

COMPAERO

CIRCULAR BACKSHELL RANGE



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ADAPT TO ANY ENVIRONMENT...

Compaero manufacture and supply an extensive range of connector adapters to suit harsh environments across land, sea and air. Available solutions can provide both environmental and non-environmental sealing capabilities, effective EMI and RFI shielding and impressive strain relief options for almost any application.

Standard range adapters can be customized from a huge selection of options to ensure that your Compaero product is fully fit for purpose, whilst our team of experienced design engineers are on hand to work with you to provide bespoke solutions for more specific needs.



EMI/RFI SHRINK BOOT ADAPTERS
Example Shown: Series 46

Shrink boot adapters provide an economical approach to terminating overall cable and harness shields while accepting a lipped shrink boot.



ENVIRONMENTAL ADAPTERS
Example Shown: Series 60

Environmental adapters protect the wiring side of the connector from dust, dirt, moisture and fluids.

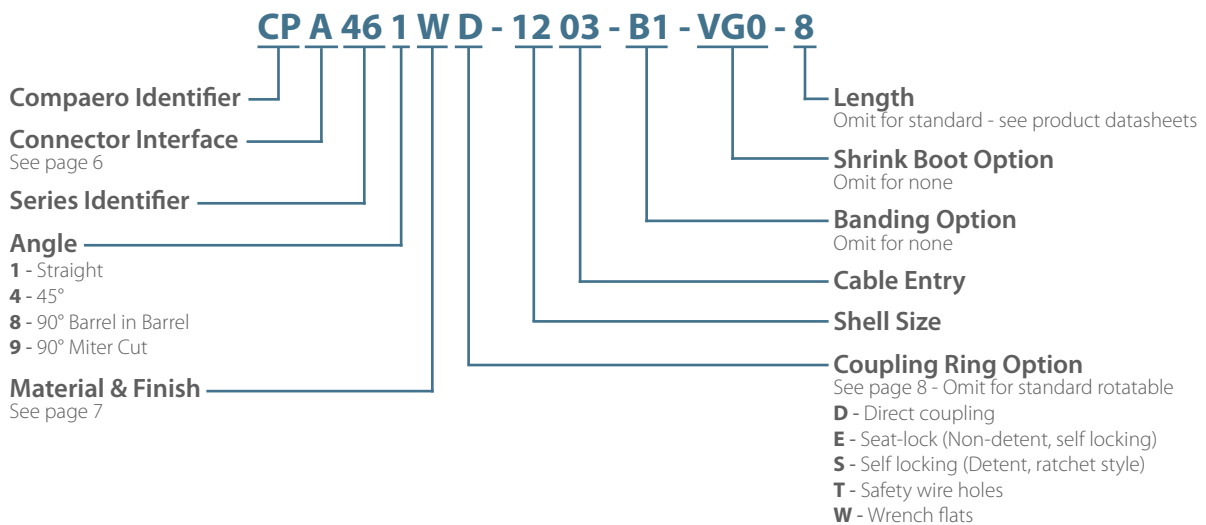


EMI/RFI ENVIRONMENTAL ADAPTERS
Example Shown: Series 80

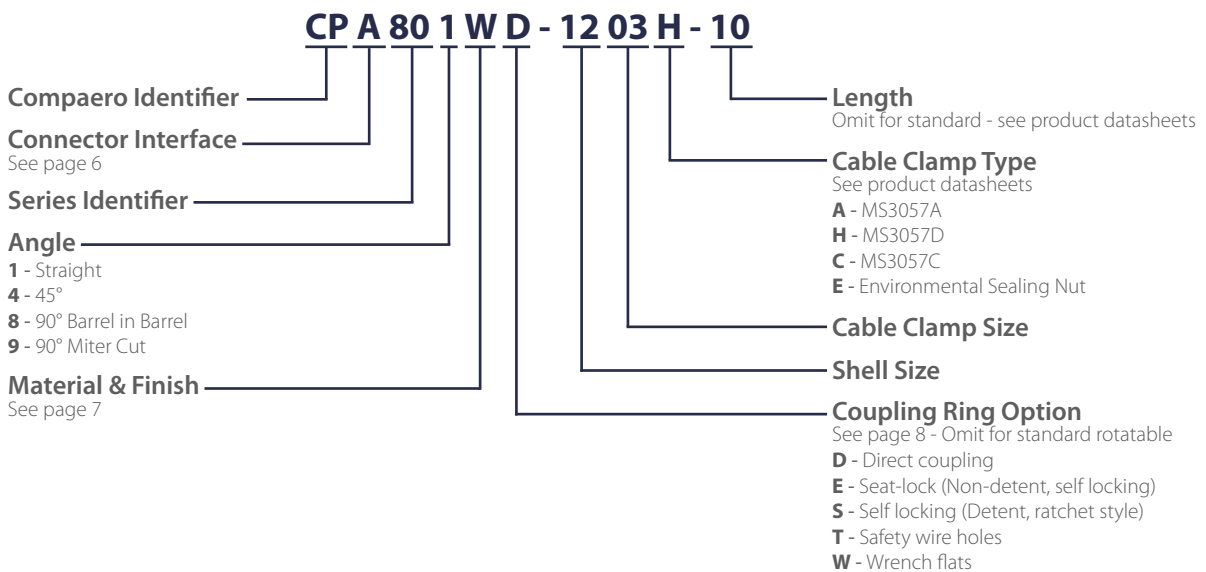
EMI/RFI environmental adapters enclose the cable in a tightly woven metal braid comprised of wire strands, creating an effective shield which helps to prevent EMI/RFI interference.

Our part numbering system offers a straight forward and simple way to build up your perfect termination solution. Use this catalog to guide you through - interface to cable entry.

STANDARD CIRCULAR ADAPTER PART NUMBERING



CIRCULAR BACKSHELL WITH CABLE CLAMPS PART NUMBERING



Compaero employs traceable methods when sourcing and using material. All manufacturer certifications are kept on file and are available upon request. For more information please contact the Compaero Sales Team.

| COMPONENT | MATERIAL |
|--------------------------|---|
| Barrels | Aluminum 6061 or 300 Series Stainless Steel |
| Barrel Castings | Aluminum Alloy A380 |
| Braid / Shield | Tinned Copper per QQB-575 |
| Clamp Bodies | Aluminum Alloy A380, Aluminum 6061 or 300 Series Stainless Steel |
| Clamp Grommets, Bushings | Neoprene, Silicone or Fluorosilicone |
| Clamp Saddles | Aluminum Alloy A380, Aluminum 6061 or 300 Series Stainless Steel |
| Clamp Hardware | 300 Series Stainless Steel |
| Coupling Rings | Aluminum 6061 or 300 Series Stainless Steel |
| E-Nuts | Aluminum 6061 or 300 Series Stainless Steel |
| Ferrules | Aluminum 6061 or 300 Series Stainless Steel |
| Followers | Aluminum 6061 or 300 Series Stainless Steel |
| O-Rings | Silicone (Red)* Fluorosilicone (Blue)* |
| Retaining Rings | 300 Series Stainless Steel |
| Self Locking Clips | Non Corrosive Material |

* Fluorosilicone is standard for H interface (as shown in this catalogue), all other interfaces will use silicone

Compaero offer termination solutions for virtually all known connector interfaces, the variants highlighted below are our standard lines, available on all product lines shown in this catalog.

To discuss connector interface options not shown, please contact your local sales representative, or visit www.compaero.com

| CONNECTOR INTERFACE | INTERFACE CODE |
|---|----------------|
| EN2997, ESC10, ESC11 | A |
| EN3645 | H |
| MIL-DTL-26482 SERIES I SOLDER MS3110, MS3116 WITHOUT ACCESSORY TEETH | DK |
| MIL-DTL-26482 SERIES II MS3470, MS3471, MS3472, MS3474, MS3475, MS3476 | A |
| MIL-DTL-38999 SERIES I & II MS27466 - 68, MS27472 - 74, MS27479 - 81, MS27484, MS27497, MS27652, MS27653, M27656 | F |
| MIL-DTL-38999 SERIES III & IV D38999/20, /24, /26, /40, /46, /47 | H |
| MIL-DTL-5015 SOLDER M3100, MS3101, MS3106, Amphenol - Class A (Blue Insert) | BA* |
| MIL-DTL-5015 SOLDER M3100, MS3101, MS3106, Bendix - Class A, E & R | BB* |
| MIL-DTL-5015 SOLDER M3100, MS3101, MS3106, Cannon - Class A, E & R | BC* |
| MIL-DTL-5015 SOLDER M3100, MS3101, MS3106, Amphenol - Class R (Resilient Insert) | BR* |
| MIL-DTL-5015 CRIMP MS3400, MS3401, MS3404, MS3406, MS3450, MS3451, MS3454, MS3456 | A |
| MIL-DTL-83723 SERIES I & III M83723 /1 - /8, /13, /14, /36 - /43, /48, /49, /65 - /78, /82 - /87, /91, /92, /95, /97, /98 | A |
| BS9522 F0017 PATT 105 AMPHENOL 62GB | VA |
| VG95234 / BS9522 F0032 PATT 121B ABCIR RANGE | VB |

* See page 39 for interface data

All Compaero backshells are available in a wide selection of material and plating combinations, from heavy duty marine applications to lightweight aerospace solutions, there is an option for almost any situation.

| CODE | MIL SPEC CODE | MATERIAL | PLATING | PROCESS | ROHS COMPLIANT |
|------|---------------|-----------------|--------------------------|--|----------------|
| B | | Marine Bronze | Shotblast, Nonreflective | 1000 Hour Salt Spray, Conductive -65 to +200°C | Yes |
| C | A | Aluminum | Anodize, Black | AMS-A-8625 Type II Class 2, 336 Hour Salt Spray, Non-Conductive -65 to +175°C | Yes |
| F | N, F | Aluminum | Electroless Nickel | AMS-C-26074 Class 4 Grade B; ASTM-B-733, SC 2, Type IV, 48 Hour Salt Spray, Conductive -65 to +200°C | Yes |
| G | | Aluminum | Anodize, Hardcoat, Black | AMS-A-8625 Type III, Class 2, .001" thick, 336 Hour Salt Spray, Non-Conductive -65 to +200°C | Yes |
| KB | B | Stainless Steel | Cadmium, Black | SAE-AMS-QQ-P-416 Type II Class 3 1000 Hour Salt Spray, Conductive -65 to +175°C | No |
| K | S | Stainless Steel | Passivate | SAE-AMS-SAE-AMS-QQ-P-35 Type VI 1000 Hour Salt Spray, Conductive -65 to +200°C | Yes |
| KL | | Stainless Steel | Electrodeposited Nickel | SAE-AMS-QQ-N-290 Class 1 Grade F 1000 Hour Salt Spray, Conductive -65 to +200°C | Yes |
| TR | | Aluminum | Zinc-Nickel, Black | ASTM B841 Grade 5 over electroless nickel 500 Hour Salt Spray, Conductive -65 to +175°C | Yes |
| T | | Aluminum | Zinc-Nickel, Black | ASTM B841 Grade 5 over electroless nickel 1000 Hour Salt Spray, Conductive -65 to +175°C | No |
| W | W | Aluminum | Cadmium, Olive Drab | SAE-AMS-QQ-P-416 Type II Class 2 over electroless nickel 1000 Hour Salt Spray, Conductive -65 to +175°C | No |
| X | | Aluminum | Unplated | | Yes |
| Y | | Aluminum | Zinc-Cobalt, Olive Drab | ASTM B 840 Grade 6 Type D over electroless nickel, 350 Hour Salt Spray, Conductive -65 to +175°C | Yes |
| ZN | | Aluminum | Zinc-Nickel, Olive Drab | ASTM B841 Grade 5 over electroless nickel 1000 Hour Salt Spray, Conductive -65 to +175°C | No |
| Z | | Aluminum | Zinc-Cobalt, Black | ASTM B 840 Grade 6 Type D over electroless nickel 350 Hour Salt Spray, Conductive -65 to +175°C | Yes |

For the full list of available options, please consult www.compaero.com
Please note that the colours shown above are for illustrative purposes only - actual finish colour may vary.

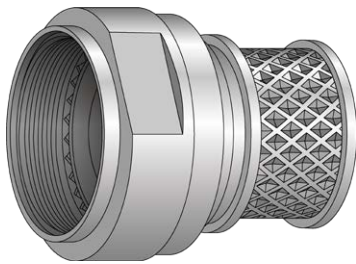
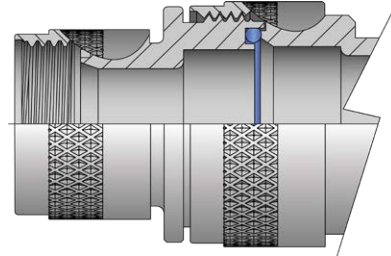
Type 2 Coupling Rings

When the selected cable entry exceeds the **MAX ENTRY** stated in the **INTERFACE TABLE**, you may choose to have a type 2 assembly. The two-piece assembly allows a large cable diameter to be maintained as close to the connector body as possible, allowing maximum continuation of screens and wire protection, whilst also providing an access point close to the connector.

To specify a type 2 assembly, place modification code -079 at the end of the part number when ordering.

Modification Code Example: CPA461W-1410-VG0-079

To receive a standard one-piece adapter, no modification code is needed.



Wrench Flat Coupling Rings OPTION W

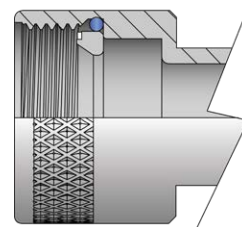
Wrench flats are an available option on most Compaero adapters and backshells, allowing for an easier way of tightening the coupling ring when working with reduced accessibility.

Direct Coupling Rings OPTION D

Available on straight adapters only.

Seat-Lock Coupling Rings, Non-Detent Self-Locking OPTION E

Using a spring loaded retaining ring, Compaero Seat-Lock coupling rings are a non detent way to achieve self locking. This option ensures that the accessory teeth of the connector mate properly with the teeth on the adapter or backshell by applying constant force between the two. The Compaero Seat-Lock option is an excellent choice if an easy, economical self locking solution is required.



Self-Locking Coupling Rings, Detent OPTION S

Detent style self locking features a ratcheting coupling ring using non corrosive clips located within the coupling ring. Many AS85049 specifications specify this detent style self locking coupling ring making this one of the most popular ways of achieving a self locking adapter or backshell.

Safety Wire Holes OPTION T

Safety wire holes can be specified on standard rotatable coupling rings for use with safety wire after installation. Safety wire ensures the coupling ring will not un-couple during shock and/or vibration. These are common on AS85049 accessories. When this option is specified the coupling ring will have 3 equally spaced wire holes (120 degrees apart), sufficient to accommodate 0.020 inch wire.

The above coupling ring options are available on most Compaero backshells and adapters. Please contact the sales team for more information.

The below figures are provided to support operators already trained in the installation of heat shrinkable products and harnessing components. They identify the recommended torque values to be used when installing adapters onto circular electrical connectors, to consistently tighten adapters in a controlled manner.

For any questions or further instructions please contact us and we will be happy to assist you.

Connector Accessories onto Connector Threads

| SHELL SIZE | MIL-DTL-26500 MIL-DTL-81511 MIL-DTL-26482 S1 MIL-DTL-38999 S1/S2 MIL-DTL 5015 Solder | | MIL-DTL-26482 S2 MIL-DTL-28840 MIL-DTL-83723 MIL-DTL-22992 MIL-DTL-5015 Crimp MIL-DTL-38999 S3/S4 | |
|------------|--|-------------|--|-------------|
| | in - lb | Nm | in - lb | Nm |
| 08/09 | 30 - 40 | 3.4 - 4.5 | 51 - 61 | 5.8 - 6.9 |
| 10/11 | 30 - 40 | 3.4 - 4.5 | 71 - 81 | 8.0 - 9.2 |
| 12/13 | 35 - 45 | 4.0 - 5.1 | 103 - 113 | 11.6 - 12.8 |
| 14/15 | 35 - 45 | 4.0 - 5.1 | 111 - 121 | 12.5 - 13.7 |
| 16/17 | 35 - 45 | 4.0 - 5.1 | 111 - 121 | 12.5 - 13.7 |
| 18/19 | 35 - 45 | 4.0 - 5.1 | 111 - 121 | 12.5 - 13.7 |
| 20/21 | 75 - 85 | 8.5 - 9.6 | 131 - 141 | 14.8 - 15.9 |
| 22/23 | 75 - 85 | 8.5 - 9.6 | 131 - 141 | 14.8 - 15.9 |
| 24/25 | 75 - 85 | 8.5 - 9.6 | 131 - 141 | 14.8 - 15.9 |
| 28 | 115 - 125 | 13.0 - 14.1 | 143 - 153 | 16.2 - 17.3 |
| 32 | 115 - 125 | 13.0 - 14.1 | 143 - 153 | 16.2 - 17.3 |
| 36 | 115 - 125 | 13.0 - 14.1 | 143 - 153 | 16.2 - 17.3 |
| 40 | 155 - 165 | 17.5 - 18.6 | 159 - 169 | 18.0 - 19.1 |
| 44 | 155 - 165 | 17.5 - 18.6 | 159 - 169 | 18.0 - 19.1 |
| 48 | 155 - 165 | 17.5 - 18.6 | 159 - 169 | 18.0 - 19.1 |

Cable Clamps onto Backshells

| CLAMP-SIZE | TORQUE VALUES | |
|------------|---------------|------------|
| | in - lb | Nm |
| 01 | 35 - 40 | 4.0 - 4.5 |
| 02 | 35 - 40 | 4.0 - 4.5 |
| 03 | 35 - 55 | 4.0 - 6.2 |
| 04 | 35 - 55 | 4.0 - 6.2 |
| 05 | 35 - 55 | 4.0 - 6.2 |
| 06 | 40 - 60 | 4.5 - 6.8 |
| 07 | 40 - 60 | 4.5 - 6.8 |
| 08 | 40 - 60 | 4.5 - 6.8 |
| 09 | 80 - 100 | 9.0 - 11.3 |
| 10 | 80 - 100 | 9.0 - 11.3 |
| 11 | 80 - 100 | 9.0 - 11.3 |
| 12 | 80 - 100 | 9.0 - 11.3 |

