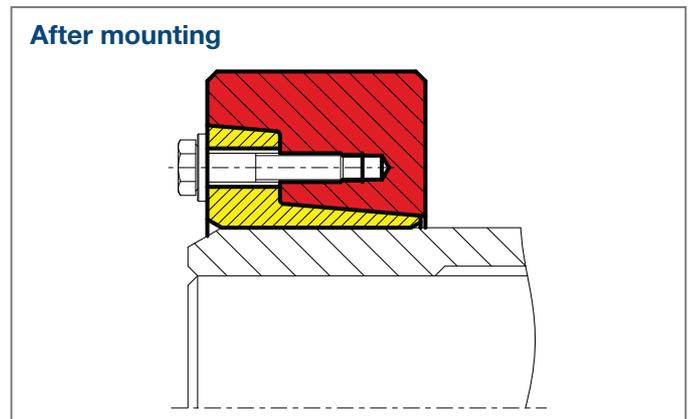
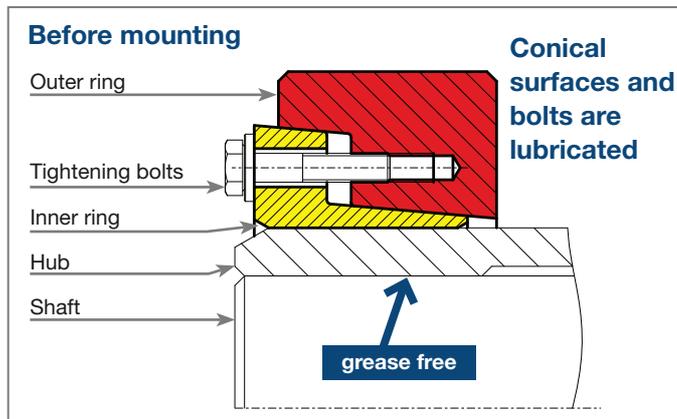


Mounting and Removal Instructions for Shrink Disc Type HSD



Mounting

The STÜWE® shrink discs type HSD are supplied ready to be mounted. Therefore they should not be dismantled prior to employing the unit for the first time.

1. Degrease shaft and hub bore.
The outer surface of the hub may be greased.

2. Slide shrink disc onto hub.



Do not tighten the tightening bolts before the shaft is mounted.

3. Fit the shaft or slide the hub onto the shaft.
4. Tighten four bolts distributed evenly over the circumference by reduced torque (approx. 50 to 70 % of maximum tightening torque).
5. Afterwards tighten all tightening bolts uniformly, one by one, over several revolutions until the outer ring and inner ring are flush.
This indicates that the full transmissible torque is achieved.
6. Check each tightening bolt twice for the required tightening torque.

Dismounting

This is similar to mounting.

1. Loosen all tightening bolts, initially not more than a quarter turn per bolt, one after one.



Under no circumstances should the locking bolts be completely removed as this could be dangerous and result in injury.

2. Should the outer ring, when loosening the bolts, not slide automatically from the inner ring, this can be assisted by removing those locking bolts adjacent to the tapped bores provided for jacking purposes and screwing them into these. The jacking procedure must be continued until a complete release of the outer ring is achieved.
3. Dismount shaft or draw off hub. Remove rust which may have formed on the shaft in front of the hub.
4. Remove shrink disc from hub.

Cleaning and lubrication

Dismounted shrink discs do not have to be dismantled and re-lubricated before remounting.
The shrink disc has to be cleaned and re-lubricated only if employed in dirty environment.

Use a solid containing lubricant with a high content of MoS₂ and a coefficient of friction of $\mu=0,04$ to lubricate the conical surfaces.

Usually a combination of bonded coating and paste is chosen.

The bolts have to be renewed if possible.

The bolts are lubricated with commercially available bolt lubricants ($\mu=0,1$).

Examples:

Lubricant	Source
Molykote D 321 R (bonded coating)	Dow Corning
Aema-Sol MO 84-K (bonding coating)	A.C. Matthes
Molykote G Rapid + (paste)	Dow Corning
Aema-Sol M 19 P (paste)	A.C. Matthes