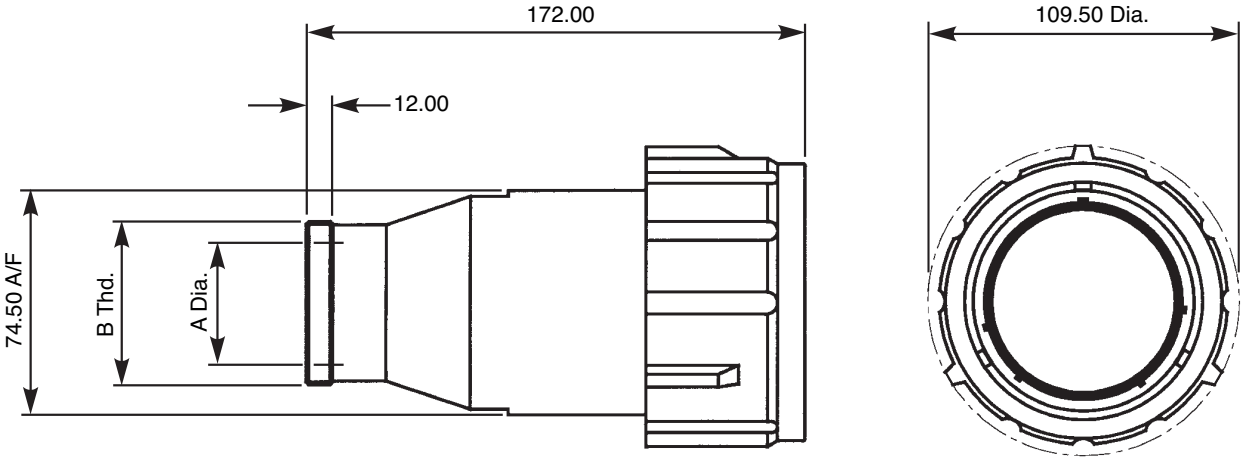


Metric  
Imperial

| Shell Size | K              | L               | M               | N               | R              | S               | T               | U               |
|------------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| *10SL      | 51,00<br>2.008 | 123,00<br>4.843 | 81,00<br>3.189  | 122,00<br>4.803 | 52,00<br>2.047 | 83,00<br>3.268  | 140,00<br>5.512 | 102,00<br>4.016 |
| *14S       | 51,00<br>2.008 | 119,00<br>4.685 | 81,00<br>3.189  | 119,00<br>4.685 | 52,00<br>2.047 | 83,00<br>3.268  | 138,00<br>5.433 | 102,00<br>4.016 |
| *16S       | 51,00<br>2.008 | 121,00<br>4.764 | 81,00<br>3.189  | 115,00<br>4.528 | 52,00<br>2.047 | 83,00<br>3.268  | 135,00<br>5.315 | 102,00<br>4.016 |
| *16        | 58,00<br>2.283 | 124,00<br>4.882 | 89,00<br>3.504  | 124,00<br>4.882 | 61,00<br>2.402 | 92,00<br>3.622  | 152,00<br>5.984 | 121,00<br>4.764 |
| 18         | 60,00<br>2.362 | 125,00<br>4.921 | 93,00<br>3.661  | 127,00<br>5.000 | 67,00<br>2.638 | 99,00<br>3.898  | 149,00<br>5.866 | 121,00<br>4.764 |
| 20         | 60,00<br>2.362 | 121,00<br>4.764 | 93,00<br>3.661  | 124,00<br>4.882 | 67,00<br>2.638 | 99,00<br>3.898  | 146,00<br>5.748 | 121,00<br>4.764 |
| 22         | 60,00<br>2.362 | 121,00<br>4.764 | 93,00<br>3.661  | 124,00<br>4.882 | 67,00<br>2.638 | 99,00<br>3.898  | 146,00<br>5.748 | 121,00<br>4.764 |
| 24         | 60,00<br>2.362 | 108,00<br>4.252 | 96,00<br>3.780  | 124,00<br>4.882 | 70,00<br>2.756 | 106,00<br>4.173 | 143,00<br>5.630 | 125,00<br>4.921 |
| *28        | 60,00<br>2.362 | 108,00<br>4.252 | 96,00<br>3.780  | 125,00<br>4.921 | 71,00<br>2.795 | 106,00<br>4.173 | 150,00<br>5.906 | 132,00<br>5.197 |
| *32        | 59,00<br>2.323 | 107,00<br>4.213 | 101,00<br>3.976 | 121,00<br>4.764 | 70,00<br>2.756 | 112,00<br>4.409 | 147,00<br>5.787 | 138,00<br>5.433 |
| 36         | 59,00<br>2.323 | 107,00<br>4.213 | 107,00<br>4.213 | 117,00<br>4.606 | 70,00<br>2.756 | 118,00<br>4.646 | 144,00<br>5.669 | 144,00<br>5.669 |
| 40         | 59,00<br>2.323 | 104,00<br>4.094 | 107,00<br>4.213 | 116,00<br>4.567 | 71,00<br>2.795 | 113,00<br>4.449 | 140,00<br>5.512 | 144,00<br>5.669 |

\* Please consult TE for availability.

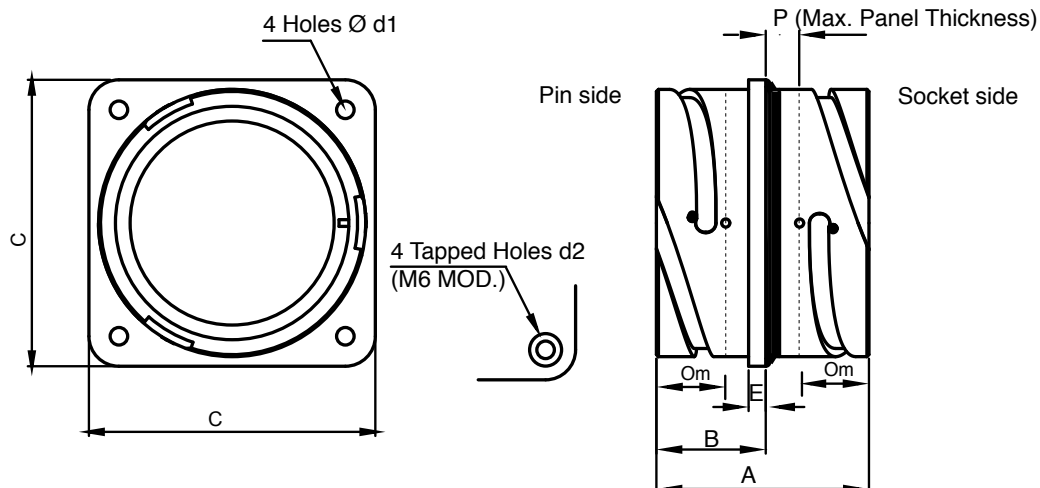
SIZE 49 PLUG WITH CONDUIT ADAPTOR  
RUBBER COVERED COUPLING NUT  
STYLE: CIRHP06GGL OR GGS



Metric  
Imperial

| Connector Style | A Dia.<br>Max. | B Thread            |
|-----------------|----------------|---------------------|
| CIRHP06GGL..... | 43,50<br>1.713 | 2 1/4" x 16 UN-2A   |
| CIRHP06GGS..... | 29,00<br>1.142 | 1 3/4" x 18 UNEF-2A |

# THROUGH BULKHEAD RECEPTACLE STYLE: CIRH07/CIRH07...M6



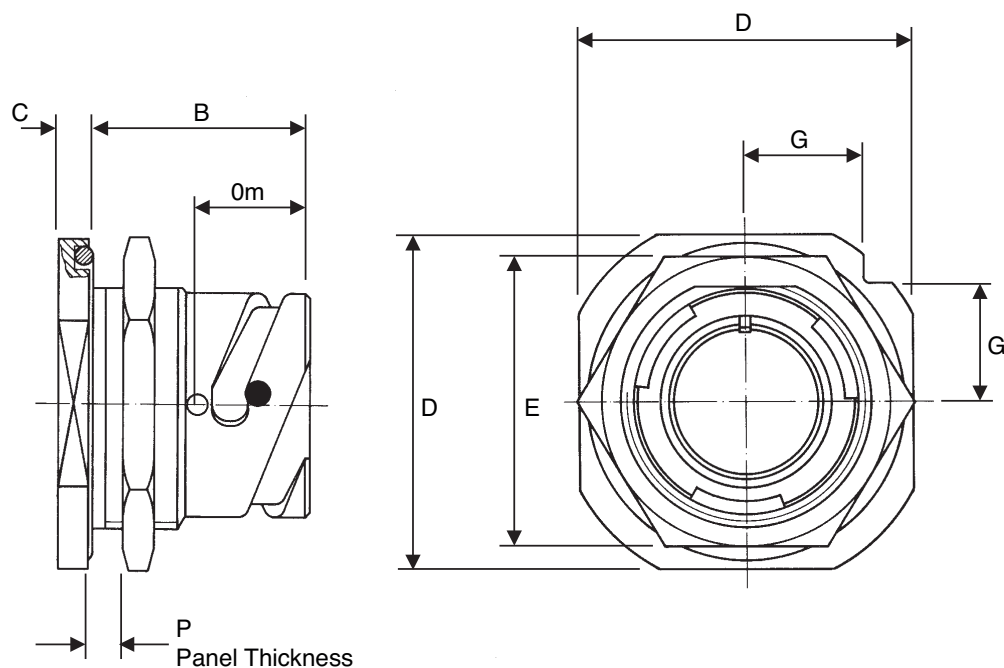
Metric  
Imperial

**Note.** Maximum panel thickness when using cap head screws.  
When using countersunk screws, maximum panel thickness = 7.5 mm.

See page 90 for panel mounting details.

| Shell Size | A Max          | B Max          | C Max          | d1<br>+0,2 -0<br>+0.008-0 | d2 Thread | E Max         | P See Note    | Om Min Overlap Mated |
|------------|----------------|----------------|----------------|---------------------------|-----------|---------------|---------------|----------------------|
| 10SL       | 38,20<br>1.504 | 17,60<br>0.693 | 25,70<br>1.012 | 3,20<br>0.126             | M4        | 3,00<br>0.118 | 3,30<br>0.130 | 11,10<br>0.437       |
| 14S        | 38,20<br>1.504 | 18,00<br>0.709 | 30,30<br>1.193 | 3,20<br>0.126             | M4        | 3,40<br>0.134 | 3,30<br>0.130 | 11,10<br>0.437       |
| 16S        | 38,20<br>1.504 | 18,00<br>0.709 | 32,80<br>1.291 | 3,20<br>0.126             | M4        | 3,40<br>0.134 | 3,30<br>0.130 | 11,10<br>0.437       |
| 16         | 52,10<br>2.051 | 22,80<br>0.898 | 32,80<br>1.291 | 3,20<br>0.126             | M4        | 3,40<br>0.134 | 3,30<br>0.130 | 15,85<br>0.624       |
| 18         | 52,10<br>2.051 | 23,60<br>0.929 | 35,30<br>1.390 | 3,20<br>0.126             | M4        | 4,20<br>0.165 | 3,30<br>0.130 | 15,85<br>0.624       |
| 20         | 52,10<br>2.051 | 23,60<br>0.929 | 38,30<br>1.508 | 3,20<br>0.126             | M4        | 4,20<br>0.165 | 3,30<br>0.130 | 15,85<br>0.624       |
| 22         | 52,10<br>2.051 | 23,60<br>0.929 | 41,30<br>1.626 | 3,20<br>0.126             | M4        | 4,20<br>0.165 | 3,30<br>0.130 | 15,75<br>0.620       |
| 24         | 52,10<br>2.051 | 25,20<br>0.992 | 44,80<br>1.764 | 3,70<br>0.146             | M4        | 4,20<br>0.165 | 3,30<br>0.130 | 15,75<br>0.620       |
| 28         | 52,10<br>2.051 | 25,20<br>0.992 | 51,10<br>2.012 | 3,70<br>0.146             | M5        | 4,20<br>0.165 | 3,30<br>0.130 | 15,75<br>0.620       |
| 32         | 52,10<br>2.051 | 26,80<br>1.055 | 57,30<br>2.256 | 4,30<br>0.169             | M5        | 4,20<br>0.165 | 3,30<br>0.130 | 15,75<br>0.620       |
| 36         | 52,10<br>2.051 | 26,80<br>1.055 | 63,80<br>2.512 | 4,30<br>0.169             | M5        | 4,20<br>0.165 | 3,30<br>0.130 | 15,75<br>0.620       |
| 40         | 52,10<br>2.051 | 26,80<br>1.055 | 70,20<br>2.764 | 4,30<br>0.169             | M5        | 4,20<br>0.165 | 3,30<br>0.130 | 15,75<br>0.620       |

**SINGLE HOLE MOUNTING RECEPTACLE  
REAR MOUNTED (NO ACCESSORY THREAD)  
STYLE: CIRH09A**

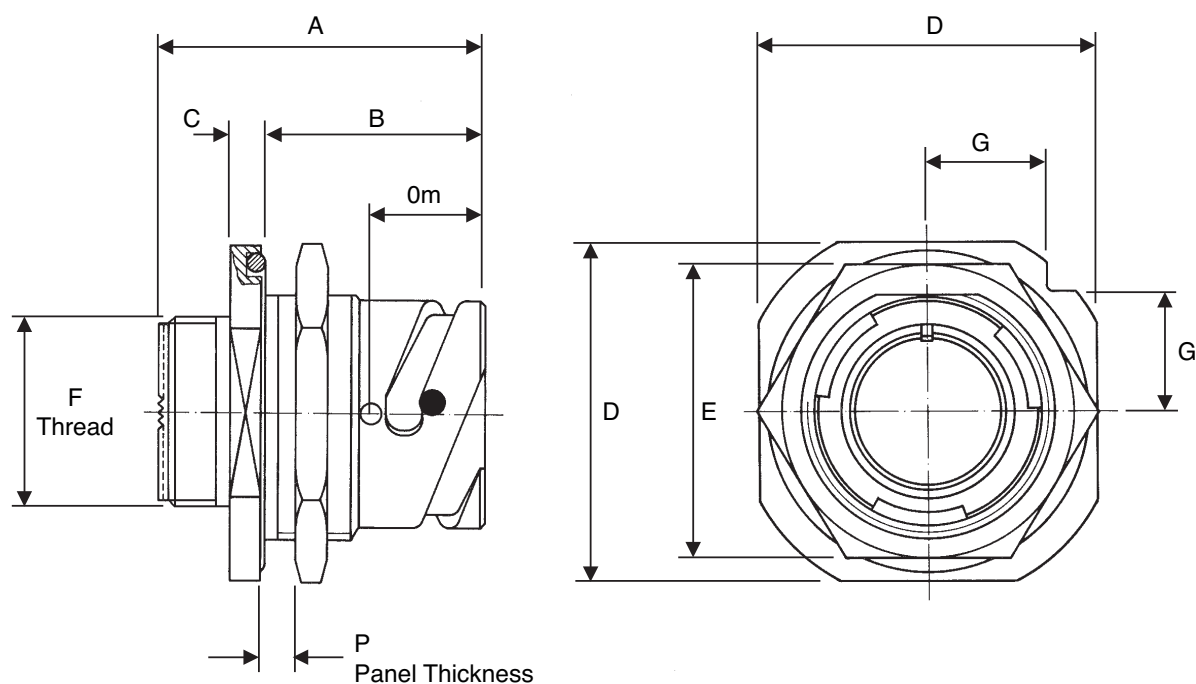


Metric  
Imperial

See page 91 for panel mounting details.

| Shell Size | B              | C             | D Max          | E              | G              | P             |               | Om Min Overlap Mated |
|------------|----------------|---------------|----------------|----------------|----------------|---------------|---------------|----------------------|
|            |                |               |                |                |                | Min           | Max           |                      |
| 10SL       | 24,50<br>0.965 | 4,00<br>0.157 | 32,05<br>1.262 | 27,00<br>1.063 | 11,20<br>0.441 | 2,40<br>0.094 | 5,20<br>0.205 | 11,10<br>0.437       |
| 14S        | 26,80<br>1.055 | 4,80<br>0.189 | 41,55<br>1.636 | 33,00<br>1.299 | 14,60<br>0.575 | 2,40<br>0.094 | 7,50<br>0.295 | 11,10<br>0.437       |
| 16S        | 26,80<br>1.055 | 4,80<br>0.189 | 44,65<br>1.758 | 38,10<br>1.500 | 15,70<br>0.618 | 2,40<br>0.094 | 7,50<br>0.295 | 11,10<br>0.437       |
| 16         | 32,10<br>1.264 | 4,80<br>0.189 | 44,65<br>1.758 | 38,10<br>1.500 | 15,70<br>0.618 | 2,40<br>0.094 | 7,50<br>0.295 | 15,85<br>0.624       |
| 18         | 33,70<br>1.327 | 4,80<br>0.189 | 47,85<br>1.884 | 39,70<br>1.563 | 16,80<br>0.661 | 2,40<br>0.094 | 9,00<br>0.354 | 15,85<br>0.624       |
| 20         | 33,70<br>1.327 | 4,80<br>0.189 | 51,05<br>2.034 | 44,00<br>1.732 | 18,00<br>0.709 | 2,40<br>0.094 | 9,00<br>0.354 | 15,85<br>0.624       |
| 22         | 33,70<br>1.327 | 4,80<br>0.189 | 54,45<br>2.144 | 46,00<br>1.811 | 20,20<br>0.795 | 2,40<br>0.094 | 9,10<br>0.358 | 15,75<br>0.620       |
| 24         | 33,70<br>1.327 | 4,80<br>0.189 | 57,45<br>2.262 | 50,80<br>2.000 | 20,20<br>0.795 | 2,40<br>0.094 | 9,10<br>0.358 | 15,75<br>0.620       |
| 28         | 35,20<br>1.386 | 5,60<br>0.220 | 63,75<br>2.510 | 55,00<br>2.165 | 22,50<br>0.886 | 2,40<br>0.094 | 8,50<br>0.335 | 15,75<br>0.620       |
| 32         | 35,20<br>1.386 | 5,60<br>0.220 | 70,05<br>2.758 | 62,00<br>2.441 | 24,70<br>0.972 | 2,40<br>0.094 | 8,50<br>0.335 | 15,75<br>0.620       |
| 36         | 35,20<br>1.386 | 5,60<br>0.220 | 76,45<br>3.010 | 71,00<br>2.795 | 26,90<br>1.059 | 2,40<br>0.094 | 8,30<br>0.327 | 15,75<br>0.620       |
| 40         | 35,20<br>1.386 | 5,60<br>0.220 | 83,75<br>3.297 | 75,00<br>2.953 | 29,60<br>1.165 | 2,40<br>0.094 | 8,30<br>0.327 | 15,75<br>0.620       |

**SINGLE HOLE MOUNTING RECEPTACLE  
REAR MOUNTED  
STYLE: CIRH09T**

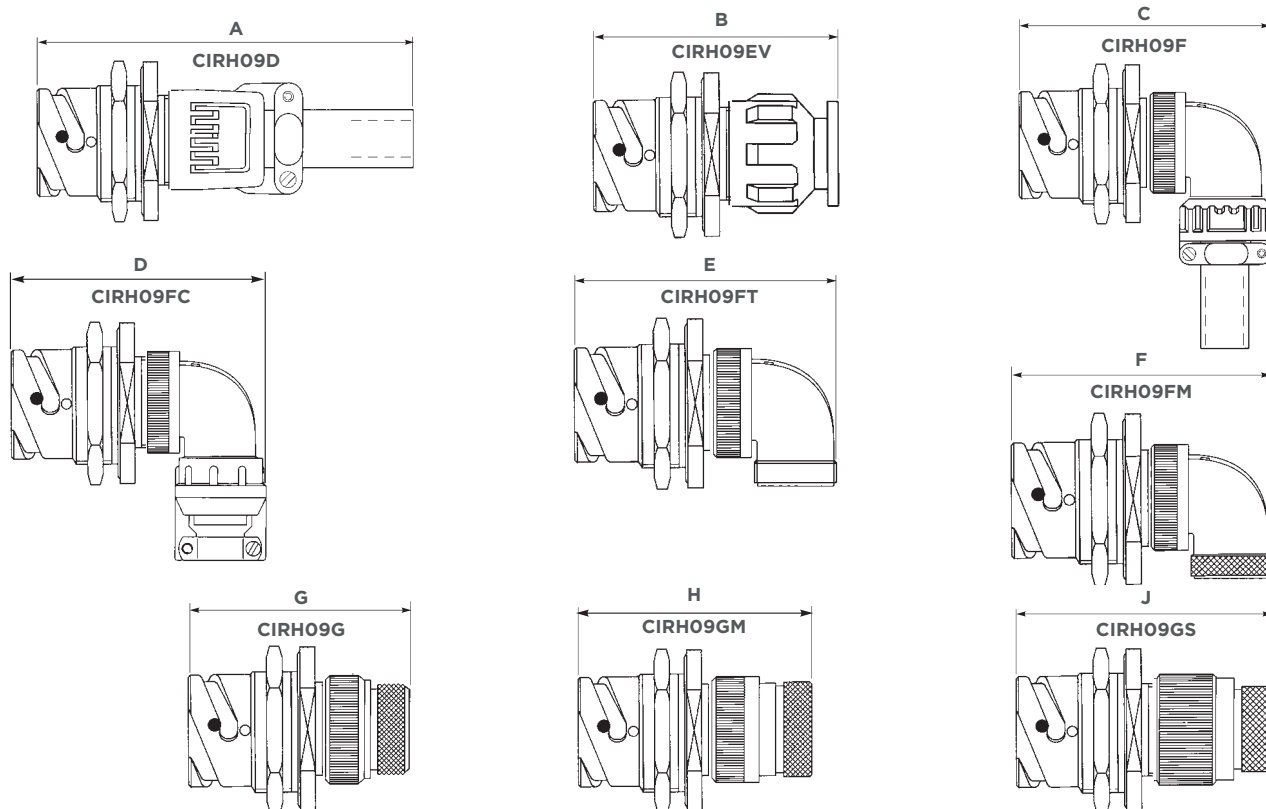


Metric  
Imperial

See page 91 for panel mounting details.

| Shell Size | A Max          | B              | C             | D Max          | E              | F Thread Dia. Class 2A      | G              | P             |               | Om Min Overlap Mated |
|------------|----------------|----------------|---------------|----------------|----------------|-----------------------------|----------------|---------------|---------------|----------------------|
|            |                |                |               |                |                |                             |                | Min           | Max           |                      |
| 10SL       | 36,45<br>1.435 | 24,50<br>0.965 | 4,00<br>0.157 | 32,05<br>1.262 | 27,00<br>1.063 | $\frac{5}{8}$ " x 24 UNEF   | 11,20<br>0.441 | 2,40<br>0.094 | 5,20<br>0.205 | 11,10<br>0.437       |
| 14S        | 39,15<br>1.541 | 26,80<br>1.055 | 4,80<br>0.189 | 41,55<br>1.636 | 33,00<br>1.299 | $\frac{3}{4}$ " x 20 UNEF   | 14,60<br>0.575 | 2,40<br>0.094 | 7,50<br>0.295 | 11,10<br>0.437       |
| 16S        | 39,15<br>1.541 | 26,80<br>1.055 | 4,80<br>0.189 | 44,65<br>1.758 | 38,10<br>1.500 | $\frac{7}{8}$ " x 20 UNEF   | 15,70<br>0.618 | 2,40<br>0.094 | 7,50<br>0.295 | 11,10<br>0.437       |
| 16         | 48,75<br>1.919 | 32,10<br>1.264 | 4,80<br>0.189 | 44,65<br>1.758 | 38,10<br>1.500 | $\frac{7}{8}$ " x 20 UNEF   | 15,70<br>0.618 | 2,40<br>0.094 | 7,50<br>0.295 | 15,85<br>0.624       |
| 18         | 49,55<br>1.951 | 33,70<br>1.327 | 4,80<br>0.189 | 47,85<br>1.884 | 39,70<br>1.563 | 1" x 20 UNEF                | 16,80<br>0.661 | 2,40<br>0.094 | 9,00<br>0.354 | 15,85<br>0.624       |
| 20         | 49,55<br>1.951 | 33,70<br>1.327 | 4,80<br>0.189 | 51,05<br>2.034 | 44,00<br>1.732 | 1 $\frac{1}{8}$ " x 18 UNEF | 18,00<br>0.709 | 2,40<br>0.094 | 9,00<br>0.354 | 15,85<br>0.624       |
| 22         | 49,55<br>1.951 | 33,70<br>1.327 | 4,80<br>0.189 | 54,45<br>2.144 | 46,00<br>1.811 | 1 $\frac{1}{4}$ " x 18 UNEF | 20,20<br>0.795 | 2,40<br>0.094 | 9,10<br>0.358 | 15,75<br>0.620       |
| 24         | 49,55<br>1.951 | 33,70<br>1.327 | 4,80<br>0.189 | 57,45<br>2.262 | 50,80<br>2.000 | 1 $\frac{3}{8}$ " x 18 UNEF | 20,20<br>0.795 | 2,40<br>0.094 | 9,10<br>0.358 | 15,75<br>0.620       |
| 28         | 52,15<br>2.053 | 35,20<br>1.386 | 5,60<br>0.220 | 63,75<br>2.510 | 55,00<br>2.165 | 1 $\frac{5}{8}$ " x 18 UNEF | 22,50<br>0.886 | 2,40<br>0.094 | 8,50<br>0.335 | 15,75<br>0.620       |
| 32         | 52,15<br>2.053 | 35,20<br>1.386 | 5,60<br>0.220 | 70,05<br>2.758 | 62,00<br>2.441 | 1 $\frac{7}{8}$ " x 16 UN   | 24,70<br>0.972 | 2,40<br>0.094 | 8,50<br>0.335 | 15,75<br>0.620       |
| 36         | 52,15<br>2.053 | 35,20<br>1.386 | 5,60<br>0.220 | 76,45<br>3.010 | 71,00<br>2.795 | 2 $\frac{1}{16}$ " x 16 UNS | 26,90<br>1.059 | 2,40<br>0.094 | 8,30<br>0.327 | 15,75<br>0.620       |
| 40         | 52,15<br>2.053 | 35,20<br>1.386 | 5,60<br>0.220 | 83,75<br>3.297 | 75,00<br>2.953 | 2 $\frac{5}{16}$ " x 16 UN  | 29,60<br>1.165 | 2,40<br>0.094 | 8,30<br>0.327 | 15,75<br>0.620       |

# CIRH '09' STYLE CONNECTOR & ACCESSORY

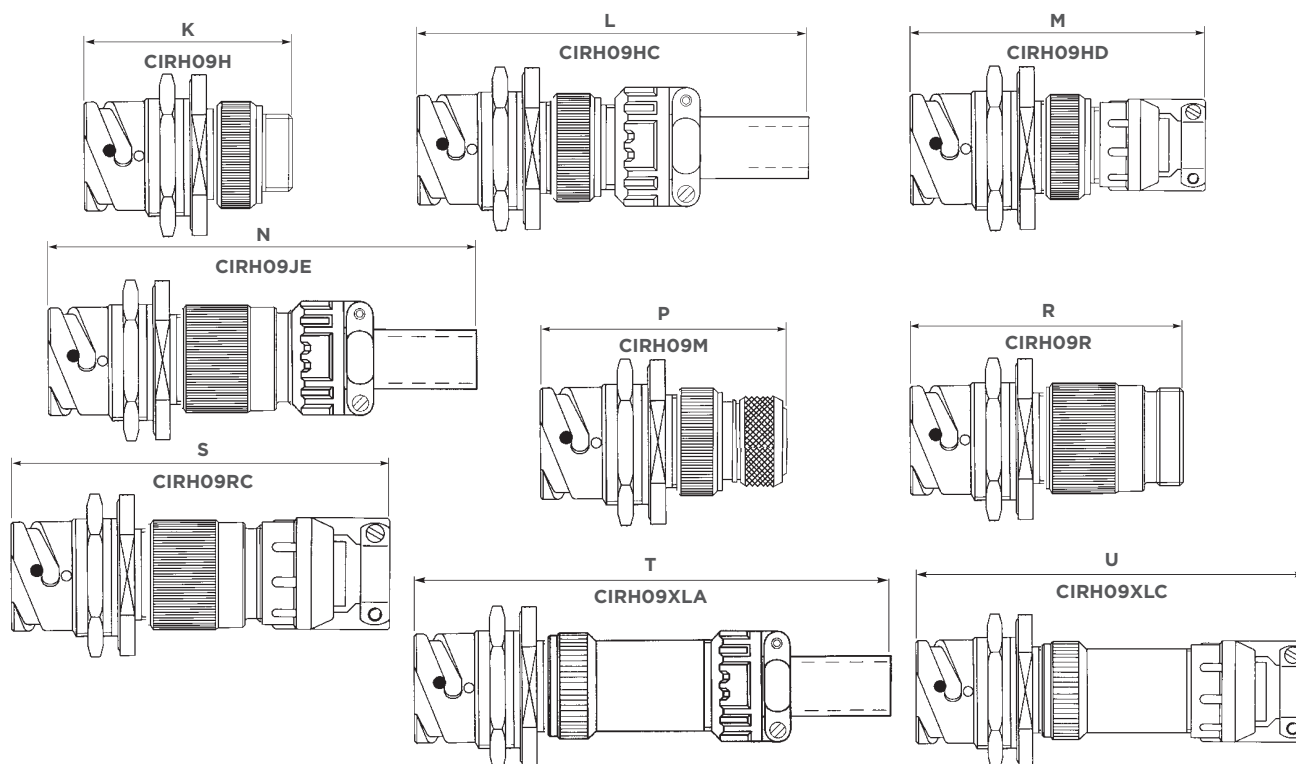


Metric  
Imperial

| Shell Size | A               | B              | ++C             | ++D             | ++E             | ++F             | ++G            | ++H            | J              |
|------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|
| 10SL       | 116,00<br>4.567 | 51,00<br>2.008 | 65,00<br>2.560  | 65,00<br>2.560  | 61,00<br>2.402  | 61,00<br>2.402  | 57,00<br>2.244 | 61,00<br>2.402 | *              |
| 14S        | 117,00<br>4.606 | 54,00<br>2.126 | 70,00<br>2.756  | 71,00<br>2.795  | 67,00<br>2.638  | 67,00<br>2.638  | 60,00<br>2.362 | 64,00<br>2.520 | *              |
| 16S        | 114,00<br>4.488 | 54,00<br>2.126 | 72,00<br>2.835  | 74,00<br>2.913  | 70,00<br>2.756  | 70,00<br>2.756  | 60,00<br>2.362 | 64,00<br>2.520 | *              |
| 16         | 124,00<br>4.882 | 67,00<br>2.638 | 84,00<br>3.307  | 83,00<br>3.268  | 78,00<br>3.071  | 80,00<br>3.150  | 69,00<br>2.717 | 77,00<br>3.031 | *              |
| 18         | 128,00<br>5.040 | 68,00<br>2.677 | 89,00<br>3.504  | 89,00<br>3.504  | 85,00<br>3.346  | 85,00<br>3.346  | 72,00<br>2.835 | 78,00<br>3.071 | 88,00<br>3.465 |
| 20         | 127,00<br>5.000 | 68,00<br>2.677 | 94,00<br>3.700  | 95,00<br>3.740  | 91,00<br>3.583  | 91,00<br>3.583  | 73,00<br>2.875 | 82,00<br>3.228 | 93,00<br>3.661 |
| 22         | 127,00<br>5.000 | 68,00<br>2.677 | 94,00<br>3.700  | 96,00<br>3.780  | 91,00<br>3.583  | 91,00<br>3.583  | 76,00<br>2.992 | 82,00<br>3.228 | 94,00<br>3.700 |
| 24         | 122,00<br>4.803 | 68,00<br>2.677 | 102,00<br>4.016 | 103,00<br>4.055 | 99,00<br>3.898  | 99,00<br>3.898  | 73,00<br>2.875 | 82,00<br>3.228 | 94,00<br>3.700 |
| 28         | 135,00<br>5.315 | 70,00<br>2.756 | 104,00<br>4.094 | 105,00<br>4.134 | 101,00<br>3.976 | 101,00<br>3.976 | 79,00<br>3.110 | 83,00<br>3.268 | 97,00<br>3.700 |
| 32         | 131,00<br>5.157 | 70,00<br>2.756 | 114,00<br>4.488 | 117,00<br>4.606 | 111,00<br>4.370 | 111,00<br>4.370 | 77,00<br>3.031 | 83,00<br>3.268 | 96,00<br>3.780 |
| 36         | 128,00<br>5.040 | 70,00<br>2.756 | 120,00<br>4.724 | 121,00<br>4.764 | 117,00<br>4.606 | 117,00<br>4.606 | 83,00<br>3.268 | 84,00<br>3.307 | 96,00<br>3.780 |
| 40         | NA              | 70,00<br>2.756 | 127,00<br>5.000 | 128,00<br>5.039 | 123,00<br>4.843 | 123,00<br>4.843 | 84,00<br>3.307 | 84,00<br>3.307 | 96,00<br>3.780 |

\* Please consult TE for availability. ++ For connector with locking accessory, please refer to the Sales office.

