



SERIES 70 10K PSI / 700 BAR / 7000 M

SeaKing™ High-Pressure Subsea Connectors, Cables, and PBOF Assemblies



Cable assembly capabilities and accessories

TURNKEY OVERMOLDED AND REPAIRABLE CABLE ASSEMBLIES AND SPECIAL CONFIGURATIONS



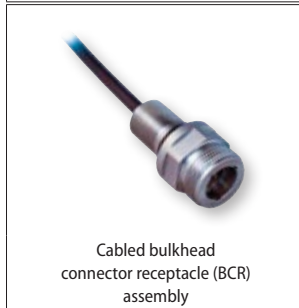
Amber overmold test sample demonstrates Glenair's harsh-environment, high-pressure cable overmolding and cable termination expertise (no voids, 360° material adhesion and cosmetic perfection)



10K psi overmolded CCP assembly



10K psi overmolded 75 Ohm Coax hybrid assembly



Cabled bulkhead connector receptacle (BCR) assembly



Special FCR assembly with additional mounting points and indexed flange



Special Oil & Gas industry NE 606 overmolded cable

SUBSEA/DEEPWATER: SEAKING™

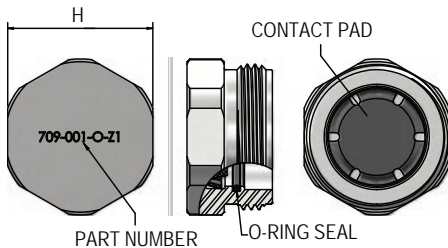
PLUG PRESSURE CAP (MATES WITH 700-006/007)



| Shell Size | Face Seal O-ring | Set Screw | Mating Torque |
|------------|------------------|-------------|---------------|
| G | 015 | 4-40 x 3/32 | 10 ft/lbs |
| K | 017 | | 12 ft/lbs |
| L | 019 | | ft/lbs |
| M | 020 | | 12 ft/lbs |
| O | 024 | | 15 ft/lbs |
| Q | 028 | | 15 ft/lbs |
| R | 029 | | ft/lbs |

| Basic Part Number | Plug Size | Body Material |
|-------------------|---------------------------------------|---|
| 709-002 | -K | -Z1 |
| | G, K, L, M, M O, P, Q, R See table | Z1 Stainless Steel TC Titanium Barrel and Coupling Nut |

RECEPTACLE PRESSURE CAP (MATES WITH 700-001)



| Plug Size | Hex H | Thread T (UN-2A) | O-Ring Size |
|-----------|---------------|------------------|-------------|
| G | .938 (23.83) | 15/16-12 | 2-014 |
| K | 1.063 (27.00) | 1 1/16-12 | 2-016 |
| L | 1.188 (30.18) | 1 3/16-12 | 2-018 |
| M | 1.313 (33.35) | 1 5/16-12 | 2-019 |
| O | 1.563 (39.70) | 1 9/16-12 | 2-023 |
| Q | 1.813 (46.05) | 1 13/16-12 | 2-028 |
| R | 1.938 (49.23) | 1 15/16-12 | 2-029 |



| Basic Part Number | Plug Size | Body Material |
|-------------------|---------------------------------------|------------------------------------|
| 709-001 | -O | -Z1 |
| | G, K, L, M, M O, P, Q, R See table | Z1 Stainless Steel* TC Titanium |

*For sizes G through O: Type 316
for sizes Q and up: 2507 Super Duplex



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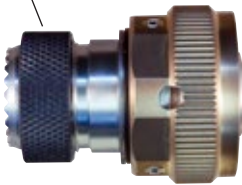
SeaKing™ High-Pressure Subsea Connectors, Cables, and PBOF Assemblies



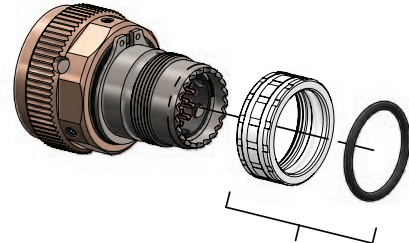
Tools and accessories

ANTI-CATHODIC DELAMINATION RING

ACD Nut made of 40% glass-filled PPS

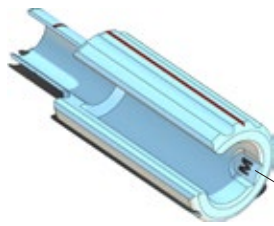


| Part # |
|-----------|
| 709-009-G |
| 709-009-K |
| 709-009-L |
| 709-009-M |
| 709-009-O |
| 709-009-Q |
| 709-009-R |



ACD ring includes one nitrile o-ring.