Cable Clamp Hardware

| THREAD-SIZE | TORQUE VALUES | |
|-------------|---------------|-----------|
| | in - lb | Nm |
| 2-56 | 1.5 - 2.5 | 0.2 - 0.3 |
| 4-40 | 3.5 - 4.5 | 0.4 - 0.5 |
| 6-32 | 5.0 - 7.0 | 0.6 - 0.8 |
| 8-32 | 7.0 - 9.0 | 0.8 - 1.0 |
| 10-32 | 9.0 - 11.0 | 1.0 - 1.2 |
| 1/4-20 | 11.0 - 13.0 | 1.2 - 1.5 |

| Series | Termination Style | Screening Options | | | | | Strain Relief & Cable Sealing | | | Required Components | |
|--|-----------------------------|---------------------------|------------------------------|---------------------------|------------------------------|------------|-------------------------------|-------------------------|---------------------|---------------------|-------------|
| | | Outer (Overall) Screening | Inner (Individual) Screening | Inner and Outer Screening | Tool Free Screen Termination | Reworkable | Cable Clamp | Heat Shrink Boot Option | Compression Grommet | Boot | Band/Spring |
| SERIES 30 <small>Page 12</small> | Heat Shrink Boot | N/A | N/A | N/A | N/A | ■ | | ■ | | ■ | |
| SERIES 31 <small>Page 14</small> | Lamp Base Thread | ■ | ■ | | ■ | ■ | ■ | ■ | | | |
| SERIES 35 <small>Page 16</small> | Shield Sock | ■ | ■ | | ■ | ■ | | ■ | | ■ | |
| SERIES 43 | Cable Sealing Band In A Can | ■ | | | * | | ■ | | ■ | | ■ |
| SERIES 45 | Band/Spring | ■ | | | * | ■ | | ■ | | ■ | ■ |
| SERIES 46 <small>Page 18</small> | Band/Spring | ■ | | | * | ■ | | ■ | | ■ | ■ |
| SERIES 48 <small>Page 20</small> | Band/Spring | ■ | ■ | | * | ■ | | ■ | | ■ | ■ |
| SERIES 49 <small>Page 22</small> | Memory Ring | ■ | | | | | | ■ | | ■ | |
| SERIES 60 <small>Page 26</small> | Cable Clamp, Environmental | N/A | N/A | N/A | N/A | ■ | ■ | | ■ | | |
| SERIES 61 <small>Page 28</small> | Cable Clamp, Environmental | N/A | N/A | N/A | N/A | ■ | ■ | | ■ | | |
| SERIES 62 | Cable Clamp, Splash-Proof | N/A | N/A | N/A | N/A | ■ | ■ | | ■ | | |
| SERIES 80 <small>Page 32</small> | Cone Clamp, Environmental | ■ | | | ■ | ■ | ■ | | ■ | | |
| SERIES 81 <small>Page 34</small> | Cone Clamp, Environmental | ■ | | | ■ | ■ | ■ | | ■ | | |
| SERIES 82 | Cone Clamp, Environmental | | ■ | | ■ | ■ | ■ | | ■ | | |
| SERIES 83 | Cone Clamp, Environmental | ■ | | | ■ | ■ | ■ | | ■ | | |
| SERIES 84 | Cone Clamp, Environmental | ■ | | | ■ | ■ | ■ | | ■ | | |

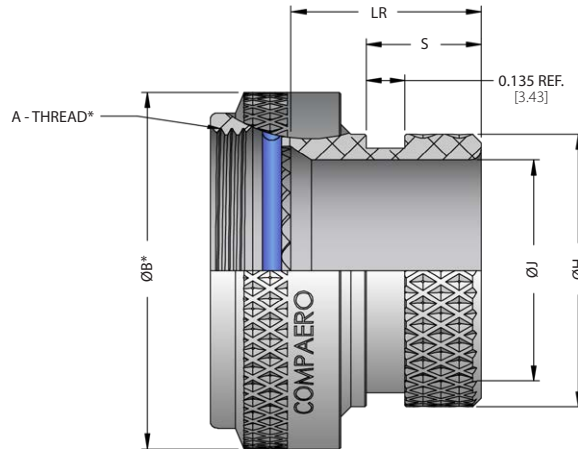
ENVIRONMENTAL

* Tool free with constant force spring termination

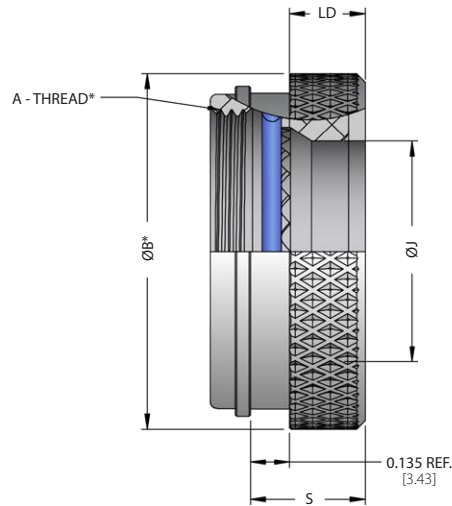
Series highlighted in **yellow** are the standard series included in this catalog. For further information on the other ranges, please consult www.compaero.com or contact the sales team.

| | Series | Termination Style | Screening Options | | | | | Strain Relief & Cable Sealing | | | Required Components | |
|-------------------|-------------------------------------|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------|-------------------------------------|---------------------|-------------------------------------|
| | | | Outer (Overall) Screening | Inner (Individual) Screening | Inner and Outer Screening | Tool Free Screen Termination | Reworkable | Cable Clamp | Heat Shrink Boot Option | Compression Grommet | Boot | Band/Spring |
| ENVIRONMENTAL | SERIES 85 | Cone Clamp, Splash-Proof | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |
| | SERIES 86 | Cone Clamp, Environmental | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |
| | SERIES 87 | Cone Clamp, Environmental | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |
| | SERIES 88 | Cone Clamp, Environmental | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |
| | SERIES 89 | Cone Clamp, Environmental | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | |
| NON-ENVIRONMENTAL | SERIES 40 | Band/Spring | <input checked="" type="checkbox"/> | | | * | | | | | | <input checked="" type="checkbox"/> |
| | SERIES 55 <small>Page 24</small> | Cable Clamp, Non-Environmental | N/A | N/A | N/A | N/A | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | SERIES 70 <small>Page 30</small> | Cone Clamp, Non-Environmental | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | SERIES 71 | Cone Clamp, Non-Environmental | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | SERIES 72 | Cone Clamp, Non-Environmental | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | SERIES 73 | Cone Clamp, Non-Environmental | | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | SERIES 74 | Cone Clamp, Non-Environmental | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | SERIES 75 | Cone Clamp, Non-Environmental | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | SERIES 76 | Cone Clamp, Non-Environmental | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | SERIES 77 | Cone Clamp, Non-Environmental | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |

Angle 1 - Straight Rotatable Coupling



Angle 1 - Straight Direct Coupling



CP A 30 1 W D - 12 - VG0

- Compaero Identifier**
- Connector Interface**
See page 6 for details
- Series Identifier**
- Angle**
- Material & Finish**
See page 7 for details

- Shrink Boot Option**
Omit for no boot - See website for details
- Shell Size**
See table 1
- Coupling Ring Option**
Omit for standard rotatable
- D** - Direct coupling
- E** - Seat-lock (Non-detent, self locking)
- S** - Self locking (Detent, ratchet style)
- T** - Safety wire holes
- W** - Wrench flats
See page 8 for more details

*Refer to fold out interface tables
inches [millimeters]

SERIES 30

Shrink Boot Adapter Environmental, Non-Screened

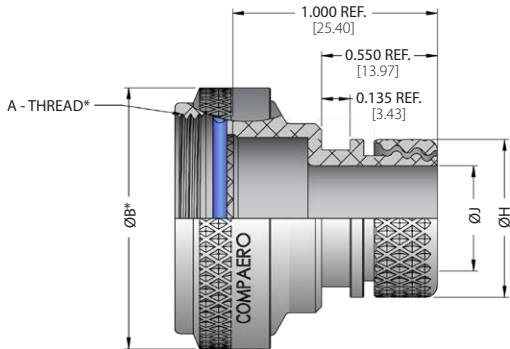


Table 1 Shell Size

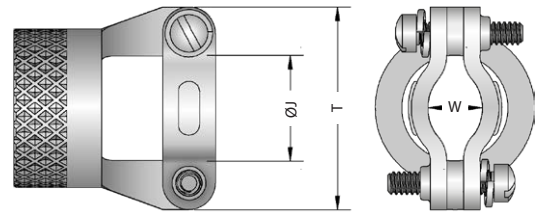
| SHELL SIZE | ØJ MIN | | ØH MAX | | S REF | | LR MAX | | LD MAX | |
|------------|--------|------|--------|------|-------|------|--------|------|--------|------|
| | in | mm | in | mm | in | mm | in | mm | in | mm |
| 08/09 | 0.250 | 6.4 | 0.53 | 13.5 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 10/11 | 0.375 | 9.5 | 0.61 | 15.4 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 12/13 | 0.375 | 9.5 | 0.77 | 19.7 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 14/15 | 0.438 | 11.1 | 0.84 | 21.3 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 16/17 | 0.563 | 14.3 | 0.96 | 24.5 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 18/19 | 0.625 | 15.9 | 1.04 | 26.5 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 20/21 | 0.750 | 19.1 | 1.22 | 30.9 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 22/23 | 0.875 | 22.2 | 1.36 | 34.4 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 24/25 | 1.000 | 25.4 | 1.44 | 36.7 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 28/29 | 1.188 | 30.2 | 1.63 | 41.3 | 0.41 | 10.3 | 0.85 | 21.6 | 0.50 | 12.8 |
| 32/33 | 1.438 | 36.5 | 1.88 | 47.6 | 0.56 | 14.3 | 1.01 | 25.8 | 0.66 | 16.7 |
| 36 | 1.625 | 41.3 | 2.06 | 52.4 | 0.56 | 14.3 | 1.01 | 25.8 | 0.66 | 16.7 |
| 40 | 1.875 | 47.6 | 2.31 | 58.7 | 0.56 | 14.3 | 1.01 | 25.8 | 0.66 | 16.7 |
| 44 | 2.313 | 58.7 | 2.56 | 65.1 | 0.56 | 14.3 | 1.01 | 25.8 | 0.66 | 16.7 |
| 48 | 2.563 | 65.1 | 2.81 | 71.4 | 0.56 | 14.3 | 1.01 | 25.8 | 0.66 | 16.7 |
| 61 | 1.188 | 30.2 | 1.44 | 36.5 | 0.56 | 14.3 | 1.01 | 25.8 | 0.66 | 16.7 |

inches millimeters
Tolerance ±0.01±0.25

Angle 1 - Straight Rotatable Coupling

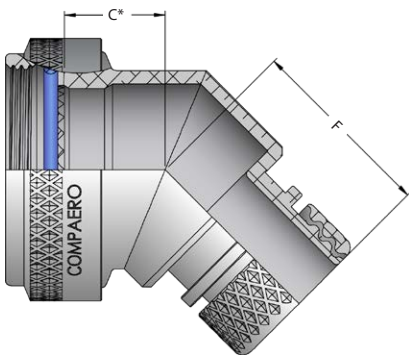


Clamp Option - SR Clamp

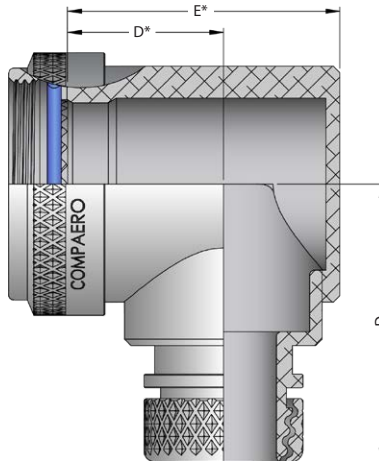


Only available on entry sizes 31-10

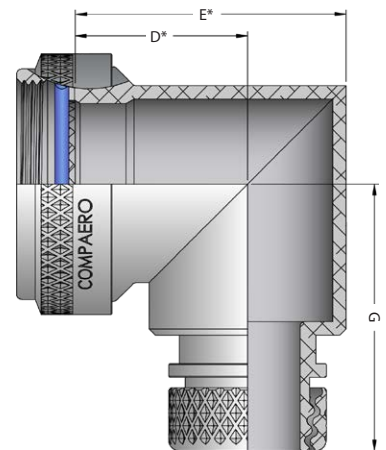
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 90 Degree Miter Cut



CPA 31 1 W D - 12 03 - VG0 - SR

Compaero Identifier

Connector Interface
See page 6 for details

Series Identifier

Angle

Material & Finish
See page 7 for details

Coupling Ring Option
Omit for standard rotatable

D - Direct coupling

E - Seat-lock (Non-detent, self locking)

S - Self locking (Detent, ratchet style)

T - Safety wire holes

W - Wrench flats

See page 8 for details

Strain Relief Option

Omit for standard E-Nut

Use SR for clamp style

Shrink Boot Option

Omit for no boot - See website for details

Cable Entry

See table 2

Shell Size

See table 1

*Refer to fold out interface tables
inches [millimeters]

SERIES 31

EMI/RFI Lamp Base Thread Environmental, Screened



Table 1 Shell Size

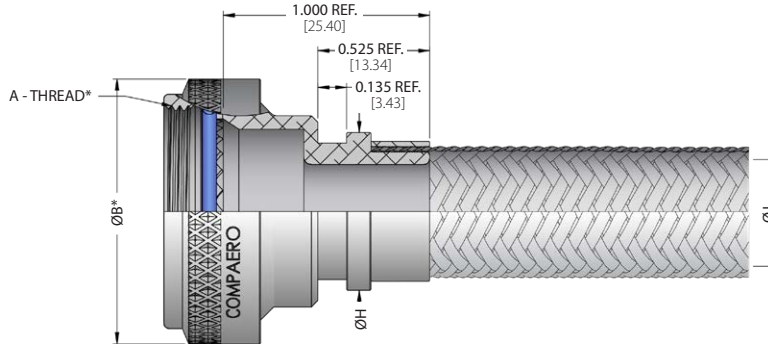
| SHELL SIZE | F MAX | G MAX |
|------------|-----------|-----------|
| | in mm | in mm |
| 08/09 | 0.83 21.1 | 1.10 27.9 |
| 10/11 | 0.86 21.8 | 1.17 29.7 |
| 12/13 | 0.88 22.4 | 1.23 31.2 |
| 14/15 | 0.91 23.1 | 1.29 32.8 |
| 16/17 | 0.93 23.6 | 1.35 34.3 |
| 18/19 | 0.95 24.1 | 1.38 35.1 |
| 20/21 | 0.97 24.6 | 1.45 36.8 |
| 22/23 | 1.00 25.4 | 1.51 38.4 |
| 24/25 | 1.02 25.9 | 1.57 39.9 |
| 28/29 | 1.05 26.7 | 1.63 41.4 |
| 32/33 | 1.10 27.9 | 1.76 44.7 |
| 36 | 1.14 29.0 | 1.85 47.0 |
| 40 | 1.19 30.2 | 1.98 50.3 |
| 44 | 1.24 31.5 | 2.10 53.3 |
| 48 | 1.30 33.0 | 2.23 56.6 |
| 61 | 1.01 25.7 | 1.54 39.1 |

Table 2 Entry Size

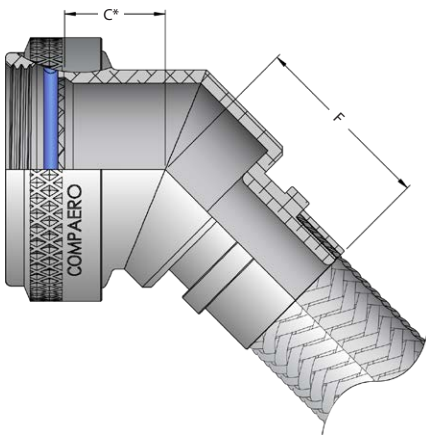
| ENTRY SIZE | ØH MAX | ØJ | T MAX | W REF |
|------------|-----------|------------|-----------|-----------|
| | in mm | in mm | in mm | in mm |
| 01 | 0.40 10.0 | 0.125 3.2 | n/a | n/a |
| 31 | 0.46 11.6 | 0.188 4.8 | 0.68 17.3 | 0.12 3.0 |
| 02 | 0.52 13.2 | 0.250 6.4 | 0.74 18.9 | 0.13 3.4 |
| 32 | 0.58 14.8 | 0.313 7.9 | 0.81 20.5 | 0.20 5.0 |
| 03 | 0.65 16.4 | 0.375 9.5 | 0.87 22.1 | 0.22 5.5 |
| 33 | 0.71 18.0 | 0.438 11.1 | 0.93 23.6 | 0.24 6.0 |
| 04 | 0.77 19.6 | 0.500 12.7 | 0.99 25.1 | 0.26 6.5 |
| 34 | 0.83 21.1 | 0.563 14.3 | 1.06 26.8 | 0.38 9.7 |
| 05 | 0.90 22.7 | 0.625 15.9 | 1.12 28.4 | 0.41 10.4 |
| 35 | 0.96 24.3 | 0.688 17.5 | 1.19 30.1 | 0.45 11.5 |
| 06 | 1.02 25.9 | 0.750 19.1 | 1.24 31.6 | 0.45 11.4 |
| 36 | 1.08 27.5 | 0.813 20.6 | 1.30 33.1 | 0.55 14.0 |
| 07 | 1.15 29.1 | 0.875 22.2 | 1.37 34.8 | 0.61 15.4 |
| 37 | 1.21 30.7 | 0.938 23.8 | 1.44 36.5 | 0.66 16.8 |
| 08 | 1.27 32.3 | 1.000 25.4 | 1.49 37.9 | 0.68 17.3 |
| 38 | 1.33 33.8 | 1.063 27.0 | 1.56 39.5 | 0.74 18.8 |
| 09 | 1.40 35.4 | 1.125 28.6 | 1.62 41.1 | 0.77 19.5 |
| 10 | 1.52 38.6 | 1.250 31.8 | 1.74 44.3 | 0.92 23.4 |
| 11 | 1.65 41.8 | 1.375 34.9 | n/a | n/a |
| 12 | 1.77 45.0 | 1.500 38.1 | n/a | n/a |
| 13 | 1.90 48.1 | 1.625 41.3 | n/a | n/a |
| 14 | 2.02 51.3 | 1.750 44.5 | n/a | n/a |
| 15 | 2.15 54.5 | 1.875 47.6 | n/a | n/a |
| 16 | 2.27 57.7 | 2.000 50.8 | n/a | n/a |

inches millimeters
Tolerance ±0.01±0.25

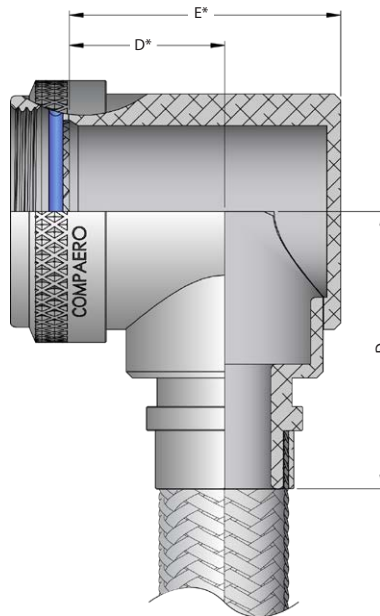
Angle 1 - Straight Rotatable Coupling



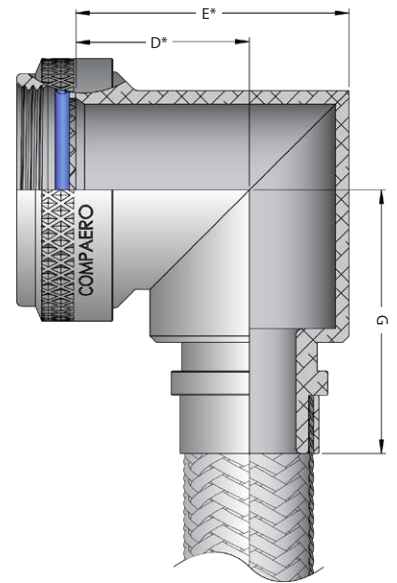
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 90 Degree Miter Cut



