

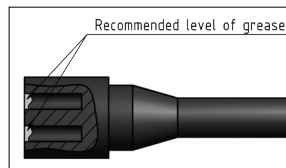
SubConn® handling instructions

Follow these instructions carefully to ensure correct use of your SubConn® connectors.

Handling

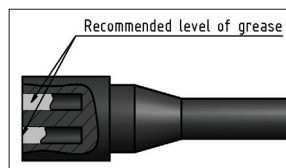
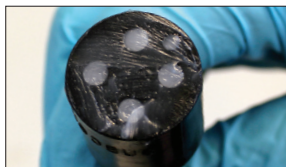
- Connectors must be greased with MOLYKOTE® 44 Medium before every mating
- Always grease O-rings on BH, BCR and FCR connectors with Molykote 111
- Disconnect by pulling straight out, not at an angle
- Do not pull on the cable and avoid sharp bends at cable entry
- When using a bulkhead connector, ensure that there are no angular loads
- Make sure to apply the recommended torque when tightening bulkhead nuts
- SubConn connectors should not be exposed to extended periods of heat or direct sunlight. If a connector becomes very dry, it should be soaked in fresh water before use
- All current ratings are based on the connector being submerged in water
- The locking sleeve must be hand-tightened only

Greasing and mating above water (dry-mate)



- Connectors must be greased with MOLYKOTE® 44 medium before every mating
- A layer of grease corresponding to a minimum of 1/10 of the socket depth should be applied to the female connector
- The inner edge of all sockets should be completely covered, and a thin layer of grease left visible on the face of the connector
- After greasing, fully mate the male and female connector in order to secure optimal distribution of grease on all contacts and in the sockets
- To confirm that grease has been sufficiently applied, de-mate and check for grease on every male contact. Then re-mate the connector

Greasing and mating under water (wet-mate)



- Connectors must be greased with MOLYKOTE® 44 medium before every mating
- A layer of grease corresponding to approximately 1/3 of a socket depth should be applied to the female connector
- All sockets should be completely sealed, and a transparent layer of grease left visible on the face of the connector
- After greasing, fully mate the male and female connector and remove any excess grease from the connector joint

Scan to access SubConn® greasing and cleaning instruction videos





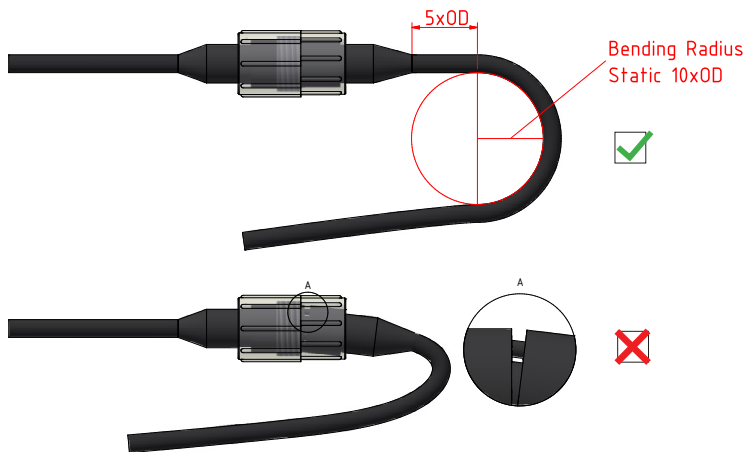
- * General cleaning and removal of any accumulated contaminations on a connector should be performed using spray-based contact cleaner (Isopropyl alcohol)
- New grease must be applied again prior to mating

Thread locking of connectors:

- All threads shall be clean and free of any foreign particles
- Ensure the threaded hole is clean and free from foreign particles
- For locking metallic connectors, the use of LOCTITE® 243 is recommended
- Always use LOCTITE® 5970 to lock non-metallic (PEEK) connectors

Note: Acetone creates stress-induced cracking in PEEK material

Inline recommended bending radius



Recommended oil for pressure-balanced systems

- MacArtney recommends DC-200/350 or PMX-200/350 in oil-compensated systems

Additional coax information

- Dry mating only
- Not suitable for open-face pressure or water-block applications
- Locking sleeves are required
- A dummy connector is required when coax connectors are unmated

Greasing of coax

- Avoid greasing the actual coax, only grease the rubber parts
- After greasing, fully mate the male and female coax connector
- To confirm that grease has been sufficiently applied, de-mate and check for grease on every male contact, and confirm nothing has been applied to the coax. Then re-mate the connector



MOLYKOTE® 44 Medium