# CIRH '09' STYLE CONNECTOR & ACCESSORY CONT.

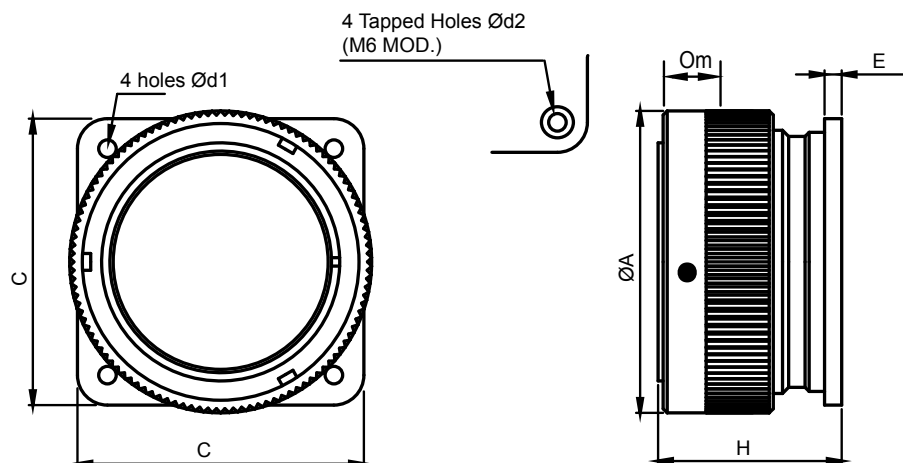


Metric  
Imperial

| Shell Size | ++K            | ++L             | ++M             | N               | ++P            | R              | S               | ++T             | ++U             |
|------------|----------------|-----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|
| 10SL       | 57,00<br>2.244 | 130,00<br>5.118 | 88,00<br>3.465  | 130,00<br>5.118 | 61,00<br>2.402 | 59,00<br>2.323 | 90,00<br>3.543  | 148,00<br>5.827 | 109,00<br>4.291 |
| 14S        | 60,00<br>2.362 | 129,00<br>5.079 | 91,00<br>3.583  | 128,00<br>5.039 | 66,00<br>2.598 | 61,00<br>2.402 | 92,00<br>3.622  | 147,00<br>5.787 | 112,00<br>4.409 |
| 16S        | 60,00<br>2.362 | 131,00<br>5.157 | 91,00<br>3.583  | 125,00<br>4.921 | 66,00<br>2.598 | 61,00<br>2.402 | 92,00<br>3.622  | 144,00<br>5.669 | 112,00<br>4.409 |
| 16         | 72,00<br>2.835 | 135,00<br>5.315 | 101,00<br>3.976 | 136,00<br>5.354 | 76,00<br>2.992 | 72,00<br>2.835 | 103,00<br>4.055 | 134,00<br>5.276 | 133,00<br>5.236 |
| 18         | 73,00<br>2.875 | 138,00<br>5.433 | 105,00<br>4.134 | 140,00<br>5.512 | 80,00<br>3.150 | 79,00<br>3.110 | 112,00<br>4.409 | 162,00<br>6.378 | 134,00<br>5.276 |
| 20         | 73,00<br>2.875 | 133,00<br>5.236 | 105,00<br>4.134 | 137,00<br>5.394 | 80,00<br>3.150 | 79,00<br>3.110 | 112,00<br>4.409 | 159,00<br>6.260 | 134,00<br>5.276 |
| 22         | 73,00<br>2.875 | 133,00<br>5.236 | 105,00<br>4.134 | 137,00<br>5.394 | 80,00<br>3.150 | 79,00<br>3.110 | 112,00<br>4.409 | 159,00<br>6.260 | 134,00<br>5.276 |
| 24         | 73,00<br>2.875 | 120,00<br>4.724 | 108,00<br>4.252 | 137,00<br>5.394 | 80,00<br>3.150 | 79,00<br>3.110 | 112,00<br>4.409 | 159,00<br>6.260 | 134,00<br>5.276 |
| 28         | 75,00<br>2.953 | 123,00<br>4.843 | 112,00<br>4.409 | 140,00<br>5.512 | 81,00<br>3.189 | 86,00<br>3.386 | 121,00<br>4.764 | 165,00<br>6.496 | 147,00<br>5.787 |
| 32         | 74,00<br>2.913 | 122,00<br>4.803 | 116,00<br>4.567 | 136,00<br>5.354 | 81,00<br>3.189 | 85,00<br>3.346 | 127,00<br>5.000 | 162,00<br>6.378 | 153,00<br>6.024 |
| 36         | 74,00<br>2.913 | 122,00<br>4.803 | 122,00<br>4.803 | 133,00<br>5.236 | 81,00<br>3.189 | 85,00<br>3.346 | 133,00<br>5.236 | 159,00<br>6.260 | 159,00<br>6.260 |
| 40         | 74,00<br>2.913 | 119,00<br>4.685 | 123,00<br>4.843 | 131,00<br>5.157 | 81,00<br>3.189 | 86,00<br>3.386 | 128,00<br>5.039 | 155,00<br>6.102 | 159,00<br>6.260 |

++ For connector with locking accessory, please refer to TE

**PANEL MOUNTED PLUG (NO ACCESSORY THREAD)**  
**STYLE: CIRH12A/CIRH12A...M6**

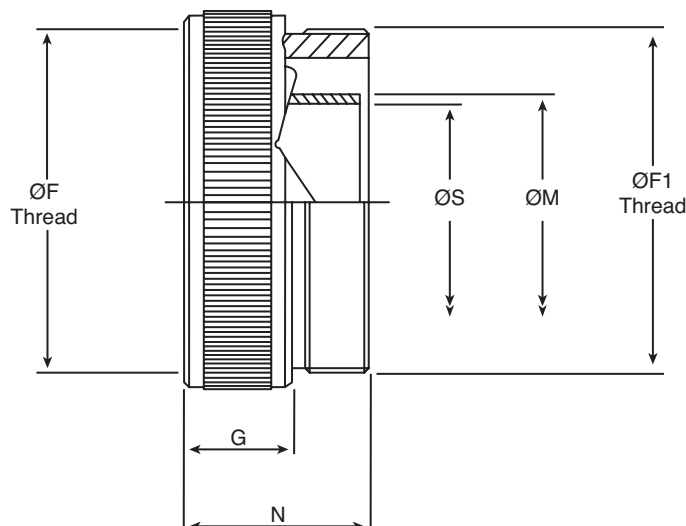
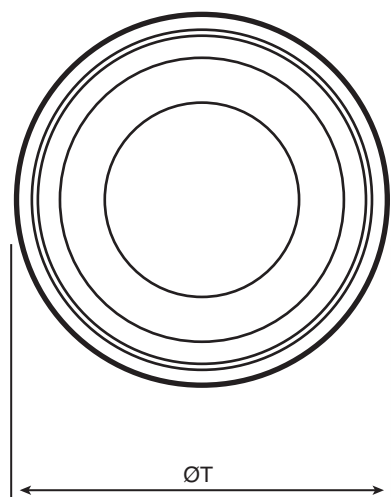


Metric  
Imperial

**Note:** No provision for rear sealing - contact factory if required.  
 See page 90 for panel mounting details.

| Shell Size | A Max.         | C Max.         | d1<br>+0.2, -0 mm | d2<br>Thread | E Max.        | H Max.         | Om Min.<br>Overlap, mated |
|------------|----------------|----------------|-------------------|--------------|---------------|----------------|---------------------------|
| 10SL       | 24,20<br>0.953 | 25,70<br>1.012 | 3.20<br>0.126     | M4           | 3,00<br>0.118 | 28,10<br>1.106 | 11,10<br>0.437            |
| 14S        | 30,60<br>1.205 | 30,30<br>1.193 | 3.20<br>0.126     | M4           | 3,40<br>0.134 | 28,10<br>1.106 | 11,10<br>0.437            |
| 16S        | 33,40<br>1.315 | 32,80<br>1.291 | 3.20<br>0.126     | M4           | 3,40<br>0.134 | 28,10<br>1.106 | 11,10<br>0.437            |
| 16         | 33,40<br>1.315 | 32,80<br>1.291 | 3.20<br>0.126     | M4           | 3,40<br>0.134 | 37,60<br>1.480 | 15,85<br>0.624            |
| 18         | 37,30<br>1.469 | 35,30<br>1.390 | 3.20<br>0.126     | M4           | 4,20<br>0.165 | 38,60<br>1.519 | 15,85<br>0.624            |
| 20         | 40,70<br>1.602 | 38,30<br>1.508 | 3.20<br>0.126     | M4           | 4,20<br>0.165 | 38,60<br>1.519 | 15,85<br>0.624            |
| 22         | 44,20<br>1.740 | 41,30<br>1.626 | 3.20<br>0.126     | M4           | 4,20<br>0.165 | 38,60<br>1.519 | 15,85<br>0.624            |
| 24         | 47,70<br>1.878 | 44,80<br>1.764 | 3.20<br>0.126     | M4           | 4,20<br>0.165 | 41,00<br>1.614 | 15,75<br>0.620            |
| 28         | 54,50<br>2.146 | 51,10<br>2.012 | 3.20<br>0.126     | M5           | 4,20<br>0.165 | 41,80<br>1.646 | 15,75<br>0.620            |
| 32         | 61,40<br>2.417 | 57,30<br>2.256 | 4,30<br>0.169     | M5           | 4,20<br>0.165 | 45,00<br>1.772 | 15,75<br>0.620            |
| 36         | 68,00<br>2.677 | 63,80<br>2.512 | 4,30<br>0.169     | M5           | 4,20<br>0.165 | 45,00<br>1.772 | 15,75<br>0.620            |
| 40         | 74,00<br>2.913 | 70,20<br>2.764 | 4,30<br>0.169     | M5           | 4,20<br>0.165 | 45,00<br>1.772 | 15,75<br>0.620            |

**CONDUIT ADAPTOR WITH BRAID SCREEN TRAP - NO GROMMET ACCESSORY**  
**TYPE 'RM'**  
**STYLE: CIRB - \*\* - CRA**



Metric  
Imperial

**Note:** This accessory can only be used in conjunction with style 'H' or 'FT' adaptor.

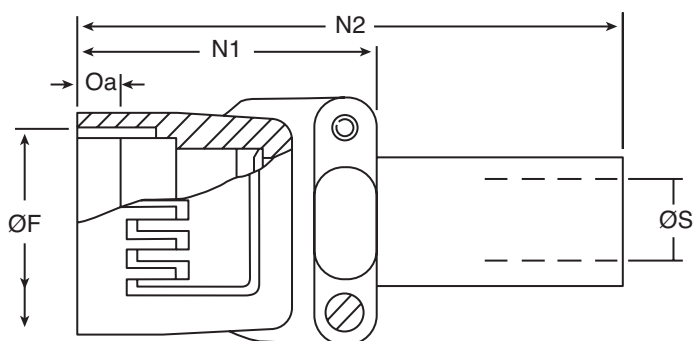
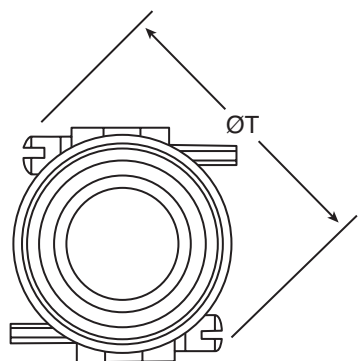
**How to order:**

CIRB - \*\* - CRA  
 Shell size

| Shell Size | F Thread<br>Dia. Class<br>2B | F1 Thread<br>Dia. Class<br>2A | G<br>Max              | N<br>Max              | S<br>Min              | T<br>Max              | M<br>Max              |
|------------|------------------------------|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 10SL       | $\frac{5}{8}$ " x 24 UNEF    | $\frac{3}{4}$ " x 20 UNEF     | 11,00<br><b>0.433</b> | 23,10<br><b>0.909</b> | 8,40<br><b>0.331</b>  | 18,50<br><b>0.728</b> | 10,10<br><b>0.398</b> |
| 14S        | $\frac{3}{4}$ " x 20 UNEF    | $\frac{7}{8}$ " x 20 UNEF     | 10,00<br><b>0.394</b> | 27,60<br><b>1.087</b> | 8,51<br><b>0.335</b>  | 21,53<br><b>0.848</b> | 11,71<br><b>0.461</b> |
| 16S        | $\frac{7}{8}$ " x 20 UNEF    | 1" x 20 UNEF                  | 10,00<br><b>0.394</b> | 27,60<br><b>1.087</b> | 9,74<br><b>0.383</b>  | 25,50<br><b>1.004</b> | 13,10<br><b>0.516</b> |
| 16         | $\frac{7}{8}$ " x 20 UNEF    | 1" x 20 UNEF                  | 11,00<br><b>0.433</b> | 30,60<br><b>1.205</b> | 9,74<br><b>0.383</b>  | 25,50<br><b>1.004</b> | 13,10<br><b>0.516</b> |
| 18         | 1" x 20 UNEF                 | $1\frac{2}{16}$ " x 18 UNEF   | 11,00<br><b>0.433</b> | 30,60<br><b>1.205</b> | 12,90<br><b>0.508</b> | 29,10<br><b>1.146</b> | 16,26<br><b>0.640</b> |
| 20         | $1\frac{3}{16}$ " x 18 UNEF  | $1\frac{7}{16}$ " x 18 UNEF   | 11,00<br><b>0.433</b> | 30,60<br><b>1.205</b> | 18,23<br><b>0.718</b> | 35,45<br><b>1.396</b> | 21,51<br><b>0.847</b> |
| 22         | $1\frac{3}{16}$ " x 18 UNEF  | $1\frac{7}{16}$ " x 18 UNEF   | 11,00<br><b>0.433</b> | 30,60<br><b>1.205</b> | 18,23<br><b>0.718</b> | 35,45<br><b>1.396</b> | 21,51<br><b>0.847</b> |
| 24         | $1\frac{7}{16}$ " x 18 UNEF  | $1\frac{3}{4}$ " x 18 UNS     | 11,00<br><b>0.433</b> | 30,60<br><b>1.205</b> | 25,93<br><b>1.021</b> | 43,60<br><b>1.717</b> | 29,21<br><b>1.150</b> |
| 28         | $1\frac{7}{16}$ " x 18 UNEF  | $1\frac{3}{4}$ " x 18 UNS     | 11,00<br><b>0.433</b> | 30,60<br><b>1.205</b> | 25,93<br><b>1.021</b> | 43,60<br><b>1.717</b> | 29,21<br><b>1.150</b> |
| 32         | $1\frac{3}{4}$ " x 18 UNS    | $1\frac{3}{4}$ " x 18 UNS     | 13,00<br><b>0.512</b> | 30,60<br><b>1.205</b> | 25,93<br><b>1.021</b> | 49,55<br><b>1.951</b> | 29,10<br><b>1.146</b> |
| 36         | 2" x 18 UNS                  | 2" x 18 UNS                   | 13,00<br><b>0.512</b> | 30,60<br><b>1.205</b> | 32,00<br><b>1.260</b> | 55,90<br><b>2.201</b> | 35,19<br><b>1.385</b> |
| 40         | $2\frac{1}{4}$ " x 16 UN     | $2\frac{1}{4}$ " x 16 UN      | 13,00<br><b>0.512</b> | 30,60<br><b>1.205</b> | 32,33<br><b>1.273</b> | 63,10<br><b>2.484</b> | 35,60<br><b>1.402</b> |

\*Please consult TE for availability.

**NON-LOCKING CABLE CLAMP WITH GROMMET & FOLLOWER ACCESSORY**  
**TYPE 'D'**  
**STYLE: CIRBH - \*\* - \*\* - OCN - F80**



Metric  
Imperial

**How to order:**

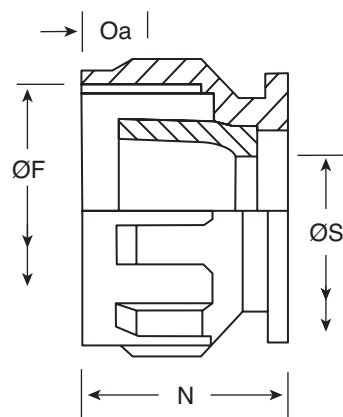
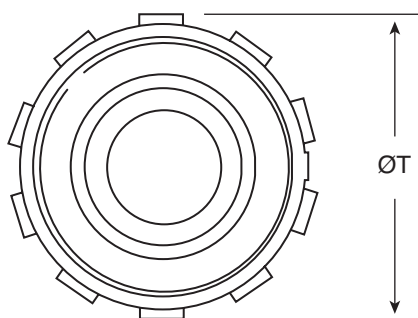
CIRBH - \*\* - \*\* - OCN- F80

Shell size

Contact arrangement

| Shell Size  | F Thread Dia. Class 2B     | N1 Max                | N2 Max                | S Min/Max                         | T Max                 | Oa Min Overlap Accessory |
|-------------|----------------------------|-----------------------|-----------------------|-----------------------------------|-----------------------|--------------------------|
| <b>10SL</b> | $\frac{5}{8}$ " x 24 UNEF  | 36,42<br><b>1.434</b> | 86,68<br><b>3.413</b> | 3,68/5,76<br><b>0.145/0.227</b>   | 35,15<br><b>1.384</b> | 7,00<br><b>0.276</b>     |
| <b>14S</b>  | $\frac{3}{4}$ " x 20 UNEF  | 27,41<br><b>1.079</b> | 85,04<br><b>3.348</b> | 4,62/8,10<br><b>0.182/0.319</b>   | 39,88<br><b>1.570</b> | 7,00<br><b>0.276</b>     |
| <b>16S</b>  | $\frac{7}{8}$ " x 20 UNEF  | 27,41<br><b>1.079</b> | 81,99<br><b>3.228</b> | 7,82/11,30<br><b>0.308/0.444</b>  | 41,45<br><b>1.632</b> | 7,00<br><b>0.276</b>     |
| <b>16</b>   | $\frac{7}{8}$ " x 20 UNEF  | 27,41<br><b>1.079</b> | 81,99<br><b>3.228</b> | 7,82/11,30<br><b>0.308/0.444</b>  | 41,45<br><b>1.632</b> | 7,00<br><b>0.276</b>     |
| <b>18</b>   | 1" x 20 UNEF               | 44,68<br><b>1.759</b> | 85,55<br><b>3.368</b> | 8,79/14,45<br><b>0.346/0.569</b>  | 45,52<br><b>1.792</b> | 7,00<br><b>0.276</b>     |
| <b>20</b>   | $1\frac{1}{8}$ " x 18 UNEF | 44,68<br><b>1.759</b> | 84,61<br><b>3.331</b> | 10,54/16,00<br><b>0.415/0.632</b> | 49,63<br><b>1.954</b> | 7,00<br><b>0.276</b>     |
| <b>22</b>   | $1\frac{1}{4}$ " x 18 UNEF | 44,68<br><b>1.759</b> | 84,61<br><b>3.331</b> | 10,54/16,00<br><b>0.415/0.632</b> | 49,63<br><b>1.954</b> | 7,00<br><b>0.276</b>     |
| <b>24</b>   | $1\frac{2}{8}$ " x 18 UNEF | 44,68<br><b>1.759</b> | 79,20<br><b>3.118</b> | 14,55/19,23<br><b>0.573/0.757</b> | 56,29<br><b>2.216</b> | 7,00<br><b>0.276</b>     |
| <b>28</b>   | $1\frac{5}{8}$ " x 18 UNEF | 54,79<br><b>2.157</b> | 89,31<br><b>3.516</b> | 14,15/19,23<br><b>0.557/0.757</b> | 60,45<br><b>2.380</b> | 7,00<br><b>0.276</b>     |
| <b>32</b>   | $1\frac{7}{8}$ " x 16 UN   | 54,79<br><b>2.157</b> | 86,13<br><b>3.390</b> | 19,18/23,98<br><b>0.755/0.944</b> | 68,43<br><b>2.694</b> | 7,00<br><b>0.276</b>     |
| <b>36</b>   | $2\frac{1}{16}$ " x 16 UNS | 54,79<br><b>2.157</b> | 82,98<br><b>3.267</b> | 24,51/31,93<br><b>0.965/1.257</b> | 71,68<br><b>2.822</b> | 7,00<br><b>0.276</b>     |

**NON-LOCKING GROMMET NUT**  
**TYPE 'EV'**  
**STYLE: CIRBH - \*\* - \*\* - EV - F80**



Metric  
Imperial

**How to order:**

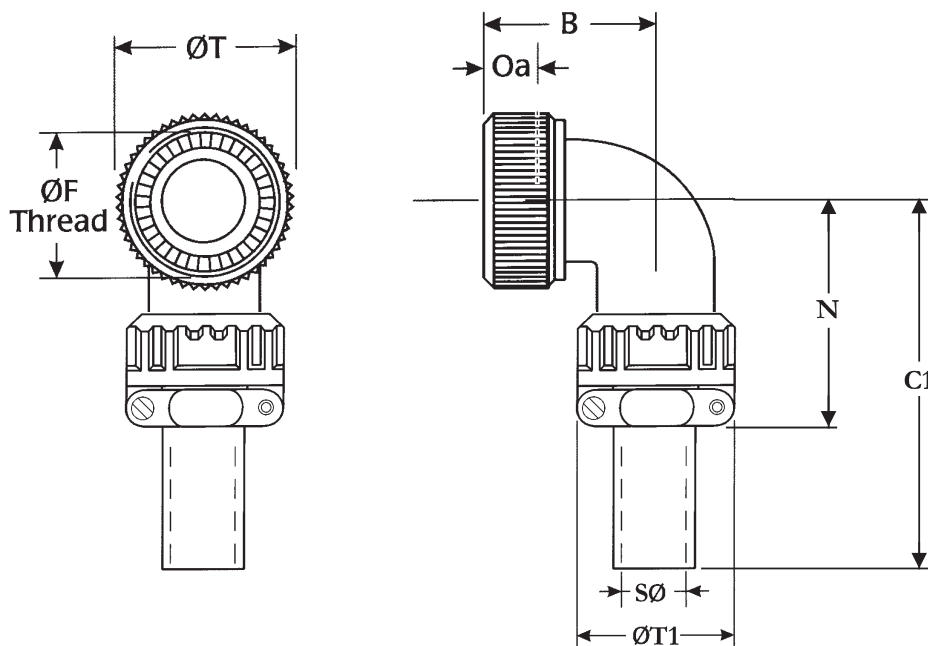
CIRBH - \*\* - \*\* - EV - F80

Shell size

Contact arrangement

| Shell Size | T Max                 | F Thread Dia. Class 2B     | N Max                 | S Min                 | Oa Min Overlap Accessory |
|------------|-----------------------|----------------------------|-----------------------|-----------------------|--------------------------|
| 10SL       | 21,60<br><b>0.850</b> | $\frac{5}{8}$ " x 24 UNEF  | 20,83<br><b>0.820</b> | 8,60<br><b>0.339</b>  | 6,10<br><b>0.240</b>     |
| 14S        | 24,80<br><b>0.976</b> | $\frac{3}{4}$ " x 20 UNEF  | 20,83<br><b>0.820</b> | 11,10<br><b>0.437</b> | 6,10<br><b>0.240</b>     |
| 16S        | 28,70<br><b>1.130</b> | $\frac{7}{8}$ " x 20 UNEF  | 20,83<br><b>0.820</b> | 14,30<br><b>0.563</b> | 6,10<br><b>0.240</b>     |
| 16         | 28,70<br><b>1.130</b> | $\frac{7}{8}$ " x 20 UNEF  | 25,53<br><b>1.005</b> | 14,30<br><b>0.563</b> | 7,60<br><b>0.300</b>     |
| 18         | 31,90<br><b>1.256</b> | 1" x 20 UNEF               | 25,53<br><b>1.005</b> | 16,70<br><b>0.657</b> | 7,60<br><b>0.300</b>     |
| 20         | 34,90<br><b>1.374</b> | $1\frac{1}{8}$ " x 18 UNEF | 25,53<br><b>1.005</b> | 19,80<br><b>0.780</b> | 7,60<br><b>0.300</b>     |
| 22         | 38,20<br><b>1.504</b> | $1\frac{1}{4}$ " x 18 UNEF | 25,53<br><b>1.005</b> | 21,34<br><b>0.840</b> | 7,60<br><b>0.300</b>     |
| 24         | 41,40<br><b>1.630</b> | $1\frac{3}{8}$ " x 18 UNEF | 25,53<br><b>1.005</b> | 25,40<br><b>1.000</b> | 7,60<br><b>0.300</b>     |
| 28         | 47,80<br><b>1.882</b> | $1\frac{5}{8}$ " x 18 UNEF | 25,53<br><b>1.005</b> | 30,13<br><b>1.186</b> | 7,60<br><b>0.300</b>     |
| 32         | 54,10<br><b>2.130</b> | $1\frac{7}{8}$ " x 16 UN   | 25,53<br><b>1.005</b> | 36,73<br><b>1.446</b> | 7,60<br><b>0.300</b>     |
| 36         | 58,70<br><b>2.311</b> | $2\frac{1}{16}$ " x 16 UNS | 25,53<br><b>1.005</b> | 41,00<br><b>1.614</b> | 7,60<br><b>0.300</b>     |
| 40         | 63,00<br><b>2.480</b> | $2\frac{5}{16}$ " x 16 UN  | 25,64<br><b>1.009</b> | 45,90<br><b>1.807</b> | 7,60<br><b>0.300</b>     |