CP A 35 1 W D - 12 03 - VG0 - 6

Compaero Identifier

Connector Interface
See page 6 for details

Series Identifier

Angle

Material & Finish
See page 7 for details

Coupling Ring Option
Omit for standard rotatable

- D** - Direct coupling
 - E** - Seat-lock (Non-detent, self locking)
 - S** - Self locking (Detent, ratchet style)
 - T** - Safety wire holes
 - W** - Wrench flats
- See page 8 for details

Shield Length

Supplied in 1 Inch increments
-6 (6") as standard

Shrink Boot Option

Omit for no boot - See website for details

Cable Entry

See table 2

Shell Size

See table 1

*Refer to fold out interface tables
inches [millimeters]

SERIES 35

Shield Sock Shrink Boot Adapter Environmental, Screened



Table 1 Shell Size

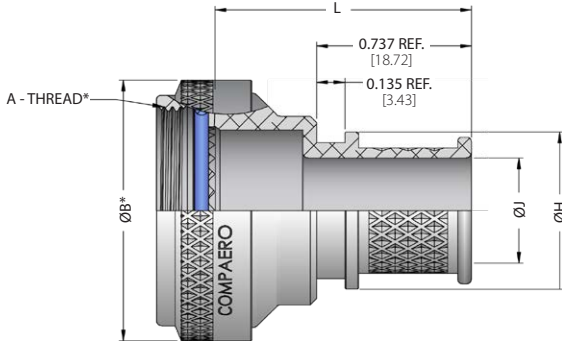
| SHELL SIZE | F MAX | G MAX |
|------------|-----------|-----------|
| | in mm | in mm |
| 08/09 | 0.81 20.6 | 1.10 27.9 |
| 10/11 | 0.83 21.1 | 1.17 29.7 |
| 12/13 | 0.86 21.8 | 1.23 31.2 |
| 14/15 | 0.88 22.4 | 1.29 32.8 |
| 16/17 | 0.91 23.1 | 1.35 34.3 |
| 18/19 | 0.92 23.4 | 1.38 35.1 |
| 20/21 | 0.95 24.1 | 1.45 36.8 |
| 22/23 | 0.97 24.6 | 1.51 38.4 |
| 24/25 | 1.00 25.4 | 1.57 39.9 |
| 28/29 | 1.03 26.2 | 1.63 41.4 |
| 32/33 | 1.08 27.4 | 1.76 44.7 |
| 36 | 1.12 28.4 | 1.85 47.0 |
| 40 | 1.17 29.7 | 1.98 50.3 |
| 44 | 1.22 31.0 | 2.10 53.3 |
| 48 | 1.27 32.3 | 2.23 56.6 |
| 61 | 0.99 25.1 | 1.54 39.1 |

Table 2 Entry Size

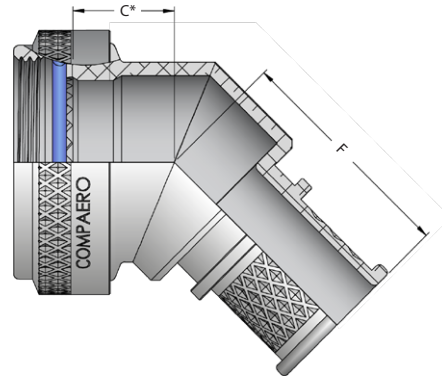
| ENTRY | ØH MAX | ØJ |
|-------|------------|------------|
| | in mm | in mm |
| 01 | 0.445 11.3 | 0.125 3.2 |
| 31 | 0.508 12.9 | 0.188 4.8 |
| 02 | 0.570 14.5 | 0.250 6.4 |
| 32 | 0.633 16.1 | 0.313 7.9 |
| 03 | 0.695 17.7 | 0.375 9.5 |
| 33 | 0.758 19.2 | 0.438 11.1 |
| 04 | 0.820 20.8 | 0.500 12.7 |
| 34 | 0.883 22.4 | 0.563 14.3 |
| 05 | 0.945 24.0 | 0.625 15.9 |
| 35 | 1.008 25.6 | 0.688 17.5 |
| 06 | 1.070 27.2 | 0.750 19.1 |
| 36 | 1.133 28.8 | 0.813 20.6 |
| 07 | 1.195 30.4 | 0.875 22.2 |
| 37 | 1.258 31.9 | 0.938 23.8 |
| 08 | 1.320 33.5 | 1.000 25.4 |
| 38 | 1.383 35.1 | 1.063 27.0 |
| 09 | 1.445 36.7 | 1.125 28.6 |
| 10 | 1.570 39.9 | 1.250 31.8 |
| 11 | 1.695 43.1 | 1.375 34.9 |
| 12 | 1.820 46.2 | 1.500 38.1 |
| 13 | 1.945 49.4 | 1.625 41.3 |
| 14 | 2.070 52.6 | 1.750 44.5 |
| 15 | 2.195 55.8 | 1.875 47.6 |
| 16 | 2.320 58.9 | 2.000 50.8 |

inches millimeters
Tolerance ±0.01±0.25

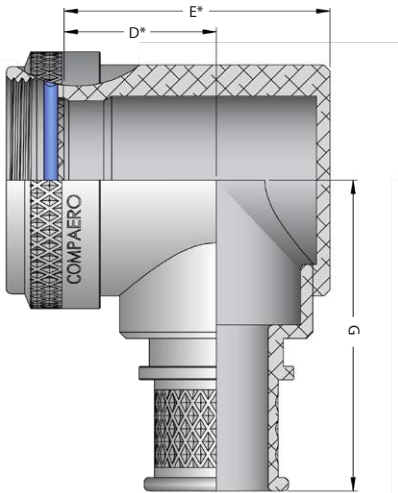
Angle 1 - Straight Rotatable Coupling



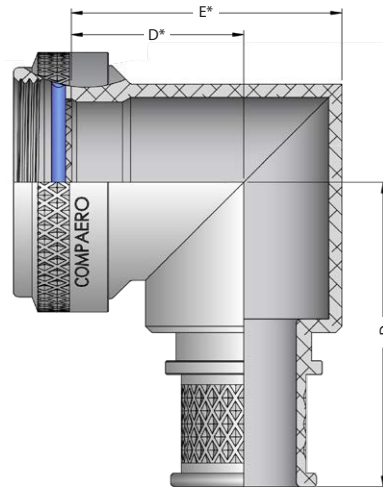
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 - 90 Degree Miter Cut



CP A 46 1 W D - 12 03 - B1 - VG0 - 8

Compaero Identifier

Connector Interface

See page 6 for details

Series Identifier

Angle

Material & Finish

See page 7 for details

Coupling Ring Option

Omit for standard rotatable

D - Direct coupling

E - Seat-lock (Non-detent, self locking)

S - Self locking (Detent, ratchet style)

T - Safety wire holes

W - Wrench flats

See page 8 for details

Length

See dimension L - In 0.25 Inch increments

Omit for 1.25" (Standard) & angled parts

Shrink Boot Option

Omit for no boot - See website for details

Banding Option

Omit for none

S - Constant Force Spring Band

B - Stamped Buckle Band (flat)

B1 - Stamped Buckle Band (pre-coiled)

M - Stamped Buckle Mini Band (flat)

M1 - Stamped Buckle Mini Band (pre-coiled)

See page 36 for details

Cable Entry

See table 2

Shell Size

See table 1

*Refer to fold out interface tables
inches [millimeters]

SERIES 46

EMI/RFI Shrink Boot Bandstrap Adapter Environmental, Screened



Table 1 Shell Size

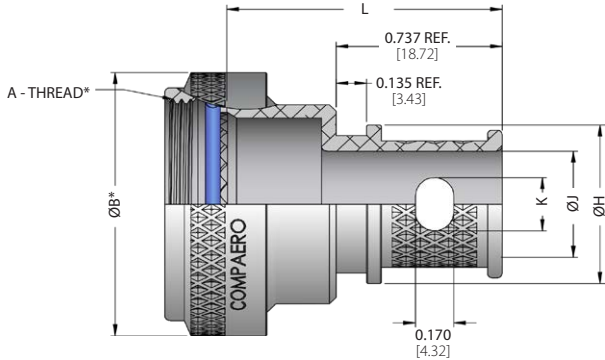
| SHELL SIZE | F MAX | G MAX |
|------------|-----------|-----------|
| | in mm | in mm |
| 08/09 | 1.02 25.9 | 1.29 32.8 |
| 10/11 | 1.04 26.4 | 1.35 34.3 |
| 12/13 | 1.07 27.2 | 1.42 36.1 |
| 14/15 | 1.10 27.9 | 1.48 37.6 |
| 16/17 | 1.12 28.4 | 1.54 39.1 |
| 18/19 | 1.13 28.7 | 1.57 39.9 |
| 20/21 | 1.16 29.5 | 1.63 41.4 |
| 22/23 | 1.19 30.2 | 1.70 43.2 |
| 24/25 | 1.21 30.7 | 1.76 44.7 |
| 28/29 | 1.24 31.5 | 1.82 46.2 |
| 32/33 | 1.29 32.8 | 1.95 49.5 |
| 36 | 1.33 33.8 | 2.04 51.8 |
| 40 | 1.38 35.1 | 2.17 55.1 |
| 44 | 1.43 36.3 | 2.29 58.2 |
| 48 | 1.48 37.6 | 2.42 61.5 |
| 61 | 1.20 30.5 | 1.73 43.9 |

Table 2 Entry Size

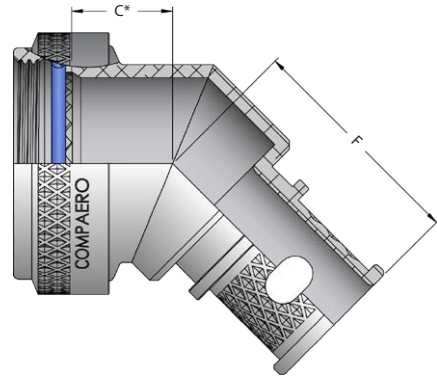
| ENTRY SIZE | ØH MAX | ØJ |
|------------|------------|------------|
| | in mm | in mm |
| 01 | 0.392 10.0 | 0.125 3.2 |
| 31 | 0.455 11.5 | 0.188 4.8 |
| 02 | 0.517 13.1 | 0.250 6.4 |
| 32 | 0.580 14.7 | 0.313 7.9 |
| 03 | 0.642 16.3 | 0.375 9.5 |
| 33 | 0.705 17.9 | 0.438 11.1 |
| 04 | 0.767 19.5 | 0.500 12.7 |
| 34 | 0.830 21.1 | 0.563 14.3 |
| 05 | 0.892 22.7 | 0.625 15.9 |
| 35 | 0.955 24.2 | 0.688 17.5 |
| 06 | 1.017 25.8 | 0.750 19.1 |
| 36 | 1.080 27.4 | 0.813 20.6 |
| 07 | 1.142 29.0 | 0.875 22.2 |
| 37 | 1.205 30.6 | 0.938 23.8 |
| 08 | 1.267 32.2 | 1.000 25.4 |
| 38 | 1.330 33.8 | 1.063 27.0 |
| 09 | 1.392 35.4 | 1.125 28.6 |
| 10 | 1.517 38.5 | 1.250 31.8 |
| 11 | 1.642 41.7 | 1.375 34.9 |
| 12 | 1.767 44.9 | 1.500 38.1 |
| 13 | 1.892 48.1 | 1.625 41.3 |
| 14 | 2.017 51.2 | 1.750 44.5 |
| 15 | 2.142 54.4 | 1.875 47.6 |
| 16 | 2.267 57.6 | 2.000 50.8 |

inches millimeters
Tolerance ±0.01±0.25

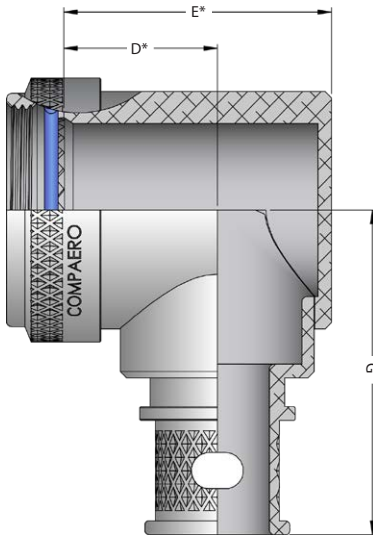
Angle 1 - Straight Rotatable Coupling



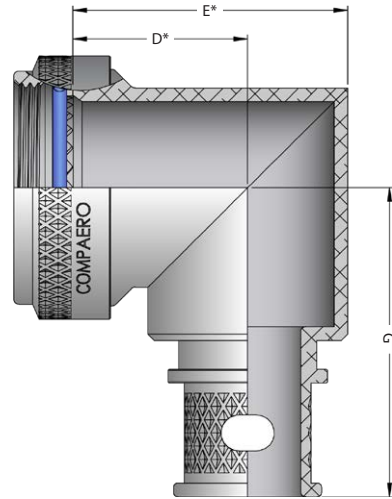
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 90 Degree Miter Cut



CPA 48 1 W D - 12 03 - B1 - VG0 - 8

- Compaero Identifier** ————
- Connector Interface** ————
See page 6 for details
- Series Identifier** ————
- Angle** ————
- Material & Finish** ————
See page 7 for details
- Coupling Ring Option** ————
Omit for standard rotatable
 - D** - Direct coupling
 - E** - Seat-lock (Non-detent, self locking)
 - S** - Self locking (Detent, ratchet style)
 - T** - Safety wire holes
 - W** - Wrench flats
See page 8 for details
- Length** ————
See dimension L - In 0.25 Inch increments
Omit for 1.25" (Standard) & angled parts
- Shrink Boot Option** ————
Omit for no boot - See website for details
- Banding Option** ————
Omit for none
 - S** - Constant Force Spring Band
 - B** - Stamped Buckle Band (flat)
 - B1** - Stamped Buckle Band (pre-coiled)
 - M** - Stamped Buckle Mini Band (flat)
 - M1** - Stamped Buckle Mini Band (pre-coiled)
See page 36 for details
- Cable Entry** ————
See table 2
- Shell Size** ————
See table 1

*Refer to fold out interface tables
inches [millimeters]

SERIES 48

EMI/RFI Shrink Boot Bandstrap Adapter, Inner & Outer Screen Termination Environmental, Screened



Table 1 Shell Size

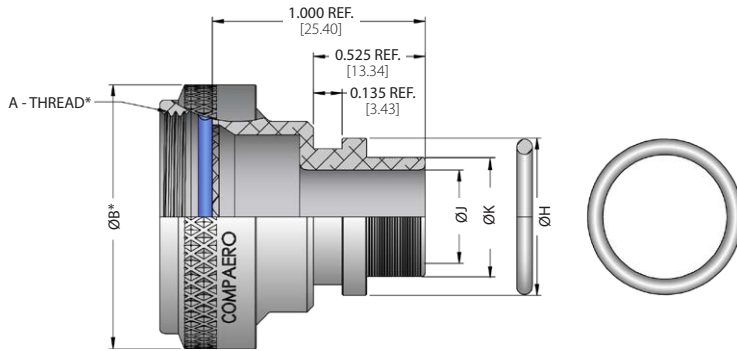
| SHELL SIZE | F MAX | | G MAX | |
|------------|-------|------|-------|------|
| | in | mm | in | mm |
| 08/09 | 1.02 | 25.9 | 1.29 | 32.8 |
| 10/11 | 1.04 | 26.4 | 1.35 | 34.3 |
| 12/13 | 1.07 | 27.2 | 1.42 | 36.1 |
| 14/15 | 1.10 | 27.9 | 1.48 | 37.6 |
| 16/17 | 1.12 | 28.4 | 1.54 | 39.1 |
| 18/19 | 1.13 | 28.7 | 1.57 | 39.9 |
| 20/21 | 1.16 | 29.5 | 1.63 | 41.4 |
| 22/23 | 1.19 | 30.2 | 1.70 | 43.2 |
| 24/25 | 1.21 | 30.7 | 1.76 | 44.7 |
| 28/29 | 1.24 | 31.5 | 1.82 | 46.2 |
| 32/33 | 1.29 | 32.8 | 1.95 | 49.5 |
| 36 | 1.33 | 33.8 | 2.04 | 51.8 |
| 40 | 1.38 | 35.1 | 2.17 | 55.1 |
| 44 | 1.43 | 36.3 | 2.29 | 58.2 |
| 48 | 1.48 | 37.6 | 2.42 | 61.5 |
| 61 | 1.20 | 30.5 | 1.73 | 43.9 |

