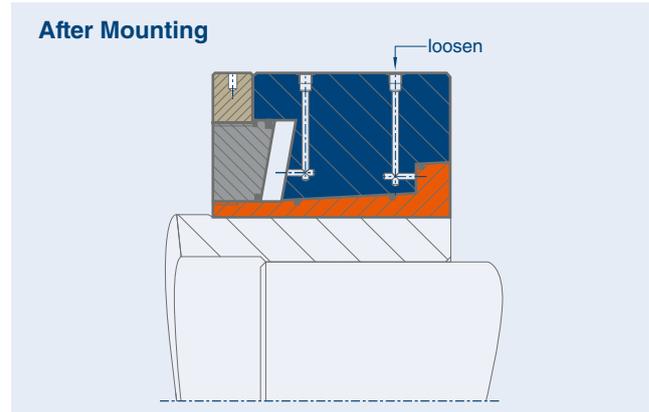
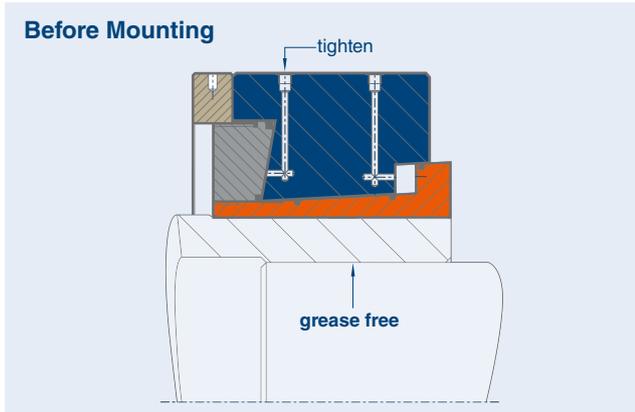


## Mounting and Removal Instructions for

# STÜWE® Shrink Disc Type HYD 22



## Mounting

The STÜWE® shrink discs type HYD are supplied ready to be mounted. The pressure chamber contains hydraulic oil.

1. Shaft and hub must be absolutely free of grease in the fit area. Full torque transmission is absolutely dependent on this measure. Do not use contaminated cleaning solvents and unclean rags.
2. Slide the shrink disc onto the hub. The outer surface of the hub may be greased.



**The shrink disc has to be in contact with the hub on its full length. Do not tighten the shrink disc before the shaft is mounted!**

3. Fit the shaft or slide the hub onto the shaft.
4. Remove screw plugs from the "Spannen" (Tighten) and "Entspannen" (Loosen) connections. Collect any oil leakage.
5. Connect pressure line to the connection marked "Spannen" (Tighten).
6. Tighten the shrink disc by applying hydraulic pressure. The correct tightening force is reached as soon as the end faces of the outer and inner ring are aligned (visually observed to be flush). **Maximum allowable hydraulic pressure is 450 bar!**
7. Tighten the ring counter nut by hand against the outer ring.
8. Release the hydraulic pressure. The ring nut will then be tightly pressed against the outer ring due to the stored energy.
9. Replace the screw plugs to retain the hydraulic oil in the shrink disc.

## Dismounting

1. Remove screw plugs from the "Spannen" (Tighten) and "Entspannen" (Loosen) connections. Collect any oil leakage.
2. Connect hydraulic pump to the "Spannen" (Tighten) connection. Increase the hydraulic pressure (**max. 450 bar!**) until the ring nut can be loosened by hand.



**Make sure that a minimum of two turns remain connected when loosening the ring nut. Otherwise the nut might fall off! This could be dangerous and result in injury.**

3. Release the hydraulic pressure and then connect pump to the "Entspannen" (Loosen) connection.
4. Increasing the oil pressure (**max. 450 bar!**) will initiate the release of the connection. **As soon as the outer ring starts sliding towards the ring nut reduce the oil pressure immediately to max. 150 bar.** When the outer ring reaches the support ring the oil pressure will automatically increase. **At this point fully release the oil pressure. Make sure the oil pressure does not exceed 180 bar.**
5. The connection is loose now. Collect oil leakage coming out of the "Spannen" (Tighten) connection.
6. Leave all hydraulic oil within the shrink disc and replace the "Spannen" (Tighten) and "Entspannen" (Loosen) screw plugs so that the shrink disc is oil tight.
7. Remove the shaft or slide the hub off the shaft. Prior to removal clean off any rust from the shaft in the immediate vicinity of the hub.
8. Remove the shrink disc off the hub.