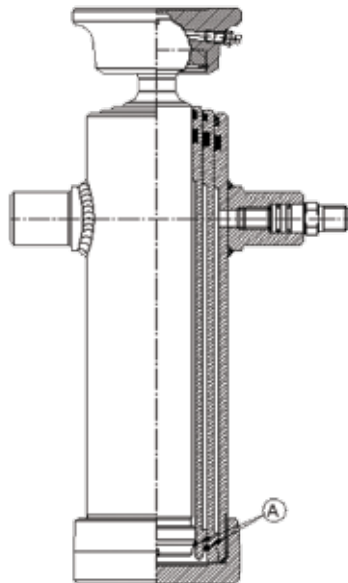


CYLINDER DISASSEMBLY:



Unscrew the base pad by turning it anti-clockwise using a strap or chain wrench.

Remove the spring steel stop rings (see point A on drawing). Use a screwdriver, taking care not to damage the bore or clip groove.

Now the stages can be removed. Be careful not to scratch the outside surfaces.

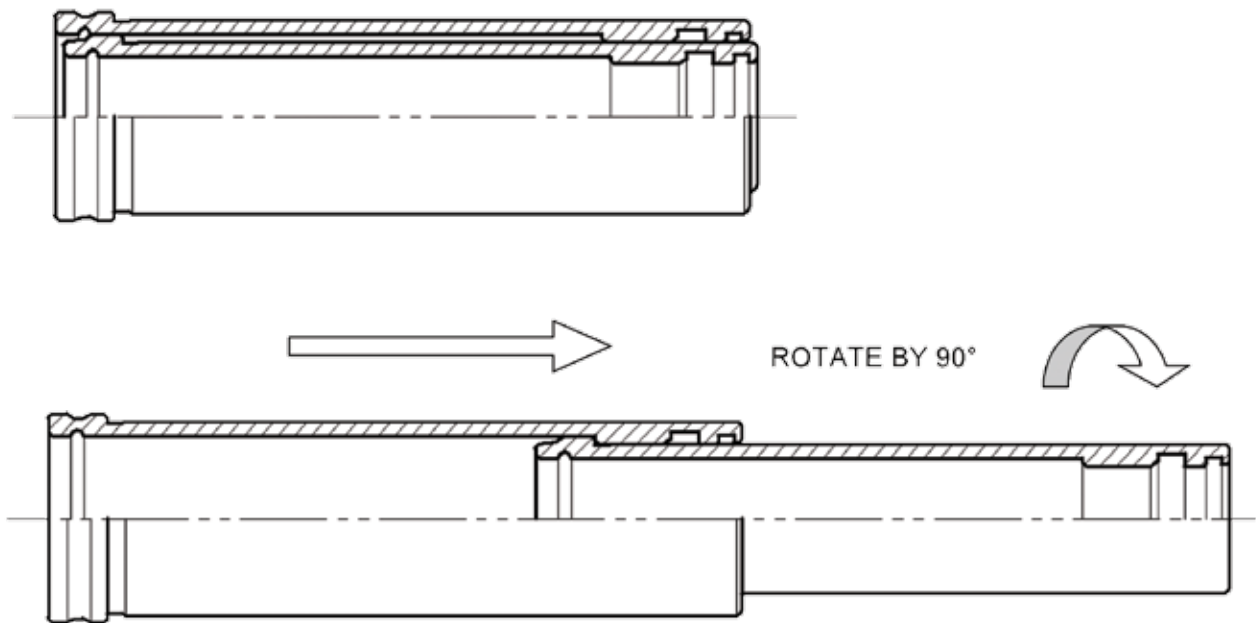
CYLINDER PARTS:



- Ball socket
- Half rings
- Retaining clip
- Rod
- Stages
- Outside body
- Base pad
- O-ring
- Seals
- Wiper seals
- Spring steel stop rings