**LOCKING 90° OUTLET WITH CABLE CLAMP & BUSHING**  
**TYPE 'F'**  
**STYLE: CIRBH - \*\* - \*\* - F - F80**



Metric  
Imperial

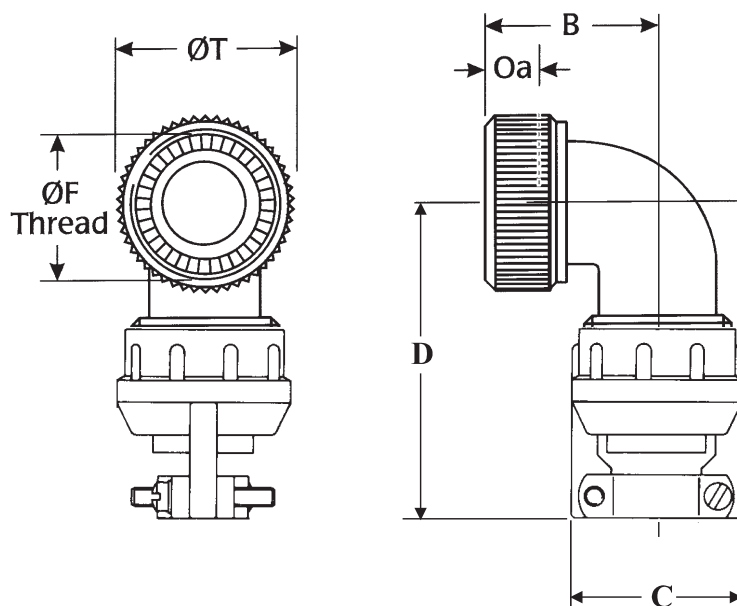
**How to order:**

CIRBH - \*\* - \*\* - F - F80

Shell size ————  
 Contact arrangement ————

| Shell Size | B Max          | C Max          | C1 Max          | F Thread Dia. Class 2B      | N Max          | T Max          | T1 Max         | S Max          | Oa Min Overlap Accessory |
|------------|----------------|----------------|-----------------|-----------------------------|----------------|----------------|----------------|----------------|--------------------------|
| 10SL       | 24,00<br>0.945 | 30,00<br>1.181 | 100,00<br>3.937 | $\frac{5}{8}$ " x 24 UNEF   | 42,00<br>1.654 | 22,00<br>0.866 | 22,70<br>0.894 | 5,76<br>0.227  | 7,00<br>0.276            |
| 14S        | 25,00<br>0.984 | 30,00<br>1.181 | 100,00<br>3.937 | $\frac{3}{4}$ " x 20 UNEF   | 42,00<br>1.654 | 25,00<br>0.984 | 27,50<br>1.083 | 8,10<br>0.319  | 7,00<br>0.276            |
| 16S        | 27,00<br>1.063 | 30,00<br>1.181 | 100,00<br>3.937 | $\frac{7}{8}$ " x 20 UNEF   | 45,00<br>1.772 | 28,00<br>1.102 | 30,00<br>1.181 | 11,30<br>0.444 | 7,00<br>0.276            |
| 16         | 27,00<br>1.063 | 30,00<br>1.181 | 100,00<br>3.937 | $\frac{7}{8}$ " x 20 UNEF   | 45,00<br>1.772 | 28,00<br>1.102 | 30,00<br>1.181 | 11,30<br>0.444 | 7,00<br>0.276            |
| 18         | 30,10<br>1.224 | 35,00<br>1.378 | 100,00<br>3.937 | 1" x 20 UNEF                | 53,00<br>2.087 | 31,00<br>1.220 | 33,00<br>1.299 | 14,45<br>0.569 | 7,00<br>0.276            |
| 20         | 33,00<br>1.299 | 35,00<br>1.378 | 100,00<br>3.937 | 1 $\frac{1}{8}$ " x 18 UNEF | 53,00<br>2.087 | 35,00<br>1.378 | 37,50<br>1.476 | 16,00<br>0.632 | 7,00<br>0.276            |
| 22         | 33,10<br>1.303 | 35,00<br>1.378 | 100,00<br>3.937 | 1 $\frac{1}{4}$ " x 18 UNEF | 53,00<br>2.087 | 38,00<br>1.496 | 37,50<br>1.476 | 16,00<br>0.632 | 7,00<br>0.276            |
| 24         | 37,90<br>1.492 | 40,00<br>1.575 | 100,00<br>3.937 | 1 $\frac{3}{8}$ " x 18 UNEF | 58,00<br>2.283 | 41,00<br>1.614 | 43,30<br>1.705 | 19,23<br>0.757 | 7,00<br>0.276            |
| 28         | 37,10<br>1.461 | 40,00<br>1.575 | 100,00<br>3.937 | 1 $\frac{5}{8}$ " x 18 UNEF | 58,00<br>2.283 | 48,00<br>1.890 | 43,30<br>1.705 | 19,23<br>0.757 | 7,00<br>0.276            |
| 32         | 43,10<br>1.697 | 45,00<br>1.772 | 110,00<br>4.331 | 1 $\frac{7}{8}$ " x 16 UN   | 66,00<br>2.598 | 54,00<br>2.126 | 51,70<br>2.035 | 23,98<br>0.944 | 7,00<br>0.276            |
| 36         | 45,90<br>1.807 | 50,00<br>1.969 | 110,00<br>4.331 | 2 $\frac{1}{16}$ " x 16 UNS | 69,00<br>2.717 | 61,00<br>2.402 | 58,00<br>2.283 | 31,93<br>1.257 | 7,00<br>0.276            |
| 40         | 49,00<br>1.929 | 54,60<br>2.150 | 100,00<br>3.937 | 2 $\frac{5}{16}$ " x 16 UN  | 85,50<br>3.366 | 67,00<br>2.638 | 65,00<br>2.559 | 35,10<br>1.382 | 7,00<br>0.276            |

**LOCKING 90° OUTLET WITH SEALED CABLE CLAMP**  
**TYPE 'FC'**  
**STYLE: CIRBH - \*\* - \*\* - FC - F80**



Metric  
Imperial

**How to order:**

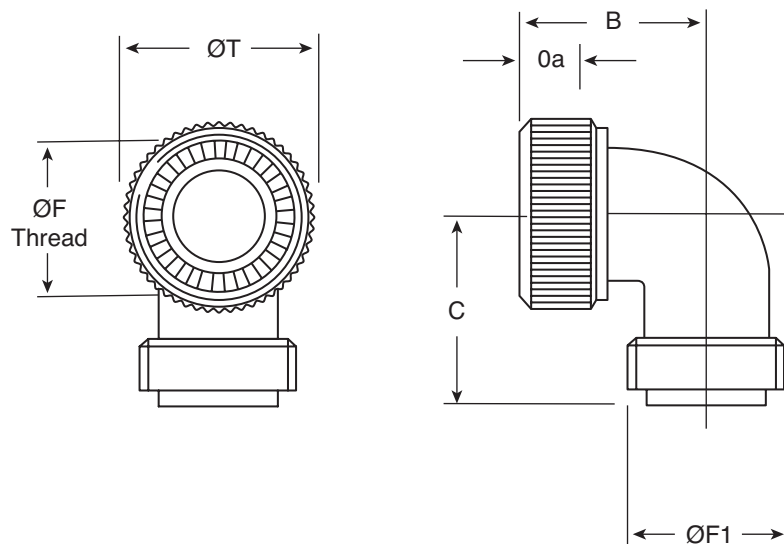
CIRBH - \*\* - \*\* - FC - F80

Shell size

Contact arrangement

| Shell Size | B Max          | C Max          | D Max           | F Thread Dia. Class 2B      | T Max          | Oa Min Overlap Accessory |
|------------|----------------|----------------|-----------------|-----------------------------|----------------|--------------------------|
| 10SL       | 24,00<br>0.945 | 23,80<br>0.937 | 61,00<br>2.402  | $\frac{5}{8}$ " x 24 UNEF   | 22,00<br>0.866 | 7,00<br>0.276            |
| 14S        | 25,00<br>0.984 | 26,97<br>1.062 | 61,00<br>2.402  | $\frac{3}{4}$ " x 20 UNEF   | 25,00<br>0.984 | 7,00<br>0.276            |
| 16S        | 27,00<br>1.063 | 30,18<br>1.188 | 61,00<br>2.402  | $\frac{7}{8}$ " x 20 UNEF   | 28,00<br>1.102 | 7,00<br>0.276            |
| 16         | 27,00<br>1.063 | 30,18<br>1.188 | 61,00<br>2.402  | $\frac{7}{8}$ " x 20 UNEF   | 28,00<br>1.102 | 7,00<br>0.276            |
| 18         | 30,10<br>1.224 | 33,32<br>1.312 | 68,00<br>2.677  | 1" x 20 UNEF                | 31,00<br>1.220 | 7,00<br>0.276            |
| 20         | 33,00<br>1.299 | 39,67<br>1.562 | 68,00<br>2.677  | 1 $\frac{1}{8}$ " x 18 UNEF | 35,00<br>1.378 | 7,00<br>0.276            |
| 22         | 33,10<br>1.303 | 39,67<br>1.562 | 68,00<br>2.677  | 1 $\frac{1}{4}$ " x 18 UNEF | 38,00<br>1.496 | 7,00<br>0.276            |
| 24         | 37,90<br>1.492 | 44,45<br>1.750 | 76,00<br>2.992  | 1 $\frac{3}{8}$ " x 18 UNEF | 41,00<br>1.614 | 7,00<br>0.276            |
| 28         | 37,10<br>1.461 | 44,45<br>1.750 | 76,00<br>2.992  | 1 $\frac{5}{8}$ " x 18 UNEF | 48,00<br>1.890 | 7,00<br>0.276            |
| 32         | 43,10<br>1.697 | 57,15<br>2.250 | 87,00<br>3.425  | 1 $\frac{7}{8}$ " x 16 UN   | 54,00<br>2.126 | 7,00<br>0.276            |
| 36         | 45,90<br>1.807 | 60,33<br>2.375 | 98,00<br>3.858  | 2 $\frac{1}{16}$ " x 16 UNS | 61,00<br>2.402 | 7,00<br>0.276            |
| 40         | 49,00<br>1.929 | 66,68<br>2.625 | 103,00<br>4.055 | 2 $\frac{5}{16}$ " x 16 UN  | 67,00<br>2.638 | 7,00<br>0.276            |

**LOCKING 90° OUTLET WITH GROMMET ACCESSORY**  
**TYPE 'FT'**  
**STYLE: CIRBH - \*\* - \*\* - FT - F80**



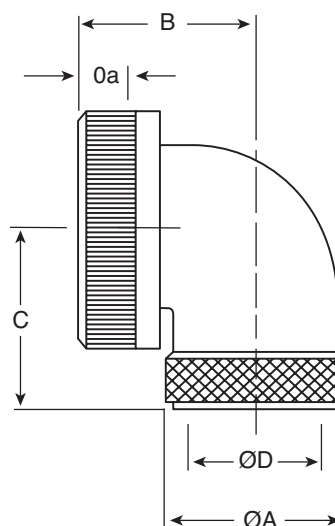
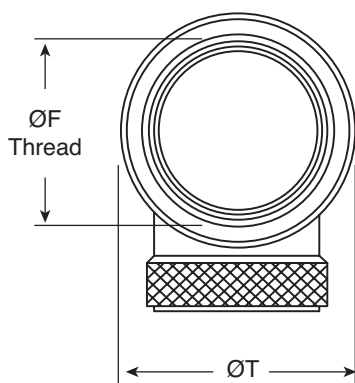
Metric  
Imperial

**How to order:**

CIRBH - \*\* - \*\* - FT - F80  
 Shell size ————  
 Contact arrangement ————

| Shell Size  | B Max                 | C Max                 | F Thread Dia. Class 2B      | F1 Thread Dia. Class 2A      | T Max                 | Oa Min Overlap Accessory |
|-------------|-----------------------|-----------------------|-----------------------------|------------------------------|-----------------------|--------------------------|
| <b>10SL</b> | 24,00<br><b>0.945</b> | 30,00<br><b>1.181</b> | $\frac{5}{8}$ " x 24 UNEF   | $\frac{5}{8}$ " x 24 UNEF    | 22,00<br><b>0.866</b> | 7,00<br><b>0.276</b>     |
| <b>14S</b>  | 25,00<br><b>0.984</b> | 30,00<br><b>1.181</b> | $\frac{3}{4}$ " x 20 UNEF   | $\frac{3}{4}$ " x 20 UNEF    | 25,00<br><b>0.984</b> | 7,00<br><b>0.276</b>     |
| <b>16S</b>  | 27,00<br><b>1.063</b> | 30,00<br><b>1.181</b> | $\frac{7}{8}$ " x 20 UNEF   | $\frac{7}{8}$ " x 20 UNEF    | 28,00<br><b>1.102</b> | 7,00<br><b>0.276</b>     |
| <b>16</b>   | 27,00<br><b>1.063</b> | 30,00<br><b>1.181</b> | $\frac{7}{8}$ " x 20 UNEF   | $\frac{7}{8}$ " x 20 UNEF    | 28,00<br><b>1.102</b> | 7,00<br><b>0.276</b>     |
| <b>18</b>   | 30,10<br><b>1.224</b> | 35,00<br><b>1.378</b> | 1" x 20 UNEF                | 1" x 20 UNEF                 | 31,00<br><b>1.220</b> | 7,00<br><b>0.276</b>     |
| <b>20</b>   | 33,10<br><b>1.299</b> | 35,00<br><b>1.378</b> | 1 $\frac{1}{8}$ " x 18 UNEF | 1 $\frac{3}{16}$ " x 18 UNEF | 35,00<br><b>1.378</b> | 7,00<br><b>0.276</b>     |
| <b>22</b>   | 33,10<br><b>1.303</b> | 35,00<br><b>1.378</b> | 1 $\frac{1}{4}$ " x 18 UNEF | 1 $\frac{3}{16}$ " x 18 UNEF | 38,00<br><b>1.496</b> | 7,00<br><b>0.276</b>     |
| <b>24</b>   | 37,90<br><b>1.492</b> | 40,00<br><b>1.575</b> | 1 $\frac{3}{8}$ " x 18 UNEF | 1 $\frac{7}{16}$ " x 18 NEF  | 41,00<br><b>1.614</b> | 7,00<br><b>0.276</b>     |
| <b>28</b>   | 37,10<br><b>1.461</b> | 40,00<br><b>1.575</b> | 1 $\frac{5}{8}$ " x 18 UNEF | 1 $\frac{7}{16}$ " x 18 NEF  | 48,00<br><b>1.890</b> | 7,00<br><b>0.276</b>     |
| <b>32</b>   | 43,10<br><b>1.697</b> | 45,00<br><b>1.772</b> | 1 $\frac{7}{8}$ " x 16 UN   | 1 $\frac{3}{4}$ " x 18 UNS   | 54,00<br><b>2.126</b> | 7,00<br><b>0.276</b>     |
| <b>36</b>   | 45,90<br><b>1.807</b> | 50,00<br><b>1.969</b> | 2 $\frac{1}{16}$ " x 16 UNS | 2" x 18 UNS                  | 61,00<br><b>2.402</b> | 7,00<br><b>0.276</b>     |
| <b>40</b>   | 49,00<br><b>1.929</b> | 54,60<br><b>2.150</b> | 2 $\frac{5}{16}$ " x 16 UN  | 2 $\frac{1}{4}$ " x 16 UN    | 67,00<br><b>2.638</b> | 7,00<br><b>0.276</b>     |

**LOCKING 90° OUTLET RFI SHIELDED WITH GROMMET ACCESSORY  
TYPE 'FM'  
STYLE: CIRBH - \*\* - \*\* - FM - F80**



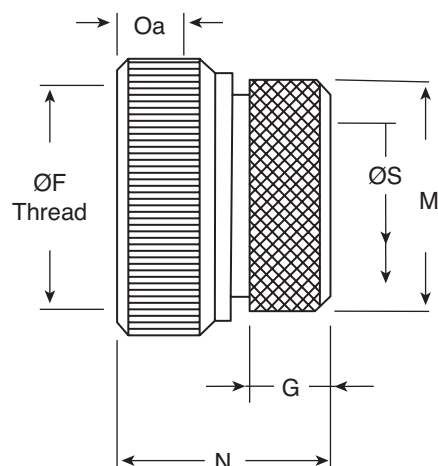
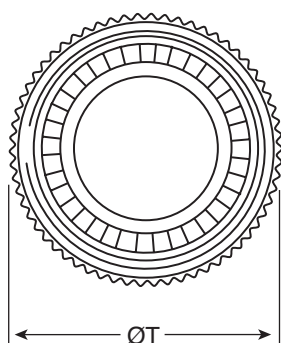
Metric  
Imperial

**How to order:**

CIRBH - \*\* - \*\* - FM - F80  
Shell size  
Contact arrangement

| Shell Size | A Max                 | B Max                 | C Max                 | D Max                 | F Thread Dia. Class 2B     | T Max                 | Oa Min Overlap Accessory |
|------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|--------------------------|
| 10SL       | 15,90<br><b>0.626</b> | 24,00<br><b>0.945</b> | 30,00<br><b>1.181</b> | 7,77<br><b>0.306</b>  | $\frac{5}{8}$ " x 24 UNEF  | 22,00<br><b>0.866</b> | 7,00<br><b>0.276</b>     |
| 14S        | 19,10<br><b>0.764</b> | 25,00<br><b>0.984</b> | 30,00<br><b>1.181</b> | 10,36<br><b>0.408</b> | $\frac{3}{4}$ " x 20 UNEF  | 25,00<br><b>0.984</b> | 7,00<br><b>0.276</b>     |
| 16S        | 22,30<br><b>0.878</b> | 27,00<br><b>1.063</b> | 30,00<br><b>1.181</b> | 13,01<br><b>0.512</b> | $\frac{7}{8}$ " x 20 UNEF  | 28,00<br><b>1.102</b> | 7,00<br><b>0.276</b>     |
| 16         | 22,30<br><b>0.878</b> | 27,00<br><b>1.063</b> | 30,00<br><b>1.181</b> | 13,01<br><b>0.512</b> | $\frac{7}{8}$ " x 20 UNEF  | 28,00<br><b>1.102</b> | 7,00<br><b>0.276</b>     |
| 18         | 25,50<br><b>1.004</b> | 30,10<br><b>1.224</b> | 35,00<br><b>1.378</b> | 15,14<br><b>0.596</b> | 1" x 20 UNEF               | 31,00<br><b>1.220</b> | 7,00<br><b>0.276</b>     |
| 20         | 30,20<br><b>1.189</b> | 33,00<br><b>1.299</b> | 35,00<br><b>1.378</b> | 18,10<br><b>0.713</b> | $1\frac{1}{8}$ " x 18 UNEF | 35,00<br><b>1.378</b> | 7,00<br><b>0.276</b>     |
| 22         | 30,20<br><b>1.189</b> | 33,10<br><b>1.303</b> | 35,00<br><b>1.378</b> | 21,62<br><b>0.851</b> | $1\frac{1}{4}$ " x 18 UNEF | 38,00<br><b>1.496</b> | 7,00<br><b>0.276</b>     |
| 24         | 36,60<br><b>1.441</b> | 37,90<br><b>1.492</b> | 40,00<br><b>1.575</b> | 25,10<br><b>0.988</b> | $1\frac{3}{8}$ " x 18 UNEF | 41,00<br><b>1.614</b> | 7,00<br><b>0.276</b>     |
| 28         | 36,60<br><b>1.441</b> | 37,10<br><b>1.461</b> | 40,00<br><b>1.575</b> | 30,38<br><b>1.196</b> | $1\frac{5}{8}$ " x 18 UNEF | 48,00<br><b>1.890</b> | 7,00<br><b>0.276</b>     |
| 32         | 44,50<br><b>1.752</b> | 43,10<br><b>1.697</b> | 45,00<br><b>1.772</b> | 36,48<br><b>1.436</b> | $1\frac{7}{8}$ " x 16 UN   | 54,00<br><b>2.126</b> | 7,00<br><b>0.276</b>     |
| 36         | 50,90<br><b>2.004</b> | 45,90<br><b>1.807</b> | 50,00<br><b>1.969</b> | 40,67<br><b>1.601</b> | $2\frac{1}{16}$ " x 16 UNS | 61,00<br><b>2.402</b> | 7,00<br><b>0.276</b>     |
| 40         | 57,20<br><b>2.252</b> | 49,00<br><b>1.929</b> | 54,60<br><b>2.150</b> | 48,50<br><b>1.909</b> | $2\frac{5}{16}$ " x 16 UN  | 67,00<br><b>2.638</b> | 7,00<br><b>0.276</b>     |

**LOCKING HEATSHRINK ADAPTOR WITH GROMMET ACCESSORY**  
**TYPE 'G'**  
**STYLE: CIRBH - \*\* - \*\* - HSA - F80**



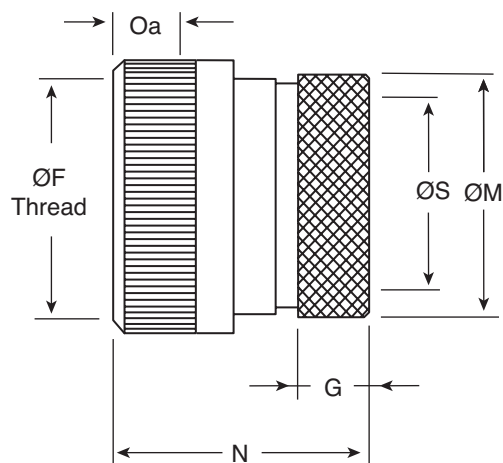
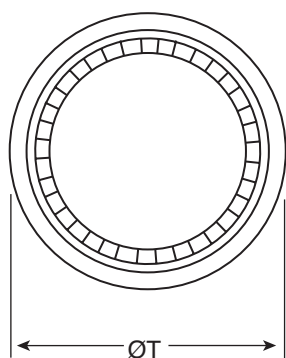
Metric  
Imperial

**How to order:**

CIRBH - \*\* - \*\* - HSA - F80  
 Shell size ————  
 Contact arrangement ————

| Shell Size  | F Thread Dia. Class 2B      | G Max                 | M Max                 | N Max                 | S Min                 | T Max                 | Oa Min Overlap Accessory |
|-------------|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------------|
| <b>10SL</b> | $\frac{5}{8}$ " x 24 UNEF   | 8,20<br><b>0.323</b>  | 15,70<br><b>0.618</b> | 28,46<br><b>1.120</b> | 7,70<br><b>0.303</b>  | 22,00<br><b>0.87</b>  | 7,00<br><b>0.276</b>     |
| <b>14S</b>  | $\frac{3}{4}$ " x 20 UNEF   | 8,20<br><b>0.323</b>  | 19,30<br><b>0.760</b> | 28,46<br><b>1.120</b> | 10,60<br><b>0.417</b> | 25,00<br><b>0.99</b>  | 7,00<br><b>0.276</b>     |
| <b>16S</b>  | $\frac{7}{8}$ " x 20 UNEF   | 8,20<br><b>0.323</b>  | 24,10<br><b>0.949</b> | 28,46<br><b>1.120</b> | 13,50<br><b>0.532</b> | 28,00<br><b>1.11</b>  | 7,00<br><b>0.276</b>     |
| <b>16</b>   | $\frac{7}{8}$ " x 20 UNEF   | 8,00<br><b>0.315</b>  | 24,10<br><b>0.949</b> | 32,26<br><b>1.270</b> | 13,50<br><b>0.532</b> | 28,00<br><b>1.11</b>  | 7,00<br><b>0.276</b>     |
| <b>18</b>   | 1" x 20 UNEF                | 8,00<br><b>0.315</b>  | 24,10<br><b>0.949</b> | 32,26<br><b>1.270</b> | 14,60<br><b>0.575</b> | 31,00<br><b>1.22</b>  | 7,00<br><b>0.276</b>     |
| <b>20</b>   | 1 $\frac{1}{8}$ " x 18 UNEF | 9,20<br><b>0.362</b>  | 29,80<br><b>1.173</b> | 35,80<br><b>1.409</b> | 18,70<br><b>0.736</b> | 35,00<br><b>1.38</b>  | 7,00<br><b>0.276</b>     |
| <b>22</b>   | 1 $\frac{1}{4}$ " x 18 UNEF | 9,20<br><b>0.362</b>  | 29,80<br><b>1.173</b> | 35,80<br><b>1.409</b> | 20,80<br><b>0.819</b> | 38,00<br><b>1.50</b>  | 7,00<br><b>0.276</b>     |
| <b>24</b>   | 1 $\frac{3}{8}$ " x 18 UNEF | 9,20<br><b>0.362</b>  | 38,00<br><b>1.496</b> | 35,80<br><b>1.409</b> | 24,60<br><b>0.969</b> | 41,00<br><b>1.62</b>  | 7,00<br><b>0.276</b>     |
| <b>28</b>   | 1 $\frac{5}{8}$ " x 18 UNEF | 9,20<br><b>0.362</b>  | 38,00<br><b>1.496</b> | 35,76<br><b>1.408</b> | 27,00<br><b>1.063</b> | 48,00<br><b>1.89</b>  | 7,00<br><b>0.276</b>     |
| <b>32</b>   | 1 $\frac{7}{8}$ " x 16 UN   | 11,70<br><b>0.461</b> | 48,00<br><b>1.890</b> | 38,26<br><b>1.506</b> | 33,30<br><b>1.311</b> | 54,00<br><b>2.13</b>  | 7,00<br><b>0.276</b>     |
| <b>36</b>   | 2 $\frac{1}{16}$ " x 16 UNS | 11,70<br><b>0.461</b> | 48,00<br><b>1.890</b> | 39,26<br><b>1.546</b> | 38,50<br><b>1.516</b> | 61,00<br><b>2.40</b>  | 7,00<br><b>0.276</b>     |
| <b>40</b>   | 2 $\frac{5}{16}$ " x 16 UN  | 12,10<br><b>0.476</b> | 57,95<br><b>2.281</b> | 38,30<br><b>1.508</b> | 48,10<br><b>1.894</b> | 67,00<br><b>2.638</b> | 7,00<br><b>0.276</b>     |

**LOCKING RFI SHIELDED ADAPTOR WITH GROMMET ACCESSORY**  
**TYPE 'GM'**  
**STYLE: CIRBH - \*\* - \*\* - LHSA - F80**



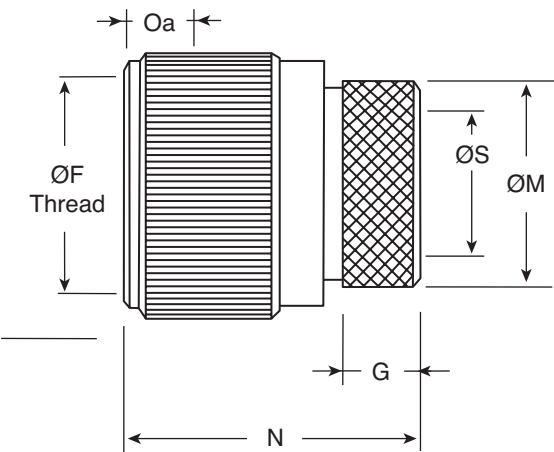
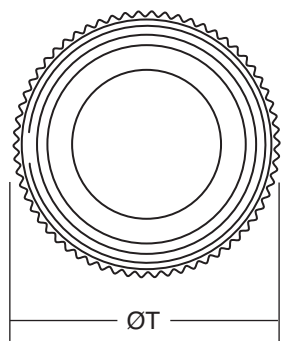
Metric  
Imperial