INSERT INSTALLATION TOOL



Shell Size

For Plug and Receptacle

| Part # | Description |
|-----------|---|
| 709-004-G | Insert Installation Tool for shell size G |
| 709-004-K | Insert Installation Tool for shell size K |
| 709-004-L | Insert Installation Tool for shell size L |
| 709-004-M | Insert Installation Tool for shell size M |
| 709-004-O | Insert Installation Tool for shell size O |
| 709-004-Q | Insert Installation Tool for shell size Q |
| 709-004-R | Insert Installation Tool for shell size R |

O-RING KITS AND O-RING LUBRICATION GREASE

O-Rings



Parker O-Lube O-ring lubricating grease

| Part # | O-Ring for Bulkhead Connector Receptacle |
|--------------|--|
| 709-005-07-G | O-Ring Kit for Size G |
| 709-005-07-K | O-Ring Kit for Size K |
| 709-005-07-M | O-Ring Kit for Size M |
| 709-005-07-O | O-Ring Kit for Size O |
| 709-005-07-Q | O-Ring Kit for Size Q |

| Part # | O-Ring for Cable Connector Plug |
|--------------|---------------------------------|
| 709-005-01-G | O-Ring Kit for Size G |
| 709-005-01-K | O-Ring Kit for Size K |
| 709-005-01-M | O-Ring Kit for Size M |
| 709-005-01-O | O-Ring Kit for Size O |
| 709-005-01-Q | O-Ring Kit for Size Q |

| Part # | O-Ring for Flange Connector Receptacle |
|--------------|--|
| 709-005-06-G | O-Ring Kit for Size G |
| 709-005-06-K | O-Ring Kit for Size K |
| 709-005-06-M | O-Ring Kit for Size M |
| 709-005-06-O | O-Ring Kit for Size O |
| 709-005-06-Q | O-Ring Kit for Size Q |

| Part # | Description |
|--------|---|
| 884-4 | Parker O-Lube O-Ring Grease, large 4 Oz. tube |
| 884-2 | Parker O-Lube O-Ring Grease, small 2 g packet |

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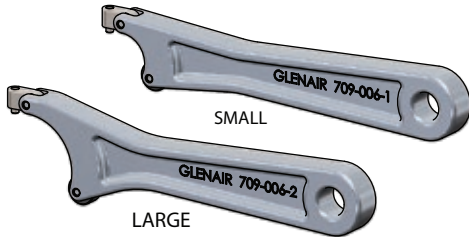




SERIES 70 10K PSI / 700 BAR / 7000 M SeaKing™ High-Pressure Subsea Connectors, Cables, and PBOF Assemblies Tools and accessories



SPANNER WRENCH



| Part # | Description |
|-----------|---|
| 709-006-1 | Fits SeaKing™ accessory sizes G thru M. |

| Part # | Description |
|-----------|---|
| 709-006-2 | Fits SeaKing™ accessory sizes O and up. |

TORQUE WRENCH ADAPTORS



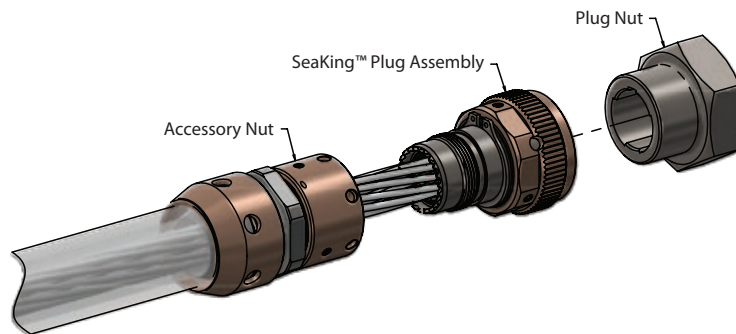
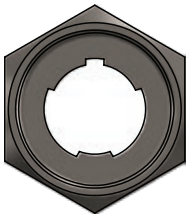
Small adaptor, order number 709-011-1 fits SeaKing accessory sizes G thru M.