Table 2 Entry Size

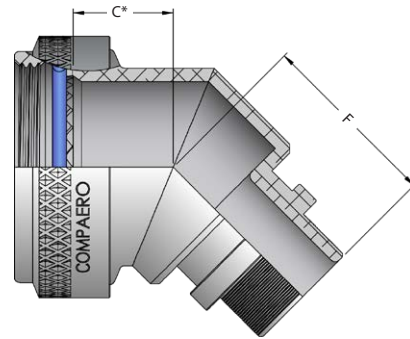
| ENTRY SIZE | ØH MAX | | ØJ | | K | | NUMBER OF SLOTS |
|------------|--------|------|-------|------|--------|------|-----------------|
| | in | mm | in | mm | in | mm | |
| 01 | 0.392 | 10.0 | 0.125 | 3.2 | Ø0.125 | Ø3.2 | 1 |
| 31 | 0.455 | 11.5 | 0.188 | 4.8 | Ø0.170 | Ø4.3 | 1 |
| 02 | 0.517 | 13.1 | 0.250 | 6.4 | Ø0.170 | Ø4.3 | 1 |
| 32 | 0.580 | 14.7 | 0.313 | 7.9 | Ø0.170 | Ø4.3 | 1 |
| 03 | 0.642 | 16.3 | 0.375 | 9.5 | 0.250 | 6.4 | 2 |
| 33 | 0.705 | 17.9 | 0.438 | 11.1 | 0.250 | 6.4 | 2 |
| 04 | 0.767 | 19.5 | 0.500 | 12.7 | 0.250 | 6.4 | 2 |
| 34 | 0.830 | 21.1 | 0.563 | 14.3 | 0.250 | 6.4 | 2 |
| 05 | 0.892 | 22.7 | 0.625 | 15.9 | 0.500 | 12.7 | 2 |
| 35 | 0.955 | 24.2 | 0.688 | 17.5 | 0.500 | 12.7 | 2 |
| 06 | 1.017 | 25.8 | 0.750 | 19.1 | 0.500 | 12.7 | 2 |
| 36 | 1.080 | 27.4 | 0.813 | 20.6 | 0.500 | 12.7 | 2 |
| 07 | 1.142 | 29.0 | 0.875 | 22.2 | 0.500 | 12.7 | 4 |
| 37 | 1.205 | 30.6 | 0.938 | 23.8 | 0.500 | 12.7 | 4 |
| 08 | 1.267 | 32.2 | 1.000 | 25.4 | 0.500 | 12.7 | 4 |
| 38 | 1.330 | 33.8 | 1.063 | 27.0 | 0.500 | 12.7 | 4 |
| 09 | 1.392 | 35.4 | 1.125 | 28.6 | 0.500 | 12.7 | 4 |
| 10 | 1.517 | 38.5 | 1.250 | 31.8 | 0.750 | 19.1 | 4 |
| 11 | 1.642 | 41.7 | 1.375 | 34.9 | 0.750 | 19.1 | 4 |
| 12 | 1.767 | 44.9 | 1.500 | 38.1 | 1.000 | 25.4 | 4 |
| 13 | 1.892 | 48.1 | 1.625 | 41.3 | 1.000 | 25.4 | 4 |
| 14 | 2.017 | 51.2 | 1.750 | 44.5 | 1.000 | 25.4 | 4 |
| 15 | 2.142 | 54.4 | 1.875 | 47.6 | 1.000 | 25.4 | 4 |
| 16 | 2.267 | 57.6 | 2.000 | 50.8 | 1.000 | 25.4 | 4 |

inches millimeters
Tolerance ±0.01±0.25

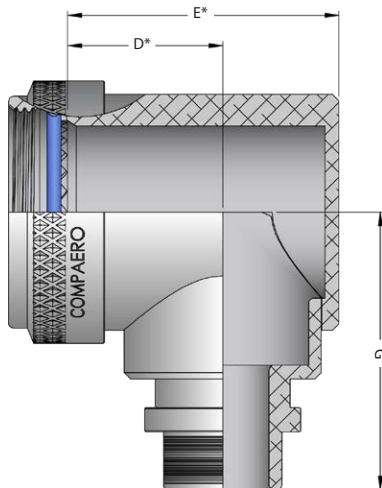
Angle 1 - Straight Rotatable Coupling



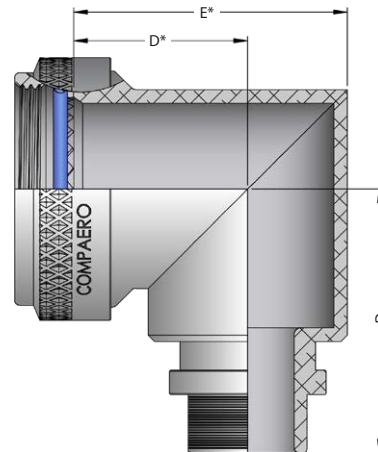
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 90 Degree Miter Cut



CP A 49 1 W D - 12 03 - A1 - VG0

Compaero Identifier

Connector Interface
See page 6 for details

Series Identifier

Angle

Material & Finish
See page 7 for details

Coupling Ring Option
Omit for standard rotatable

D - Direct coupling

E - Seat-lock (Non-detent, self locking)

S - Self locking (Detent, ratchet style)

T - Safety wire holes

W - Wrench flats
See page 8 for details

Shrink Boot Option

Omit for no boot - See website for details

Memory Ring

Omit for none - See P36 for details

A1 - Ring for single AWG braid

B1 - Ring for double 36 AWG braid

Cable Entry
See table 2

Shell Size
See table 1

*Refer to fold out interface tables
inches [millimeters]

SERIES 49

EMI/RFI Memory Ring Shrink Boot Adapter Environmental, Screened



Table 1 Shell Size

| SHELL SIZE | F MAX | G MAX |
|------------|-----------|-----------|
| | in mm | in mm |
| 08/09 | 0.81 20.6 | 1.10 27.9 |
| 10/11 | 0.83 21.1 | 1.17 29.7 |
| 12/13 | 0.86 21.8 | 1.23 31.2 |
| 14/15 | 0.88 22.4 | 1.29 32.8 |
| 16/17 | 0.91 23.1 | 1.35 34.3 |
| 18/19 | 0.92 23.4 | 1.38 35.1 |
| 20/21 | 0.95 24.1 | 1.45 36.8 |
| 22/23 | 0.97 24.6 | 1.51 38.4 |
| 24/25 | 1.00 25.4 | 1.57 39.9 |
| 28/29 | 1.03 26.2 | 1.63 41.4 |
| 32/33 | 1.08 27.4 | 1.76 44.7 |
| 36 | 1.12 28.4 | 1.85 47.0 |
| 40 | 1.17 29.7 | 1.98 50.3 |
| 44 | 1.22 31.0 | 2.10 53.3 |
| 48 | 1.27 32.3 | 2.23 56.6 |
| 61 | 0.99 25.1 | 1.54 39.1 |

Table 2 Entry Size

| ENTRY | ØH MAX | ØJ | ØK |
|-------|------------|------------|------------|
| | in mm | in mm | in mm |
| 02 | 0.570 14.5 | 0.250 6.4 | 0.373 9.5 |
| 32 | 0.633 16.1 | 0.313 7.9 | 0.435 11.1 |
| 03 | 0.695 17.7 | 0.375 9.5 | 0.498 12.7 |
| 33 | 0.758 19.2 | 0.438 11.1 | 0.560 14.3 |
| 04 | 0.820 20.8 | 0.500 12.7 | 0.623 15.9 |
| 05 | 0.945 24.0 | 0.625 15.9 | 0.747 19.0 |
| 06 | 1.070 27.2 | 0.750 19.1 | 0.872 22.2 |
| 07 | 1.195 30.4 | 0.875 22.2 | 0.997 25.4 |
| 08 | 1.320 33.5 | 1.000 25.4 | 1.122 28.5 |
| 09 | 1.445 36.7 | 1.125 28.6 | 1.247 31.7 |
| 10 | 1.570 39.9 | 1.250 31.8 | 1.372 34.9 |
| 11 | 1.695 43.1 | 1.375 34.9 | 1.495 38.0 |
| 12 | 1.820 46.2 | 1.500 38.1 | 1.620 41.2 |

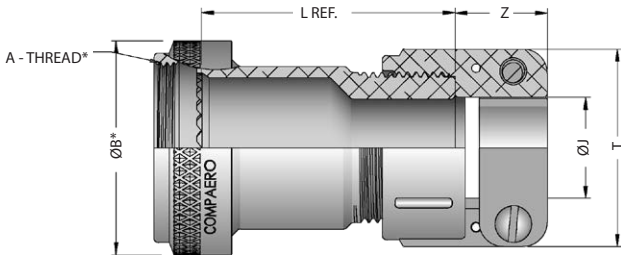
inches millimeters
Tolerance ±0.01±0.25

SERIES 55

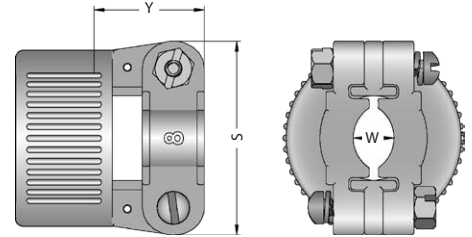
Cable Clamp Adapter Non-Environmental, Non-Screened

COMPAERO

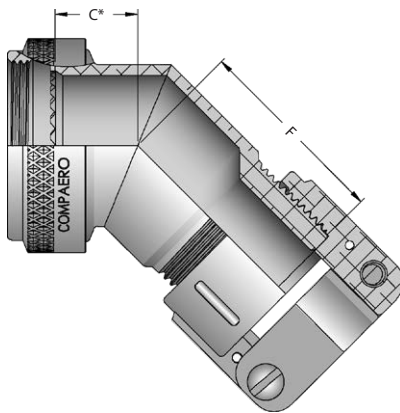
Angle 1 - Straight Rotatable Coupling, Type A Clamp



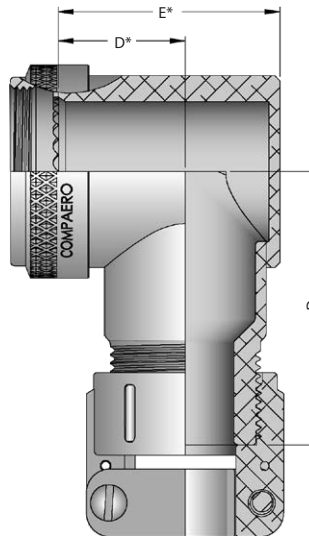
Clamp Option - Type H Clamp



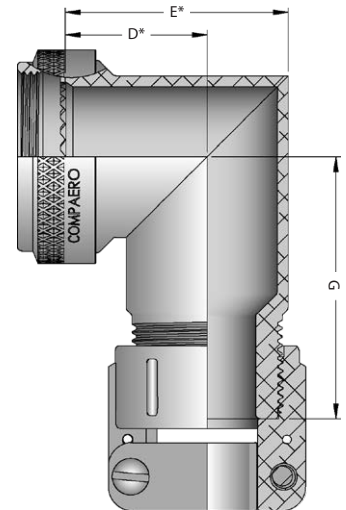
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 90 Degree Miter Cut



CP A 55 1 W D - 12 03 H - 10

Compaero Identifier

Connector Interface

See page 6 for details

Series Identifier

Angle

Material & Finish

See page 7 for details

Coupling Ring Option

Omit for standard rotatable

D - Direct coupling

E - Seat-lock (Non-detent, self locking)

S - Self locking (Detent, ratchet style)

T - Safety wire holes

W - Wrench flats

See page 8 for details

Length Option

Omit for 1.50" (Standard) & angled parts
0.25" Increments (10 = 2.50")

Cable Clamp Type

A - MS3057A (shown in drawings)

H - MS3057D

Cable Clamp Size

See table 2&3

Shell Size

See table 1

*Refer to fold out interface tables
inches [millimeters]

SERIES 55

Cable Clamp Adapter Non-Environmental, Non-Screened



Table 1 Shell Size

| SHELL SIZE | F MAX | G MAX |
|------------|------------------|------------------|
| | in mm | in mm |
| 08/09 | 0.88 22.4 | 1.17 29.7 |
| 10/11 | 0.91 23.1 | 1.23 31.2 |
| 12/13 | 0.93 23.6 | 1.29 32.8 |
| 14/15 | 0.96 24.4 | 1.35 34.3 |
| 16/17 | 0.98 24.9 | 1.42 36.1 |
| 18/19 | 1.00 25.4 | 1.45 36.8 |
| 20/21 | 1.02 25.9 | 1.51 38.4 |
| 22/23 | 1.05 26.7 | 1.57 39.9 |
| 24/25 | 1.07 27.2 | 1.63 41.4 |
| 28/29 | 1.10 27.9 | 1.70 43.2 |
| 32/33 | 1.15 29.2 | 1.82 46.2 |
| 36 | 1.19 30.2 | 1.92 48.8 |
| 40 | 1.24 31.5 | 2.04 51.8 |
| 44 | 1.29 32.8 | 2.17 55.1 |
| 48 | 1.35 34.3 | 2.29 58.2 |
| 61 | 1.06 26.9 | 1.60 40.6 |

Table 2 Type A Clamp

| ENTRY CODE | CLAMP REF | ØJ | T MAX | W REF | Z MAX |
|------------|------------|-------------------|------------------|------------------|------------------|
| | | in mm | in mm | in mm | in mm |
| 01 | CP3057-3A | 0.250 6.4 | 0.84 21.4 | 0.16 4.0 | 0.45 11.5 |
| 02 | CP3057-4A | 0.312 7.9 | 0.91 23.0 | 0.19 4.8 | 0.45 11.5 |
| 03 | CP3057-6A | 0.438 11.1 | 1.09 27.8 | 0.28 7.1 | 0.52 13.1 |
| 04 | CP3057-8A | 0.563 14.3 | 1.19 30.1 | 0.34 8.7 | 0.58 14.7 |
| 05 | CP3057-10A | 0.625 15.9 | 1.28 32.5 | 0.38 9.5 | 0.58 14.7 |
| 06 | CP3057-12A | 0.750 19.1 | 1.50 38.1 | 0.44 11.1 | 0.58 14.7 |
| 07 | CP3057-16A | 0.938 23.8 | 1.72 43.7 | 0.56 14.3 | 0.67 17.1 |
| 08 | CP3057-20A | 1.250 31.8 | 2.06 52.4 | 0.75 19.1 | 0.67 17.1 |
| 09 | CP3057-24A | 1.375 34.9 | 2.31 58.7 | 0.78 19.8 | 0.67 17.1 |
| 10 | CP3057-28A | 1.625 41.3 | 2.72 69.1 | 0.97 24.6 | 1.20 30.6 |
| 11 | CP3057-32A | 1.875 47.6 | 2.97 75.4 | 1.13 28.6 | 1.20 30.6 |

Table 3 Type H Clamp

| ENTRY CODE | CLAMP REF | ØJ | T MAX | W REF | Z MAX |
|------------|------------|-------------------|------------------|------------------|------------------|
| | | in mm | in mm | in mm | in mm |
| 02 | CP3057-4D | 0.313 7.9 | 0.96 24.3 | 0.17 4.2 | 0.78 19.8 |
| 03 | CP3057-6D | 0.438 11.1 | 1.15 29.1 | 0.29 7.3 | 0.78 19.8 |
| 04 | CP3057-8D | 0.563 14.3 | 1.33 33.8 | 0.34 8.7 | 0.78 19.8 |
| 05 | CP3057-10D | 0.625 15.9 | 1.33 33.8 | 0.37 9.5 | 0.78 19.8 |
| 06 | CP3057-12D | 0.750 19.1 | 1.55 39.4 | 0.52 13.2 | 0.81 20.6 |
| 07 | CP3057-16D | 0.938 23.8 | 1.77 45.0 | 0.64 16.3 | 0.91 23.0 |
| 08 | CP3057-20D | 1.250 31.8 | 2.11 53.7 | 0.86 21.7 | 1.09 27.7 |
| 09 | CP3057-24D | 1.375 34.9 | 2.36 60.0 | 0.99 25.1 | 1.12 28.5 |
| 10 | CP3057-28D | 1.625 41.3 | 2.77 70.4 | 1.26 32.1 | 1.40 35.5 |
| 11 | CP3057-32D | 1.875 47.6 | 3.02 76.7 | 1.42 36.0 | 1.40 35.5 |

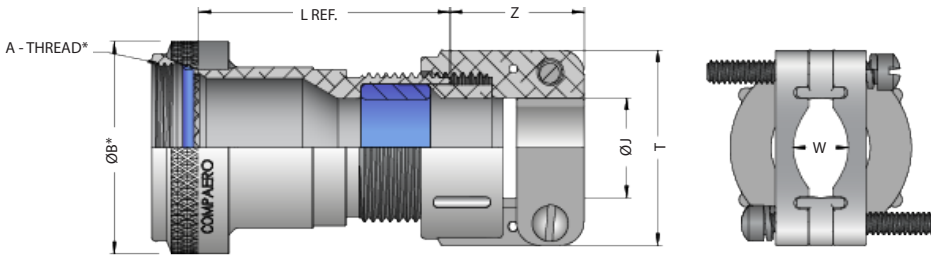
inches millimeters
Tolerance ±0.01±0.25

SERIES 60

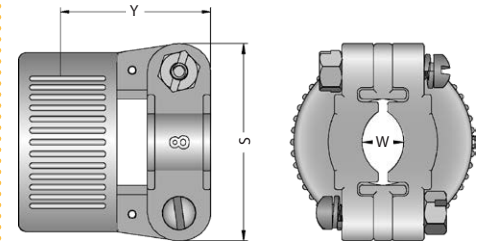
Submersible Cable Clamp Adapter Environmental, Non-Screened

COMPAERO

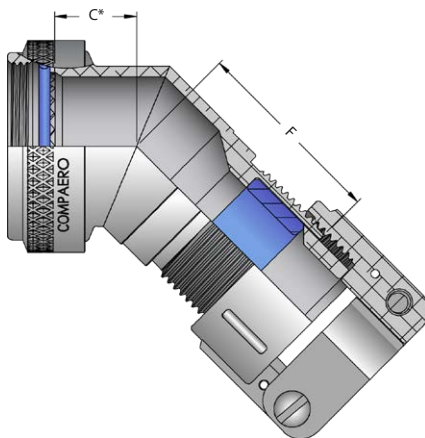
Angle 1 - Straight Rotatable Coupling, Type A Clamp