**How to order:**

CIRBH - \*\* - \*\* - LHSA - F80  
 Shell size ————  
 Contact arrangement ————

| Shell Size  | F Thread Dia. Class 2B     | G Max                 | M Max                 | N Max                 | S Min                 | T Max                 | Oa Min Overlap Accessory |
|-------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------------|
| <b>10SL</b> | $\frac{5}{8}$ " x 24 UNEF  | 12,40<br><b>0.488</b> | 15,70<br><b>0.618</b> | 32,26<br><b>1.270</b> | 8,60<br><b>0.339</b>  | 22,00<br><b>0.87</b>  | 7,00<br><b>0.276</b>     |
| <b>14S</b>  | $\frac{3}{4}$ " x 20 UNEF  | 12,40<br><b>0.488</b> | 19,30<br><b>0.760</b> | 32,26<br><b>1.270</b> | 11,10<br><b>0.437</b> | 25,00<br><b>0.984</b> | 7,00<br><b>0.276</b>     |
| <b>16S</b>  | $\frac{7}{8}$ " x 20 UNEF  | 12,40<br><b>0.488</b> | 24,10<br><b>0.949</b> | 32,26<br><b>1.270</b> | 14,30<br><b>0.563</b> | 28,00<br><b>1.102</b> | 7,00<br><b>0.276</b>     |
| <b>16</b>   | $\frac{7}{8}$ " x 20 UNEF  | 12,40<br><b>0.488</b> | 24,10<br><b>0.949</b> | 36,06<br><b>1.420</b> | 14,30<br><b>0.563</b> | 28,00<br><b>1.102</b> | 7,00<br><b>0.276</b>     |
| <b>18</b>   | 1" x 20 UNEF               | 12,40<br><b>0.488</b> | 24,10<br><b>0.949</b> | 36,06<br><b>1.420</b> | 16,70<br><b>0.657</b> | 31,00<br><b>1.22</b>  | 7,00<br><b>0.276</b>     |
| <b>20</b>   | $1\frac{1}{8}$ " x 18 UNEF | 12,40<br><b>0.488</b> | 29,80<br><b>1.173</b> | 38,60<br><b>1.520</b> | 19,80<br><b>0.780</b> | 35,00<br><b>1.38</b>  | 7,00<br><b>0.276</b>     |
| <b>22</b>   | $1\frac{1}{4}$ " x 18 UNEF | 12,40<br><b>0.488</b> | 29,80<br><b>1.173</b> | 38,60<br><b>1.520</b> | 21,34<br><b>0.840</b> | 38,00<br><b>1.50</b>  | 7,00<br><b>0.276</b>     |
| <b>24</b>   | $1\frac{3}{8}$ " x 18 UNEF | 12,40<br><b>0.488</b> | 38,00<br><b>1.496</b> | 38,60<br><b>1.520</b> | 25,40<br><b>1.000</b> | 41,00<br><b>1.62</b>  | 7,00<br><b>0.276</b>     |
| <b>28</b>   | $1\frac{5}{8}$ " x 18 UNEF | 12,40<br><b>0.488</b> | 38,00<br><b>1.496</b> | 38,56<br><b>1.518</b> | 30,13<br><b>1.186</b> | 48,00<br><b>1.89</b>  | 7,00<br><b>0.276</b>     |
| <b>32</b>   | $1\frac{7}{8}$ " x 16 UN   | 12,10<br><b>0.476</b> | 48,00<br><b>1.890</b> | 38,26<br><b>1.506</b> | 36,73<br><b>1.446</b> | 54,00<br><b>2.13</b>  | 7,00<br><b>0.276</b>     |
| <b>36</b>   | $2\frac{1}{16}$ " x 16 UNS | 12,10<br><b>0.476</b> | 48,00<br><b>1.890</b> | 39,26<br><b>1.546</b> | 41,00<br><b>1.614</b> | 61,00<br><b>2.40</b>  | 7,00<br><b>0.276</b>     |
| <b>40</b>   | $2\frac{5}{16}$ " x 16 UN  | 12,10<br><b>0.476</b> | 57,95<br><b>2.281</b> | 38,30<br><b>1.508</b> | 48,10<br><b>1.894</b> | 67,00<br><b>2.638</b> | 7,00<br><b>0.276</b>     |

NON-LOCKING HEATSHRINK ADAPTOR, GROMMET & FOLLOWER ACCESSORY  
TYPE 'GS'  
STYLE: CIRBH - \*\* - \*\* - HSAS - F80



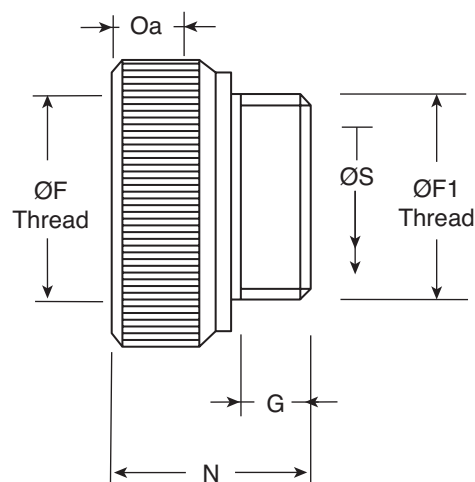
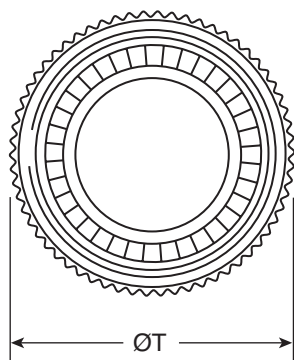
Metric  
Imperial

How to order:  
CIRBH - \*\* - \*\* - HSAS - F80  
Shell size \_\_\_\_\_  
Contact arrangement \_\_\_\_\_

| Shell Size | F Thread Dia. Class 2B | M Max          | G Max          | N Max          | S Min          | T Max          | Oa Min Overlap Accessory |
|------------|------------------------|----------------|----------------|----------------|----------------|----------------|--------------------------|
| *10SL      | -                      | -              | -              | -              | -              | -              | -                        |
| *14S       | -                      | -              | -              | -              | -              | -              | -                        |
| *16S       | -                      | -              | -              | -              | -              | -              | -                        |
| *16        | -                      | -              | -              | -              | -              | -              | -                        |
| 18         | 1" x 20 UNEF           | 24,10<br>0.949 | 11,90<br>0.469 | 45,30<br>1.783 | 14,70<br>0.579 | 28,60<br>1.126 | 7,34<br>0.289            |
| 20         | 1 1/8" x 18 UNEF       | 29,80<br>1.173 | 11,90<br>0.469 | 51,10<br>2.012 | 18,70<br>0.736 | 31,85<br>1.254 | 7,34<br>0.289            |
| 22         | 1 1/4" x 18 UNEF       | 29,80<br>1.173 | 11,90<br>0.469 | 51,10<br>2.012 | 20,90<br>0.823 | 35,03<br>1.379 | 7,14<br>0.281            |
| 24         | 1 3/8" x 18 UNEF       | 38,00<br>1.496 | 11,90<br>0.469 | 51,10<br>2.012 | 24,70<br>0.972 | 39,10<br>1.539 | 7,14<br>0.281            |
| 28         | 1 5/8" x 18 UNEF       | 38,00<br>1.496 | 11,90<br>0.469 | 51,10<br>2.012 | 27,10<br>1.067 | 45,60<br>1.795 | 6,34<br>0.250            |
| 32         | 1 7/8" x 16 UN         | 48,00<br>1.890 | 11,90<br>0.469 | 51,10<br>2.012 | 33,40<br>1.315 | 50,80<br>2.000 | 7,40<br>0.291            |
| 36         | 2 1/16" x 16 UNS       | 48,00<br>1.890 | 11,90<br>0.469 | 51,10<br>2.012 | 38,60<br>1.520 | 57,45<br>2.262 | 7,40<br>0.291            |
| 40         | 2 5/16" x 16 UN        | 57,95<br>2.281 | 11,90<br>0.469 | 51,10<br>2.012 | 48,10<br>1.894 | 63,10<br>2.484 | 7,40<br>0.291            |

\* Please consult TE for availability.

**LOCKING ARMoured CONDUIT ADAPTOR WITH GROMMET ACCESSORY**  
**TYPE 'H'**  
**STYLE: CIRBH - \*\* - \*\* - ACA - F80**



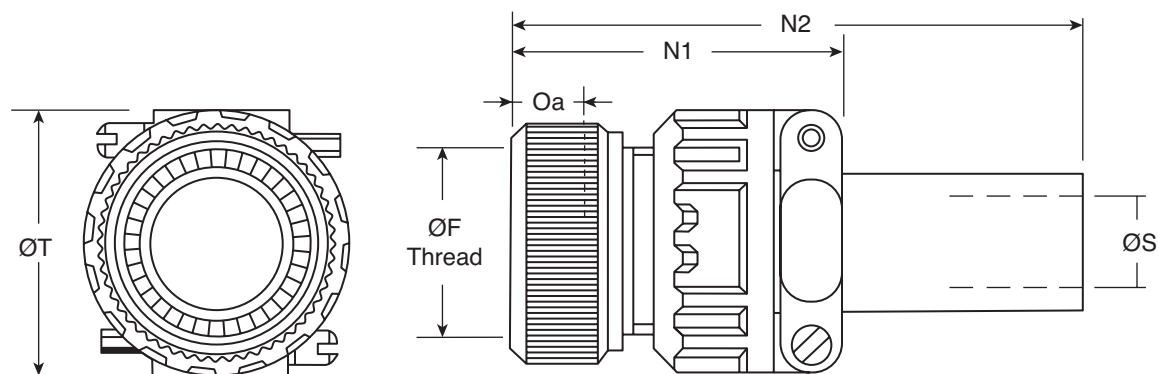
Metric  
Imperial

**How to order:**

CIRBH - \*\* - \*\* - ACA - F80  
 Shell size ————  
 Contact arrangement ————

| Shell Size  | F Thread Dia. Class 2B      | F1 Thread Dia. Class 2A     | G Max                 | N Max                 | S Min                 | T Max                 | Oa Min Overlap Accessory |
|-------------|-----------------------------|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------------|
| <b>10SL</b> | $\frac{5}{8}$ " x 24 UNEF   | $\frac{5}{8}$ " x 24 UNEF   | 9,50<br><b>0.374</b>  | 27,90<br><b>1.098</b> | 8,20<br><b>0.323</b>  | 22,00<br><b>0.87</b>  | 7,00<br><b>0.276</b>     |
| <b>14S</b>  | $\frac{3}{4}$ " x 20 UNEF   | $\frac{3}{4}$ " x 20 UNEF   | 9,50<br><b>0.374</b>  | 27,90<br><b>1.098</b> | 11,10<br><b>0.437</b> | 25,00<br><b>0.99</b>  | 7,00<br><b>0.276</b>     |
| <b>16S</b>  | $\frac{7}{8}$ " x 20 UNEF   | $\frac{7}{8}$ " x 20 UNEF   | 9,50<br><b>0.374</b>  | 27,90<br><b>1.098</b> | 14,30<br><b>0.563</b> | 28,00<br><b>1.11</b>  | 7,00<br><b>0.276</b>     |
| <b>16</b>   | $\frac{7}{8}$ " x 20 UNEF   | $\frac{7}{8}$ " x 20 UNEF   | 9,50<br><b>0.374</b>  | 27,90<br><b>1.098</b> | 14,30<br><b>0.563</b> | 28,00<br><b>1.11</b>  | 7,00<br><b>0.276</b>     |
| <b>18</b>   | 1" x 20 UNEF                | 1" x 20 UNEF                | 9,50<br><b>0.374</b>  | 29,90<br><b>1.177</b> | 16,70<br><b>0.657</b> | 31,00<br><b>1.22</b>  | 7,00<br><b>0.276</b>     |
| <b>20</b>   | 1 $\frac{1}{8}$ " x 18 UNEF | 1 $\frac{1}{8}$ " x 18 NEF  | 9,50<br><b>0.374</b>  | 29,90<br><b>1.177</b> | 19,80<br><b>0.780</b> | 35,00<br><b>1.38</b>  | 7,00<br><b>0.276</b>     |
| <b>22</b>   | 1 $\frac{1}{4}$ " x 18 UNEF | 1 $\frac{3}{16}$ " x 18 NEF | 9,50<br><b>0.374</b>  | 29,90<br><b>1.177</b> | 19,80<br><b>0.780</b> | 38,00<br><b>1.50</b>  | 7,00<br><b>0.276</b>     |
| <b>24</b>   | 1 $\frac{3}{8}$ " x 18 UNEF | 1 $\frac{7}{16}$ " x 18 NEF | 9,50<br><b>0.374</b>  | 29,90<br><b>1.177</b> | 25,40<br><b>1.000</b> | 41,00<br><b>1.62</b>  | 7,00<br><b>0.276</b>     |
| <b>28</b>   | 1 $\frac{5}{8}$ " x 18 UNEF | 1 $\frac{7}{16}$ " x 18 NEF | 9,50<br><b>0.374</b>  | 30,00<br><b>1.181</b> | 27,00<br><b>1.063</b> | 48,00<br><b>1.89</b>  | 7,00<br><b>0.276</b>     |
| <b>32</b>   | 1 $\frac{7}{8}$ " x 16 UN   | 1 $\frac{3}{4}$ " x 18 NS   | 11,00<br><b>0.433</b> | 28,90<br><b>1.138</b> | 32,50<br><b>1.280</b> | 54,00<br><b>2.13</b>  | 7,00<br><b>0.276</b>     |
| <b>36</b>   | 2 $\frac{1}{16}$ " x 16 UNS | 2" x 18 NS                  | 11,80<br><b>0.464</b> | 28,90<br><b>1.138</b> | 35,70<br><b>1.406</b> | 61,00<br><b>2.40</b>  | 7,00<br><b>0.276</b>     |
| <b>40</b>   | 2 $\frac{5}{16}$ " x 16 UN  | 2 $\frac{1}{4}$ " x 16 UN   | 11,80<br><b>0.464</b> | 28,90<br><b>1.138</b> | 45,00<br><b>1.772</b> | 67,00<br><b>2.638</b> | 7,00<br><b>0.276</b>     |

**LOCKING CABLE CLAMP WITH BUSHING  
TYPE 'HC'  
STYLE: CIRBH - \*\* - \*\* - HC - F80**



Metric  
Imperial

**Note:** Clamp & bush are available separately.  
See pages 83 & 84 respectively.

**How to order:**

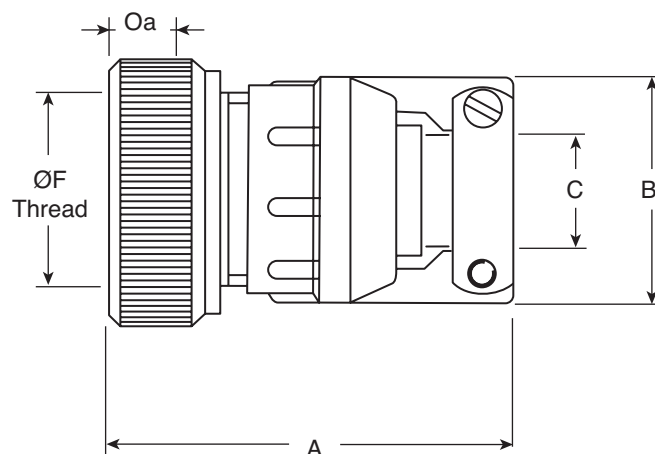
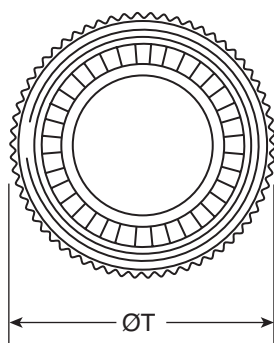
CIRBH - \*\* - \*\* - HC - F80

Shell size

Contact arrangement

| Shell Size | F Thread<br>Dia. Class<br>2B | N1<br>Max             | N2<br>Max             | S                     | T<br>Max             | Oa Min<br>Overlap<br>Accessory |
|------------|------------------------------|-----------------------|-----------------------|-----------------------|----------------------|--------------------------------|
| 10SL       | $\frac{5}{8}$ " x 24 UNEF    | 40,10<br><b>1.58</b>  | 100,10<br><b>3.94</b> | 5.59<br><b>0.220</b>  | 22,70<br><b>0.90</b> | 7,00<br><b>0.276</b>           |
| 14S        | $\frac{3}{4}$ " x 20 UNEF    | 41,70<br><b>1.65</b>  | 96,70<br><b>3.81</b>  | 7.92<br><b>0.312</b>  | 27,50<br><b>1.09</b> | 7,00<br><b>0.276</b>           |
| 16S        | $\frac{7}{8}$ " x 20 UNEF    | 43,50<br><b>1.72</b>  | 98,50<br><b>3.88</b>  | 11,10<br><b>0.437</b> | 30,00<br><b>1.19</b> | 7,00<br><b>0.276</b>           |
| 16         | $\frac{7}{8}$ " x 20 UNEF    | 43,50<br><b>1.72</b>  | 93,50<br><b>3.68</b>  | 11,10<br><b>0.437</b> | 30,00<br><b>1.19</b> | 7,00<br><b>0.276</b>           |
| 18         | 1" x 20 UNEF                 | 50,00<br><b>1.97</b>  | 95,00<br><b>3.74</b>  | 14.27<br><b>0.562</b> | 33,00<br><b>1.30</b> | 7,00<br><b>0.276</b>           |
| 20         | 1 $\frac{1}{8}$ " x 18 UNEF  | 45,50<br><b>1.80</b>  | 90,50<br><b>3.57</b>  | 15.88<br><b>0.625</b> | 37,50<br><b>1.48</b> | 7,00<br><b>0.276</b>           |
| 22         | 1 $\frac{1}{4}$ " x 18 UNEF  | 45,50<br><b>1.80</b>  | 90,50<br><b>3.57</b>  | 15.88<br><b>0.625</b> | 37,50<br><b>1.48</b> | 7,00<br><b>0.276</b>           |
| 24         | 1 $\frac{3}{8}$ " x 18 UNEF  | 47,50<br><b>1.87</b>  | 77,50<br><b>3.05</b>  | 19.05<br><b>0.750</b> | 43,30<br><b>1.71</b> | 7,00<br><b>0.276</b>           |
| 28         | 1 $\frac{5}{8}$ " x 18 UNEF  | 47,60<br><b>1.88</b>  | 77,60<br><b>3.06</b>  | 19.05<br><b>0.750</b> | 43,30<br><b>1.71</b> | 7,00<br><b>0.276</b>           |
| 32         | 1 $\frac{7}{8}$ " x 16 UN    | 46,50<br><b>1.83</b>  | 76,50<br><b>3.02</b>  | 23.80<br><b>0.937</b> | 51,70<br><b>2.04</b> | 7,00<br><b>0.276</b>           |
| 36         | 2 $\frac{1}{16}$ " x 16 UNS  | 46,40<br><b>1.826</b> | 76,40<br><b>3.01</b>  | 31.75<br><b>1.250</b> | 58,00<br><b>2.29</b> | 7,00<br><b>0.276</b>           |
| 40         | 2 $\frac{5}{16}$ " x 16 UN   | 59,80<br><b>2.35</b>  | 73,80<br><b>2.90</b>  | 34.92<br><b>1.375</b> | 65,00<br><b>2.56</b> | 7,00<br><b>0.276</b>           |

**LOCKING SEALED CABLE CLAMP**  
**TYPE 'HD'**  
**STYLE: CIRBH - \*\* - \*\* - HD - F80**



Metric  
Imperial

**How to order:**

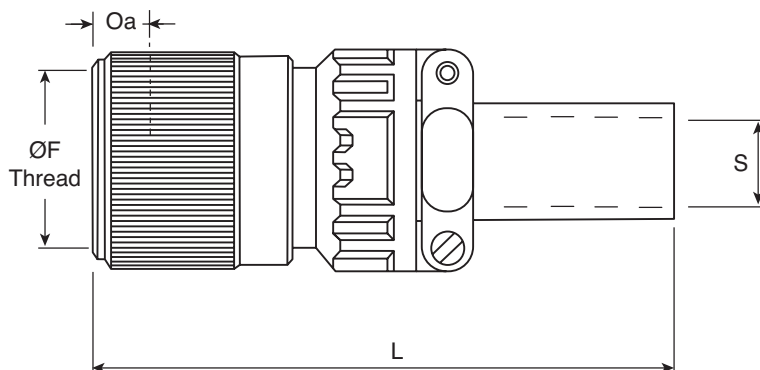
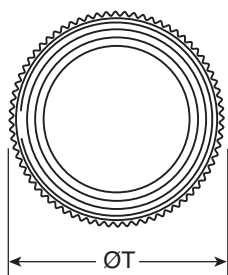
CIRBH - \*\* - \*\* - HD - F80

Shell size

Contact arrangement

| Shell Size | A Max          | B              | C              |                | F Thread Dia. Class 2B | T Max          | Oa Min Overlap Accessory |
|------------|----------------|----------------|----------------|----------------|------------------------|----------------|--------------------------|
|            |                |                | Max            | Min            |                        |                |                          |
| 10SL       | 58,87<br>2.318 | 23,80<br>0.937 | 7,93<br>0.312  | 2,38<br>0.094  | 5/8" x 24 UNEF         | 22,00<br>0.866 | 7,00<br>0.276            |
| 14S        | 58,87<br>2.318 | 26,97<br>1.062 | 11,12<br>0.438 | 6,35<br>0.250  | 3/4" x 20 UNEF         | 25,00<br>0.984 | 7,00<br>0.276            |
| 16S        | 58,87<br>2.318 | 30,18<br>1.188 | 13,48<br>0.531 | 7,92<br>0.312  | 7/8" x 20 UNEF         | 28,00<br>0.984 | 7,00<br>0.276            |
| 16         | 58,87<br>2.318 | 30,18<br>1.188 | 13,48<br>0.531 | 7,92<br>0.312  | 7/8" x 20 UNEF         | 28,00<br>0.984 | 7,00<br>0.276            |
| 18         | 62,44<br>2.458 | 33,32<br>1.312 | 15,87<br>0.625 | 9,53<br>0.375  | 1" x 20 UNEF           | 31,00<br>1.220 | 7,00<br>0.276            |
| 20         | 62,44<br>2.458 | 39,21<br>1.562 | 19,00<br>0.748 | 12,70<br>0.500 | 1 1/8" x 18 UNEF       | 35,00<br>1.378 | 7,00<br>0.276            |
| 22         | 62,44<br>2.458 | 39,21<br>1.562 | 19,00<br>0.748 | 12,70<br>0.500 | 1 1/4" x 18 UNEF       | 38,00<br>1.496 | 7,00<br>0.276            |
| 24         | 65,61<br>2.583 | 44,45<br>1.750 | 23,80<br>0.937 | 15,09<br>0.594 | 1 3/8" x 18 UNEF       | 41,00<br>1.614 | 7,00<br>0.276            |
| 28         | 65,71<br>2.587 | 44,45<br>1.750 | 23,80<br>0.937 | 15,09<br>0.594 | 1 5/8" x 18 UNEF       | 48,00<br>1.890 | 7,00<br>0.276            |
| 32         | 70,96<br>2.794 | 57,15<br>2.250 | 31,75<br>1.250 | 23,83<br>0.938 | 1 7/8" x 16 UN         | 54,00<br>2.126 | 7,00<br>0.276            |
| 36         | 77,31<br>3.044 | 60,33<br>2.375 | 35,00<br>1.378 | 24,61<br>0.969 | 2 1/16" x 16 UNS       | 61,00<br>2.402 | 7,00<br>0.276            |
| 40         | 77,31<br>3.044 | 66,68<br>2.625 | 41,25<br>1.624 | 30,18<br>1.188 | 2 5/16" x 16 UN        | 67,00<br>2.638 | 7,00<br>0.276            |

**NON-LOCKING CABLE CLAMP WITH BUSHING**  
**TYPE 'JE'**  
**STYLE: CIRBH - \*\* - \*\* - JE - F80**



Metric  
Imperial

**How to order:**

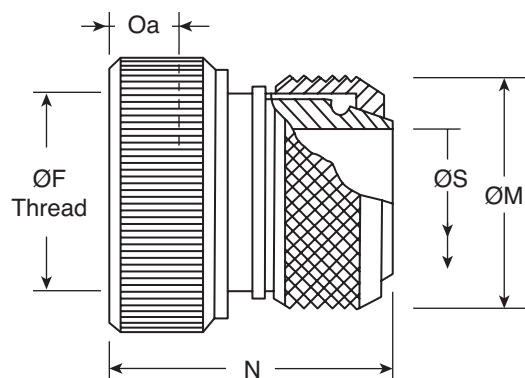
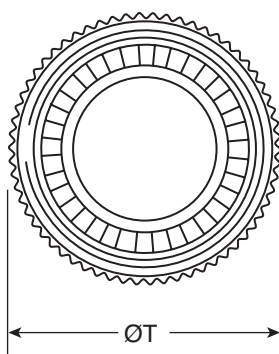
CIRBH - \*\* - \*\* - JE - F80

Shell size ————

Contact arrangement ————

| Shell Size | F Thread<br>dia. Class<br>2B | L<br>Max              | S                     | T<br>Max              | Oa Min<br>Overlap<br>Accessory |
|------------|------------------------------|-----------------------|-----------------------|-----------------------|--------------------------------|
| 10SL       | $\frac{5}{8}$ " x 24 UNEF    | 99,13<br><b>3.903</b> | 5.59<br><b>0.220</b>  | 19,10<br><b>0.752</b> | 7,00<br><b>0.276</b>           |
| 14S        | $\frac{3}{4}$ " x 20 UNEF    | 95,96<br><b>3.778</b> | 7.92<br><b>0.312</b>  | 22,10<br><b>0.870</b> | 7,00<br><b>0.276</b>           |
| 16S        | $\frac{7}{8}$ " x 20 UNEF    | 92,78<br><b>6.653</b> | 11,10<br><b>0.437</b> | 25,50<br><b>1.004</b> | 7,00<br><b>0.276</b>           |
| 16         | $\frac{7}{8}$ " x 20 UNEF    | 94,28<br><b>3.712</b> | 11,10<br><b>0.437</b> | 25,50<br><b>1.004</b> | 7,00<br><b>0.276</b>           |
| 18         | 1" x 20 UNEF                 | 97,51<br><b>3.839</b> | 14,27<br><b>0.562</b> | 28,60<br><b>1.126</b> | 7,34<br><b>0.289</b>           |
| 20         | $1\frac{1}{8}$ " x 18 UNEF   | 94,33<br><b>3.714</b> | 15,88<br><b>0.625</b> | 31,85<br><b>1.254</b> | 7,34<br><b>0.289</b>           |
| 22         | $1\frac{1}{4}$ " x 18 UNEF   | 94,33<br><b>3.714</b> | 15,88<br><b>0.625</b> | 35,03<br><b>1.379</b> | 7,34<br><b>0.289</b>           |
| 24         | $1\frac{3}{8}$ " x 18 UNEF   | 94,01<br><b>3.701</b> | 19,05<br><b>0.750</b> | 39,10<br><b>1.539</b> | 7,14<br><b>0.281</b>           |
| 28         | $1\frac{5}{8}$ " x 18 UNEF   | 94,01<br><b>3.701</b> | 19,05<br><b>0.750</b> | 45,60<br><b>1.795</b> | 6,34<br><b>0.250</b>           |
| 32         | $1\frac{7}{8}$ " x 16 UN     | 90,83<br><b>3.576</b> | 23,80<br><b>0.937</b> | 50,80<br><b>2.000</b> | 7,40<br><b>0.291</b>           |
| 36         | $2\frac{1}{16}$ " x 16 UNS   | 87,67<br><b>3.452</b> | 31,75<br><b>1.250</b> | 57,45<br><b>2.262</b> | 7,40<br><b>0.291</b>           |
| 40         | $2\frac{5}{16}$ " x 16 UN    | 84,43<br><b>3.324</b> | 34,92<br><b>1.375</b> | 63,10<br><b>2.484</b> | 6,34<br><b>0.250</b>           |

**LOCKING SCREENED CABLE ADAPTOR  
TYPE 'M'  
STYLE: CIRBH - \*\* - \*\* - SCA - F80**



Metric  
Imperial

**How to order:**

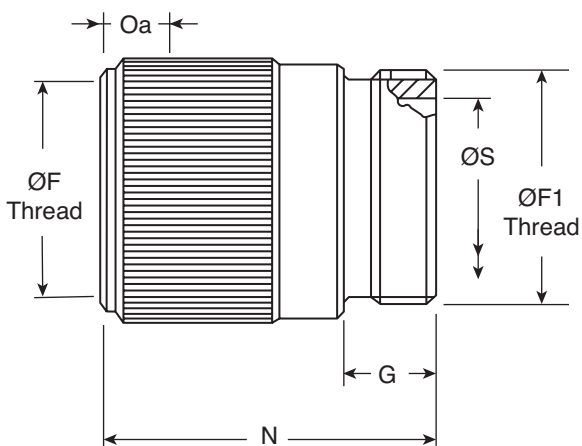
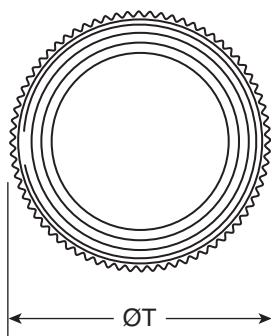
CIRBH - \*\* - \*\* - SCA - F80