Large adaptor, order number 709-011-2 fits SeaKing accessory sizes O and up.

NOTES

1. Each adaptor has a 3/8 square drive hole for adapting to a torque wrench.
2. Adaptors are made of 316 stainless steel.
3. Each adaptor has a delrin rotary pad to prevent from marring the accessory nut.

PLUG NUT



NOTES

1. The SeaKing™ plug nut is used when tightening the accessory nut onto the SeaKing™ plug assembly. The plug nut engages the plug barrel and a spanner wrench is used to tighten the accessory nut onto the back of the plug assembly
2. Plug is made of 303 stainless steel

| Part # | Description |
|-----------|---------------------------|
| 709-010-G | Plug Nut for shell size G |
| 709-010-K | Plug Nut for shell size K |
| 709-010-L | Plug Nut for shell size L |
| 709-010-M | Plug Nut for shell size M |
| 709-010-O | Plug Nut for shell size O |
| 709-010-Q | Plug Nut for shell size Q |
| 709-010-R | Plug Nut for shell size R |

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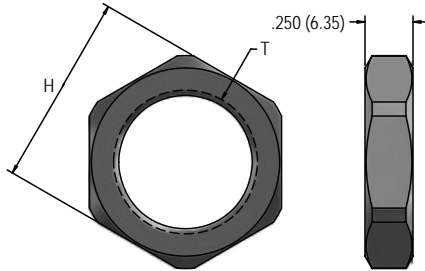
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Tools and accessories

REPLACEMENT HEX NUT FOR BULKHEAD CONNECTOR RECEPTACLE



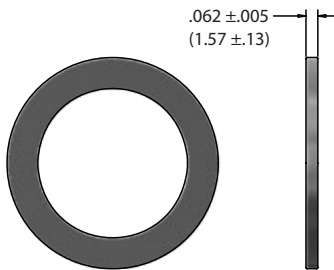
| Shell Size | H ±.010 (0.25) | T |
|------------|-------------------|-----------------|
| G | .875 (22.23) | 5/8-24-UNEF-2B |
| K | 1.000 (25.40) | 3/4-20 UNEF -2B |
| L | 1.125 (28.58) | 7/8-20 UNEF-2B |
| M | 1.250 (31.75) | 1-20 UNEF -2B |
| O | 1.500 (38.10) | 1 1/8-16 UN-2B |
| P | 1.625 (41.28) | 1 1/4-16 UN-2B |
| Q | 1.750 (44.45) | 1 3/8-16 UN-2B |
| R | 1.875 (47.63) | 1 1/2-16 UN-2B |

| Basic Part Number | Plug Size | Body Material |
|-------------------|-----------|---------------|
| 709-012 | -O | -Z1 |

G, K, L, M,
M, O, P,
Q, R

Z1 = Stainless Steel
TC = Titanium
BZ = Nickel Aluminum Bronze

REPLACEMENT WASHER



| Basic Part Number | Plug Size | Body Material |
|-------------------|-----------|---------------|
| 709-013 | -O | -Z1 |

G, K, L, M, M O, P, Q, R

Z1 = Stainless Steel
TC = Titanium
BZ = Nickel Aluminum Bronze

SNAP RING PLIERS



| Part # | Description |
|---------|---|
| 709-008 | Snap Ring Pliers - consult factory for sizing |

BAND-MASTER ATS® MICRO BANDING TOOL AND BANDS



| Part # | Description |
|---------|--|
| 601-101 | Band-Master ATS® Micro Tool with Counter |
| 601-024 | Short Micro band, flat |
| 601-025 | Short Micro band, pre-coiled |
| 601-060 | Medium Micro band, flat |
| 601-061 | Medium Micro band, pre-coiled |
| 601-064 | Long Micro band, flat |
| 601-065 | Long Micro band, pre-coiled |

Weights 1.3 lbs., and is designed for micro .120" width clamping bands in a tension range from 50 to 85 lbs. Calibrate at 80 lbs ±3 lbs for most shield terminations. Tool and band should never be lubricated.

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