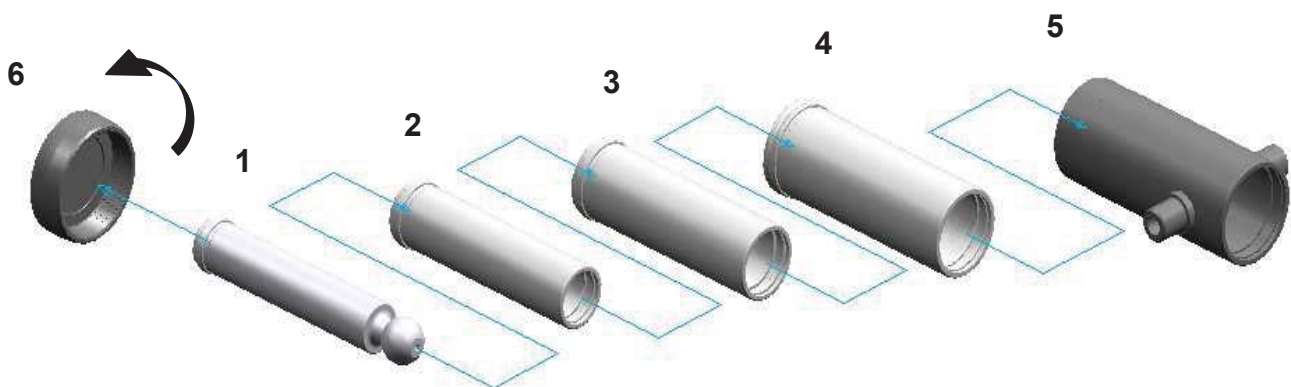
REPLACEMENT OF CYLINDER STAGES:

Before fitting the seals, slide the stages into each other as far as the end of the stroke, as shown in the drawing.



Let the stages slide as far as the upper guide then rotate by 90° and test again. If the movement is not smooth enough, clean the upper guide and polish if necessary.

The cylinder is assembled in the following order:

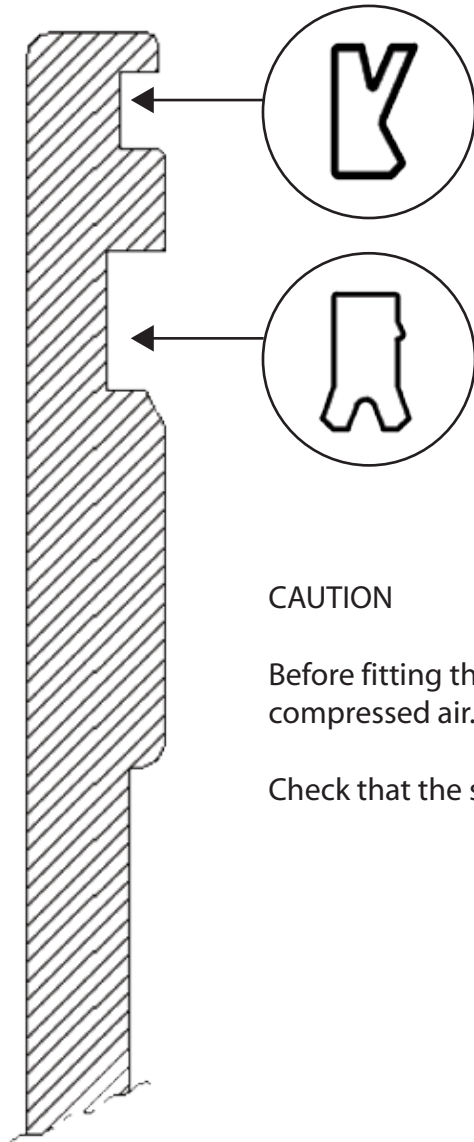


After fitting the seal and wiper, grease the upper guides of each stage with a brush and check that the leading chamfer of the rod or stage tube does not damage or distort the seal, this should make assembly easier.

Grease the thread before screwing on the base pad.

ALWAYS remember to fit the o-ring into the base pad. Take care to ensure the o-ring is fitted fully into the corner of the base pad.

REPLACEMENT OF SEALS:



Double lip polyurethane wiper seal.
Fit with lip up as shown.

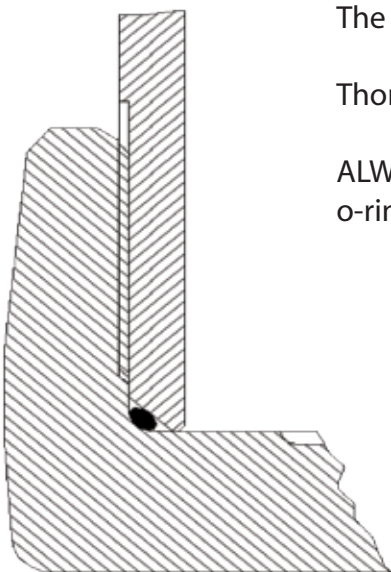


Polyurethane main hydraulic seal.
Fit with lip down as shown.

CAUTION

Before fitting the seals, thoroughly clean the groove using clean cloth and compressed air.

Check that the seals are not worn, cut or damaged.



The base pad is provided with a standard o-ring.

Thoroughly clean the thread of the ring nut with compressed air.

ALWAYS remember to fit the o-ring into the base pad. Take care to ensure the o-ring is fitted fully into the corner of the base pad.