Shell size

Contact arrangement

| Shell Size | F Thread Dia. Class 2B     | M Max                 | N Max                 | S Min                 | T Max                 | Oa Min Overlap Accessory |
|------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------------|
| 10SL       | $\frac{5}{8}$ " x 24 UNEF  | 19,00<br><b>0.748</b> | 31,30<br><b>0.812</b> | 8,60<br><b>0.339</b>  | 22,00<br><b>0.87</b>  | 7,00<br><b>0.276</b>     |
| 14S        | $\frac{3}{4}$ " x 20 UNEF  | 22,50<br><b>0.886</b> | 33,90<br><b>1.335</b> | 10,60<br><b>0.417</b> | 25,00<br><b>0.99</b>  | 7,00<br><b>0.276</b>     |
| 16S        | $\frac{7}{8}$ " x 20 UNEF  | 25,50<br><b>1.004</b> | 33,90<br><b>1.335</b> | 13,50<br><b>0.532</b> | 28,00<br><b>1.11</b>  | 7,00<br><b>0.276</b>     |
| 16         | $\frac{7}{8}$ " x 20 UNEF  | 25,50<br><b>1.004</b> | 33,90<br><b>1.335</b> | 13,50<br><b>0.532</b> | 28,00<br><b>1.11</b>  | 7,00<br><b>0.276</b>     |
| 18         | 1" x 20 UNEF               | 25,50<br><b>1.004</b> | 36,90<br><b>1.453</b> | 14,60<br><b>0.575</b> | 31,00<br><b>1.22</b>  | 7,00<br><b>0.276</b>     |
| 20         | $1\frac{1}{8}$ " x 18 UNEF | 32,50<br><b>1.280</b> | 36,90<br><b>1.453</b> | 18,50<br><b>0.728</b> | 35,00<br><b>1.38</b>  | 7,00<br><b>0.276</b>     |
| 22         | $1\frac{1}{4}$ " x 18 UNEF | 34,50<br><b>1.358</b> | 36,90<br><b>1.453</b> | 20,80<br><b>0.819</b> | 38,00<br><b>1.50</b>  | 7,00<br><b>0.276</b>     |
| 24         | $1\frac{3}{8}$ " x 18 UNEF | 38,50<br><b>1.516</b> | 36,90<br><b>1.453</b> | 24,60<br><b>0.969</b> | 41,00<br><b>1.62</b>  | 7,00<br><b>0.276</b>     |
| 28         | $1\frac{5}{8}$ " x 18 UNEF | 41,50<br><b>1.634</b> | 35,90<br><b>1.413</b> | 27,00<br><b>1.063</b> | 48,00<br><b>1.89</b>  | 7,00<br><b>0.276</b>     |
| 32         | $1\frac{7}{8}$ " x 16 UN   | 48,50<br><b>1.910</b> | 35,90<br><b>1.413</b> | 33,30<br><b>1.311</b> | 54,00<br><b>2.13</b>  | 7,00<br><b>0.276</b>     |
| 36         | $2\frac{1}{16}$ " x 16 UNS | 55,50<br><b>2.185</b> | 35,90<br><b>1.413</b> | 38,50<br><b>1.516</b> | 61,00<br><b>2.40</b>  | 7,00<br><b>0.276</b>     |
| 40         | $2\frac{5}{16}$ " x 16 UN  | 62,50<br><b>2.461</b> | 35,90<br><b>1.413</b> | 45,00<br><b>1.772</b> | 67,00<br><b>2.638</b> | 7,00<br><b>0.276</b>     |

**NON-LOCKING CONDUIT ADAPTOR  
TYPE 'R'  
STYLE: CIRBH - \*\* - \*\* - CCA - F80**



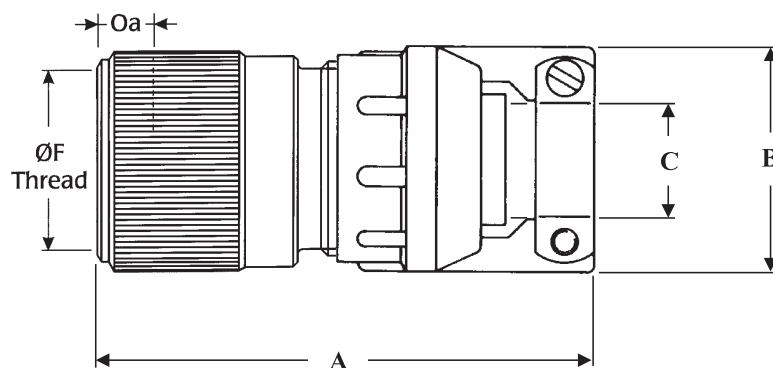
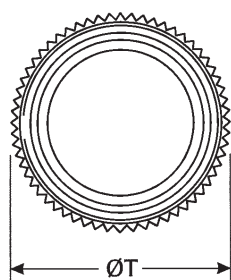
Metric  
Imperial

**How to order:**

CIRBH - \*\* - \*\* - CCA - F80  
Shell size ————  
Contact arrangement ————

| Shell Size  | F Thread Dia. Class 2B      | F1 Thread Dia. Class 2A      | G Max                 | N Max                 | S Min                 | T Max                 | Oa Min Overlap Accessory |
|-------------|-----------------------------|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------------|
| <b>10SL</b> | $\frac{5}{8}$ " x 24 UNEF   | $\frac{5}{8}$ " x 24 UNEF    | 10,10<br><b>0.398</b> | 29,10<br><b>1.146</b> | 8,80<br><b>0.346</b>  | 19,10<br><b>0.752</b> | 7,00<br><b>0.276</b>     |
| <b>14S</b>  | $\frac{3}{4}$ " x 20 UNEF   | $\frac{3}{4}$ " x 20 UNEF    | 10,10<br><b>0.398</b> | 29,10<br><b>1.146</b> | 11,30<br><b>0.445</b> | 22,10<br><b>0.870</b> | 7,00<br><b>0.276</b>     |
| <b>16S</b>  | $\frac{7}{8}$ " x 20 UNEF   | $\frac{7}{8}$ " x 20 UNEF    | 10,10<br><b>0.398</b> | 29,10<br><b>1.146</b> | 18,54<br><b>0.730</b> | 25,50<br><b>1.004</b> | 7,00<br><b>0.276</b>     |
| <b>16</b>   | $\frac{7}{8}$ " x 20 UNEF   | $\frac{7}{8}$ " x 20 UNEF    | 10,10<br><b>0.398</b> | 30,60<br><b>1.205</b> | 18,54<br><b>0.730</b> | 25,50<br><b>1.004</b> | 7,00<br><b>0.276</b>     |
| <b>18</b>   | 1" x 20 UNEF                | 1" x 20 UNEF                 | 10,10<br><b>0.398</b> | 37,00<br><b>1.457</b> | 16,70<br><b>0.657</b> | 28,60<br><b>1.126</b> | 7,34<br><b>0.289</b>     |
| <b>20</b>   | 1 $\frac{1}{8}$ " x 18 UNEF | 1 $\frac{3}{16}$ " x 18 UNEF | 10,10<br><b>0.398</b> | 37,00<br><b>1.457</b> | 19,80<br><b>0.780</b> | 31,85<br><b>1.254</b> | 7,34<br><b>0.289</b>     |
| <b>22</b>   | 1 $\frac{1}{4}$ " x 18 UNEF | 1 $\frac{3}{16}$ " x 18 UNEF | 10,10<br><b>0.398</b> | 37,00<br><b>1.457</b> | 19,80<br><b>0.780</b> | 35,03<br><b>1.379</b> | 7,34<br><b>0.289</b>     |
| <b>24</b>   | 1 $\frac{3}{8}$ " x 18 UNEF | 1 $\frac{7}{16}$ " x 18 UNEF | 11,10<br><b>0.437</b> | 39,85<br><b>1.569</b> | 25,40<br><b>1.000</b> | 39,10<br><b>1.539</b> | 7,14<br><b>0.281</b>     |
| <b>28</b>   | 1 $\frac{5}{8}$ " x 18 UNEF | 1 $\frac{7}{16}$ " x 18 UNEF | 11,10<br><b>0.437</b> | 39,85<br><b>1.569</b> | 30,13<br><b>1.186</b> | 45,60<br><b>1.795</b> | 6,34<br><b>0.250</b>     |
| <b>32</b>   | 1 $\frac{7}{8}$ " x 16 UN   | 1 $\frac{3}{4}$ " x 18 UNS   | 11,10<br><b>0.437</b> | 39,85<br><b>1.569</b> | 32,50<br><b>1.280</b> | 50,80<br><b>2.000</b> | 7,40<br><b>0.291</b>     |
| <b>36</b>   | 2 $\frac{1}{16}$ " x 16 UNS | 2" x 18 UNS                  | 11,10<br><b>0.437</b> | 39,85<br><b>1.569</b> | 35,70<br><b>1.406</b> | 57,45<br><b>2.262</b> | 7,40<br><b>0.291</b>     |
| <b>40</b>   | 2 $\frac{5}{16}$ " x 16 UN  | 2 $\frac{1}{4}$ " x 16 UN    | 11,10<br><b>0.437</b> | 39,85<br><b>1.569</b> | 45,00<br><b>1.772</b> | 63,10<br><b>2.484</b> | 6,34<br><b>0.250</b>     |

**NON-LOCKING SEALED CABLE CLAMP**  
**TYPE 'RC'**  
**STYLE: CIRBH - \*\* - \*\* - RC - F80**



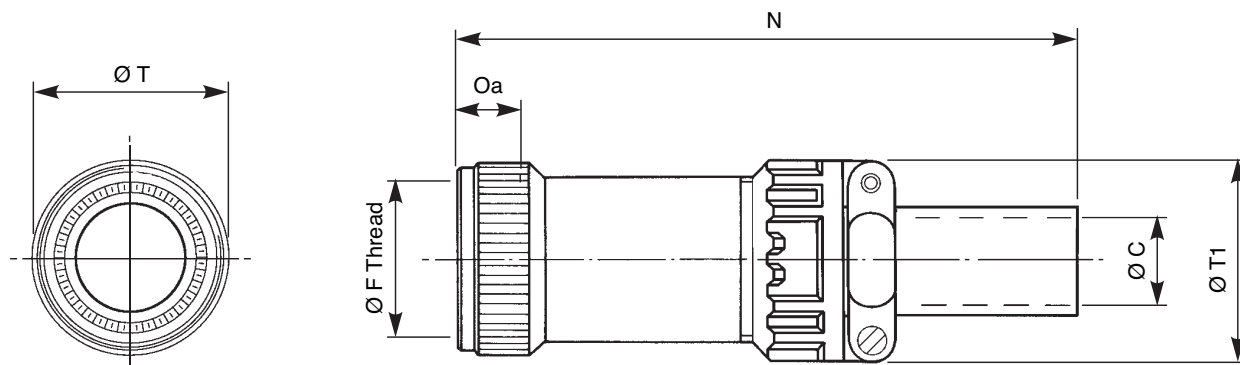
Metric  
Imperial

**How to order:**

CIRBH - \*\* - \*\* - RC - F80  
 Shell size \_\_\_\_\_  
 Contact arrangement \_\_\_\_\_

| Shell Size | A Max          | B              | C              |                | F Thread<br>Dia. Class 2B   | T Max          | Oa Min<br>Overlap<br>Accessory |
|------------|----------------|----------------|----------------|----------------|-----------------------------|----------------|--------------------------------|
|            |                |                | Max            | Min            |                             |                |                                |
| 10SL       | 59,10<br>2.327 | 23,80<br>0.937 | 7,93<br>0.312  | 2,38<br>0.094  | $\frac{5}{8}$ " x 24 UNEF   | 19,10<br>0.752 | 7,00<br>0.276                  |
| 14S        | 59,10<br>2.327 | 26,97<br>1.062 | 11,12<br>0.438 | 6,35<br>0.250  | $\frac{3}{4}$ " x 20 UNEF   | 22,10<br>0.870 | 7,00<br>0.276                  |
| 16S        | 59,10<br>2.327 | 30,18<br>1.188 | 13,48<br>0.531 | 7,92<br>0.312  | $\frac{7}{8}$ " x 20 UNEF   | 25,50<br>1.004 | 7,00<br>0.276                  |
| 16         | 60,60<br>2.386 | 30,18<br>1.188 | 13,48<br>0.531 | 7,92<br>0.312  | $\frac{7}{8}$ " x 20 UNEF   | 25,50<br>1.004 | 7,00<br>0.276                  |
| 18         | 70,00<br>2.756 | 33,32<br>1.312 | 15,87<br>0.625 | 9,53<br>0.375  | 1" x 20 UNEF                | 28,60<br>1.126 | 7,34<br>0.289                  |
| 20         | 70,00<br>2.756 | 39,21<br>1.562 | 19,00<br>0.748 | 12,70<br>0.500 | 1 $\frac{1}{8}$ " x 18 UNEF | 31,85<br>1.254 | 7,34<br>0.289                  |
| 22         | 70,00<br>2.756 | 39,21<br>1.562 | 19,00<br>0.748 | 12,70<br>0.500 | 1 $\frac{1}{4}$ " x 18 UNEF | 35,03<br>1.379 | 7,34<br>0.289                  |
| 24         | 75,85<br>2.986 | 44,45<br>1.750 | 23,80<br>0.937 | 15,09<br>0.594 | 1 $\frac{3}{8}$ " x 18 UNEF | 39,10<br>1.539 | 7,14<br>0.281                  |
| 28         | 75,85<br>2.986 | 44,45<br>1.750 | 23,80<br>0.937 | 15,09<br>0.594 | 1 $\frac{5}{8}$ " x 18 UNEF | 45,60<br>1.795 | 6,34<br>0.250                  |
| 32         | 81,85<br>3.222 | 57,15<br>2.250 | 31,75<br>1.250 | 23,83<br>0.938 | 1 $\frac{7}{8}$ " x 16 UN   | 50,80<br>2.000 | 7,40<br>0.291                  |
| 36         | 88,85<br>3.498 | 60,33<br>2.375 | 35,00<br>1.378 | 24,61<br>0.969 | 2 $\frac{1}{16}$ " x 16 UNS | 57,45<br>2.262 | 7,40<br>0.291                  |
| 40         | 88,85<br>3.498 | 66,68<br>2.625 | 41,25<br>1.624 | 30,18<br>1.188 | 2 $\frac{5}{16}$ " x 16 UN  | 63,10<br>2.484 | 6,34<br>0.250                  |

**LONG BACKSHELL WITH CABLE CLAMP & BUSHING  
TYPE 'XLA'  
STYLE: CIRBH - \*\* - \*\* - XLA - F80**



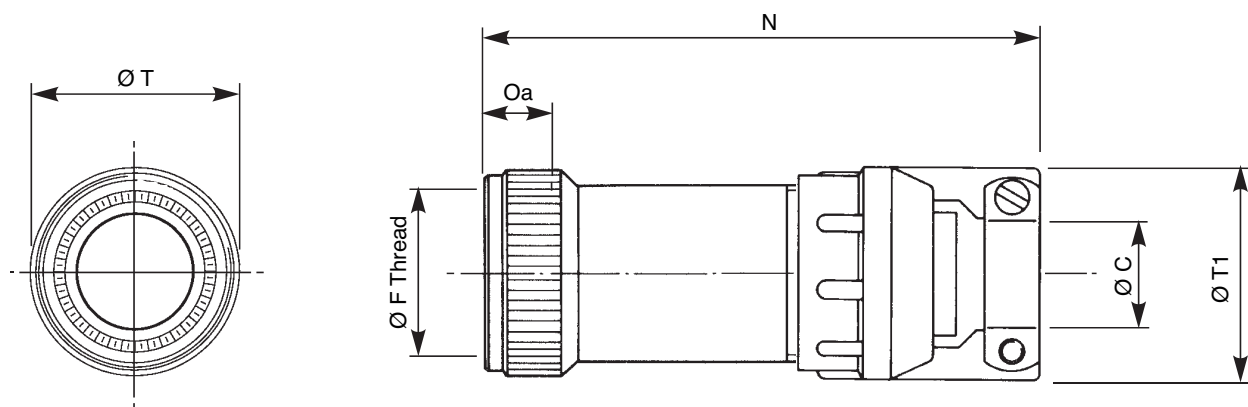
Metric  
Imperial

**How to order:**

CIRBH - \*\* - \*\* - XLA - F80  
Shell size ————  
Contact arrangement ————

| Shell Size | C                     | F Thread<br>Dia. Class<br>2B | N                      | T<br>Max              | T1<br>Max             | Oa Min<br>Overlap<br>Accessory |
|------------|-----------------------|------------------------------|------------------------|-----------------------|-----------------------|--------------------------------|
| 10SL       | 5,59<br><b>0.220</b>  | $\frac{5}{8}$ " x 24 UNEF    | 118,35<br><b>4.659</b> | 22,00<br><b>0.866</b> | 22,70<br><b>0.894</b> | 7,00<br><b>0.276</b>           |
| 14S        | 7,92<br><b>0.312</b>  | $\frac{3}{4}$ " x 20 UNEF    | 115,18<br><b>4.535</b> | 25,00<br><b>0.984</b> | 27,50<br><b>1.083</b> | 7,00<br><b>0.276</b>           |
| 16S        | 11,10<br><b>0.437</b> | $\frac{7}{8}$ " x 20 UNEF    | 112,00<br><b>4.409</b> | 28,00<br><b>1.102</b> | 30,00<br><b>1.181</b> | 7,00<br><b>0.276</b>           |
| 16         | 11,10<br><b>0.437</b> | $\frac{7}{8}$ " x 20 UNEF    | 122,30<br><b>4.815</b> | 28,00<br><b>1.102</b> | 30,00<br><b>1.181</b> | 7,00<br><b>0.276</b>           |
| 18         | 14,27<br><b>0.562</b> | 1" x 20 UNEF                 | 119,13<br><b>4.690</b> | 31,00<br><b>1.220</b> | 33,00<br><b>1.299</b> | 7,00<br><b>0.276</b>           |
| 20         | 15,88<br><b>0.625</b> | 1 $\frac{1}{8}$ " x 18 UNEF  | 115,95<br><b>4.565</b> | 35,00<br><b>1.378</b> | 37,50<br><b>1.476</b> | 7,00<br><b>0.276</b>           |
| 22         | 15,88<br><b>0.625</b> | 1 $\frac{1}{4}$ " x 18 UNEF  | 115,95<br><b>4.565</b> | 38,00<br><b>1.496</b> | 37,50<br><b>1.476</b> | 7,00<br><b>0.276</b>           |
| 24         | 19,05<br><b>0.750</b> | 1 $\frac{3}{8}$ " x 18 UNEF  | 112,78<br><b>4.440</b> | 41,00<br><b>1.614</b> | 43,30<br><b>1.704</b> | 7,00<br><b>0.276</b>           |
| 28         | 19,05<br><b>0.750</b> | 1 $\frac{5}{8}$ " x 18 UNEF  | 119,78<br><b>4.716</b> | 48,00<br><b>1.889</b> | 43,30<br><b>1.704</b> | 7,00<br><b>0.276</b>           |
| 32         | 23,80<br><b>0.937</b> | 1 $\frac{7}{8}$ " x 16 UN    | 116,60<br><b>4.591</b> | 54,00<br><b>2.126</b> | 51,70<br><b>2.035</b> | 7,00<br><b>0.276</b>           |
| 36         | 31,75<br><b>1.250</b> | 2 $\frac{1}{16}$ " x 16 UNS  | 113,43<br><b>4.466</b> | 61,00<br><b>2.402</b> | 58,00<br><b>2.283</b> | 7,00<br><b>0.276</b>           |
| 40         | 34,92<br><b>1.375</b> | 2 $\frac{5}{16}$ " x 16 UN   | 110,20<br><b>4.338</b> | 67,00<br><b>2.638</b> | 65,00<br><b>2.559</b> | 7,00<br><b>0.276</b>           |

**LONG BACKSHELL WITH SEALED CABLE CLAMP**  
**TYPE 'XLC'**  
**STYLE: CIRBH - \*\* - \*\* - XLC - F80**



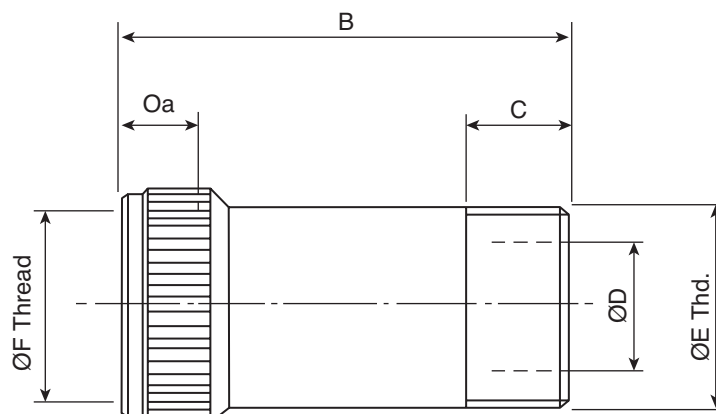
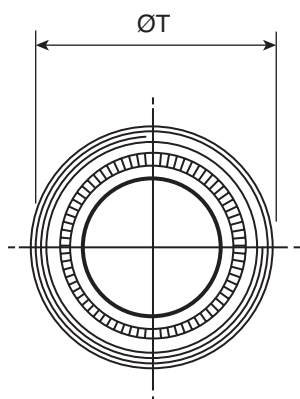
Metric  
Imperial

**How to order:**

CIRBH - \*\* - \*\* - XLC - F80  
 Shell size ————  
 Contact arrangement ————

| Shell Size  | C                     |                       | F Thread<br>Dia. Class<br>2B | N                      | T<br>Max              | T1<br>Max             | Oa Min<br>Overlap<br>Accessory |
|-------------|-----------------------|-----------------------|------------------------------|------------------------|-----------------------|-----------------------|--------------------------------|
|             | Max                   | Min                   |                              |                        |                       |                       |                                |
| <b>10SL</b> | 7,93<br><b>0.312</b>  | 2,38<br><b>0.094</b>  | $\frac{5}{8}$ " x 24 UNEF    | 79,47<br><b>3.129</b>  | 22,00<br><b>0.866</b> | 23,80<br><b>0.937</b> | 7,00<br><b>0.276</b>           |
| <b>14S</b>  | 11,12<br><b>0.438</b> | 6,35<br><b>0.250</b>  | $\frac{3}{4}$ " x 20 UNEF    | 79,47<br><b>3.129</b>  | 25,00<br><b>0.984</b> | 26,97<br><b>1.062</b> | 7,00<br><b>0.276</b>           |
| <b>16S</b>  | 13,48<br><b>0.531</b> | 7,92<br><b>0.312</b>  | $\frac{7}{8}$ " x 20 UNEF    | 79,47<br><b>3.129</b>  | 28,00<br><b>1.102</b> | 30,18<br><b>1.188</b> | 7,00<br><b>0.276</b>           |
| <b>16</b>   | 13,48<br><b>0.531</b> | 7,92<br><b>0.312</b>  | $\frac{7}{8}$ " x 20 UNEF    | 91,33<br><b>3.596</b>  | 28,00<br><b>1.102</b> | 30,18<br><b>1.188</b> | 7,00<br><b>0.276</b>           |
| <b>18</b>   | 15,87<br><b>0.625</b> | 9,53<br><b>0.375</b>  | 1" x 20 UNEF                 | 91,33<br><b>3.596</b>  | 31,00<br><b>1.220</b> | 33,32<br><b>1.312</b> | 7,00<br><b>0.276</b>           |
| <b>20</b>   | 19,00<br><b>0.748</b> | 12,70<br><b>0.500</b> | 1 $\frac{1}{8}$ " x 18 UNEF  | 91,33<br><b>3.596</b>  | 35,00<br><b>1.378</b> | 39,67<br><b>1.562</b> | 7,00<br><b>0.276</b>           |
| <b>22</b>   | 19,00<br><b>0.748</b> | 12,70<br><b>0.500</b> | 1 $\frac{1}{4}$ " x 18 UNEF  | 91,33<br><b>3.596</b>  | 38,00<br><b>1.496</b> | 39,67<br><b>1.562</b> | 7,00<br><b>0.276</b>           |
| <b>24</b>   | 23,80<br><b>0.937</b> | 15,09<br><b>0.594</b> | 1 $\frac{3}{8}$ " x 18 UNEF  | 94,51<br><b>3.721</b>  | 41,00<br><b>1.614</b> | 44,45<br><b>1.750</b> | 7,00<br><b>0.276</b>           |
| <b>28</b>   | 23,80<br><b>0.937</b> | 15,09<br><b>0.594</b> | 1 $\frac{5}{8}$ " x 18 UNEF  | 101,51<br><b>3.996</b> | 48,00<br><b>1.889</b> | 44,45<br><b>1.750</b> | 7,00<br><b>0.276</b>           |
| <b>32</b>   | 31,75<br><b>1.250</b> | 23,83<br><b>0.938</b> | 1 $\frac{7}{8}$ " x 16 UN    | 107,86<br><b>4.246</b> | 54,00<br><b>2.126</b> | 57,15<br><b>2.250</b> | 7,00<br><b>0.276</b>           |
| <b>36</b>   | 35,00<br><b>1.378</b> | 24,61<br><b>0.969</b> | 2 $\frac{1}{16}$ " x 16 UNS  | 114,21<br><b>4.496</b> | 61,00<br><b>2.402</b> | 60,33<br><b>2.375</b> | 7,00<br><b>0.276</b>           |
| <b>40</b>   | 41,25<br><b>1.624</b> | 30,18<br><b>1.188</b> | 2 $\frac{5}{16}$ " x 16 UN   | 114,21<br><b>4.496</b> | 67,00<br><b>2.638</b> | 66,68<br><b>2.625</b> | 7,00<br><b>0.276</b>           |

**LONG BACKSHELL WITH GROMMET  
TYPE 'SHE'  
STYLE: CIRBH - \*\* - \*\* - SHE - F80**



Metric  
Imperial

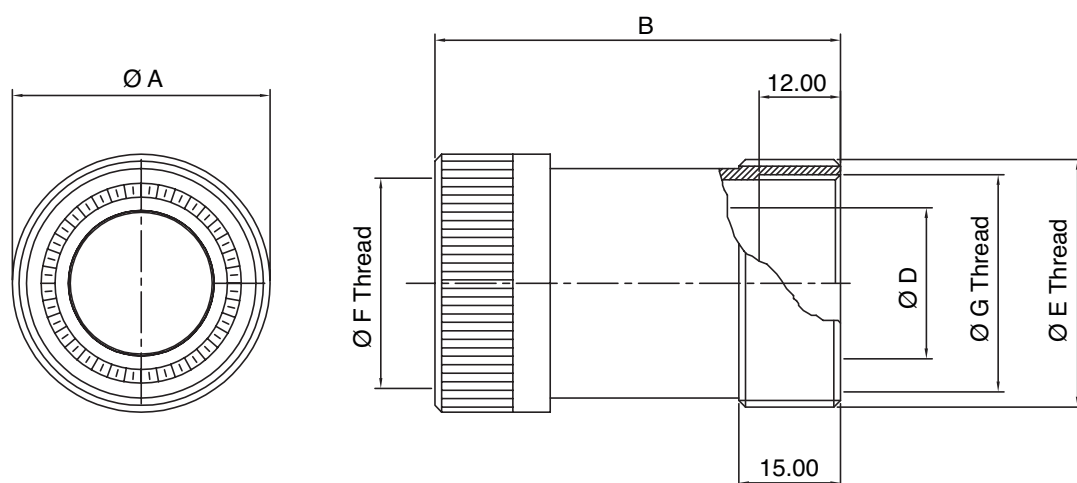
**How to order:**

CIRBH - \*\* - \*\* - SHE - F80  
Shell size ————  
Contact arrangement ————

| Shell Size  | Ø T (Max.)           | B                    | C ±0.10              | ØD ±0/-0.10          | Ø E Thd.                    | Ø F Thd.                   | Oa (Min)            |
|-------------|----------------------|----------------------|----------------------|----------------------|-----------------------------|----------------------------|---------------------|
| <b>10SL</b> | 22,0<br><b>0.866</b> | 48,5<br><b>1.909</b> | 15,0<br><b>0.591</b> | 8,5<br><b>0.335</b>  | $\frac{5}{8}$ " x 24 UNEF   | $\frac{5}{8}$ " x 24 UNEF  | 7,0<br><b>0.276</b> |
| <b>14S</b>  | 25,0<br><b>0.984</b> | 48,5<br><b>1.909</b> | 15,0<br><b>0.591</b> | 11,7<br><b>0.461</b> | $\frac{3}{4}$ " x 20 UNEF   | $\frac{3}{4}$ " x 20 UNEF  | 7,0<br><b>0.276</b> |
| <b>16S</b>  | 28,0<br><b>1.102</b> | 48,5<br><b>1.909</b> | 15,0<br><b>0.591</b> | 13,9<br><b>0.547</b> | $\frac{7}{8}$ " x 20 UNEF   | $\frac{7}{8}$ " x 20 UNEF  | 7,0<br><b>0.276</b> |
| <b>16</b>   | 28,0<br><b>1.103</b> | 58,8<br><b>2.303</b> | 15,0<br><b>0.591</b> | 13,9<br><b>0.547</b> | $\frac{7}{8}$ " x 20 UNEF   | $\frac{7}{8}$ " x 20 UNEF  | 7,0<br><b>0.276</b> |
| <b>18</b>   | 31,0<br><b>1.220</b> | 58,8<br><b>2.303</b> | 15,0<br><b>0.591</b> | 16,9<br><b>0.666</b> | 1" x 20 UNEF                | 1" x 20 UNEF               | 7,0<br><b>0.276</b> |
| <b>20</b>   | 35,0<br><b>1.378</b> | 58,8<br><b>2.303</b> | 15,0<br><b>0.591</b> | 20,9<br><b>0.823</b> | $1\frac{3}{16}$ " x 18 UNEF | $1\frac{1}{8}$ " x 18 UNEF | 7,0<br><b>0.276</b> |
| <b>22</b>   | 38,0<br><b>1.496</b> | 58,8<br><b>2.303</b> | 15,0<br><b>0.591</b> | 20,9<br><b>0.823</b> | $1\frac{3}{16}$ " x 18 UNEF | $1\frac{1}{4}$ " x 18 UNEF | 7,0<br><b>0.276</b> |
| <b>24</b>   | 41,0<br><b>1.614</b> | 58,8<br><b>2.303</b> | 15,0<br><b>0.591</b> | 25,9<br><b>1.020</b> | $1\frac{7}{16}$ " x 18 UNEF | $1\frac{3}{8}$ " x 18 UNEF | 7,0<br><b>0.276</b> |
| <b>28</b>   | 48,0<br><b>1.890</b> | 65,8<br><b>2.303</b> | 15,0<br><b>0.591</b> | 25,9<br><b>1.020</b> | $1\frac{7}{16}$ " x 18 UNEF | $1\frac{5}{8}$ " x 18 UNEF | 7,0<br><b>0.276</b> |
| <b>32</b>   | 54,0<br><b>2.126</b> | 65,8<br><b>2.303</b> | 15,0<br><b>0.591</b> | 32,0<br><b>1.260</b> | $1\frac{3}{4}$ " x 18 UNS   | $1\frac{7}{8}$ " x 16 UN   | 7,0<br><b>0.276</b> |
| <b>36</b>   | 61,0<br><b>2.402</b> | 65,8<br><b>2.303</b> | 15,0<br><b>0.591</b> | 36,9<br><b>1.453</b> | 2" x 18 UNS                 | $2\frac{1}{16}$ " x 16 UNS | 7,0<br><b>0.276</b> |
| <b>40</b>   | 67,0<br><b>2.638</b> | 65,8<br><b>2.303</b> | 15,0<br><b>0.591</b> | 44,9<br><b>1.768</b> | $2\frac{1}{4}$ " x 16 UN    | $2\frac{5}{16}$ " x 16 UN  | 7,0<br><b>0.276</b> |