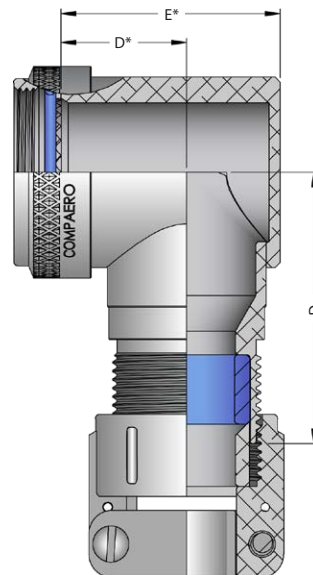
Clamp Option - Type H Clamp



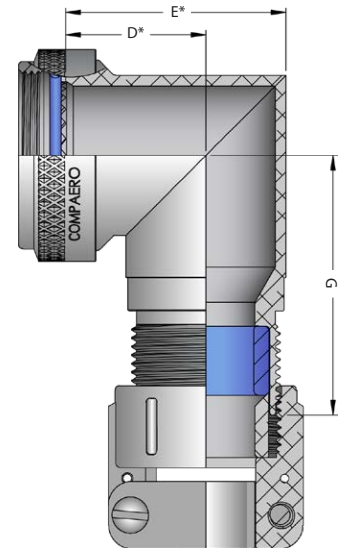
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 90 Degree Miter Cut



CP A 60 1 W D - 12 03 H - 10

Compaero Identifier

Connector Interface
See page 6 for details

Series Identifier

Angle

Material & Finish
See page 7 for details

Coupling Ring Option
Omit for standard rotatable

D - Direct coupling
E - Seat-lock (Non-detent, self locking)
S - Self locking (Detent, ratchet style)
T - Safety wire holes
W - Wrench flats
See page 8 for details

Length Option
Omit for 1.50" (Standard) & angled parts
0.25" Increments (10 = 2.50")

Cable Clamp Type

A - MS3057A (shown in drawings)
H - MS3057D

Cable Clamp Size
See table 2&3

Shell Size
See table 1

*Refer to fold out interface tables
inches [millimeters]



Table 1 Shell Size

| SHELL SIZE | F MAX | G MAX |
|------------|------------------|------------------|
| | in mm | in mm |
| 08/09 | 1.08 27.4 | 1.35 34.3 |
| 10/11 | 1.11 28.2 | 1.42 36.1 |
| 12/13 | 1.13 28.7 | 1.48 37.6 |
| 14/15 | 1.16 29.5 | 1.54 39.1 |
| 16/17 | 1.19 30.2 | 1.60 40.6 |
| 18/19 | 1.20 30.5 | 1.63 41.4 |
| 20/21 | 1.22 31.0 | 1.70 43.2 |
| 22/23 | 1.25 31.8 | 1.76 44.7 |
| 24/25 | 1.28 32.5 | 1.82 46.2 |
| 28/29 | 1.30 33.0 | 1.88 47.8 |
| 32/33 | 1.35 34.3 | 2.01 51.1 |
| 36 | 1.39 35.3 | 2.10 53.3 |
| 40 | 1.44 36.6 | 2.23 56.6 |
| 44 | 1.50 38.1 | 2.35 59.7 |
| 48 | 1.55 39.4 | 2.48 63.0 |
| 61 | 1.26 32.0 | 1.79 45.5 |

Table 2 Type A Clamp

| ENTRY CODE | CLAMP REF | ØJ | T MAX | W REF | Z MAX |
|------------|------------|-------------------|------------------|------------------|------------------|
| | | in mm | in mm | in mm | in mm |
| 01 | CP3057-3A | 0.250 6.4 | 0.84 21.4 | 0.16 4.0 | 0.80 20.2 |
| 02 | CP3057-4A | 0.312 7.9 | 0.91 23.0 | 0.19 4.8 | 0.80 20.2 |
| 03 | CP3057-6A | 0.438 11.1 | 1.09 27.8 | 0.28 7.1 | 0.86 21.8 |
| 04 | CP3057-8A | 0.563 14.3 | 1.19 30.1 | 0.34 8.7 | 0.92 23.4 |
| 05 | CP3057-10A | 0.625 15.9 | 1.28 32.5 | 0.38 9.5 | 0.92 23.4 |
| 06 | CP3057-12A | 0.750 19.1 | 1.50 38.1 | 0.44 11.1 | 0.92 23.4 |
| 07 | CP3057-16A | 0.938 23.8 | 1.72 43.7 | 0.56 14.3 | 1.02 25.8 |
| 08 | CP3057-20A | 1.250 31.8 | 2.06 52.4 | 0.75 19.1 | 1.02 25.8 |
| 09 | CP3057-24A | 1.375 34.9 | 2.31 58.7 | 0.78 19.8 | 1.02 25.8 |
| 10 | CP3057-28A | 1.625 41.3 | 2.72 69.1 | 0.97 24.6 | 1.55 39.3 |
| 11 | CP3057-32A | 1.875 47.6 | 2.97 75.4 | 1.13 28.6 | 1.55 39.3 |

Table 3 Type H Clamp

| ENTRY CODE | CLAMP REF | ØJ | S MAX | W REF | Y MAX |
|------------|------------|-------------------|------------------|------------------|------------------|
| | | in mm | in mm | in mm | in mm |
| 02 | CP3057-4D | 0.313 7.9 | 0.96 24.3 | 0.17 4.2 | 1.12 28.5 |
| 03 | CP3057-6D | 0.438 11.1 | 1.15 29.1 | 0.29 7.3 | 1.12 28.5 |
| 04 | CP3057-8D | 0.563 14.3 | 1.33 33.8 | 0.34 8.7 | 1.12 28.5 |
| 05 | CP3057-10D | 0.625 15.9 | 1.33 33.8 | 0.37 9.5 | 1.12 28.5 |
| 06 | CP3057-12D | 0.750 19.1 | 1.55 39.4 | 0.52 13.2 | 1.16 29.3 |
| 07 | CP3057-16D | 0.938 23.8 | 1.77 45.0 | 0.64 16.3 | 1.25 31.7 |
| 08 | CP3057-20D | 1.250 31.8 | 2.11 53.7 | 0.86 21.7 | 1.44 36.5 |
| 09 | CP3057-24D | 1.375 34.9 | 2.36 60.0 | 0.99 25.1 | 1.47 37.3 |
| 10 | CP3057-28D | 1.625 41.3 | 2.77 70.4 | 1.26 32.1 | 1.74 44.3 |
| 11 | CP3057-32D | 1.875 47.6 | 3.02 76.7 | 1.42 36.0 | 1.74 44.3 |

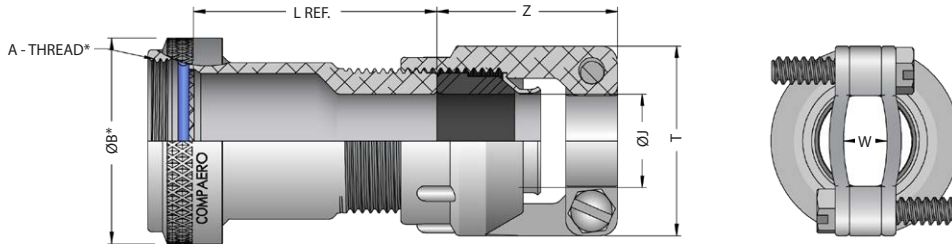
inches millimeters
Tolerance ±0.01±0.25

SERIES 61

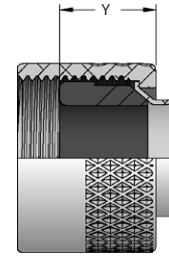
Non-Submersible Cable Clamp Adapter Environmental, Non-Screened

COMPAERO

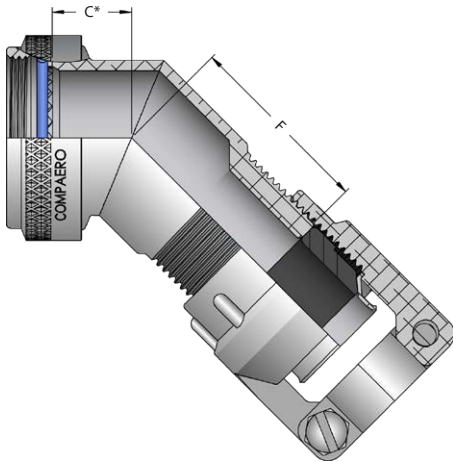
Angle 1 - Straight Rotatable Coupling, Type C Clamp



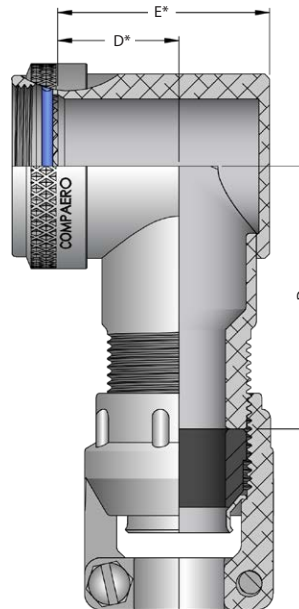
Clamp Option - Type E Nut



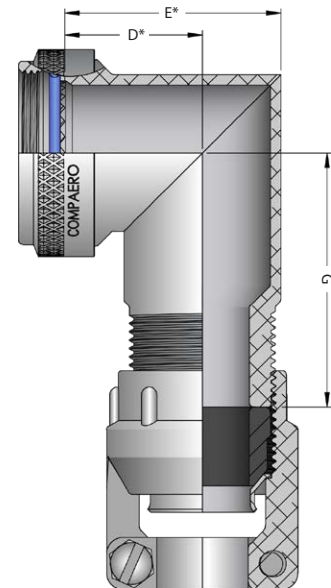
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 90 Degree Miter Cut



CP A 61 1 W D - 12 03 C - 10

Compaero Identifier

Connector Interface

See page 6 for details

Series Identifier

Angle

Material & Finish

See page 7 for details

Coupling Ring Option

Omit for standard rotatable

D - Direct coupling

E - Seat-lock (Non-detent, self locking)

S - Self locking (Detent, ratchet style)

T - Safety wire holes

W - Wrench flats

See page 8 for details

Length Option

Omit for 1.50" (Standard) & angled parts
0.25" Increments (10 = 2.50")

Cable Clamp Type

C - MS3057C (shown in drawings)

E - Style E

Cable Clamp Size

See table 2&3

Shell Size

See table 1

*Refer to fold out interface tables
inches [millimeters]



Table 1 Shell Size

| SHELL SIZE | F MAX | G MAX |
|------------|------------------|------------------|
| | in mm | in mm |
| 08/09 | 0.88 22.4 | 1.17 29.7 |
| 10/11 | 0.91 23.1 | 1.23 31.2 |
| 12/13 | 0.93 23.6 | 1.29 32.8 |
| 14/15 | 0.96 24.4 | 1.35 34.3 |
| 16/17 | 0.98 24.9 | 1.42 36.1 |
| 18/19 | 1.00 25.4 | 1.45 36.8 |
| 20/21 | 1.02 25.9 | 1.51 38.4 |
| 22/23 | 1.05 26.7 | 1.57 39.9 |
| 24/25 | 1.07 27.2 | 1.63 41.4 |
| 28/29 | 1.10 27.9 | 1.70 43.2 |
| 32/33 | 1.15 29.2 | 1.82 46.2 |
| 36 | 1.19 30.2 | 1.92 48.8 |
| 40 | 1.24 31.5 | 2.04 51.8 |
| 44 | 1.29 32.8 | 2.17 55.1 |
| 48 | 1.35 34.3 | 2.29 58.2 |
| 61 | 1.06 26.9 | 1.60 40.6 |

Table 2 Type E Nut

| ENTRY CODE | CLAMP REF | ØJ | | Y MAX | |
|------------|------------|--------------|------|-------------|------|
| | | in | mm | in | mm |
| 01 | CP3057-3E | 0.250 | 6.4 | 0.58 | 14.8 |
| 02 | CP3057-4E | 0.313 | 7.9 | 0.58 | 14.8 |
| 03 | CP3057-6E | 0.438 | 11.1 | 0.58 | 14.8 |
| 04 | CP3057-8E | 0.563 | 14.3 | 0.58 | 14.8 |
| 05 | CP3057-10E | 0.625 | 15.9 | 0.60 | 15.3 |
| 06 | CP3057-12E | 0.750 | 19.1 | 0.68 | 17.2 |
| 07 | CP3057-16E | 0.938 | 23.8 | 0.66 | 16.8 |
| 08 | CP3057-20E | 1.250 | 31.8 | 0.73 | 18.6 |
| 09 | CP3057-24E | 1.375 | 34.9 | 0.97 | 24.5 |
| 10 | CP3057-28E | 1.625 | 41.3 | 0.96 | 24.4 |
| 11 | CP3057-32E | 1.875 | 47.6 | 1.08 | 27.4 |

Table 3 Type C Clamp

| ENTRY CODE | CLAMP REF | ØJ | | T MAX | W REF | Z MAX |
|------------|------------|--------------|------|------------------|------------------|------------------|
| | | in | mm | in | mm | in |
| 01 | CP3057-3C | 0.250 | 6.4 | 0.81 20.6 | 0.22 5.5 | 1.22 31.0 |
| 02 | CP3057-4C | 0.312 | 7.9 | 0.94 23.8 | 0.30 7.5 | 1.22 31.0 |
| 03 | CP3057-6C | 0.438 | 11.1 | 1.06 27.0 | 0.39 9.9 | 1.22 31.0 |
| 04 | CP3057-8C | 0.563 | 14.3 | 1.19 30.2 | 0.43 11.0 | 1.22 31.0 |
| 05 | CP3057-10C | 0.625 | 15.9 | 1.31 33.3 | 0.43 11.0 | 1.28 32.5 |
| 06 | CP3057-12C | 0.750 | 19.1 | 1.56 39.7 | 0.60 15.1 | 1.28 32.5 |
| 07 | CP3057-16C | 0.938 | 23.8 | 1.75 44.5 | 0.60 15.1 | 1.41 35.7 |
| 08 | CP3057-20C | 1.250 | 31.8 | 2.25 57.2 | 0.86 21.8 | 1.66 42.1 |
| 09 | CP3057-24C | 1.375 | 34.9 | 2.38 60.3 | 0.86 21.8 | 1.91 48.4 |
| 10 | CP3057-28C | 1.625 | 41.3 | 2.63 66.7 | 1.11 28.1 | 1.91 48.4 |
| 11 | CP3057-32C | 1.875 | 47.6 | 2.81 71.4 | 1.42 36.1 | 2.00 50.8 |

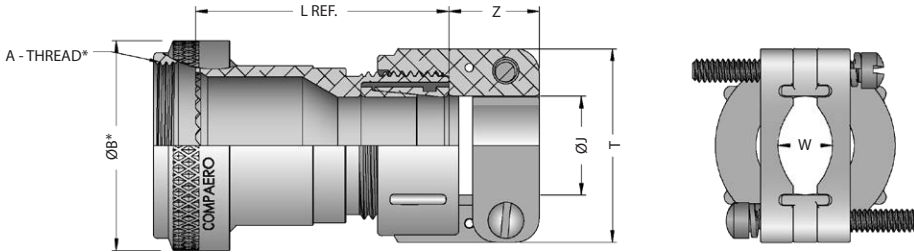
inches millimeters
Tolerance ±0.01±0.25

SERIES 70

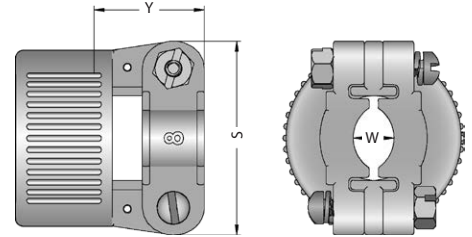
EMI/RFI Cable Clamp Adapter Non-Environmental, Screened

COMPAERO

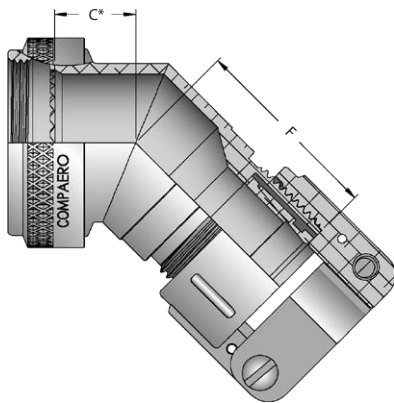
Angle 1 - Straight Rotatable Coupling, Type A Clamp



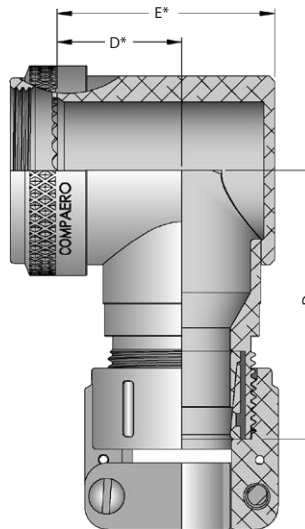
Clamp Option - Type H Clamp



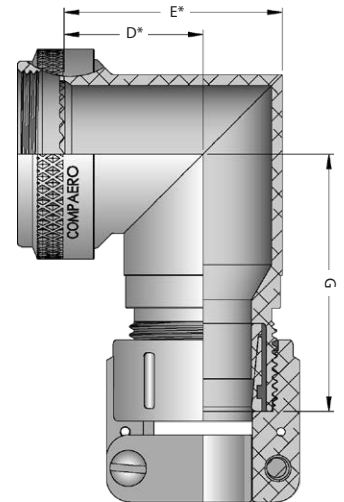
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 90 Degree Miter Cut



CP A 70 1 W D - 12 03 H - 10

Compaero Identifier

Connector Interface

See page 6 for details

Series Identifier

Angle

Material & Finish

See page 7 for details

Coupling Ring Option

Omit for standard rotatable

D - Direct coupling

E - Seat-lock (Non-detent, self locking)

S - Self locking (Detent, ratchet style)

T - Safety wire holes

W - Wrench flats

See page 8 for details

Length Option

Omit for 1.50"(Standard) & angled parts
0.25" Increments (10 = 2.50")

