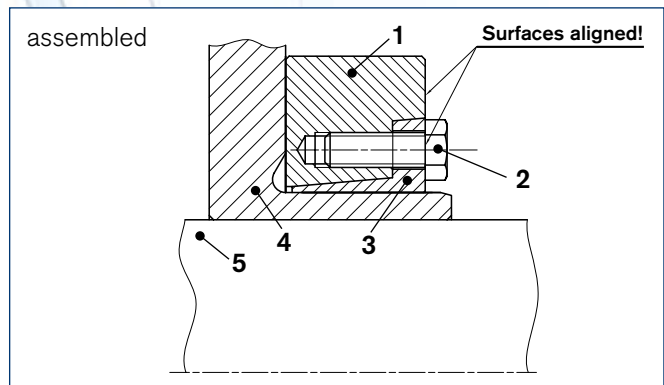
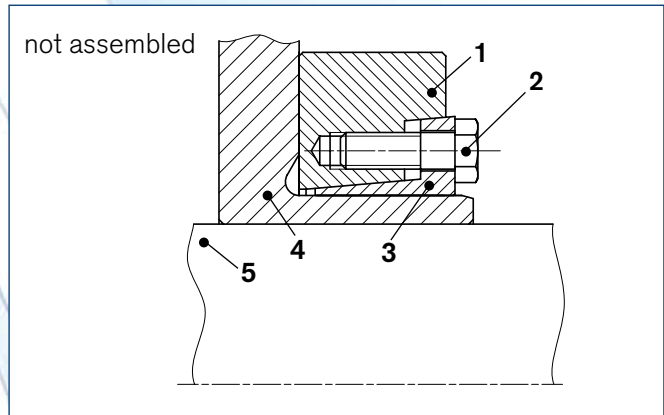


2-part design



Shrink Discs® RfN 4171/4161/4181: designation of the parts

- 1 outer ring
- 2 locking screw
- 3 inner ring
- 4 hub
- 5 shaft

Installation and removal instructions

Shrink Discs® 4161, 4171, 4181

Installation

1. Clean the area on the hub where the Shrink Disc® will be seated and oil to ease assembly, if necessary.
2. Sliding the Shrink Disc® onto the hub.
Attention: Do not start tightening before the shaft is in the bore of the hub; this may cause permanent deformation.
3. Slide the hub onto the shaft and position as required. Use a thin oil to lightly lubricate the hub bore and shaft to facilitate assembly.
Attention: Do not use lubricants containing MOS2.
4. Tighten 3 or 4 locking screws that are equally spaced around the diameter to establish a parallel position of the Shrink Disc® inner relative to outer ring. This step properly seats the the taper of the inner ring.
5. Using a torque wrench, tighten all locking screws gradually and in sequence all the way around (not in a diametrically opposite sequence). Several passes may be required until all screws are torqued to the specified tightening torque (T_A).
6. Verify that the screws are completely tight by applying the specified tightening torque (T_A).



- Assembly, using a torque wrench:
Check torquing of the bolts in sequence of their positions. Assembly is only complete once all the bolts have been torqued as specified.



- Assembly, without a torque wrench:
Assembly is complete once the faces of the inner and outer rings are aligned flush.

Removal

1. Gradually release the locking bolts all the way around. Begin by releasing each bolt only about one quarter of a turn.
2. If the Shrink Disc® does not loosen, back all screws out until there is a gap between the head of the bolts and the Shrink Disc® face.
3. Completely remove a few screws and thread them into the adjacent removal threads roughly equally spaced around the diameter. Use these fasteners to push the inner ring away from the outer collar until the Shrink Disc® is loose on the shaft.



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