**STEP-UP ADAPTOR -  
TYPE 'SUAM/SUAP'  
STYLE: CIRBH - \*\* - \*\* - SUA\* - F80**

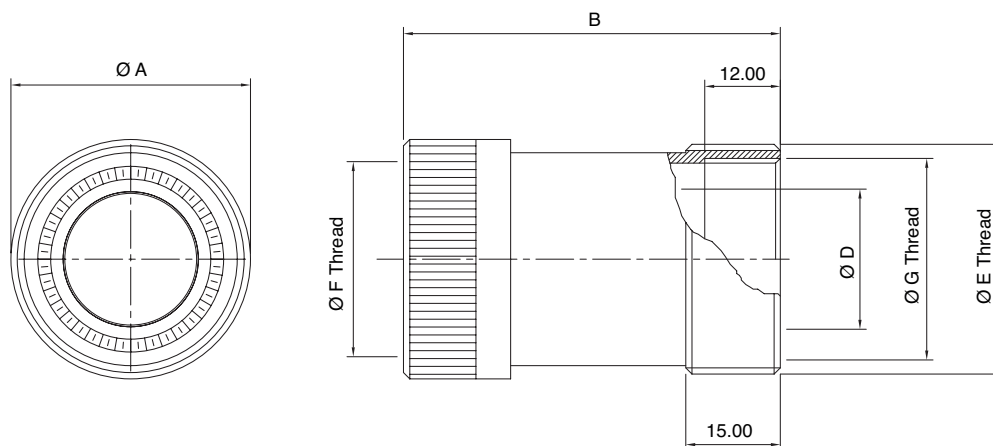
\* Indicates: M = Metric / P = PG



| Shell Size  | Thread F                                  | $\varnothing A$ max. | B    | $\varnothing D$<br>+0/-0.10 bore | Thread E                                   | $\varnothing G$ Thread |       |
|-------------|-------------------------------------------|----------------------|------|----------------------------------|--------------------------------------------|------------------------|-------|
|             |                                           |                      |      |                                  |                                            | Metric                 | PG    |
| <b>10SL</b> | Consult TE                                |                      |      |                                  |                                            |                        |       |
| <b>14S</b>  | Consult TE                                |                      |      |                                  |                                            |                        |       |
| <b>16S</b>  | Consult TE                                |                      |      |                                  |                                            |                        |       |
| <b>16</b>   | Consult TE                                |                      |      |                                  |                                            |                        |       |
| <b>18</b>   | 1" x 20 UNEF                              | 31.0                 | 58.8 | 16.7                             | 1 <sup>3</sup> / <sub>16</sub> " x 18 UNEF | M25 x 1.5              | PG 16 |
| <b>20</b>   | 1 <sup>1</sup> / <sub>8</sub> " x 18 UNEF | 35.0                 | 58.8 | 19.8                             | 1 <sup>7</sup> / <sub>16</sub> " x 18 UNEF | M32 x 1.5              | PG 21 |
| <b>22</b>   | 1 <sup>1</sup> / <sub>4</sub> " x 18 UNEF | 38.0                 | 58.8 | 19.8                             | 1 <sup>7</sup> / <sub>16</sub> " x 18 UNEF | M32 x 1.5              | PG 21 |
| <b>24</b>   | 1 <sup>3</sup> / <sub>8</sub> " x 18 UNEF | 41.0                 | 58.8 | 25.4                             | 1 <sup>3</sup> / <sub>4</sub> " x 18 UNEF  | M40 x 1.5              | PG 29 |
| <b>28</b>   | 1 <sup>5</sup> / <sub>8</sub> " x 18 UNEF | 48.0                 | 65.8 | 27.0                             | 1 <sup>3</sup> / <sub>4</sub> " x 18 UN    | M40 x 1.5              | PG 29 |
| <b>32</b>   | 1 <sup>7</sup> / <sub>8</sub> " x 16 UNEF | 54.0                 | 65.8 | 32.5                             | 2" x 18 UNS                                | M40 x 1.5              | PG 29 |
| <b>36</b>   | 2 <sup>1</sup> / <sub>16</sub> " x 16 UNS | 61.0                 | 65.8 | 35.7                             | 2 <sup>1</sup> / <sub>4</sub> " x 16 UN    | M50 x 1.5              | PG 36 |
| <b>40</b>   | 2 <sup>5</sup> / <sub>16</sub> " x 16 UNS | 67.0                 | 65.8 | 45.0                             | 2 <sup>1</sup> / <sub>2</sub> " x 16 UN    | M50 x 1.5              | PG 42 |

**STEP-DOWN ADAPTORS -  
METRIC/PG INNER THREAD, IMPERIAL OUTER THREAD  
STYLE: CIRBH - \*\* - \*\* - SDA\***

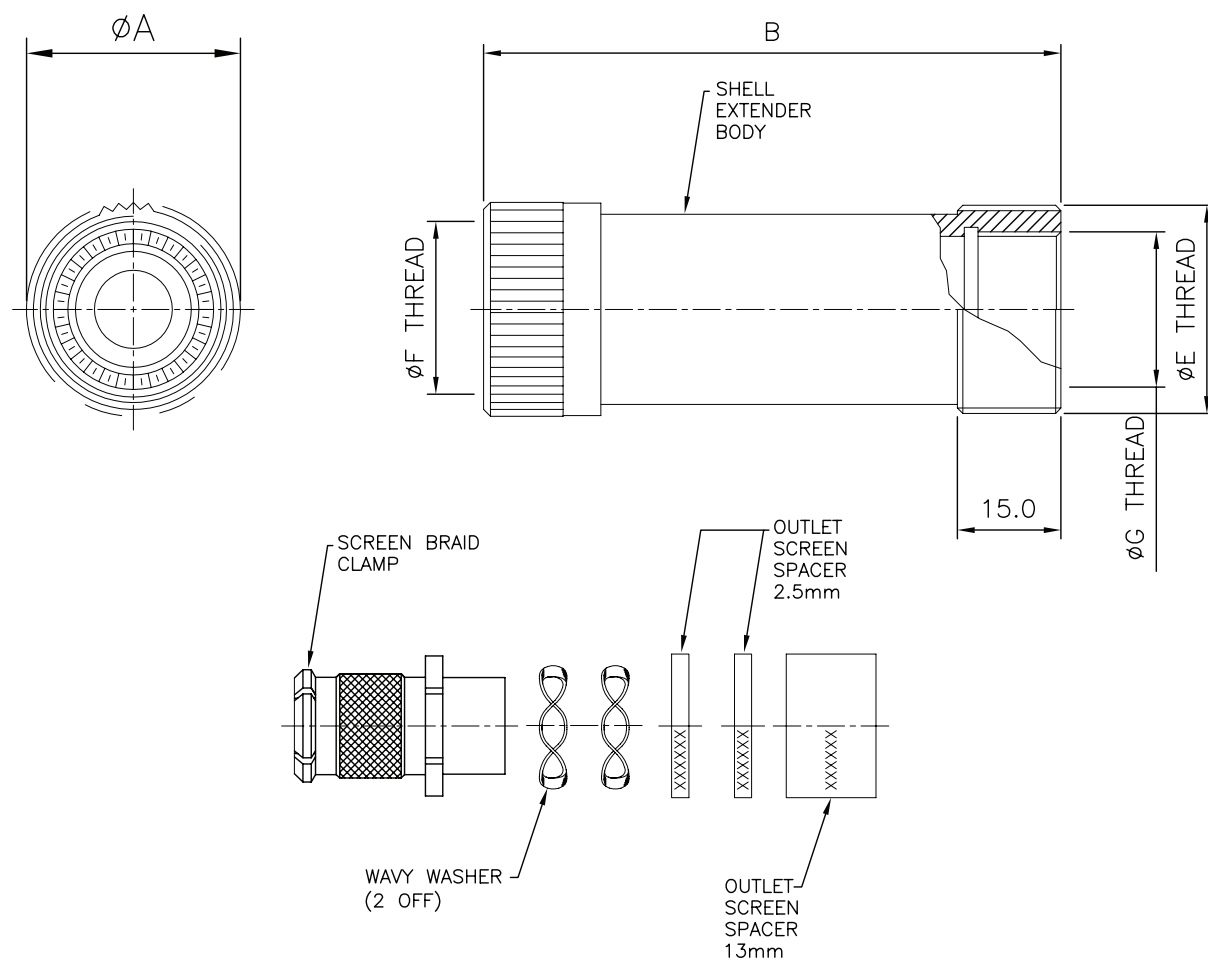
\* Indicates: M = Metric / P = PG



| Shell Size  | $\varnothing F$ Thread     | $\varnothing E$ Thread      | $\varnothing G$ Thread |        | $\varnothing A$ max. | B    | $\varnothing D +0/-0.10$ Bore |
|-------------|----------------------------|-----------------------------|------------------------|--------|----------------------|------|-------------------------------|
|             |                            |                             | Metric                 | PG     |                      |      |                               |
| <b>10SL</b> | Consult TE                 |                             |                        |        |                      |      |                               |
| <b>14S</b>  | Consult TE                 |                             |                        |        |                      |      |                               |
| <b>16S</b>  | Consult TE                 |                             |                        |        |                      |      |                               |
| <b>16</b>   | Consult TE                 |                             |                        |        |                      |      |                               |
| <b>18</b>   | 1" x 20 UNEF               | $\frac{7}{8}$ " x 20 UNEF   | M18 x 1.5              | PG11   | 31.00                | 58.8 | TBC                           |
| <b>20</b>   | $1\frac{1}{8}$ " x 18 UNEF | 1" x UNEF                   | M20 x 1.5              | PG13.5 | 35.00                | 58.8 | TBC                           |
| <b>22</b>   | $1\frac{1}{4}$ " x 18 UNEF | 1" x UNEF                   | M20 x 1.5              | PG13.5 | 38.00                | 58.8 | TBC                           |
| <b>24</b>   | $1\frac{3}{8}$ " x 18 UNEF | $1\frac{3}{16}$ " x 18 UNEF | M25 x 1.5              | PG16   | 41.00                | 58.8 | TBC                           |
| <b>28</b>   | $1\frac{5}{8}$ " x 18 UNEF | $1\frac{3}{16}$ " x 18 UNEF | M25 x 1.5              | PG16   | 48.00                | 65.8 | TBC                           |
| <b>32</b>   | $1\frac{7}{8}$ " x 16 UNEF | $1\frac{7}{16}$ " x 16 UNEF | M32 x 1.5              | PG21   | 54.00                | 65.8 | TBC                           |
| <b>36</b>   | $2\frac{1}{16}$ " x 16 UNS | $1\frac{3}{4}$ " x 16 UNEF  | M40 x 1.5              | PG29   | 61.00                | 65.8 | TBC                           |
| <b>40</b>   | $2\frac{5}{16}$ " x 16 UNS | 2" x 16 UNS                 | M40 x 1.5              | PG29   | 67.00                | 73   | TBC                           |

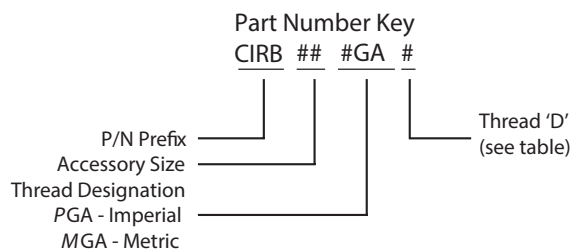
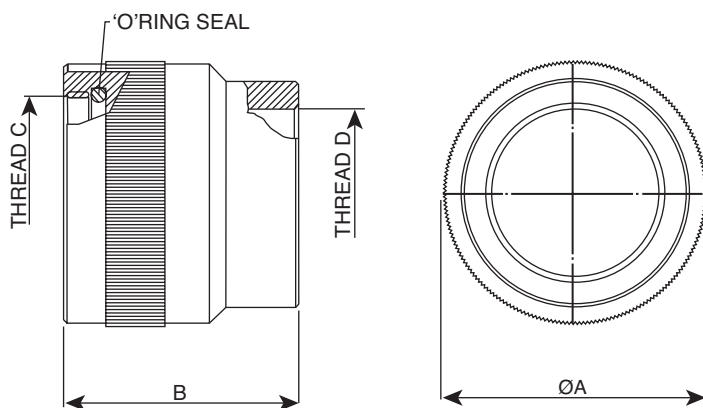
**SCREENED SHELL EXTENDER -  
METRIC/PG INNER THREAD, IMPERIAL OUTER THREAD  
STYLE: CIRBH - \*\* - \*\* - SUA\*S**

\* Indicates: M = Metric / P = PG



| Shell Size  | $\phi F$ Thread                           | $\phi E$ Thread                            | $\phi G$ Thread |      | $\phi A$ max. | B    |
|-------------|-------------------------------------------|--------------------------------------------|-----------------|------|---------------|------|
|             |                                           |                                            | Metric          | PG   |               |      |
| <b>10SL</b> | Consult TE                                |                                            |                 |      |               |      |
| <b>14S</b>  | Consult TE                                |                                            |                 |      |               |      |
| <b>16S</b>  | Consult TE                                |                                            |                 |      |               |      |
| <b>16</b>   | Consult TE                                |                                            |                 |      |               |      |
| <b>18</b>   | 1" x 20 UNEF                              | 1 <sup>3</sup> / <sub>16</sub> " x 18 UNEF | M25 x 1.5       | PG16 | 31.00         | 83.3 |
| <b>20</b>   | 1 <sup>1</sup> / <sub>8</sub> " x 18 UNEF | 1 <sup>7</sup> / <sub>16</sub> " x 18 UNEF | M32 x 1.5       | PG21 | 35.00         | 83.3 |
| <b>22</b>   | 1 <sup>1</sup> / <sub>4</sub> " x 18 UNEF | 1 <sup>7</sup> / <sub>16</sub> " x 18 UNEF | M32 x 1.5       | PG21 | 38.00         | 83.3 |
| <b>24</b>   | 1 <sup>3</sup> / <sub>8</sub> " x 18 UNEF | 1 <sup>3</sup> / <sub>4</sub> " x 18 UNEF  | M40 x 1.5       | PG29 | 41.00         | 83.3 |
| <b>28</b>   | 1 <sup>5</sup> / <sub>8</sub> " x 18 UNEF | 1 <sup>3</sup> / <sub>4</sub> " x 18 UN    | M40 x 1.5       | PG29 | 48.00         | 83.3 |
| <b>32</b>   | 1 <sup>7</sup> / <sub>8</sub> " x 16 UNEF | 2" x 18 UNS                                | M40 x 1.5       | PG29 | 54.00         | 83.3 |
| <b>36</b>   | 2 <sup>1</sup> / <sub>16</sub> " x 16 UNS | 2 <sup>1</sup> / <sub>4</sub> " x 16 UN    | M50 x 1.5       | PG36 | 61.00         | 83.3 |
| <b>40</b>   | 2 <sup>5</sup> / <sub>16</sub> " x 16 UNS | 2 <sup>1</sup> / <sub>2</sub> " x 16 UN    | M50 x 1.5       | PG42 | 67.00         | 83.3 |

# PG THREADED ADAPTORS (FITTING ON ACA, CCA, XL & FT ACCESSORY WITH PG/METRIC THREAD)



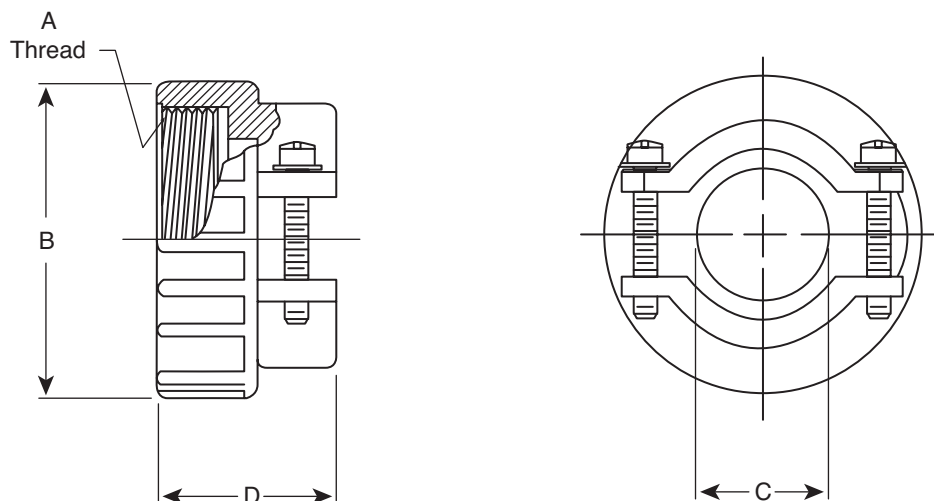
P/N Example to fit shell size 20 with a rear metric thread size M25

CIRB 20 M GA D

| Shell Size | Part Number        | ØA    | B     | Thread C          |
|------------|--------------------|-------|-------|-------------------|
| 10SL       | CIRB-10SL-#GA-#M32 | 20.00 | 35.00 | 5⁄8" x 24 UNEF    |
| 14S        | CIRB-14S-#GA-#M32  | 23.50 | 35.00 | 3⁄4" x 20 UNEF    |
| 16S        | CIRB-16S-#GA-#M32  | 28.00 | 35.00 | 7⁄8" x 20 UNEF    |
| 18         | CIRB-18-#GA-#M32   | 34.00 | 40.00 | 1" x 20 UNEF      |
| 20-22      | CIRB-20-#GA-#M32   | 37.00 | 35.00 | 1 3⁄16" x 18 UNEF |
| 20-22      | CIRB-20-#GA-#M32   | 43.00 | 40.00 |                   |
| 24-28      | CIRB-24-#GA-#M32   |       |       |                   |
| 24-28      | CIRB-24-#GA-#M32   |       |       | 1 7⁄16" x 18 UNEF |
| 24-28      | CIRB-24-#GA-#M32   | 54.00 | 46.00 |                   |
| 32         | CIRB-32-#GA-#M32   | 57.20 | 38.00 | 1 3⁄4" x 18 UNS   |
| 36         | CIRB-36-#GA-#M32   | 57.20 | 50.00 | 2" x 18 UNS       |
| 40         | CIRB-40-#GA-#M32   | 65.00 | 51.00 | 2 1⁄4" x 16 UN    |

| Thread Table (D) |             |              |             |
|------------------|-------------|--------------|-------------|
| Imperial (PGA)   | Thread Size | Metric (MGA) | Thread Size |
| A                | PG7         | A            | M12         |
| B                | PG9         | B            | M16         |
| C                | PG11        | C            | M20         |
| D                | PG13.5      | D            | M25         |
| E                | PG16        | E            | M32         |
| F                | PG21        | F            | M40         |
| G                | PG29        | G            | M50         |
| H                | PG36        | H            | M63         |
| J                | PG42        |              |             |
| K                | PG48        |              |             |

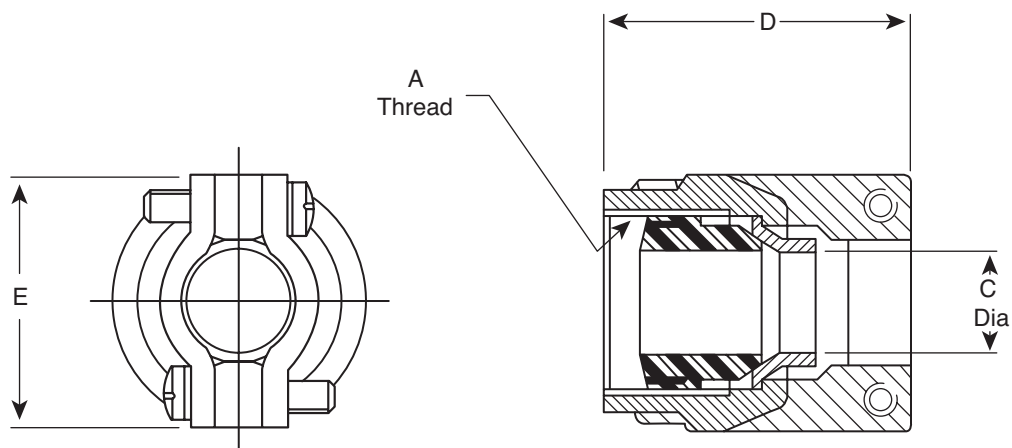
# CABLE CLAMP STYLE: MS3057A



Metric  
Imperial

| Shell Size | MS3057 Reference | Part Number     | A Thread Dia. Class 2A      | B Max                 | C Max                 | D Max                 |
|------------|------------------|-----------------|-----------------------------|-----------------------|-----------------------|-----------------------|
| 10SL       | -4A              | CIRMSP3057A10SL | $\frac{5}{8}$ " x 24 UNEF   | 21,41<br><b>0.843</b> | 7,95<br><b>0.313</b>  | 21,41<br><b>0.843</b> |
| 14S        | -6A              | CIRMSP3057A14S  | $\frac{3}{4}$ " x 20 UNEF   | 25,40<br><b>1.000</b> | 11,13<br><b>0.438</b> | 23,01<br><b>0.906</b> |
| 16S        | -8A              | CIRMSP3057A16S  | $\frac{7}{8}$ " x 20 UNEF   | 28,58<br><b>1.125</b> | 14,30<br><b>0.563</b> | 24,61<br><b>0.969</b> |
| 16         | -8A              | CIRMSP3057A16   | $\frac{7}{8}$ " x 20 UNEF   | 28,58<br><b>1.125</b> | 14,30<br><b>0.563</b> | 24,61<br><b>0.969</b> |
| 18         | -10A             | CIRMSP3057A18   | 1" x 20 UNEF                | 30,96<br><b>1.219</b> | 15,88<br><b>0.625</b> | 24,61<br><b>0.969</b> |
| 20         | -12A             | CIRMSP3057A20   | $1\frac{3}{16}$ " x 18 UNEF | 35,71<br><b>1.406</b> | 19,05<br><b>0.750</b> | 24,61<br><b>0.969</b> |
| 22         | -12A             | CIRMSP3057A22   | $1\frac{3}{16}$ " x 18 UNEF | 35,71<br><b>1.406</b> | 19,05<br><b>0.750</b> | 24,61<br><b>0.969</b> |
| 24         | -16A             | CIRMSP3057A24   | $1\frac{7}{16}$ " x 18 UNEF | 42,85<br><b>1.687</b> | 23,83<br><b>0.938</b> | 26,97<br><b>1.062</b> |
| 28         | -16A             | CIRMSP3057A28   | $1\frac{7}{16}$ " x 18 UNEF | 42,85<br><b>1.687</b> | 23,83<br><b>0.938</b> | 26,97<br><b>1.062</b> |
| 32         | -20A             | CIRMSP3057A32   | $1\frac{3}{4}$ " x 18 UNS   | 52,37<br><b>2.062</b> | 31,75<br><b>1.250</b> | 28,58<br><b>1.125</b> |
| 36         | -24A             | CIRMSP3057A36   | 2" x 18 UNS                 | 57,15<br><b>2.250</b> | 34,93<br><b>1.375</b> | 30,15<br><b>1.187</b> |
| 40         | -28A             | CIRMSP3057A40   | $2\frac{1}{4}$ " x 16 UN    | 64,29<br><b>2.531</b> | 41,28<br><b>1.625</b> | 43,66<br><b>1.719</b> |

# SEALED CABLE CLAMP FOR JACKETED CABLE STYLE: MS3057C

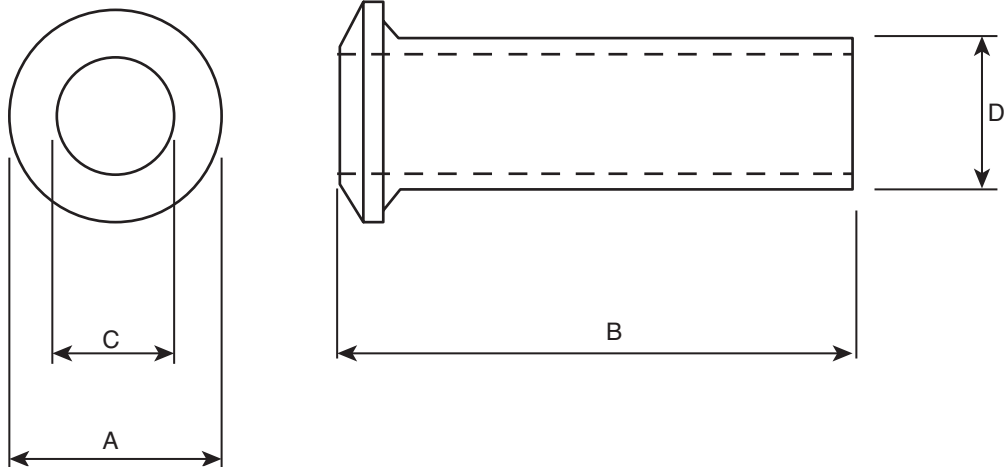


Metric  
Imperial

| Shell Size | MS3057 Reference | Part Number     | A Thread<br>Dia. Class<br>2A | C Dia.                |                       | D<br>Max              | E<br>Max              |
|------------|------------------|-----------------|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|            |                  |                 |                              | Max                   | Min                   |                       |                       |
| 10SL       | -4C              | CIRMSP3057C10SL | $\frac{5}{8}$ " x 24 UNEF    | 7,93<br><b>0.312</b>  | 2,38<br><b>0.094</b>  | 34,93<br><b>1.375</b> | 23,80<br><b>0.937</b> |
| 14S        | -6C              | CIRMSP3057C14S  | $\frac{3}{4}$ " x 20 UNEF    | 11,12<br><b>0.438</b> | 6,35<br><b>0.250</b>  | 34,93<br><b>1.375</b> | 26,97<br><b>1.062</b> |
| 16S        | -8C              | CIRMSP3057C16S  | $\frac{7}{8}$ " x 20 UNEF    | 13,48<br><b>0.531</b> | 7,92<br><b>0.312</b>  | 34,93<br><b>1.375</b> | 30,18<br><b>1.188</b> |
| 16         | -8C              | CIRMSP3057C16   | $\frac{7}{8}$ " x 20 UNEF    | 13,48<br><b>0.531</b> | 7,92<br><b>0.312</b>  | 34,93<br><b>1.375</b> | 30,18<br><b>1.188</b> |
| 18         | -10C             | CIRMSP3057C18   | 1" x 20 UNEF                 | 15,87<br><b>0.625</b> | 9,53<br><b>0.375</b>  | 36,50<br><b>1.437</b> | 33,32<br><b>1.312</b> |
| 20         | -12C             | CIRMSP3057C20   | $1\frac{3}{16}$ " x 18 UNEF  | 19,00<br><b>0.748</b> | 12,70<br><b>0.500</b> | 36,50<br><b>1.437</b> | 39,21<br><b>1.562</b> |
| 22         | -12C             | CIRMSP3057C22   | $1\frac{3}{16}$ " x 18 UNEF  | 19,00<br><b>0.748</b> | 12,70<br><b>0.500</b> | 36,50<br><b>1.437</b> | 39,21<br><b>1.562</b> |
| 24         | -16C             | CIRMSP3057C24   | $1\frac{7}{16}$ " x 18 UNEF  | 23,80<br><b>0.937</b> | 15,09<br><b>0.594</b> | 39,67<br><b>1.562</b> | 44,45<br><b>1.750</b> |
| 28         | -16C             | CIRMSP3057C28   | $1\frac{7}{16}$ " x 18 UNEF  | 23,80<br><b>0.937</b> | 15,09<br><b>0.594</b> | 39,67<br><b>1.562</b> | 44,45<br><b>1.750</b> |
| 32         | -20C             | CIRMSP3057C32   | $1\frac{3}{4}$ " x 18 UNS    | 31,75<br><b>1.250</b> | 23,83<br><b>0.938</b> | 46,02<br><b>1.812</b> | 57,15<br><b>2.250</b> |
| 36         | -24C             | CIRMSP3057C36   | 2" x 18 UNS                  | 35,00<br><b>1.378</b> | 24,61<br><b>0.969</b> | 52,37<br><b>2.062</b> | 60,33<br><b>2.375</b> |
| 40         | -28C             | CIRMSP3057C40   | $2\frac{1}{4}$ " x 16 UN     | 41,25<br><b>1.624</b> | 30,18<br><b>1.188</b> | 52,37<br><b>2.062</b> | 66,68<br><b>2.625</b> |