Cable Clamp Type

A - MS3057A (shown in drawings)
H - MS3057D

Cable Clamp Size

See table 2&3

Shell Size

See table 1

*Refer to fold out interface tables
inches [millimeters]



Table 1 Shell Size

| SHELL SIZE | F MAX | G MAX |
|------------|------------------|------------------|
| | in mm | in mm |
| 08/09 | 1.08 27.4 | 1.35 34.3 |
| 10/11 | 1.11 28.2 | 1.42 36.1 |
| 12/13 | 1.13 28.7 | 1.48 37.6 |
| 14/15 | 1.16 29.5 | 1.54 39.1 |
| 16/17 | 1.19 30.2 | 1.60 40.6 |
| 18/19 | 1.20 30.5 | 1.63 41.4 |
| 20/21 | 1.22 31.0 | 1.70 43.2 |
| 22/23 | 1.25 31.8 | 1.76 44.7 |
| 24/25 | 1.28 32.5 | 1.82 46.2 |
| 28/29 | 1.30 33.0 | 1.88 47.8 |
| 32/33 | 1.35 34.3 | 2.01 51.1 |
| 36 | 1.39 35.3 | 2.10 53.3 |
| 40 | 1.44 36.6 | 2.23 56.6 |
| 44 | 1.50 38.1 | 2.35 59.7 |
| 48 | 1.55 39.4 | 2.48 63.0 |
| 61 | 1.26 32.0 | 1.79 45.5 |

Table 2 Type A Clamp

| ENTRY CODE | CLAMP REF | ØJ | T MAX | W REF | Z MAX |
|------------|------------|-------------------|------------------|------------------|------------------|
| | | in mm | in mm | in mm | in mm |
| 01 | CP3057-3A | 0.250 6.4 | 0.84 21.4 | 0.16 4.0 | 0.80 20.2 |
| 02 | CP3057-4A | 0.312 7.9 | 0.91 23.0 | 0.19 4.8 | 0.80 20.2 |
| 03 | CP3057-6A | 0.438 11.1 | 1.09 27.8 | 0.28 7.1 | 0.86 21.8 |
| 04 | CP3057-8A | 0.563 14.3 | 1.19 30.1 | 0.34 8.7 | 0.92 23.4 |
| 05 | CP3057-10A | 0.625 15.9 | 1.28 32.5 | 0.38 9.5 | 0.92 23.4 |
| 06 | CP3057-12A | 0.750 19.1 | 1.50 38.1 | 0.44 11.1 | 0.92 23.4 |
| 07 | CP3057-16A | 0.938 23.8 | 1.72 43.7 | 0.56 14.3 | 1.02 25.8 |
| 08 | CP3057-20A | 1.250 31.8 | 2.06 52.4 | 0.75 19.1 | 1.02 25.8 |
| 09 | CP3057-24A | 1.375 34.9 | 2.31 58.7 | 0.78 19.8 | 1.02 25.8 |
| 10 | CP3057-28A | 1.625 41.3 | 2.72 69.1 | 0.97 24.6 | 1.55 39.3 |
| 11 | CP3057-32A | 1.875 47.6 | 2.97 75.4 | 1.13 28.6 | 1.55 39.3 |

Table 3 Type H Clamp

| ENTRY CODE | CLAMP REF | ØJ | S MAX | W REF | Y MAX |
|------------|------------|-------------------|------------------|------------------|------------------|
| | | in mm | in mm | in mm | in mm |
| 02 | CP3057-4D | 0.313 7.9 | 0.96 24.3 | 0.17 4.2 | 1.12 28.5 |
| 03 | CP3057-6D | 0.438 11.1 | 1.15 29.1 | 0.29 7.3 | 1.12 28.5 |
| 04 | CP3057-8D | 0.563 14.3 | 1.33 33.8 | 0.34 8.7 | 1.12 28.5 |
| 05 | CP3057-10D | 0.625 15.9 | 1.33 33.8 | 0.37 9.5 | 1.12 28.5 |
| 06 | CP3057-12D | 0.750 19.1 | 1.55 39.4 | 0.52 13.2 | 1.16 29.3 |
| 07 | CP3057-16D | 0.938 23.8 | 1.77 45.0 | 0.64 16.3 | 1.25 31.7 |
| 08 | CP3057-20D | 1.250 31.8 | 2.11 53.7 | 0.86 21.7 | 1.44 36.5 |
| 09 | CP3057-24D | 1.375 34.9 | 2.36 60.0 | 0.99 25.1 | 1.47 37.3 |
| 10 | CP3057-28D | 1.625 41.3 | 2.77 70.4 | 1.26 32.1 | 1.74 44.3 |
| 11 | CP3057-32D | 1.875 47.6 | 3.02 76.7 | 1.42 36.0 | 1.74 44.3 |

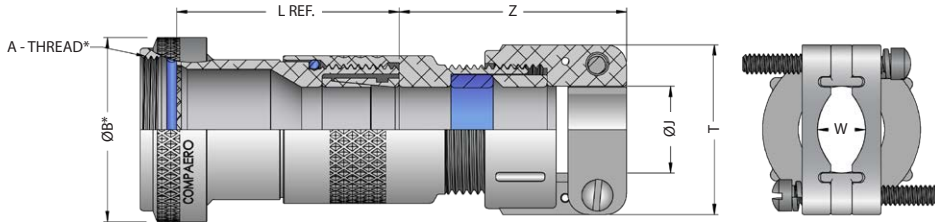
inches millimeters
Tolerance ±0.01±0.25

SERIES 80

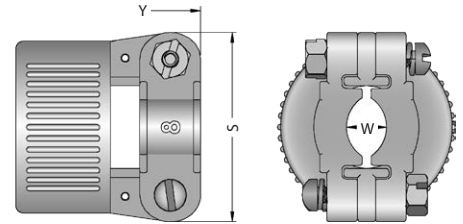
Submersible EMI/RFI Cable Clamp Adapter Environmental, Screened

COMPAERO

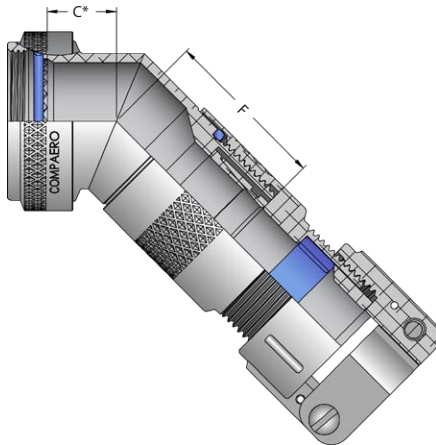
Angle 1 - Straight Rotatable Coupling, Type A Clamp



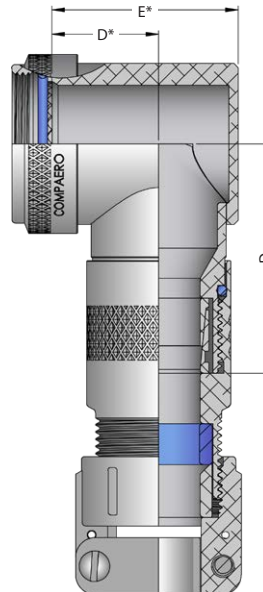
Clamp Option - Type H Clamp



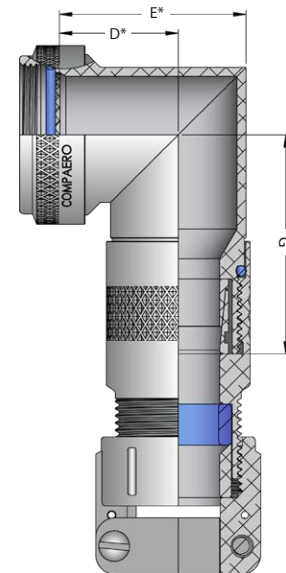
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 - 90 Degree Miter Cut



CP A 80 1 W D - 12 03 H - 10

Compaero Identifier

Connector Interface

See page 6 for details

Series Identifier

Angle

Material & Finish

See page 7 for details

Coupling Ring Option

Omit for standard rotatable

D - Direct coupling

E - Seat-lock (Non-detent, self locking)

S - Self locking (Detent, ratchet style)

T - Safety wire holes

W - Wrench flats

See page 8 for details

Length Option

Omit for 1.50" (Standard) & angled parts
0.25" Increments (10 = 2.50")

Cable Clamp Type

A - MS3057A (shown in drawings)
H - MS3057D

Cable Clamp Size

See table 2&3

Shell Size

See table 1

*Refer to fold out interface tables
inches [millimeters]



Table 1 Shell Size

| SHELL SIZE | F MAX | G MAX |
|------------|------------------|------------------|
| | in mm | in mm |
| 08/09 | 1.08 27.4 | 1.35 34.3 |
| 10/11 | 1.11 28.2 | 1.42 36.1 |
| 12/13 | 1.13 28.7 | 1.48 37.6 |
| 14/15 | 1.16 29.5 | 1.54 39.1 |
| 16/17 | 1.19 30.2 | 1.60 40.6 |
| 18/19 | 1.20 30.5 | 1.63 41.4 |
| 20/21 | 1.22 31.0 | 1.70 43.2 |
| 22/23 | 1.25 31.8 | 1.76 44.7 |
| 24/25 | 1.28 32.5 | 1.82 46.2 |
| 28/29 | 1.30 33.0 | 1.88 47.8 |
| 32/33 | 1.35 34.3 | 2.01 51.1 |
| 36 | 1.39 35.3 | 2.10 53.3 |
| 40 | 1.44 36.6 | 2.23 56.6 |
| 44 | 1.50 38.1 | 2.35 59.7 |
| 48 | 1.55 39.4 | 2.48 63.0 |
| 61 | 1.26 32.0 | 1.79 45.5 |

Table 2 Type A Clamp

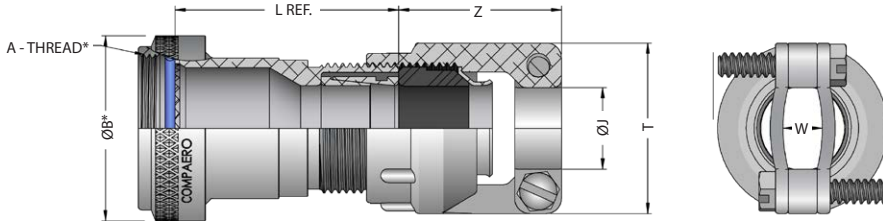
| ENTRY CODE | CLAMP REF | ØJ | T MAX | W REF | Z MAX |
|------------|------------|-------------------|------------------|------------------|------------------|
| | | in mm | in mm | in mm | in mm |
| 01 | CP3057-3A | 0.250 6.4 | 0.84 21.4 | 0.16 4.0 | 1.64 41.7 |
| 02 | CP3057-4A | 0.312 7.9 | 0.91 23.0 | 0.19 4.8 | 1.64 41.7 |
| 03 | CP3057-6A | 0.438 11.1 | 1.09 27.8 | 0.28 7.1 | 1.93 49.1 |
| 04 | CP3057-8A | 0.563 14.3 | 1.19 30.1 | 0.34 8.7 | 2.00 50.7 |
| 05 | CP3057-10A | 0.625 15.9 | 1.28 32.5 | 0.38 9.5 | 2.00 50.7 |
| 06 | CP3057-12A | 0.750 19.1 | 1.50 38.1 | 0.44 11.1 | 2.00 50.7 |
| 07 | CP3057-16A | 0.938 23.8 | 1.72 43.7 | 0.56 14.3 | 2.09 53.1 |
| 08 | CP3057-20A | 1.250 31.8 | 2.06 52.4 | 0.75 19.1 | 2.09 53.1 |
| 09 | CP3057-24A | 1.375 34.9 | 2.31 58.7 | 0.78 19.8 | 2.09 53.1 |
| 10 | CP3057-28A | 1.625 41.3 | 2.72 69.1 | 0.97 24.6 | 2.62 66.6 |
| 11 | CP3057-32A | 1.875 47.6 | 2.97 75.4 | 1.13 28.6 | 2.62 66.6 |

Table 3 Type H Clamp

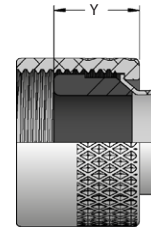
| ENTRY CODE | CLAMP REF | ØJ | S MAX | W REF | Y MAX |
|------------|------------|-------------------|------------------|------------------|------------------|
| | | in mm | in mm | in mm | in mm |
| 02 | CP3057-4D | 0.313 7.9 | 0.96 24.3 | 0.17 4.2 | 1.97 50.0 |
| 03 | CP3057-6D | 0.438 11.1 | 1.15 29.1 | 0.29 7.3 | 2.20 55.8 |
| 04 | CP3057-8D | 0.563 14.3 | 1.33 33.8 | 0.34 8.7 | 2.20 55.8 |
| 05 | CP3057-10D | 0.625 15.9 | 1.33 33.8 | 0.37 9.5 | 2.20 55.8 |
| 06 | CP3057-12D | 0.750 19.1 | 1.55 39.4 | 0.52 13.2 | 2.23 56.6 |
| 07 | CP3057-16D | 0.938 23.8 | 1.77 45.0 | 0.64 16.3 | 2.32 59.0 |
| 08 | CP3057-20D | 1.250 31.8 | 2.11 53.7 | 0.86 21.7 | 2.51 63.8 |
| 09 | CP3057-24D | 1.375 34.9 | 2.36 60.0 | 0.99 25.1 | 2.54 64.6 |
| 10 | CP3057-28D | 1.625 41.3 | 2.77 70.4 | 1.26 32.1 | 2.82 71.6 |
| 11 | CP3057-32D | 1.875 47.6 | 3.02 76.7 | 1.42 36.0 | 2.82 71.6 |

inches millimeters
Tolerance ±0.01±0.25

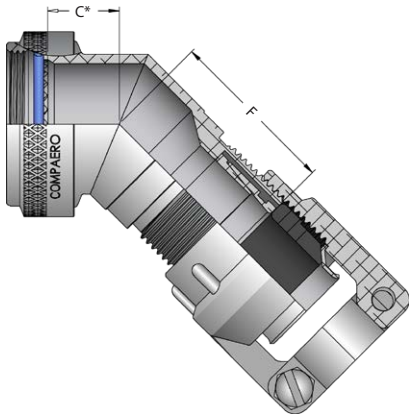
Angle 1 - Straight Rotatable Coupling, Type C Clamp



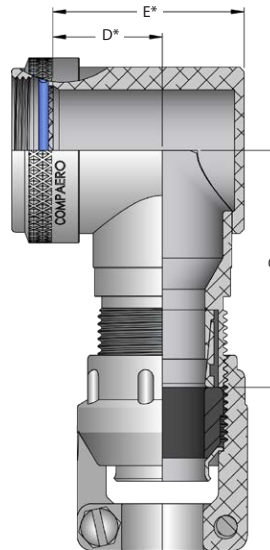
Clamp Option - Type E Nut



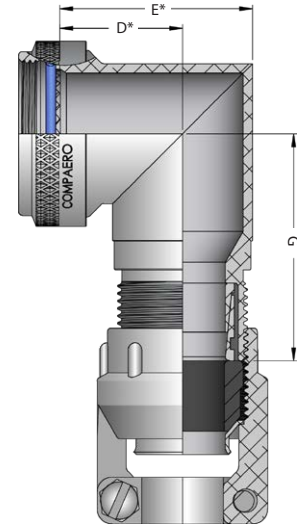
Angle 4 - 45 Degree



Angle 8 - 90 Degree



Angle 9 90 Degree Miter Cut



CP A 81 1 W D - 12 03 C - 10

Compaero Identifier

Connector Interface

See page 6 for details

Series Identifier

Angle

Material & Finish

See page 7 for details

Coupling Ring Option

Omit for standard rotatable

D - Direct coupling

E - Seat-lock (Non-detent, self locking)

S - Self locking (Detent, ratchet style)

T - Safety wire holes

W - Wrench flats

See page 8 for details

Length Option

Omit for 1.50" (Standard) & angled parts
0.25" Increments (10 = 2.50")

Cable Clamp Type

C - MS3057C (shown in drawings)

E - STYLE 'E'

Cable Clamp Size

See table 2&3

Shell Size

See table 1

*Refer to fold out interface tables
inches [millimeters]



Table 1 Shell Size

| SHELL SIZE | F MAX | G MAX |
|------------|-----------|-----------|
| | in mm | in mm |
| 08/09 | 1.08 27.4 | 1.35 34.3 |
| 10/11 | 1.11 28.2 | 1.42 36.1 |
| 12/13 | 1.13 28.7 | 1.48 37.6 |
| 14/15 | 1.16 29.5 | 1.54 39.1 |
| 16/17 | 1.19 30.2 | 1.60 40.6 |
| 18/19 | 1.20 30.5 | 1.63 41.4 |
| 20/21 | 1.22 31.0 | 1.70 43.2 |
| 22/23 | 1.25 31.8 | 1.76 44.7 |
| 24/25 | 1.28 32.5 | 1.82 46.2 |
| 28/29 | 1.30 33.0 | 1.88 47.8 |
| 32/33 | 1.35 34.3 | 2.01 51.1 |
| 36 | 1.39 35.3 | 2.10 53.3 |
| 40 | 1.44 36.6 | 2.23 56.6 |
| 44 | 1.50 38.1 | 2.35 59.7 |
| 48 | 1.55 39.4 | 2.48 63.0 |
| 61 | 1.26 32.0 | 1.79 45.5 |

Table 2 Type E Nut

| ENTRY CODE | CLAMP REF | ØJ | | Y MAX | |
|------------|------------|-------|------|-------|------|
| | | in | mm | in | mm |
| 01 | CP3057-3E | 0.250 | 6.4 | 0.79 | 20.0 |
| 02 | CP3057-4E | 0.313 | 7.9 | 0.79 | 20.0 |
| 03 | CP3057-6E | 0.438 | 11.1 | 0.79 | 20.0 |
| 04 | CP3057-8E | 0.563 | 14.3 | 0.79 | 20.1 |
| 05 | CP3057-10E | 0.625 | 15.9 | 0.81 | 20.5 |
| 06 | CP3057-12E | 0.750 | 19.1 | 0.88 | 22.4 |
| 07 | CP3057-16E | 0.938 | 23.8 | 0.87 | 22.0 |
| 08 | CP3057-20E | 1.250 | 31.8 | 0.94 | 23.9 |
| 09 | CP3057-24E | 1.375 | 34.9 | 1.17 | 29.8 |
| 10 | CP3057-28E | 1.625 | 41.3 | 1.17 | 29.7 |
| 11 | CP3057-32E | 1.875 | 47.6 | 1.29 | 32.7 |

