

Maintenance of Cuplas

Cuplas should be inspected periodically to ensure safe operation and to prevent a drop in performance or faulty action. If you notice something abnormal or obviously worn-out, please replace it with a new one or contact Nitto Kohki or the shop where you bought it.

O-ring replacement procedure

The internal O-ring is a consumable item. If leakage occurs due to the O-ring in the socket with wear and tear or deterioration, take the following steps to replace with a new one.

Accessories for O-ring maintenance

Grease for O-ring

- GRE-M1 (mineral oil) for NBR・FKM
- GRE-SI (silicon oil) NBR, FKM and EPDM

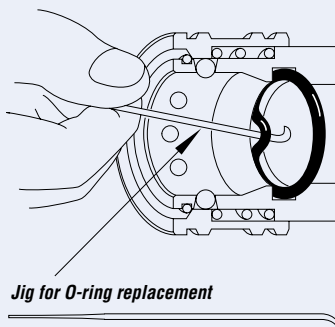


Jig for O-ring replacement



How to take out the O-Ring

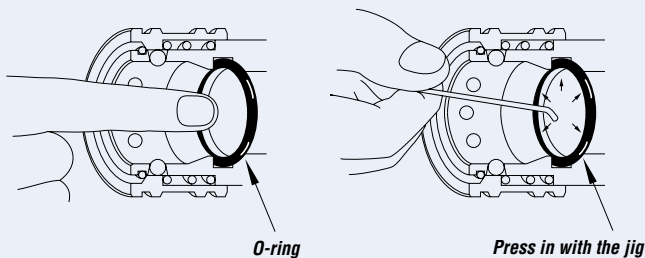
- 1 Use an optional "Jig for O-ring replacement" to remove the O-ring. Even used O-rings with wear and tear or deterioration can be removed easily with the jig.



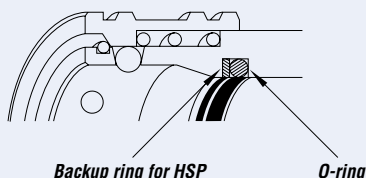
- 2 After removing the O-ring, wipe the groove clean with a cloth.

Install a new O-ring

- 1 To fit a new O-ring, press in one part of the O-ring and the remaining part can be easily pressed in with the jig.



- 2 A HSP Cupla has a backup ring. Insert an O-ring in the place shown in the figure. If Cupla connection/disconnection is hard and not smooth after the O-ring has been replaced, apply a little grease to the O-ring.

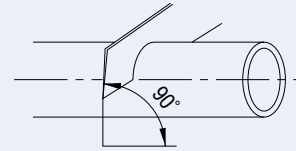


Semicon Cupla SCF Type

How to attach a tube to the socket

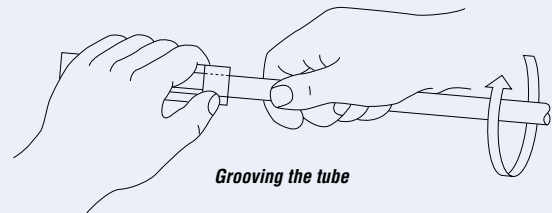
1 Cut the tube

Cut the tube (PFA) as shown below with a cutter blade or a knife.



2 Groove the tube

Insert the tube to the hilt into the special jig (see the below figure.) and keep the jig's cutter blade pressed down while you rotate the tube about 1-1/2 turns. It will give you complete groove on the tube good for ferrule mount. Special jigs to suit different tube sizes are available in the market as indicated below.



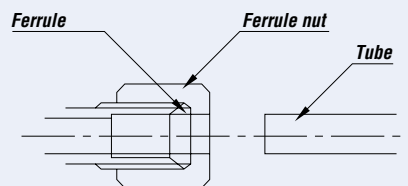
Special jigs

Socket type	Tube size	Jig Model No.
SCF-2SL-N08	ø8 × ø6	T-8
SCF-3SL-N10	ø10 × ø8	T-10

You may buy the jigs through Nitto Kohki.

3 Inserting the tube

Insert the grooved tube firmly into the Cupla. In this procedure, be careful not to take out the ferrule nut.



Note ferrule position (taper facing towards Cupla)

4 Tightening the nut

After lightly tightening the ferrule nut with your fingers, further turn it another 1-1/2 turns with a spanner tool. Be careful not to over-tighten.