## TELESCOPIC BUSHING

### STYLE: MS 3057A

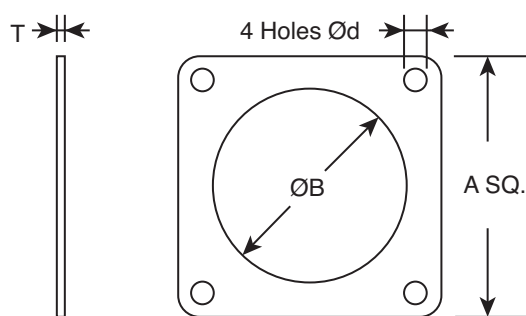


Metric  
Imperial

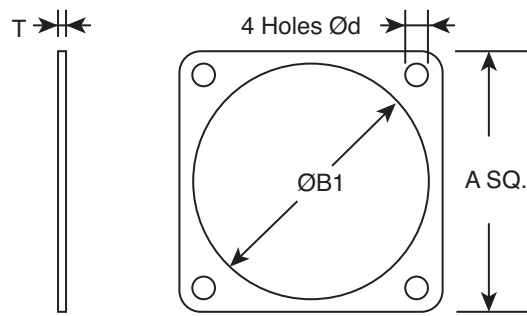
**Note:** The bushings can fit inside one another to reduce the cable entry diameter and improving clamping and sealing.

| Shell Size | Part Number   | A                     | B                     | C                     | D                     |
|------------|---------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 10SL       | CIRSBMSH5541  | 12,83<br><b>0.505</b> | 69,85<br><b>2.750</b> | 5,59<br><b>0.220</b>  | 7,62<br><b>0.300</b>  |
| 14S        | CIRSBMSH5542  | 15,88<br><b>0.625</b> | 66,68<br><b>2.625</b> | 7,92<br><b>0.312</b>  | 10,80<br><b>0.425</b> |
| 16S        | CIRSBMSH5543  | 19,05<br><b>0.750</b> | 63,50<br><b>2.500</b> | 11,10<br><b>0.437</b> | 13,97<br><b>0.550</b> |
| 16         | CIRSBMSH5543  | 19,05<br><b>0.750</b> | 63,50<br><b>2.500</b> | 11,10<br><b>0.437</b> | 13,97<br><b>0.550</b> |
| 18         | CIRSBMSH5544  | 22,23<br><b>0.875</b> | 60,33<br><b>2.375</b> | 14,27<br><b>0.562</b> | 15,57<br><b>0.613</b> |
| 20         | CIRSBMSH5545  | 25,40<br><b>1.000</b> | 57,15<br><b>2.250</b> | 15,88<br><b>0.625</b> | 18,75<br><b>0.738</b> |
| 22         | CIRSBMSH5546  | 28,58<br><b>1.125</b> | 57,15<br><b>2.250</b> | 15,88<br><b>0.625</b> | 18,75<br><b>0.738</b> |
| 24         | CIRSBMSH5547  | 31,75<br><b>1.250</b> | 53,98<br><b>2.125</b> | 19,05<br><b>0.750</b> | 23,50<br><b>0.925</b> |
| 28         | CIRSBMSH5548  | 38,23<br><b>1.505</b> | 53,98<br><b>2.125</b> | 19,05<br><b>0.750</b> | 23,50<br><b>0.925</b> |
| 32         | CIRSBMSH5549  | 44,45<br><b>1.750</b> | 50,80<br><b>2.000</b> | 23,80<br><b>0.937</b> | 31,45<br><b>1.238</b> |
| 36         | CIRSBMSH55410 | 47,88<br><b>1.885</b> | 47,63<br><b>1.875</b> | 31,75<br><b>1.250</b> | 34,62<br><b>1.363</b> |
| 40         | CIRSBMSH55411 | 52,90<br><b>2.083</b> | 44,40<br><b>1.748</b> | 34,92<br><b>1.375</b> | 40,99<br><b>1.614</b> |

# PANEL SEALING GASKETS NON-SCREENING, SEALING ONLY RFI CONDUCTIVE SCREENING & SEALING



Front Mounted Receptacle  
Part Number:  
Non-Screening- CIRSB - \*\* - RPG  
RFI Screening- CIRSB - \*\* - RPGS



Rear Mounted Receptacle  
Part Number:  
Non-Screening- CIRSB - \*\* - FPG  
RFI Screening- CIRSB - \*\* - FPGS

Metric  
Imperial

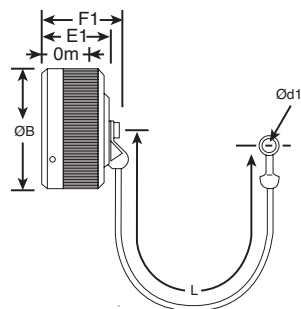
| Shell Size | A Min                  | B Nominal             | B1 Nominal            | d Min                | T Nominal            |
|------------|------------------------|-----------------------|-----------------------|----------------------|----------------------|
| 10SL       | 25,40<br><b>1.000</b>  | 15,88<br><b>0.625</b> | 18,30<br><b>0.720</b> | 3,43<br><b>0.135</b> | 1,00<br><b>0.040</b> |
| 14S        | 30,20<br><b>1.188</b>  | 19,00<br><b>0.750</b> | 24,70<br><b>0.972</b> | 3,43<br><b>0.135</b> | 1,00<br><b>0.040</b> |
| 16S        | 32,50<br><b>1.280</b>  | 22,20<br><b>0.875</b> | 27,50<br><b>1.083</b> | 3,43<br><b>0.135</b> | 1,00<br><b>0.040</b> |
| 16         | 32,50<br><b>1.280</b>  | 22,20<br><b>0.875</b> | 27,50<br><b>1.083</b> | 3,43<br><b>0.135</b> | 1,00<br><b>0.040</b> |
| 18         | 34,90<br><b>1.375</b>  | 25,40<br><b>1.000</b> | 30,90<br><b>1.217</b> | 3,43<br><b>0.135</b> | 1,00<br><b>0.040</b> |
| 20         | 38,10<br><b>1.500</b>  | 28,60<br><b>1.125</b> | 34,30<br><b>1.350</b> | 3,43<br><b>0.135</b> | 1,00<br><b>0.040</b> |
| 22         | 41,30<br><b>1.625</b>  | 31,70<br><b>1.250</b> | 37,50<br><b>1.476</b> | 3,43<br><b>0.135</b> | 1,00<br><b>0.040</b> |
| 24         | 44,50<br><b>1.750</b>  | 34,90<br><b>1.375</b> | 41,00<br><b>1.614</b> | 4,12<br><b>0.162</b> | 1,00<br><b>0.040</b> |
| 28         | 50,80<br><b>2.000</b>  | 41,30<br><b>1.625</b> | 46,80<br><b>1.843</b> | 4,12<br><b>0.162</b> | 1,00<br><b>0.040</b> |
| 32         | 57,20<br><b>2.250</b>  | 47,60<br><b>1.875</b> | 53,50<br><b>2.106</b> | 4,78<br><b>0.188</b> | 1,00<br><b>0.040</b> |
| 36         | 63,50<br><b>2.500</b>  | 52,60<br><b>2.071</b> | 59,70<br><b>2.350</b> | 4,78<br><b>0.188</b> | 1,00<br><b>0.040</b> |
| 40         | 69,90<br><b>2.750</b>  | 61,90<br><b>2.440</b> | 65,50<br><b>2.580</b> | 5,10<br><b>2.010</b> | 1,00<br><b>0.040</b> |
| *49        | 110,00<br><b>4.331</b> | 98,10<br><b>3.862</b> | 98,10<br><b>3.862</b> | 7,90<br><b>0.311</b> | 1,25<br><b>0.049</b> |

\*Size 49 is available as non-screened version only.

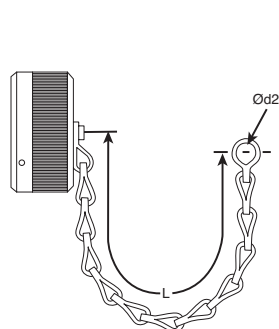
# PROTECTIVE CAPS

STYLES: CIRBE-\*\*-X-PCA/X-PCAK & X-PCAJ/X-PCAJK TEB-\*\*-E-PAC/E-PCAK

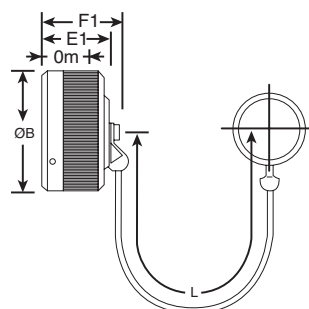
CIRBE-\*\*-X-PCA  
(with nylon cord)



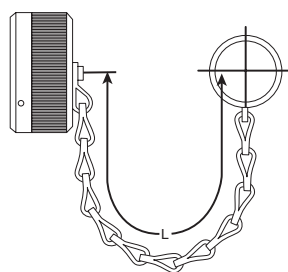
CIRBE-\*\*-X-PCAK  
(with sash chain)



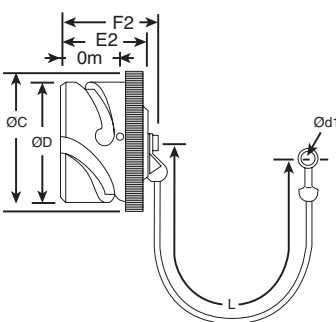
CIRBE-\*\*-X-PCAJ  
(with nylon cord)



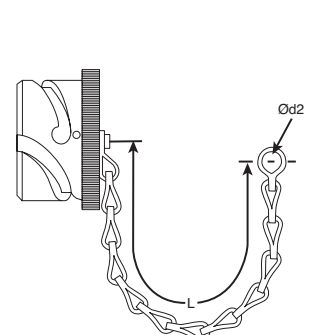
CIRBE-\*\*-X-PCAJK  
(with sash chain)



CIRB-\*\*-E-PCA  
(with nylon cord)



CIRB-\*\*-E-PCAK  
(with sash chain)



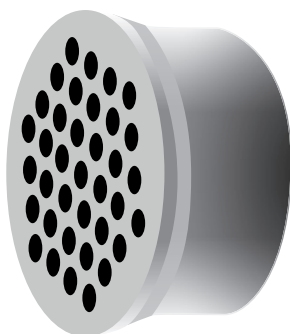
Caps for Single Hole  
Mounting Receptacle

Metric  
Imperial

| Shell Size | B Max          | C Max          | D Max          | E1 Max         | E2 Max         | F1 Max         | F2 Max         | L approx. See note | d1 Min        | d2 +0.5, -0 +0.02, -0 | Om Min Overlap Mated |
|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|---------------|-----------------------|----------------------|
| 10SL       | 22,80<br>0.898 | 26,10<br>1.028 | 18,20<br>0.717 | 17,50<br>0.689 | 21,60<br>0.850 | 24,60<br>0.969 | 28,40<br>1.118 | 100,00<br>4.000    | 4,85<br>0.191 | 4,30<br>0.169         | 11,10<br>0.437       |
| 14S        | 29,20<br>1.150 | 32,50<br>1.280 | 24,60<br>0.969 | 17,50<br>0.689 | 21,60<br>0.850 | 24,60<br>0.969 | 28,40<br>1.118 | 100,00<br>4.000    | 4,85<br>0.191 | 4,30<br>0.169         | 11,10<br>0.437       |
| 16S        | 32,40<br>1.276 | 35,30<br>1.390 | 27,40<br>1.079 | 17,50<br>0.689 | 21,60<br>0.850 | 24,60<br>0.969 | 28,40<br>1.118 | 100,00<br>4.000    | 4,85<br>0.191 | 4,30<br>0.169         | 11,10<br>0.437       |
| 16         | 32,40<br>1.276 | 35,30<br>1.390 | 27,40<br>1.079 | 24,00<br>0.945 | 27,30<br>1.075 | 24,60<br>0.969 | 28,40<br>1.118 | 100,00<br>4.000    | 4,85<br>0.191 | 4,30<br>0.169         | 15,85<br>0.624       |
| 18         | 36,50<br>1.437 | 38,70<br>1.524 | 30,80<br>1.213 | 24,00<br>0.945 | 27,30<br>1.075 | 29,80<br>1.173 | 33,90<br>1.335 | 150,00<br>6.000    | 4,85<br>0.191 | 4,30<br>0.169         | 15,85<br>0.624       |
| 20         | 39,90<br>1.571 | 42,10<br>1.658 | 34,20<br>1.346 | 24,00<br>0.945 | 27,30<br>1.075 | 29,80<br>1.173 | 33,90<br>1.335 | 150,00<br>6.000    | 4,85<br>0.191 | 4,30<br>0.169         | 15,85<br>0.624       |
| 22         | 43,10<br>1.697 | 45,30<br>1.784 | 37,40<br>1.472 | 24,00<br>0.945 | 27,30<br>1.075 | 29,80<br>1.173 | 33,90<br>1.335 | 150,00<br>6.000    | 4,85<br>0.191 | 4,30<br>0.169         | 15,75<br>0.620       |
| 24         | 46,60<br>1.835 | 48,80<br>1.921 | 40,90<br>1.610 | 24,00<br>0.945 | 27,30<br>1.075 | 29,80<br>1.173 | 33,90<br>1.335 | 150,00<br>6.000    | 4,85<br>0.191 | 4,30<br>0.169         | 15,75<br>0.620       |
| 28         | 53,40<br>2.102 | 54,60<br>2.150 | 46,70<br>1.838 | 24,00<br>0.945 | 27,30<br>1.075 | 29,80<br>1.173 | 33,90<br>1.335 | 150,00<br>6.000    | 4,85<br>0.191 | 4,30<br>0.169         | 15,75<br>0.620       |
| 32         | 60,10<br>2.366 | 61,30<br>2.413 | 53,40<br>2.102 | 27,00<br>1.063 | 27,30<br>1.075 | 29,80<br>1.173 | 33,90<br>1.335 | 150,00<br>6.000    | 4,85<br>0.191 | 5,50<br>0.217         | 15,75<br>0.620       |
| 36         | 66,30<br>2.610 | 67,50<br>2.658 | 59,60<br>2.346 | 27,00<br>1.063 | 27,30<br>1.075 | 29,80<br>1.173 | 33,90<br>1.335 | 150,00<br>6.000    | 4,85<br>0.191 | 5,50<br>0.217         | 15,75<br>0.620       |
| 40         | 72,10<br>2.838 | 73,40<br>2.890 | 65,50<br>2.579 | 27,00<br>1.063 | 27,30<br>1.075 | 29,80<br>1.173 | 33,90<br>1.335 | 150,00<br>6.000    | 4,85<br>0.191 | 5,50<br>0.217         | 15,75<br>0.620       |

**Note:** For alternative cord or chain length, please consult TE.

# INDIVIDUAL WIRE SEAL GROMMET DUMMY PIN, SOCKET & GROMMET FILLER PLUG



## How to order:

CIRBH - \*\* - \*\* - GAC - F80

Shell size

Contact arrangement

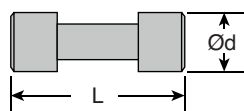
Metric  
Imperial

| F80 Contact Sizes<br>AWG (Metric) | *Wire Insulation<br>Min O/D | *Wire Insulation<br>Max O/D |
|-----------------------------------|-----------------------------|-----------------------------|
| <b>16S/16</b> (15S/15)            | 1,52<br><b>0.060</b>        | 3,20<br><b>0.126</b>        |
| <b>12</b> (25)                    | 2,44<br><b>0.096</b>        | 5,12<br><b>0.202</b>        |
| <b>8</b> (100)                    | 4,90<br><b>0.193</b>        | 7,20<br><b>0.283</b>        |
| <b>4</b> (160)                    | 8,18<br><b>0.322</b>        | 11,00<br><b>0.433</b>       |
| <b>**0</b> (500)                  | 14,00<br><b>0.551</b>       | 16,00<br><b>0.630</b>       |

\* Please contact sales office for further detail.

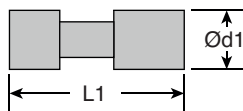
\*\* For details of grommet reducing bushes to suit 35mm<sup>2</sup>, 25mm<sup>2</sup> & 16mm<sup>2</sup> wire, please contact the sales office.

## Grommet Filler Plug



CIRB-\*\*-KFP F80

## Dummy Contact



CIRB-\*\*-KDP F80

Metric  
Imperial

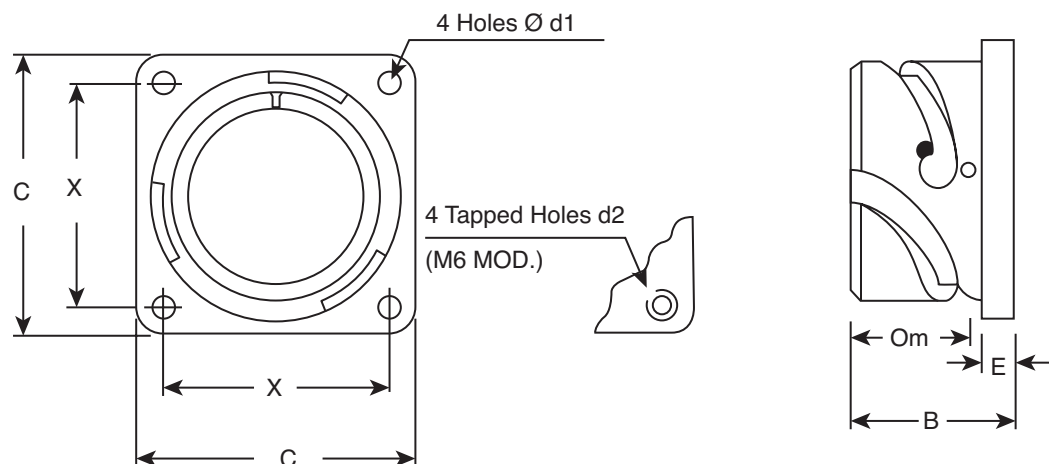
| Contact Size<br>AWG (Metric) | L<br>Max              | d<br>Max              | L1<br>Max             | d1<br>Max             | Colour<br>Code     |
|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
| <b>***16</b> (15)            | 12,30<br><b>0.484</b> | 3,90<br><b>0.154</b>  | 20,00<br><b>0.787</b> | 3,20<br><b>0.126</b>  | Brown<br>(KDP/KDS) |
| <b>12</b> (25)               | 12,30<br><b>0.484</b> | 4,80<br><b>0.189</b>  | 20,40<br><b>0.803</b> | 4,80<br><b>0.189</b>  | Orange             |
| <b>8</b> (100)               | 12,10<br><b>0.476</b> | 7,00<br><b>0.276</b>  | 22,75<br><b>0.896</b> | 7,80<br><b>0.307</b>  | Violet             |
| <b>4</b> (160)               | 12,10<br><b>0.476</b> | 10,20<br><b>0.402</b> | *                     | *                     | Black              |
| <b>0</b> (500)               | 12,50<br><b>0.500</b> | 15,60<br><b>0.614</b> | 24,60<br><b>0.969</b> | 15,00<br><b>0.590</b> | White              |

\* Please consult TE for availability.

\*\*\* For Grommet Filler Plugs (KFP), do not add F80 to part number. Colour Blue.

# SQUARE FLANGE STOWAGE RECEPTACLE

## STYLE: CIR - \*\* - SX/SX - M6



### Note:

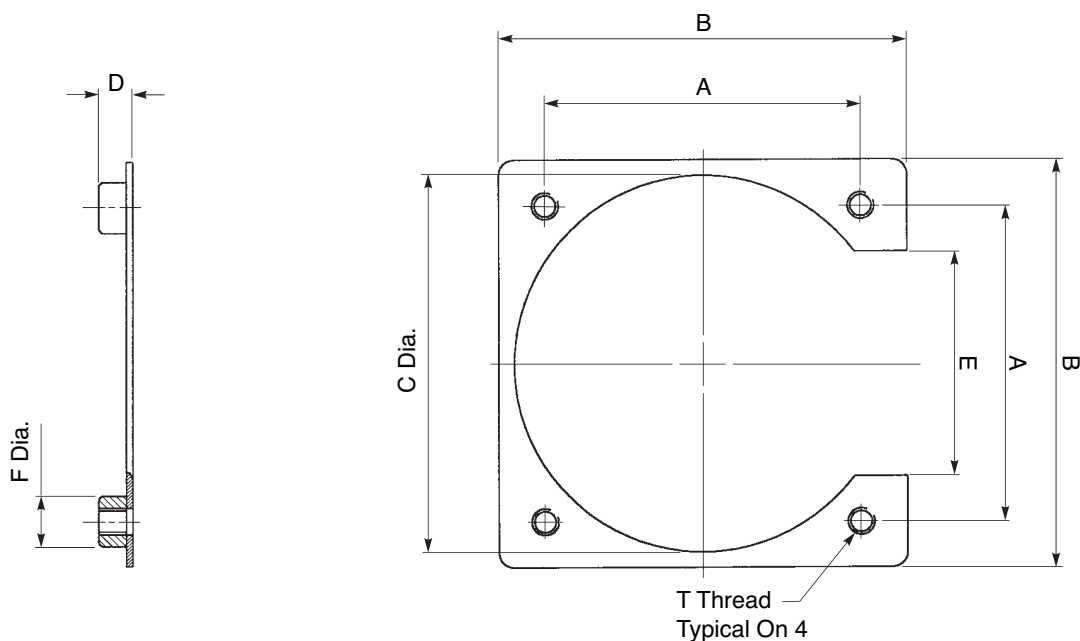
See page 90 for mounting details

- This part has a hole through the centre
- In order to maintain sealing to a panel (when used with Gasket), the panel cut out should not include the connector through hole
- Not normally practical with tapped holes.

Metric  
Imperial

| Part Number | B Max          | C Max           | D1 Min        | d2 Thread | E Max         | X              | Om min overlap mated |
|-------------|----------------|-----------------|---------------|-----------|---------------|----------------|----------------------|
| CIR-10SL-SX | 17,60<br>0.693 | 25,70<br>1.012  | 3,20<br>0.126 | M4        | 3,00<br>0.118 | 18,20<br>0.717 | 11,10<br>0.437       |
| CIR-14S-SX  | 18,00<br>0.709 | 30,30<br>1.193  | 3,20<br>0.126 | M4        | 3,40<br>0.134 | 23,10<br>0.909 | 11,10<br>0.437       |
| CIR-16S-SX  | 18,00<br>0.709 | 32,80<br>1.291  | 3,20<br>0.126 | M4        | 3,40<br>0.134 | 24,60<br>0.969 | 11,10<br>0.437       |
| CIR-16-SX   | 22,80<br>0.898 | 32,80<br>1.291  | 3,20<br>0.126 | M4        | 3,40<br>0.134 | 24,60<br>0.969 | 15,85<br>0.624       |
| CIR-18-SX   | 23,60<br>0.929 | 35,30<br>1.390  | 3,20<br>0.126 | M4        | 4,20<br>0.165 | 27,00<br>1.063 | 15,85<br>0.624       |
| CIR-20-SX   | 23,60<br>0.929 | 38,30<br>1.508  | 3,20<br>0.126 | M4        | 4,20<br>0.165 | 29,40<br>1.157 | 15,85<br>0.624       |
| CIR-22-SX   | 23,60<br>0.929 | 41,30<br>1.626  | 3,20<br>0.126 | M4        | 4,20<br>0.165 | 31,80<br>1.252 | 15,75<br>0.620       |
| CIR-24-SX   | 25,20<br>0.992 | 44,80<br>1.764  | 3,70<br>0.146 | M4        | 4,20<br>0.165 | 34,90<br>1.374 | 15,75<br>0.620       |
| CIR-28-SX   | 25,20<br>0.992 | 51,10<br>2.012  | 3,70<br>0.146 | M5        | 4,20<br>0.165 | 39,70<br>1.563 | 15,75<br>0.620       |
| CIR-32-SX   | 26,80<br>1.055 | 57,30<br>2.256  | 4,30<br>0.169 | M5        | 4,20<br>0.165 | 44,50<br>1.752 | 15,75<br>0.620       |
| CIR-36-SX   | 26,80<br>1.055 | 63,80<br>2.512  | 4,30<br>0.169 | M5        | 4,20<br>0.165 | 49,20<br>1.937 | 15,75<br>0.620       |
| CIR-40-SX   | 26,80<br>1.055 | 70,20<br>2.763  | 4,30<br>0.169 | M5        | 4,20<br>0.165 | 55,50<br>2.185 | 15,75<br>0.620       |
| CIR-49-SX   | 56,73<br>2.233 | 110,40<br>4.346 | 8,50<br>0.335 | -         | 8,20<br>0.323 | 90,00<br>3.543 |                      |

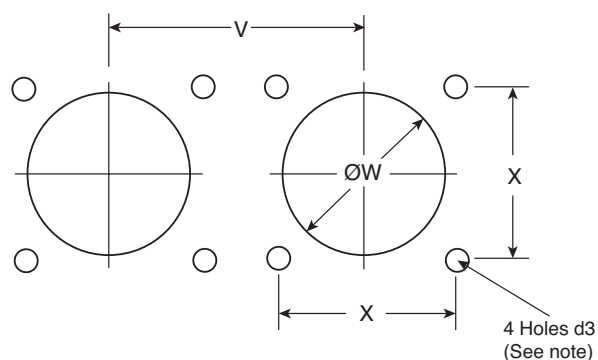
**SQUARE FLANGE RECEPTACLE NUT PLATES**  
**STYLE: CIRB \*\* NP (METRIC THREAD)/NPA (UNC THREAD)**



Metric  
Imperial

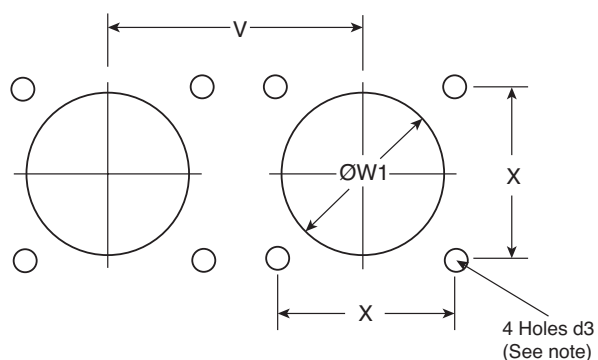
| Shell Size | A              | B Max          | C Dia. Max     | D                        | E Max          | F Dia. Max    | T Thread | Part Number | T Thread   | Part Number |
|------------|----------------|----------------|----------------|--------------------------|----------------|---------------|----------|-------------|------------|-------------|
| 10SL       | 18,26<br>0.719 | 26,26<br>1.034 | 17,85<br>0.702 | 2,69/4,22<br>0.106/0.166 | 11,50<br>0.453 | 6,00<br>0.236 | M3 x 0,5 | CIRB10SLNP  | 4 - 40 UNC | CIRB10SLNPA |
| 14S        | 23,01<br>0.906 | 30,66<br>1.207 | 24,59<br>0.968 | 2,69/4,22<br>0.106/0.166 | 16,25<br>0.640 | 6,00<br>0.236 | M3 x 0,5 | CIRB14SNP   | 4 - 40 UNC | CIRB14SNPA  |
| 16S        | 24,61<br>0.969 | 32,26<br>1.270 | 28,17<br>1.109 | 2,69/4,22<br>0.106/0.166 | 17,85<br>0.703 | 6,00<br>0.236 | M3 x 0,5 | CIRB16SNP   | 4 - 40 UNC | CIRB16SNPA  |
| 16         | 24,61<br>0.969 | 32,26<br>1.270 | 28,17<br>1.109 | 2,69/4,22<br>0.106/0.166 | 17,85<br>0.703 | 6,00<br>0.236 | M3 x 0,5 | CIRB16NP    | 4 - 40 UNC | CIRB16NPA   |
| 18         | 26,97<br>1.062 | 34,62<br>1.363 | 30,48<br>1.250 | 2,69/4,22<br>0.106/0.166 | 20,21<br>0.796 | 6,00<br>0.236 | M3 x 0,5 | CIRB18NP    | 4 - 40 UNC | CIRB18NPA   |
| 20         | 29,36<br>1.156 | 38,48<br>1.515 | 33,53<br>1.320 | 2,69/4,22<br>0.106/0.166 | 22,47<br>0.885 | 6,00<br>0.236 | M3 x 0,5 | CIRB20NP    | 4 - 40 UNC | CIRB20NPA   |
| 22         | 31,75<br>1.250 | 40,84<br>1.608 | 36,65<br>1.443 | 2,69/4,22<br>0.106/0.166 | 23,54<br>0.927 | 6,00<br>0.236 | M3 x 0,5 | CIRB22NP    | 4 - 40 UNC | CIRB22NPA   |
| 24         | 34,93<br>1.375 | 44,83<br>1.765 | 40,00<br>1.575 | 2,69/4,22<br>0.106/0.166 | 25,90<br>1.020 | 7,50<br>0.295 | M3 x 0,5 | CIRB24NP    | 4 - 40 UNC | CIRB24NPA   |
| 28         | 39,67<br>1.562 | 51,18<br>2.015 | 46,61<br>1.835 | 2,69/4,22<br>0.106/0.166 | 29,08<br>1.145 | 7,50<br>0.295 | M3 x 0,5 | CIRB28NP    | 4 - 40 UNC | CIRB28NPA   |
| 32         | 44,45<br>1.750 | 59,10<br>2.327 | 52,75<br>2.077 | 3,50/5,00<br>0.138/0.197 | 30,68<br>1.208 | 8,00<br>0.315 | M4 x 0,7 | CIRB32NP    | 8 - 32 UNC | CIRB32NPA   |
| 36         | 49,23<br>1.968 | 63,86<br>2.514 | 59,10<br>2.327 | 3,50/5,00<br>0.138/0.197 | 35,43<br>1.395 | 8,00<br>0.315 | M4 x 0,7 | CIRB36NP    | 8 - 32 UNC | CIRB36NPA   |
| 40         | 55,58<br>2.188 | 74,68<br>2.940 | 68,33<br>2.690 | 3,50/5,00<br>0.138/0.197 | 38,60<br>1.520 | 8,00<br>0.315 | M4 x 0,7 | CIRB40NP    | 8 - 32 UNC | CIRB40NPA   |

## SQUARE FLANGE RECEPTACLES PANEL MOUNTING DETAIL



### Front Mounting Style:

CIRH00  
CIRH04  
CIRH12A



### Rear Mounting Style:

CIRH03  
CIRH05 & 07

#### Note 1:

When fixed connectors are used with threaded mounting holes, refer to hole sizes in column d4.

