### TrustLink Metal Shell Connector

**Pressure Cap M/F**
- assembly instruction

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#### Important:
Male connectors shall not be energised while unmated. Energising in unmated condition causes a significant health risk due to electrical shock or short circuit due to the potential risk of flashover pin to pin or pin to housing.

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<table>
<thead>
<tr>
<th>Pressure Cap M/F</th>
<th>Insert</th>
<th>Kit no.</th>
<th>Drawing kit for Pressure cap M/F</th>
</tr>
</thead>
</table>
| **SA 6 PIn**     | 1) Male Pressure Cap 0024730601-020  
                   2) Female pressure Cap 0024730601-025  
                   3) Locking sleeve AISI316 0024730601-023  
                   4) Insert 0024730611-001  
                   5) Washer 0015730011-008  
                   6) Snap ring 02801324  
                   7) O-ring 08350109 (ø17.5x1.5 FPM75)  
                   8) O-ring 08350112 (ø22.5x1.5 FPM75) | Kit no.: 100007054  | 1) Washer 0015730011-008  
                                              2) Snap ring 08350112  
                                              3) O-ring 08350109 (ø17.5 FPM75)  
                                              4) O-ring 08350112 (ø22.5 FPM75) |
| **SA 12 PIN**    | 1) Male Pressure Cap 0024730601-020  
                   2) Female pressure Cap 0024730601-025  
                   3) Locking sleeve AISI316 0024730601-023  
                   4) Insert 0024730611-001  
                   5) Washer 0015730011-008  
                   6) Snap ring 02801324  
                   7) O-ring 08350110 (ø18.5x1.5 FPM75)  
                   8) O-ring 08350112 (ø22.5x1.5 FPM75) | Kit no.: 100007055  | 1) Washer 0015730011-008  
                                              2) Snap ring 08350112  
                                              3) O-ring 08350110 (ø18.5 FPM75)  
                                              4) O-ring 08350112 (ø22.5 FPM75) |
| **SB 16 PIN**    | 1) Male Pressure Cap 0024730601-020  
                   2) Female pressure Cap 0024730601-025  
                   3) Locking sleeve AISI316 0024730601-018  
                   4) Insert 0024730611-001  
                   5) Washer 0015730011-004  
                   6) Snap ring 02801325  
                   7) O-ring 08350112 (ø22.5x1.5 FPM75)  
                   8) O-ring 08350113 (ø27.0x1.5 FPM75) | Kit no.: 100007056  | 1) Washer 0015730011-004  
                                              2) Snap ring 02801325  
                                              3) O-ring 08350112 (ø22.5 FPM75)  
                                              4) O-ring 08350113 (ø27.0 FPM75) |
| **SC 26 PIN**    | 1) Male Pressure Cap 0024730601-020  
                   2) Female pressure Cap 0024730601-025  
                   3) Locking sleeve AISI316 0024730601-023  
                   4) Insert 0024730611-001  
                   5) Washer 0015730011-004  
                   6) Snap ring 02801325  
                   7) O-ring 08350112 (ø22.5x1.5 FPM75)  
                   8) O-ring 08350113 (ø27.0x1.5 FPM75) | Kit no.: 100007057  | 1) Washer 0015730011-004  
                                              2) Snap ring 02801325  
                                              3) O-ring 08350112 (ø22.5 FPM75)  
                                              4) O-ring 08350113 (ø27.0 FPM75) |
TrustLink Metal Shell Connectors Handling instructions

Assembly

TrustLink CCP to FCR, BCR receptacle

Step 1: Inspect the connector metal parts and O-rings for contamination. Grease the O-rings with Molykote 111
Step 2: Inspect the connector insert. If the connector insert is contaminated, follow the TrustLink MS maintenance
Step 3: Visually align the key way on the CCP connector with the key pin tip on the receptacle before mating (Illustration A)
Step 4: Push to mate the connector, whilst turning the locking sleeve
Step 5: The locking sleeve must be hand tightened only

Maintenance

• If the connector insert or O-rings are contaminated. Cleaning and removal of any accumulated contamination on a connector, should be performed by using spray based contact cleaner (isopropyl alcohol)
• Repeat the cleaning process if necessary
• O-rings item 1, 2, 3, 4 must be checked before mating/mounting and will require replacing if they show signs of damage
• Sizes of O-rings can be found in the assembly instructions on our webpage
• Always grease O-rings with Molykote 111
• For securing the BCR connectors and nut, the use of Loctite 243 is recommended (Loctite 243 or equivalent)
• If the torque is less as recommended, always use Loctite 243
• Be careful not to get the Loctite on the O-rings

NOTE:
When dismounting the CCP, vacuum may accrue in the connector. It can cause water from above the O-rings, to migrate in to the connection area. If that accrues, run the maintenance instruction.

Recommended torque on Bulkhead TrustLink MS (Loctite 243 applied)

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Rec. Torque – Nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>¾&quot; - 20 UNF</td>
<td>Stainless steel, brass</td>
<td>52 ± 2</td>
</tr>
<tr>
<td>7/8&quot; - 20 UNF</td>
<td>Stainless steel, brass</td>
<td>71 ± 2</td>
</tr>
<tr>
<td>1&quot; - 20 UNF</td>
<td>Stainless steel, brass</td>
<td>92 ± 2</td>
</tr>
</tbody>
</table>

The TrustLink Metal Shell series is rated to 600 bar mated.