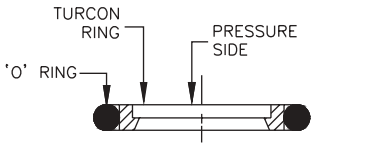
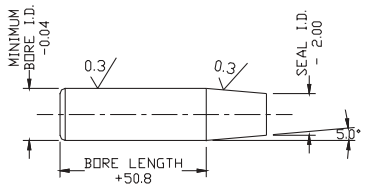
Installation Procedure for Rod Seal

PREAC FLUID POWER

Before you begin:

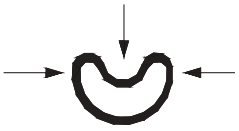
- It is essential that the cylinder tube & piston rod are chamfered.
- Sharp edges must be deburred & filleted or chamfered.
- The crests of threads must be covered.
- Any dust, splinters or other foreign particles must be carefully removed.
- Do not use tools with sharp edges.
- Before assembly, the cylinder, piston rod & seals must be oiled. (Oil used for lubrication must not contain any solid additives)
- Turcon rings can be expanded easily.
- Using a resizing tool as shown in the drawing is recommended.





Resizing Tool

Free state turcon Seal Ring



Collapse to kidney shape

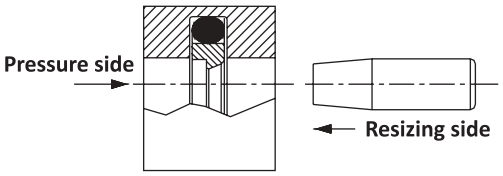
1. Rod step seal installation data (RSSN-XXX)

Step 1: Clean & Lubricate all cylinder parts, seal components & the resizing rod.

Step 2: Place the 'O' Ring into the groove and ensure it is seated properly without twisting.

Step 3: Collapse the Turcon seal to a kidney shape, ensuring the Turcon seal ring is not creased. Place into groove as shown. If possible use fingers to smooth out the ID of the Turcon seal ring after installation.

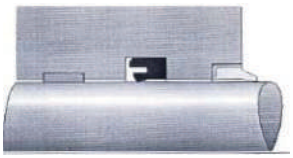
Step 4: Twist and push the resizing tool into the bore. Remove the resizing tool from the bore after a short duration.



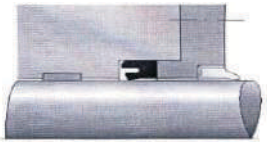
RSSN

2. Rod U-Cup seal installation data (RUCP-XXX)

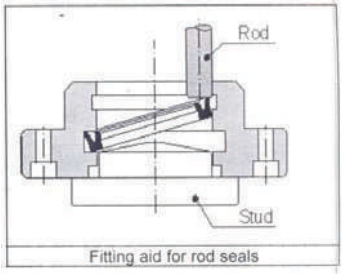
The snap-in fitting, in single piece housings (Installation recommendation I), can be made easier through suitable fitting tools. U-Packing of 35mm diameter (profile thickness 5mm) up to nominal diameter 80mm (profile thickness 10mm) are snapped into the non-split grooves. For this, the ring is formed into a kidney shape & pushed into the rod guide. The tool is withdrawn after the seal snaps into the groove. A further possibility for snap-in fitting of rod seals, exists in the application of a suitable plug and a rod. Here, the seal is first positioned by hand to one side of the groove and then pushed with a rod until it snaps into the groove.



Installation Recommendation I
Snap-in fitting into a non-split housing



Installation Recommendation II
Snap-in fitting into a split housing



RUCP