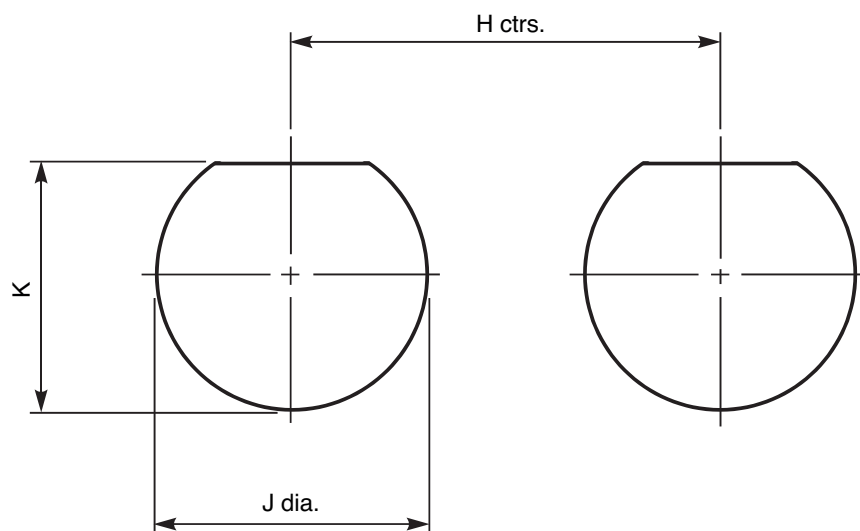
#### Note 2:

When fixed connectors are used with plugs having rubber coupling nuts, please consult factory for panel cut-out dimensions.

Metric  
Imperial

| Shell Size | d3 dia.       | d4 dia.       | V               | W              | W1             | X              |
|------------|---------------|---------------|-----------------|----------------|----------------|----------------|
| 10SL       | 3,40<br>0.134 | 4,50<br>0.177 | 26,60<br>1.047  | 17,00<br>0.670 | 18,58<br>0.732 | 18,20<br>0.717 |
| 14S        | 3,40<br>0.134 | 4,50<br>0.177 | 31,60<br>1.244  | 20,00<br>0.780 | 24,98<br>0.984 | 23,00<br>0.906 |
| 16S        | 3,40<br>0.134 | 4,50<br>0.177 | 34,40<br>1.354  | 23,00<br>0.906 | 27,78<br>1.094 | 24,60<br>0.969 |
| 16         | 3,40<br>0.134 | 4,50<br>0.177 | 34,40<br>1.354  | 23,00<br>0.906 | 27,78<br>1.094 | 24,60<br>0.969 |
| 18         | 3,40<br>0.134 | 4,50<br>0.177 | 38,30<br>1.508  | 26,00<br>1.024 | 31,18<br>1.228 | 27,00<br>1.063 |
| 20         | 3,40<br>0.134 | 4,50<br>0.177 | 41,70<br>1.642  | 30,00<br>1.181 | 34,58<br>1.361 | 29,40<br>1.157 |
| 22         | 3,40<br>0.134 | 4,50<br>0.177 | 45,20<br>1.780  | 33,00<br>1.300 | 37,78<br>1.487 | 31,80<br>1.252 |
| 24         | 3,90<br>0.154 | 4,50<br>0.177 | 48,70<br>1.917  | 36,00<br>1.417 | 41,28<br>1.625 | 34,90<br>1.374 |
| 28         | 3,90<br>0.154 | 5,50<br>0.217 | 55,50<br>2.185  | 42,00<br>1.654 | 47,08<br>1.854 | 39,70<br>1.563 |
| 32         | 4,50<br>0.177 | 5,50<br>0.217 | 62,40<br>2.475  | 48,50<br>1.909 | 53,78<br>2.117 | 44,50<br>1.752 |
| 36         | 4,50<br>0.177 | 5,50<br>0.217 | 69,00<br>2.717  | 55,00<br>2.165 | 59,98<br>2.361 | 49,20<br>1.937 |
| 40         | 4,50<br>0.177 | 5,50<br>0.217 | 75,00<br>2.953  | 59,10<br>2.327 | 66,4<br>2.614  | 55,50<br>2.186 |
| 49         | 8,50<br>0.315 | -             | 140,00<br>5.512 | 91,00<br>3.583 | 91,00<br>3.583 | 90,00<br>3.543 |

## SINGLE HOLE MOUNTING RECEPTACLE PANEL MOUNTING DETAIL

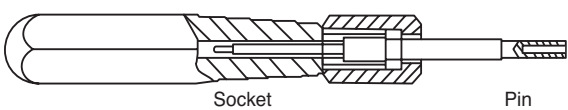
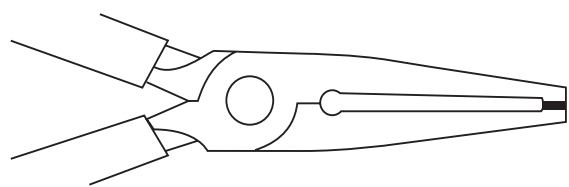


Metric  
Imperial

### Note:

When fixed connectors are used with plugs having rubber coupling nuts, please consult factory for panel cut-out dimensions.

| Shell Size | H ctrs.               | J dia.                | K                     |
|------------|-----------------------|-----------------------|-----------------------|
| 10SL       | 32,55<br><b>1.281</b> | 22,53<br><b>0.887</b> | 20,83<br><b>0.820</b> |
| 14S        | 42,05<br><b>1.656</b> | 28,88<br><b>1.137</b> | 27,23<br><b>1.072</b> |
| 16S        | 45,15<br><b>1.776</b> | 32,08<br><b>1.263</b> | 30,78<br><b>1.212</b> |
| 16         | 45,15<br><b>1.776</b> | 32,08<br><b>1.263</b> | 30,78<br><b>1.212</b> |
| 18         | 48,85<br><b>1.923</b> | 35,23<br><b>1.387</b> | 33,58<br><b>1.322</b> |
| 20         | 52,05<br><b>2.049</b> | 38,43<br><b>1.513</b> | 36,68<br><b>1.444</b> |
| 22         | 55,45<br><b>2.183</b> | 41,56<br><b>1.636</b> | 39,88<br><b>1.570</b> |
| 24         | 58,45<br><b>2.301</b> | 44,78<br><b>1.763</b> | 43,18<br><b>1.700</b> |
| 28         | 65,25<br><b>2.569</b> | 51,13<br><b>2.013</b> | 49,37<br><b>1.944</b> |
| 32         | 71,55<br><b>2.817</b> | 57,48<br><b>2.263</b> | 55,78<br><b>2.196</b> |
| 36         | 77,95<br><b>3.069</b> | 63,83<br><b>2.513</b> | 62,18<br><b>2.448</b> |
| 40         | 85,25<br><b>3.356</b> | 70,18<br><b>2.763</b> | 68,38<br><b>2.692</b> |



Insertion Tool

| Contact Size<br>AWG (Metric) | Insertion Tool<br>Part Number |
|------------------------------|-------------------------------|
| 16 (16S)                     | CIRB-IT-16                    |
| 16 (15)                      | CIRB-IT-16                    |
| 12 (25)                      | CIRB-IT-12                    |
| 8 (100)                      | Tool Not<br>Required          |
| 4 (160)                      |                               |
| 0 (500)                      |                               |

Extraction Tool

| Contact Size<br>AWG (Metric) | Extraction Tool<br>Part Number |
|------------------------------|--------------------------------|
| 16 (16S)                     | CIRB-ET-16                     |
| 16 (15)                      | CIRB-ET-16                     |
| 12 (25)                      | CIRB-ET-12                     |
| 8 (100)                      | Tool Not<br>Required           |
| 4 (160)                      |                                |
| 0 (500)                      |                                |

Socket Contact Guide Pin

| Socket<br>Contact Size<br>AWG (Metric) | Guide Pin<br>Part Number     |
|----------------------------------------|------------------------------|
| 16 (16S)                               | CIRB-16-SGP                  |
| 16 (15)                                | CIRB-16-SGP                  |
| 12 (25)                                | CIRB-12-SGP                  |
| 8 (100)                                | Guide Pin<br>Not<br>Required |
| 4 (160)                                |                              |
| 0 (500)                                |                              |

## F80 CONTACTS CRIMP & TOOLING DATA

| Contact Size & Type | Contact Part Number | Wire Size C.S.A. mm <sup>2</sup> | Tool Required | Turret/Locator | Tool Setting | Tool Pos'n If Applicable | Insertion Tool | Extraction Tool | Guide Pins |
|---------------------|---------------------|----------------------------------|---------------|----------------|--------------|--------------------------|----------------|-----------------|------------|
| 16S/20 Pin          | CIRB16S/20KPKF80    | 0,5/0,6                          | FT8/WA27F     | TP1249         | 3            | -                        | CIRIT16        | CIRET16         | -          |
| 16S/20 Skt.         | CIRB16S/20KSKF80    | 0,5/0,6                          | FT8/WA27F     | TP1249         | 3            | -                        | CIRIT16        | CIRET16         | CIRB16SG   |
| 16S/18 Pin          | CIRB16S/18KPKF80    | 0,75/0,93                        | FT8/WA27F     | TP1249         | 4            | -                        | CIRIT16        | CIRET16         | -          |
| 16S/18 Skt.         | CIRB16S/18KSKF80    | 0,75/0,93                        | FT8/WA27F     | TP1249         | 4            | -                        | CIRIT16        | CIRET16         | CIRB16SG   |
| 16S/14 Pin          | CIRB16S/14KPKF80    | 1,94/2,08                        | FT8/WA27F     | TP1249         | 5            | -                        | CIRIT16        | CIRET16         | -          |
| 16S/14 Skt.         | CIRB16S/14KSKF80    | 1,94/2,08                        | FT8/WA27F     | TP1249         | 5            | -                        | CIRIT16        | CIRET16         | CIRB16SG   |
| 16S/12 Pin          | CIRB16S/12KPKF80    | 2,50/3,00                        | FT8/WA27F     | TP1249         | 7            | -                        | CIRIT16        | CIRET16         | -          |
| 16S/12 Skt.         | CIRB16S/12KPKF80    | 2,50/3,00                        | FT8/WA27F     | TP1249         | 7            | -                        | CIRIT16        | CIRET16         | CIRB16SG   |
| 16S Pin             | CIRB16SKPKF80       | 0,93/1,5                         | FT8/WA27F     | TP1249         | 5            | -                        | CIRIT16        | CIRET16         | -          |
| 16S Skt.            | CIRB16SKSKF80       | 0,93/1,5                         | FT8/WA27F     | TP1249         | 5            | -                        | CIRIT16        | CIRET16         | CIRB16SG   |
| LIF 16S Skt.        | CIRB16SKLKf80       | 0,93/1,5                         | FT8/WA27F     | TP1249         | 5            | -                        | CIRIT16        | CIRET16         | CIRB16SG   |
| 16/22 Pin           | CIRB16/22KPKF80     | 0,22/0,34                        | FT8/WA27F     | TH592          | 2/3          | Red                      | CIRIT16        | CIRET16         | -          |
| 16/22 Skt.          | CIRB16/22KSKF80     | 0,22/0,34                        | FT8/WA27F     | TH592          | 2/3          | Blue                     | CIRIT16        | CIRET16         | CIRB16SG   |
| 16/20 Pin           | CIRB16/20KPKF80     | 0,5/0,6                          | FT8/WA27F     | TH592          | 3            | Blue                     | CIRIT16        | CIRET16         | -          |
| 16/20 Skt.          | CIRB16/20KSKF80     | 0,5/0,6                          | FT8/WA27F     | TH592          | 3            | Red                      | CIRIT16        | CIRET16         | CIRB16SG   |
| LIF16/20 Skt.       | CIRB16/20KPKF80     | 0,5/0,6                          | FT8/WA27F     | TH592          | 3            | Red                      | CIRIT16        | CIRET16         | CIRB16SG   |
| 16/18 Pin           | CIRB16/18KPKF80     | 0,75/0,93                        | FT8/WA27F     | TH592          | 4            | Blue                     | CIRIT16        | CIRET16         | -          |
| 16/18 Skt.          | CIRB16/18KSKF80     | 0,75/0,93                        | FT8/WA27F     | TH592          | 4            | Red                      | CIRIT16        | CIRET16         | CIRB16SG   |
| 16 Pin              | CIRB16KPKF80        | 0,93/1,5                         | FT8/WA27F     | TH592          | 5            | Blue                     | CIRIT16        | CIRET16         | -          |
| 16 Skt.             | CIRB16KSKF80        | 0,93/1,5                         | FT8/WA27F     | TH592          | 5            | Red                      | CIRIT16        | CIRET16         | CIRB16SG   |
| LIF 16 Skt.         | CIRB16KPKF80        | 0,93/1,5                         | FT8/WA27F     | TH592          | 5            | Red                      | CIRIT16        | CIRET16         | CIRB16SG   |
| 16/14 Pin           | CIRB16/14KPKF80     | 1,94/2,08                        | FT8/WA27F     | TH592          | 5            | Blue                     | CIRIT16        | CIRET16         | -          |
| 16/14 Skt.          | CIRB16/14KSKF80     | 1,94/2,08                        | FT8/WA27F     | TH592          | 5            | Red                      | CIRIT16        | CIRET16         | CIRB16SG   |
| 16/12 Pin           | CIRB16/12KPKF80     | 2,50/3,00                        | FT8/WA27F     | TH592          | 7            | Yellow                   | CIRIT16        | CIRET16         | -          |
| 16/12Skt.           | CIRB16/12KSKF80     | 2,50/3,00                        | FT8/WA27F     | TH592          | 7            | Yellow                   | CIRIT16        | CIRET16         | CIRB16SG   |
| 12/20 Pin           | CIRB12/20KPKF80     | 0,5/0,6                          | FT8/WA27F     | TH592          | 3            | Yellow                   | CIRIT12        | CIRET12         | -          |
| 12/20 Skt.          | CIRB12/20KSKF80     | 0,5/0,6                          | FT8/WA27F     | TH592          | 3            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |
| LIF 12/20 Skt.      | CIRB12/20KPKF80     | 0,5/0,6                          | FT8/WA27F     | TH592          | 3            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |
| 12/18 Pin           | CIRB12/18KPKF80     | 0,75/0,93                        | FT8/WA27F     | TH592          | 4            | Yellow                   | CIRIT12        | CIRET12         | -          |
| 12/18 Skt.          | CIRB12/18KSKF80     | 0,75/0,93                        | FT8/WA27F     | TH592          | 4            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |
| 12/16 Pin           | CIRB12/16KPKF80     | 0,93/1,5                         | FT8/WA27F     | TH592          | 5            | Yellow                   | CIRIT12        | CIRET12         | -          |
| 12/16 Skt.          | CIRB12/16KSKF80     | 0,93/1,5                         | FT8/WA27F     | TH592          | 5            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |
| LIF 12/16 Skt.      | CIRB12/16KPKF80     | 0,93/1,5                         | FT8/WA27F     | TH592          | 5            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |
| 12/14 Pin           | CIRB12/14KPKF80     | 1,94/2,08                        | FT8/WA27F     | TH592          | 5            | Yellow                   | CIRIT12        | CIRET12         | -          |
| 12/14 Skt.          | CIRB12/14KSKF80     | 1,94/2,08                        | FT8/WA27F     | TH592          | 5            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |
| 12 Pin              | CIRB12KPKF80        | 2,50/3,00                        | FT8/WA27F     | TH592          | 7            | Yellow                   | CIRIT12        | CIRET12         | -          |
| 12 Skt.             | CIRB12KSKF80        | 2,50/3,00                        | FT8/WA27F     | TH592          | 7            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |
| LIF 12 Skt.         | CIRB12KPKF80        | 2,50/3,00                        | FT8/WA27F     | TH592          | 7            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |
| 12/10 Pin           | CIRB12/10KPKF80     | 5,53                             | M310          | TH592          | 5            | Yellow                   | CIRIT12        | CIRET12         | -          |
| 12/10 Skt.          | CIRB12/10KSKF80     | 5,53                             | M310          | TH592          | 5            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |
| 12/40 Pin           | CIRB12/40KPKF80     | 4,0                              | M310          | TH592          | 5            | Yellow                   | CIRIT12        | CIRET12         | -          |
| 12/40 Skt.          | CIRB12/40KSKF80     | 4,0                              | M310          | TH592          | 5            | Yellow                   | CIRIT12        | CIRET12         | CIRB12SG   |

## F80 CONTACTS CRIMP & TOOLING DATA CONT.

| Contact Size & Type | Contact Part Number | Wire Size C.S.A. mm <sup>2</sup> | Tool Required | Turret/ Locator | Tool Setting | Tool Pos'n If Applicable | Insertion Tool | Extraction Tool | Guide Pins |
|---------------------|---------------------|----------------------------------|---------------|-----------------|--------------|--------------------------|----------------|-----------------|------------|
| 8/40 Pin            | CIRB8/40KPKF80      | 4,0                              | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 8/40 Skt.           | CIRB8/40KSKF80      | 4,0                              | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 8/12 Pin            | CIRB8/12KPKF80      | 2,5                              | M310          | Consult TE      | 3            | -                        | -              | -               | -          |
| 8/12 Skt.           | CIRB8/12KSKF80      | 2,5                              | M310          | Consult TE      | 3            | -                        | -              | -               | -          |
| 8/10 Pin            | CIRB8/10KPKF80      | 5,53                             | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 8/10 Skt.           | CIRB8/10KSKF80      | 5,53                             | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 8 Pin               | CIRB8KPKF80         | 9,0                              | D36           | Die Set 02541   | -            | -                        | -              | -               | -          |
| 8 Skt.              | CIRB8KSKF80         | 9,0                              | D36           | Die Set 02541   | -            | -                        | -              | -               | -          |
| 100/60 Pin          | CIRB100/60KPKF80    | 6,0                              | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 100/60 Skt.         | CIRB100/60KSKF80    | 6,0                              | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 100 Pin             | CIRB100KPKF80       | 10,0                             | D55E          | Die Set MRP0925 | -            | -                        | -              | -               | -          |
| 100 Skt.            | CIRB100KSKF80       | 10,0                             | D55E          | Die Set MRP0925 | -            | -                        | -              | -               | -          |
| 4/10 Pin            | CIRB4/10KPKF80      | 5,53                             | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 4/10 Skt.           | CIRB4/10KSKF80      | 5,53                             | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 4 Pin               | CIRB4KPKF80         | 22,0                             | D36           | Die Set         | -            | -                        | -              | -               | -          |
| 4 Skt.              | CIRB4KSKF80         | 22,0                             | D36           | Die Set         | -            | -                        | -              | -               | -          |
| 160 Pin             | CIRB160KPKF80       | 16,0                             | D55E          | Die Set MRP0924 | -            | -                        | -              | -               | -          |
| 160 Skt.            | CIRB160KSKF80       | 16,0                             | D55E          | Die Set MRP0924 | -            | -                        | -              | -               | -          |
| 0 Pin               | CIRB0KPKF80         | 53,0                             | D36           | Die Set         | -            | -                        | -              | -               | -          |
| 0 Skt.              | CIRB0KSKF80         | 53,0                             | D36           | Die Set         | -            | -                        | -              | -               | -          |
| 500/160 Pin         | CIRB500/160KPKF8    | 16,0                             | D55E          | Die Set MRP0924 | -            | -                        | -              | -               | -          |
| 500/160 Skt.        | CIRB500/160KSKF8    | 16,0                             | D55E          | Die Set MRP0924 | -            | -                        | -              | -               | -          |
| 500/250 Pin         | CIRB500/250KPKF8    | 25,0                             | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 500/250 Skt.        | CIRB500/250KSKF8    | 25,0                             | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 500/350 Pin         | CIRB500/350KPKF8    | 35,0                             | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 500/350 Skt.        | CIRB500/350KSKF8    | 35,0                             | D55E          | Die Set         | -            | -                        | -              | -               | -          |
| 500 Pin             | CIRB500KPKF80       | 50,0                             | D55E          | Die Set MRP0925 | -            | -                        | -              | -               | -          |
| 500 Skt.            | CIRB500KSKF80       | 50,0                             | D55E          | Die Set MRP0925 | -            | -                        | -              | -               | -          |

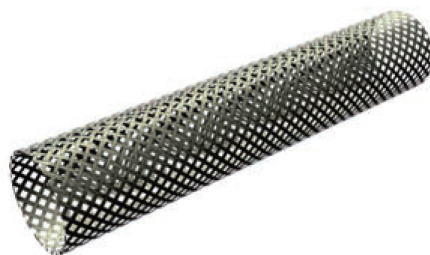
## F80 COAX & TWINAX CONTACTS CRIMP & TOOLING DATA

| Contact Size & Type | Contact Part Number | Wire Size C.S.A. mm <sup>2</sup> | Contact Section | Tool Required | Turret/Locator | Tool Setting | Tool Position If Applicable |
|---------------------|---------------------|----------------------------------|-----------------|---------------|----------------|--------------|-----------------------------|
| 4 Coax Pin          | CIRB4CKPKF80P1001   | 0.5                              | Inner           | FT8           | TH619          | 4            | Red                         |
|                     |                     |                                  | Screen          | D55E/D51      | 31038          | -            | -                           |
| 4 Coax Skt          | CIRB4CKSKF80P1001   | 0.5                              | Inner           | FT8           | TH619          | 4            | Blue                        |
|                     |                     |                                  | Screen          | D55E/D51      | 31038          | -            | -                           |
| 4 Coax Pin          | CIRB4CKPKF80P1002   | 1.0                              | Inner           | FT8           | TH619          | 4            | Red                         |
|                     |                     |                                  | Screen          | D55E/D51      | HD51-150       | -            | -                           |
| 4 Coax Skt.         | CIRB4CKSKF80P1002   | 1.0                              | Inner           | FT8           | TH619          | 4            | Blue                        |
|                     |                     |                                  | Screen          | D55E/D51      | HD51-150       | -            | -                           |
| 4 Twinax Pin        | CIRB4TKPKF80P1      | 0.5/0.6                          | Inner           | FT8           | TH608          | 4            | Red                         |
|                     |                     |                                  | Intermediate    | HX4           | Y946           | -            | -                           |
|                     |                     |                                  | Screen          | D55E/D51      | HD51-150       | -            | -                           |
| 4 Twinax Skt        | CIRB4TKSKF80P1      | 0.5/0.6                          | Inner           | FT8           | TH608          | 4            | Blue                        |
|                     |                     |                                  | Intermediate    | HX4           | Y946           | -            | -                           |
|                     |                     |                                  | Screen          | D55E/D51      | HD51-150       | -            | -                           |
| 4 Twinax Pin        | CIRB4TKPKF80P1001   | 0.75/1.0                         | Inner           | FT8           | TH608          | 4            | Red                         |
|                     |                     |                                  | Intermediate    | HX4           | Y946           | -            | -                           |
|                     |                     |                                  | Screen          | D55E/D51      | HD51-150       | -            | -                           |
| 4 Twinax Skt.       | CIRB4TKSKF80P1001   | 0.75/1.0                         | Inner           | FT8           | TH608          | 4            | Blue                        |
|                     |                     |                                  | Intermediate    | HX4           | Y946           | -            | -                           |
|                     |                     |                                  | Screen          | D55E/D51      | HD51-150       | -            | -                           |

| Tool Number | Supplier |
|-------------|----------|
| FT8         | DMC      |
| WA27F       | DMC      |
| TH592       | DMC      |
| HT250-3     | DMC      |
| 67-012-01   | DMC      |
| 67-016-01   | DMC      |
| 68-012-01   | DMC      |
| 68-016-01   | DMC      |
| D51         | Dubuis   |
| D55E        | Dubuis   |

## RFI Braid Sock

| TE Connectors<br>Part Number | Diameter | Length | Max<br>Shell Size |
|------------------------------|----------|--------|-------------------|
| CIRBMBS035015                | ø 20 mm  | 100 mm | 22                |
| CIRBMBS050015                | ø 25 mm  | 150 mm | 22                |
| CIRBMBS020010                | ø 35 mm  | 150 mm | 32                |
| CIRBMBS025015                | ø 50 mm  | 150 mm | 36 & 40           |



## Bandit Strap

| TE Connectors<br>Part Number | Length | Width  | Max<br>Shell Size |
|------------------------------|--------|--------|-------------------|
| CIRB600052                   | 520 mm | 6.1 mm | 32                |
| CIRB600090                   | 900 mm | 6.1 mm | 36 & 40           |
| CIRB608109                   | 362 mm | 4 mm   | 22                |
| CIRB600057                   | 07 mm  | 3 mm   | 22                |

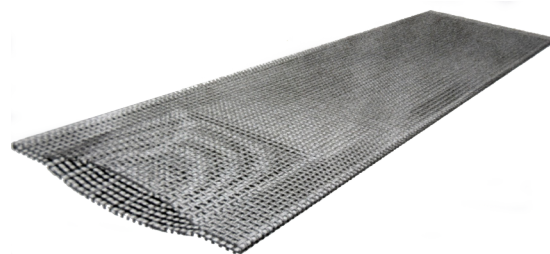


## Bandit Tools

| TE Connectors<br>Part Number | Tool Description                    |
|------------------------------|-------------------------------------|
| CIRB600058                   | Standard Bandit Tool                |
| CIRB600061                   | Micro Bandit Tool (3mm Band Straps) |
| CIRB601200                   | Calibration Kit                     |

## Knitmesh Braid

| TE Connectors<br>Part Number | Length | Width |
|------------------------------|--------|-------|
| CIRBMKM1050                  | 500 mm | 25 mm |



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