Table 3 Type C Clamp

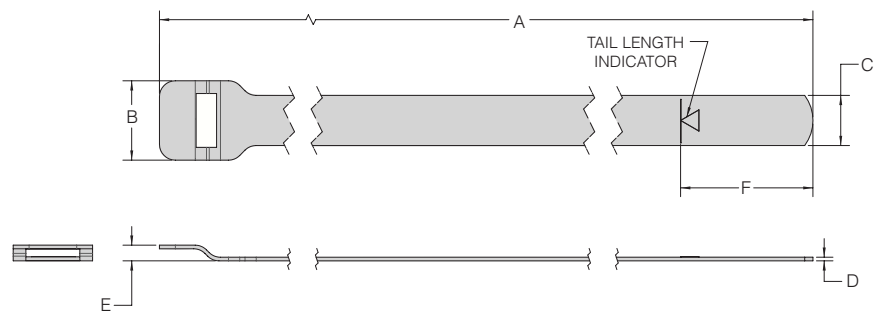
| ENTRY CODE | CLAMP REF | ØJ | | T MAX | W REF | Z MAX |
|------------|------------|-------|------|-----------|-----------|-----------|
| | | in | mm | in | mm | in |
| 01 | CP3057-3C | 0.250 | 6.4 | 0.81 20.6 | 0.22 5.5 | 1.42 36.2 |
| 02 | CP3057-4C | 0.312 | 7.9 | 0.94 23.8 | 0.30 7.5 | 1.42 36.2 |
| 03 | CP3057-6C | 0.438 | 11.1 | 1.06 27.0 | 0.39 9.9 | 1.42 36.2 |
| 04 | CP3057-8C | 0.563 | 14.3 | 1.19 30.2 | 0.43 11.0 | 1.42 36.2 |
| 05 | CP3057-10C | 0.625 | 15.9 | 1.31 33.3 | 0.43 11.0 | 1.49 37.8 |
| 06 | CP3057-12C | 0.750 | 19.1 | 1.56 39.7 | 0.60 15.1 | 1.49 37.8 |
| 07 | CP3057-16C | 0.938 | 23.8 | 1.75 44.5 | 0.60 15.1 | 1.61 40.9 |
| 08 | CP3057-20C | 1.250 | 31.8 | 2.25 57.2 | 0.86 21.8 | 1.86 47.3 |
| 09 | CP3057-24C | 1.375 | 34.9 | 2.38 60.3 | 0.86 21.8 | 2.11 53.6 |
| 10 | CP3057-28C | 1.625 | 41.3 | 2.63 66.7 | 1.11 28.1 | 2.11 53.6 |
| 11 | CP3057-32C | 1.875 | 47.6 | 2.81 71.4 | 1.42 36.1 | 2.21 56.0 |

inches millimeters
Tolerance ±0.01±0.25



Compaero supply and manufacture a comprehensive range of stainless steel termination bands to be used in a wide variety of interconnect systems. Qualified to the AS85049 standard, they provide a reliable and cost effective termination solution, available in both flat and pre-coiled versions.

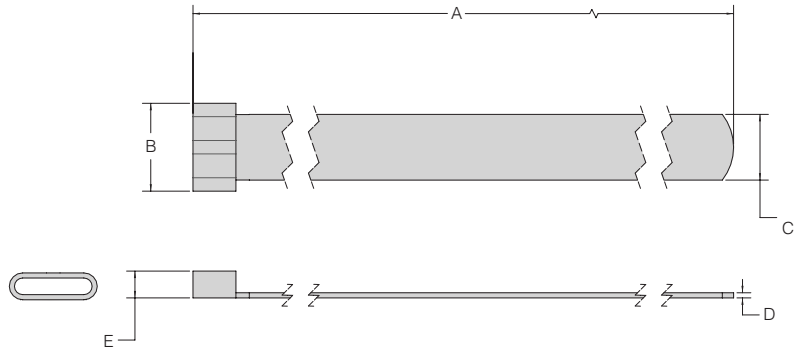
CPTB-1 Stamped Buckle Option



| PART NUMBER | A ± .060" / 1.52mm | B ± .031" / 0.79mm | C ± .010" / 0.26mm | D REF | E REF | F REF |
|------------------|-----------------------|-----------------------|-----------------------|-------------------|-------------------|--------------------|
| CPTB-111* | 14.25 361.95 | 0.350 8.89 | 0.250 6.35 | 0.020 0.51 | 0.130 3.30 | 2.031 51.59 |
| CPTB-112 | 18.00 457.2 | 0.350 8.89 | 0.250 6.35 | 0.020 0.51 | 0.130 3.30 | 2.031 51.59 |
| CPTB-121* | 8.125 206.38 | 0.195 4.95 | 0.120 3.05 | 0.015 0.38 | 0.053 1.35 | 2.031 51.59 |
| CPTB-122 | 14.25 361.95 | 0.195 4.95 | 0.120 3.05 | 0.015 0.38 | 0.053 1.35 | 2.031 51.59 |

*Available as qualified M85049/128 product - see website for details

CPTB-2 Welded Buckle Option



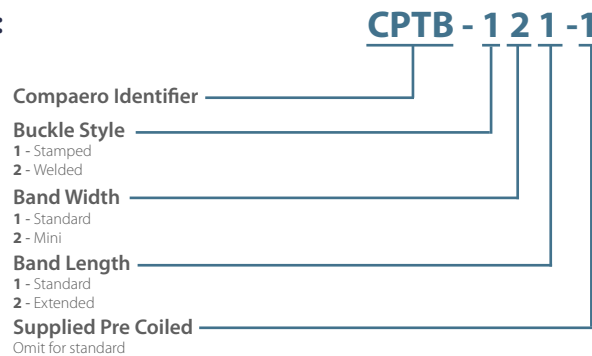
| PART NUMBER | A | B | C | D REF | E REF |
|------------------|---------------------|-------------------|-------------------|-------------------|-------------------|
| | ± .060" / 1.52mm | ± .031" / 0.79mm | ± .010" / 0.26mm | | |
| CPTB-211* | 14.00 355.60 | 0.328 8.33 | 0.245 6.22 | 0.019 0.50 | 0.100 2.54 |
| CPTB-212 | 18.00 457.20 | 0.328 8.33 | 0.245 6.22 | 0.019 0.50 | 0.100 2.54 |
| CPTB-221* | 9.50 241.30 | 0.198 5.03 | 0.118 2.99 | 0.015 0.40 | 0.080 2.03 |
| CPTB-222 | 14.25 361.95 | 0.198 5.03 | 0.118 2.99 | 0.015 0.40 | 0.080 2.03 |

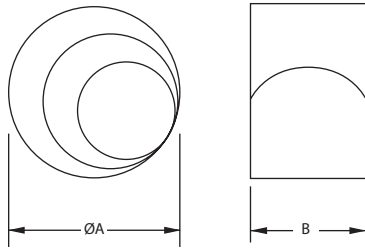
*Available as qualified M85049/128 product - see website for details

Notes:

1. Optional part marking available - contact sales team for details
2. Material: 300 series stainless steel, passivated

Part Numbering System:





Stainless Steel Constant Force Spring Band Option

- Re-usable and self-tensioning to secure both overall and individual braid termination.
- Easy to install - requires no tooling while providing a high level of tensile strength to the assembly.
- Suitable for corrosive environments and are not affected by vibration, shock or extreme temperatures.

Use Compaero Order Code 'S' to have a constant spring band included with the adapter. Compaero will determine the appropriate size needed based on the Cable Entry called out on the part number.

| ENTRY | BAND REF | A MAX | | B | | TURNS ±0.25 |
|-------|----------|-------|------|-------|-----|----------------|
| | | in | mm | in | mm | |
| S | CP050 | 0.295 | 7.5 | 0.374 | 9.5 | |
| S | CP100 | 0.315 | 8.0 | 0.374 | 9.5 | 4.5 |
| S | CP200 | 0.504 | 12.8 | 0.374 | 9.5 | 3 |
| S | CP300 | 0.705 | 17.9 | 0.374 | 9.5 | 4.25 |
| S | CP400 | 0.858 | 21.8 | 0.374 | 9.5 | 3.5 |

inches millimeters
Tolerance ±0.01±0.25



Memory Ring Option

- Low-profile, high-strength, shape-memory-alloy shield termination device
- Available in many sizes to accommodate various entry sizes and shield configurations
- Ideal for lightweight aerospace applications requiring repeated high-to-low temperature cycles.

See Series 49 (page 22) for full Memory Ring Adapter details.

| SIZE | CABLE ENTRY | ADAPTER ØK | AI | | BI | |
|------|-------------|---------------|-------------|------------|-------------|------------|
| | | | AS SUPPLIED | RECOVERED | AS SUPPLIED | RECOVERED |
| | | | in | mm | in | mm |
| 04 | 02 | 0.373 9.5 | 0.397 10.1 | 0.379 9.7 | 0.416 10.6 | 0.398 10.2 |
| 05 | 32 | 0.435 11.1 | 0.460 11.7 | 0.440 11.2 | 0.479 12.2 | 0.458 11.7 |
| 06 | 03 | 0.498 12.7 | 0.523 13.3 | 0.499 12.7 | 0.548 14.0 | 0.523 13.3 |
| 07 | 33 | 0.560 14.3 | 0.586 14.9 | 0.559 14.2 | 0.606 15.4 | 0.578 14.7 |
| 08 | 04 | 0.623 15.9 | 0.650 16.6 | 0.620 15.8 | 0.670 17.1 | 0.639 16.3 |
| 10 | 05 | 0.747 19.0 | 0.782 19.9 | 0.744 18.9 | 0.802 20.4 | 0.763 19.4 |
| 12 | 06 | 0.872 22.2 | 0.912 23.2 | 0.867 22.1 | 0.931 23.7 | 0.886 22.6 |
| 14 | 07 | 0.997 25.4 | 1.040 26.5 | 0.988 25.1 | 1.060 27.0 | 1.007 25.6 |
| 16 | 08 | 1.122 28.5 | 1.171 29.8 | 1.111 28.3 | 1.191 30.3 | 1.129 28.7 |
| 18 | 09 | 1.247 31.7 | 1.301 33.1 | 1.234 31.4 | 1.320 33.6 | 1.252 31.9 |
| 20 | 10 | 1.372 34.9 | 1.430 36.4 | 1.357 34.5 | 1.450 36.9 | 1.376 35.0 |
| 22 | 11 | 1.495 38.0 | 1.543 39.2 | 1.463 37.2 | 1.561 39.7 | 1.481 37.7 |
| 24 | 12 | 1.620 41.2 | 1.673 42.5 | 1.587 40.4 | 1.691 43.0 | 1.605 40.8 |

Part Numbering System:

CPTR 08 AI

Compaero Identifier

Size

Memory Ring Style

AI - Ring accommodates a single 36 AWG braid per QQB-575

BI - Ring accommodates a single 30 AWG braid or double 36 AWG braids per QQB-575

INTERFACE TABLE

Reference tables for catalogue series

BA INTERFACE

| ADAPTER SHELL SIZE | CONNECTOR SHELL SIZE | A THREAD | ØB MAX | C MAX | D MAX | E MAX | MAX ENTRY |
|--------------------|----------------------|--------------|-----------|-----------|-----------|-----------|-----------|
| | | | in mm | in mm | in mm | in mm | |
| 08 | 8S | 7/16-27UNS | 0.75 19.2 | 0.59 15.0 | 0.72 18.3 | 1.02 25.9 | 32 |
| 10 | 10S | 1/2-28UNEF | 0.82 20.8 | 0.60 15.4 | 0.75 19.1 | 1.08 27.5 | 03 |
| 11 | 10SL | 5/8-24UNEF | 0.94 23.9 | 0.63 16.0 | 0.81 20.7 | 1.21 30.6 | 04 |
| 12 | 12, 12S | 11/16-24UNEF | 1.02 25.9 | 0.64 16.3 | 0.84 21.5 | 1.27 32.2 | 34 |
| 14 | 14, 14S | 3/4-20UNEF | 1.08 27.5 | 0.66 16.7 | 0.88 22.2 | 1.33 33.8 | 05 |
| 16 | 16, 16S | 7/8-20UNEF | 1.27 32.3 | 0.71 18.1 | 0.97 24.6 | 1.49 37.8 | 06 |
| 18 | 18 | 1-20UNEF | 1.40 35.4 | 0.74 18.8 | 1.03 26.2 | 1.61 40.9 | 36 |
| 20 | 20 | 1 1/8-18UNEF | 1.52 38.6 | 0.77 19.4 | 1.09 27.8 | 1.74 44.1 | 08 |
| 22 | 22 | 1 1/4-18UNEF | 1.65 41.8 | 0.79 20.1 | 1.16 29.4 | 1.86 47.3 | 09 |
| 24 | 24 | 1 3/8-18UNEF | 1.85 46.9 | 0.85 21.5 | 1.25 31.8 | 2.02 51.3 | 10 |
| 28 | 28 | 1 5/8-18UNEF | 1.97 50.1 | 0.87 22.2 | 1.31 33.4 | 2.14 54.4 | 11 |
| 32 | 32 | 1 29/32-18UN | 2.22 56.4 | 0.93 23.5 | 1.44 36.5 | 2.39 60.8 | 13 |
| 36 | 36 | 2 1/8-18UNS | 2.55 64.8 | 1.01 25.6 | 1.59 40.5 | 2.67 67.9 | 15 |
| 40 | 40 | 2 3/8-16UN | 2.80 71.2 | 1.06 26.9 | 1.72 43.7 | 2.92 74.3 | - |
| 44 | 44 | 2 5/8-16UN | 3.05 77.5 | 1.11 28.3 | 1.84 46.9 | 3.17 80.6 | - |
| 48 | 48 | 2 7/8-16UN | 3.38 85.9 | 1.20 30.4 | 2.00 50.8 | 3.46 87.8 | - |

BC INTERFACE

| ADAPTER SHELL SIZE | CONNECTOR SHELL SIZE | A THREAD | ØB MAX | C MAX | D MAX | E MAX | MAX ENTRY |
|--------------------|----------------------|---------------|-----------|-----------|-----------|-----------|-----------|
| | | | in mm | in mm | in mm | in mm | |
| 08 | 8S | 7/16-28UNEF | 0.75 19.2 | 0.59 15.0 | 0.72 18.3 | 1.02 25.9 | 32 |
| 10 | 10S | 1/2-28UNEF | 0.82 20.8 | 0.60 15.4 | 0.75 19.1 | 1.08 27.5 | 03 |
| 11 | 10SL | 9/16-24UNEF | 0.88 22.3 | 0.62 15.7 | 0.78 19.9 | 1.14 29.0 | 33 |
| 12 | 12, 12S | 5/8-24UNEF | 0.94 23.9 | 0.63 16.0 | 0.81 20.7 | 1.21 30.6 | 04 |
| 14 | 14, 14S | 3/4-20UNEF | 1.08 27.5 | 0.66 16.7 | 0.88 22.2 | 1.33 33.8 | 34 |
| 16 | 16, 16S | 7/8-20UNEF | 1.27 32.3 | 0.71 18.1 | 0.97 24.6 | 1.49 37.8 | 35 |
| 18 | 18 | 1-20UNEF | 1.40 35.4 | 0.74 18.8 | 1.03 26.2 | 1.61 40.9 | 36 |
| 20 | 20 | 1 1/8-18UNEF | 1.52 38.6 | 0.77 19.4 | 1.09 27.8 | 1.74 44.1 | 37 |
| 22 | 22 | 1 1/4-18UNEF | 1.65 41.8 | 0.79 20.1 | 1.16 29.4 | 1.86 47.3 | 38 |
| 24 | 24 | 1 3/8-18UNEF | 1.85 46.9 | 0.85 21.5 | 1.25 31.8 | 2.02 51.3 | 09 |
| 28 | 28 | 1 5/8-18UNEF | 1.97 50.1 | 0.87 22.2 | 1.31 33.4 | 2.14 54.4 | 11 |
| 32 | 32 | 1 7/8-16UN | 2.22 56.4 | 0.93 23.5 | 1.44 36.5 | 2.39 60.8 | 13 |
| 36 | 36 | 2 1/8-16UN | 2.55 64.8 | 1.01 25.6 | 1.59 40.5 | 2.67 67.9 | 15 |
| 40 | 40 | 2 3/8-16UN | 2.80 71.2 | 1.06 26.9 | 1.72 43.7 | 2.92 74.3 | - |
| 44 | 44 | 2 5/8-16UN | 3.05 77.5 | 1.11 28.3 | 1.84 46.9 | 3.17 80.6 | - |
| 48 | 48 | 2 13/16-18UNS | 3.38 85.9 | 1.20 30.4 | 2.00 50.8 | 3.46 87.8 | - |

BR INTERFACE

| ADAPTER SHELL SIZE | CONNECTOR SHELL SIZE | A THREAD | ØB MAX | C MAX | D MAX | E MAX | MAX ENTRY |
|--------------------|----------------------|--------------|-----------|-----------|-----------|-----------|-----------|
| | | | in mm | in mm | in mm | in mm | |
| 08 | 8S | 7/16-27UNS | 0.75 19.2 | 0.59 15.0 | 0.72 18.3 | 1.02 25.9 | 32 |
| 10 | 10S | 1/2-28UNEF | 0.82 20.8 | 0.60 15.4 | 0.75 19.1 | 1.08 27.5 | 03 |
| 11 | 10SL | 5/8-24UNEF | 0.94 23.9 | 0.63 16.0 | 0.81 20.7 | 1.21 30.6 | 04 |
| 12 | 12, 12S | 11/16-24UNEF | 1.02 25.9 | 0.64 16.3 | 0.84 21.5 | 1.27 32.2 | 34 |
| 14 | 14, 14S | 3/4-20UNEF | 1.08 27.5 | 0.66 16.7 | 0.88 22.2 | 1.33 33.8 | 05 |
| 16 | 16, 16S | 7/8-20UNEF | 1.27 32.3 | 0.71 18.1 | 0.97 24.6 | 1.49 37.8 | 06 |
| 18 | 18 | 1-20UNEF | 1.40 35.4 | 0.74 18.8 | 1.03 26.2 | 1.61 40.9 | 36 |
| 20 | 20 | 1 1/8-24UNS | 1.52 38.6 | 0.77 19.4 | 1.09 27.8 | 1.74 44.1 | 08 |
| 22 | 22 | 1 1/4-18UNEF | 1.65 41.8 | 0.79 20.1 | 1.16 29.4 | 1.86 47.3 | 09 |
| 24 | 24 | 1 3/8-18UNEF | 1.85 46.9 | 0.85 21.5 | 1.25 31.8 | 2.02 51.3 | 10 |
| 28 | 28 | 1 5/8-18UNEF | 1.97 50.1 | 0.87 22.2 | 1.31 33.4 | 2.14 54.4 | 11 |
| 32 | 32 | 1 29/32-18UN | 2.22 56.4 | 0.93 23.5 | 1.44 36.5 | 2.39 60.8 | 13 |
| 36 | 36 | 2 1/16-20UNS | 2.55 64.8 | 1.01 25.6 | 1.59 40.5 | 2.67 67.9 | 15 |
| 40 | 40 | 2 3/8-16UN | 2.80 71.2 | 1.06 26.9 | 1.72 43.7 | 2.92 74.3 | - |
| 44 | 44 | 2 5/8-16UN | 3.05 77.5 | 1.11 28.3 | 1.84 46.9 | 3.17 80.6 | - |
| 48 | 48 | 2 7/8-16UN | 3.38 85.9 | 1.20 30.4 | 2.00 50.8 | 3.46 87.8 | - |

BB INTERFACE

| ADAPTER SHELL SIZE | CONNECTOR SHELL SIZE | A THREAD | ØB MAX | C MAX | D MAX | E MAX | MAX ENTRY |
|--------------------|----------------------|--------------|-----------|-----------|-----------|-----------|-----------|
| | | | in mm | in mm | in mm | in mm | |
| 08 | 8S | 3/8-32UNEF | 0.69 17.6 | 0.58 14.7 | 0.69 17.5 | 0.96 24.3 | 02 |
| 10 | 10S | 1/2-28UNEF | 0.82 20.8 | 0.60 15.4 | 0.75 19.1 | 1.08 27.5 | 03 |
| 11 | 10SL | 5/8-24UNEF | 0.94 23.9 | 0.63 16.0 | 0.81 20.7 | 1.21 30.6 | 04 |
| 12 | 12, 12S | 5/8-24UNEF | 0.94 23.9 | 0.63 16.0 | 0.81 20.7 | 1.21 30.6 | 04 |
| 14 | 14, 14S | 3/4-20UNEF | 1.08 27.5 | 0.66 16.7 | 0.88 22.2 | 1.33 33.8 | 05 |
| 16 | 16, 16S | 7/8-20UNEF | 1.27 32.3 | 0.71 18.1 | 0.97 24.6 | 1.49 37.8 | 06 |
| 18 | 18 | 1-20UNEF | 1.40 35.4 | 0.74 18.8 | 1.03 26.2 | 1.61 40.9 | 36 |
| 20 | 20 | 1 1/8-18UNEF | 1.52 38.6 | 0.77 19.4 | 1.09 27.8 | 1.74 44.1 | 08 |
| 22 | 22 | 1 1/4-18UNEF | 1.65 41.8 | 0.79 20.1 | 1.16 29.4 | 1.86 47.3 | 09 |
| 24 | 24 | 1 3/8-18UNEF | 1.85 46.9 | 0.85 21.5 | 1.25 31.8 | 2.02 51.3 | 10 |
| 28 | 28 | 1 5/8-18UNEF | 1.97 50.1 | 0.87 22.2 | 1.31 33.4 | 2.14 54.4 | 11 |
| 32 | 32 | 1 7/8-16UN | 2.22 56.4 | 0.93 23.5 | 1.44 36.5 | 2.39 60.8 | 13 |
| 36 | 36 | 2 1/16-16UNS | 2.55 64.8 | 1.01 25.6 | 1.59 40.5 | 2.67 67.9 | 15 |
| 40 | 40 | 2 5/16-16UNS | 2.80 71.2 | 1.06 26.9 | 1.72 43.7 | 2.92 74.3 | - |
| 44 | 44 | 2 5/8-16UN | 3.05 77.5 | 1.11 28.3 | 1.84 46.9 | 3.17 80.6 | - |

INTERFACE TABLE

Reference tables for catalogue series

| SHELL SIZE | A THREAD | ØB MAX | | C MAX | | D MAX | | E MAX | | MAX ENTRY |
|------------|----------------|--------|------|-------|------|-------|------|-------|------|-----------|
| | | in | mm | in | mm | in | mm | in | mm | |
| 08 | 1/2-20 UNF | 0.69 | 17.6 | 0.54 | 13.6 | 0.65 | 16.5 | 0.92 | 23.4 | 02 |
| 10 | 5/8-24 UNEF | 0.81 | 20.5 | 0.57 | 14.4 | 0.70 | 17.9 | 1.03 | 26.3 | 03 |
| 12 | 3/4-20 UNEF | 0.94 | 24.0 | 0.58 | 14.8 | 0.77 | 19.6 | 1.16 | 29.4 | 04 |
| 14 | 7/8-20 UNEF | 1.07 | 27.1 | 0.60 | 15.3 | 0.84 | 21.4 | 1.22 | 30.9 | 34 |
| 16 | 1-20 UNEF | 1.24 | 31.6 | 0.63 | 15.9 | 0.90 | 22.9 | 1.34 | 34.1 | 35 |
| 18 | 1 1/16-18 UNEF | 1.32 | 33.4 | 0.64 | 16.4 | 0.93 | 23.6 | 1.40 | 35.4 | 06 |
| 20 | 1 3/16-18 UNEF | 1.44 | 36.6 | 0.67 | 17.0 | 0.99 | 25.2 | 1.52 | 38.6 | 07 |
| 22 | 1 5/16-18 UNEF | 1.57 | 39.8 | 0.70 | 17.7 | 1.06 | 26.8 | 1.65 | 41.8 | 08 |
| 24 | 1 7/16-18 UNEF | 1.69 | 43.0 | 0.73 | 18.5 | 1.12 | 28.4 | 1.77 | 45.0 | 09 |
| 28 | 1 3/4-18 UNS | 2.00 | 50.9 | 0.83 | 21.2 | 1.28 | 32.6 | 2.06 | 52.4 | 11 |
| 32 | 2-18 UNS | 2.25 | 57.2 | 0.89 | 22.6 | 1.41 | 35.8 | 2.31 | 58.7 | 13 |
| 36 | 2 1/4-16 UN | 2.50 | 63.6 | 0.93 | 23.7 | 1.53 | 39.0 | 2.53 | 64.3 | 14 |
| 40 | 2 1/2-16UN | 2.75 | 69.9 | 1.01 | 25.6 | 1.66 | 42.1 | 2.78 | 70.6 | 16 |
| 44 | 2 3/4-16UN | 3.00 | 76.3 | 1.06 | 26.9 | 1.78 | 45.3 | 3.03 | 77.0 | - |
| 48 | 3-16UN | 3.25 | 82.6 | 1.11 | 28.2 | 1.91 | 48.5 | 3.28 | 83.3 | - |
| 61 | 1 1/2-18UNEF | 1.75 | 44.5 | 0.77 | 19.4 | 1.16 | 29.4 | 1.84 | 46.8 | 09 |

| SHELL SIZE | A THREAD | ØB MAX | | C MAX | | D MAX | | E MAX | | MAX ENTRY |
|------------|---------------|--------|------|-------|------|-------|------|-------|------|-----------|
| | | in | mm | in | mm | in | mm | in | mm | |
| 08 | 7/16-28UNEF | 0.68 | 17.3 | 0.57 | 14.4 | 0.72 | 18.2 | 1.00 | 25.5 | 02 |
| 10 | 9/16-24UNEF | 0.80 | 20.3 | 0.59 | 14.9 | 0.86 | 21.8 | 1.16 | 29.5 | 03 |
| 12 | 11/16-24UNEF | 0.94 | 23.8 | 0.62 | 15.7 | 0.83 | 21.0 | 1.26 | 32.0 | 04 |
| 14 | 13/16-20UNEF | 1.06 | 26.8 | 0.65 | 16.5 | 0.92 | 23.4 | 1.40 | 35.5 | 05 |
| 16 | 15/16-20UNEF | 1.17 | 29.8 | 0.66 | 16.8 | 0.96 | 24.5 | 1.52 | 38.5 | 06 |
| 18 | 1 1/16-18UNEF | 1.31 | 33.3 | 0.70 | 17.8 | 1.04 | 26.5 | 1.65 | 42.0 | 07 |
| 20 | 1 3/16-18UNEF | 1.43 | 36.3 | 0.71 | 18.1 | 1.12 | 28.5 | 1.79 | 45.5 | 08 |
| 22 | 1 5/16-18UNEF | 1.57 | 39.8 | 0.73 | 18.5 | 1.18 | 30.0 | 1.91 | 48.5 | 09 |
| 24 | 1 7/16-18UNEF | 1.69 | 42.8 | 0.78 | 19.7 | 1.24 | 31.5 | 2.03 | 51.5 | 10 |

| SHELL SIZE | A THREAD | ØB MAX | | C MAX | | D MAX | | E MAX | | MAX ENTRY |
|------------|---------------|--------|------|-------|------|-------|------|-------|------|-----------|
| | | in | mm | in | mm | in | mm | in | mm | |
| 08 | 7/16-28UNEF | 0.66 | 16.8 | 0.50 | 12.7 | 0.60 | 15.3 | 0.87 | 22.1 | 02 |
| 10 | 9/16-24UNEF | 0.80 | 20.3 | 0.52 | 13.3 | 0.67 | 16.9 | 1.00 | 25.3 | 03 |
| 12 | 11/16-24UNEF | 0.92 | 23.4 | 0.55 | 13.9 | 0.73 | 18.5 | 1.12 | 28.4 | 04 |
| 14 | 13/16-20UNEF | 1.06 | 26.8 | 0.58 | 14.7 | 0.79 | 20.1 | 1.25 | 31.6 | 05 |
| 16 | 15/16-20UNEF | 1.18 | 30.0 | 0.60 | 15.4 | 0.85 | 21.7 | 1.37 | 34.8 | 06 |
| 18 | 1 1/16-18UNEF | 1.31 | 33.3 | 0.61 | 15.4 | 0.92 | 23.2 | 1.50 | 38.0 | 07 |
| 20 | 1 3/16-18UNEF | 1.44 | 36.5 | 0.66 | 16.7 | 0.98 | 24.8 | 1.62 | 41.1 | 08 |
| 22 | 1 5/16-18UNEF | 1.56 | 39.7 | 0.68 | 17.4 | 1.04 | 26.4 | 1.75 | 44.3 | 09 |
| 24 | 1 7/16-18UNEF | 1.69 | 42.9 | 0.68 | 17.4 | 1.10 | 28.0 | 1.87 | 47.5 | 10 |

| SHELL SIZE | A THREAD | ØB MAX | | C MAX | | D MAX | | E MAX | | MAX ENTRY |
|------------|---------------|--------|------|-------|------|-------|------|-------|------|-----------|
| | | in | mm | in | mm | in | mm | in | mm | |
| 11 | 3/4-20UNEF | 1.04 | 26.5 | 0.80 | 20.4 | 0.95 | 24.1 | 1.28 | 32.5 | 03 |
| 13 | 7/8-20UNEF | 1.17 | 29.7 | 0.83 | 21.0 | 1.01 | 25.7 | 1.40 | 35.6 | 04 |
| 15 | 1-20UNEF | 1.23 | 31.3 | 0.85 | 21.7 | 1.07 | 27.2 | 1.53 | 38.8 | 05 |
| 17 | 1 1/8-18UNEF | 1.40 | 35.5 | 0.88 | 22.3 | 1.14 | 28.8 | 1.65 | 42.0 | 06 |
| 19 | 1 1/4-18UNEF | 1.52 | 38.7 | 0.90 | 23.0 | 1.20 | 30.4 | 1.78 | 45.2 | 07 |
| 23 | 1 7/16-18UNEF | 1.72 | 43.6 | 0.94 | 24.0 | 1.29 | 32.8 | 1.97 | 49.9 | 38 |
| 25 | 1 9/16-18UNEF | 1.86 | 47.2 | 0.97 | 24.6 | 1.35 | 34.4 | 2.09 | 53.1 | 09 |
| 29 | 1 7/8-16UN | 2.17 | 55.2 | 1.02 | 25.9 | 1.48 | 37.6 | 2.34 | 59.4 | 11 |
| 33 | 2 1/16-16UNS | 2.38 | 60.5 | 1.06 | 26.9 | 1.57 | 39.9 | 2.53 | 64.2 | 13 |

| SHELL SIZE | A THREAD | ØB MAX | | C MAX | | D MAX | | E MAX | | MAX ENTRY |
|------------|----------|--------|------|-------|------|-------|------|-------|------|-----------|
| | | in | mm | in | mm | in | mm | in | mm | |
| 09 | M12x1.0 | 0.74 | 18.7 | 0.42 | 10.6 | 0.62 | 15.7 | 0.84 | 21.2 | 32 |
| 11 | M15x1.0 | 0.86 | 21.9 | 0.44 | 11.2 | 0.68 | 17.2 | 0.96 | 24.3 | 33 |
| 13 | M18x1.0 | 1.01 | 25.6 | 0.49 | 12.3 | 0.76 | 19.2 | 1.10 | 27.9 | 34 |
| 15 | M22x1.0 | 1.13 | 28.8 | 0.51 | 13.0 | 0.82 | 20.8 | 1.23 | 31.1 | 35 |
| 17 | M25x1.0 | 1.26 | 32.0 | 0.55 | 13.9 | 0.89 | 22.6 | 1.36 | 34.5 | 36 |
| 19 | M28x1.0 | 1.39 | 35.2 | 0.57 | 14.6 | 0.95 | 24.2 | 1.45 | 36.9 | 07 |
| 21 | M31x1.0 | 1.51 | 38.4 | 0.60 | 15.3 | 1.02 | 25.8 | 1.58 | 40.1 | 08 |
| 23 | M34x1.0 | 1.64 | 41.6 | 0.63 | 15.9 | 1.08 | 27.4 | 1.71 | 43.3 | 09 |
| 25 | M37x1.0 | 1.78 | 45.2 | 0.65 | 16.6 | 1.14 | 29.0 | 1.83 | 46.5 | 10 |

| SHELL SIZE | A THREAD | ØB MAX | | C MAX | | D MAX | | E MAX | | MAX ENTRY |
|------------|---------------|--------|------|-------|------|-------|------|-------|------|-----------|
| | | in | mm | in | mm | in | mm | in | mm | |
| 08 | 7/16-28UNEF | 0.68 | 17.3 | 0.57 | 14.4 | 0.72 | 18.2 | 1.00 | 25.5 | 02 |
| 10 | 9/16-24UNEF | 0.80 | 20.3 | 0.59 | 14.9 | 0.77 | 19.6 | 1.12 | 28.5 | 03 |
| 12 | 11/16-24UNEF | 0.94 | 23.8 | 0.62 | 15.7 | 0.83 | 21.0 | 1.26 | 32.0 | 04 |
| 14 | 13/16-20UNEF | 1.06 | 26.8 | 0.65 | 16.5 | 0.92 | 23.4 | 1.40 | 35.5 | 05 |
| 16 | 15/16-20UNEF | 1.17 | 29.8 | 0.66 | 16.8 | 0.96 | 24.5 | 1.52 | 38.5 | 06 |
| 18 | 1 1/16-18UNEF | 1.31 | 33.3 | 0.70 | 17.8 | 1.04 | 26.5 | 1.65 | 42.0 | 07 |
| 20 | 1 3/16-18UNEF | 1.43 | 36.3 | 0.71 | 18.1 | 1.12 | 28.5 | 1.79 | 45.5 | 08 |
| 22 | 1 5/16-18UNEF | 1.57 | 39.8 | 0.73 | 18.5 | 1.18 | 30.0 | 1.91 | 48.5 | 09 |
| 24 | 1 7/16-18UNEF | 1.69 | 42.8 | 0.78 | 19.7 | 1.22 | 31.0 | 2.03 | 51.5 | 10 |

| SHELL SIZE | A THREAD | ØB MAX | | C MAX | | D MAX | | E MAX | | MAX ENTRY |
|------------|--------------|--------|------|-------|------|-------|------|-------|------|-----------|
| | | in | mm | in | mm | in | mm | in | mm | |
| 12 | 5/8-24UNEF | 0.80 | 20.3 | 0.68 | 17.3 | 0.83 | 21.1 | 1.16 | 29.4 | 03 |
| 14 | 3/4-20UNEF | 0.93 | 23.7 | 0.70 | 17.7 | 0.86 | 21.9 | 1.22 | 31.0 | 33 |
| 16 | 7/8-20UNEF | 1.05 | 26.7 | 1.00 | 25.3 | 1.20 | 30.4 | 1.62 | 41.2 | 34 |
| 18 | 1-20UNEF | 1.19 | 30.3 | 1.01 | 25.7 | 1.23 | 31.2 | 1.68 | 42.8 | 05 |
| 20 | 1 1/8-18UNEF | 1.39 | 35.3 | 1.04 | 26.3 | 1.29 | 32.8 | 1.81 | 46.0 | 06 |
| 22 | 1 1/4-18UNEF | 1.51 | 38.3 | 1.06 | 27.0 | 1.35 | 34.4 | 1.93 | 49.1 | 07 |
| 24 | 1 3/8-18UNEF | 1.63 | 41.3 | 1.09 | 27.6 | 1.42 | 36.0 | 2.06 | 52.3 | 08 |
| 28 | 1 5/8-18UNEF | 1.88 | 47.8 | 1.13 | 28.6 | 1.51 | 38.4 | 2.25 | 57.1 | 09 |
| 32 | 1 7/8-16UN | 2.13 | 54.2 | 1.18 | 29.9 | 1.64 | 41.5 | 2.50 | 63.4 | 11 |
| 36 | 2 1/16-16UNS | 2.45 | 62.2 | 1.22 | 30.9 | 1.73 | 43.9 | 2.68 | 68.2 | 13 |
| 40 | 2 5/16-16UN | 2.70 | 68.6 | 1.27 | 32.2 | 1.85 | 47.1 | 2.93 | 74.5 | 15 |

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