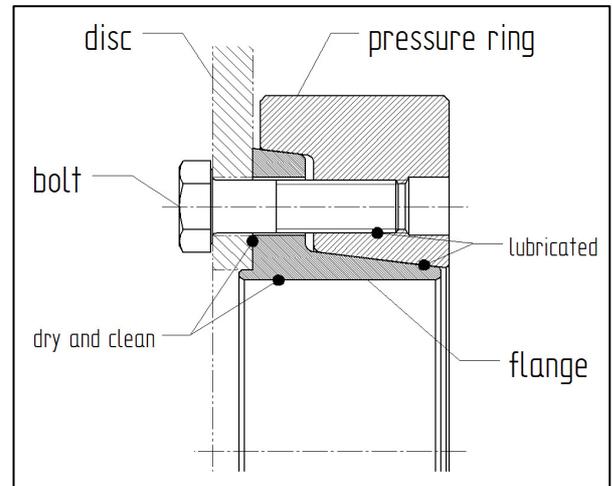


Instructions for Installation, Removal and Maintenance of Connection Flange Type AF and AFS

All connection flanges are delivered ready to install. The force is transferred by pressure and friction between the contact surfaces of the connection flange, shaft and connected part. Pay particular attention to the properties of the contact surfaces (see *Preparation*) and ensure that the clamping bolts are tightened in a controlled manner. Observe the specified tolerances for the shaft and connected part. **Contrary assembling instructions on dimensional drawings or class approval, for individual products, have priority!**

Preparation:

Ensure that the contact surfaces (*between the shaft and flange*) are clean and grease-free, to achieve sufficiently high friction. Lubricate functional surfaces of connection flange (cones) as well as threads and head contact surfaces on all bolts. **After removal check again to ensure that these parts are lubricated properly.** Use molybdenum sulfide (*MoS₂*) paste as lubricant. (e.g. *MOLYKOTE G-Rapid Plus* or similar)



Installation:

1. Position connection flange and connected part on shaft. (*We recommend disassembling of large connection flanges for installation to avoid damage to the contact surfaces and facilitate pushing it on.*)
2. Tighten bolts **hand tight** in criss-cross pattern, to eliminate play in connection flange. Ensure that pressure ring and flange remain parallel to one another!
3. Continue to tension using a **torque wrench** or other suitable tool/method. Tighten the bolts **in increments (25%, 50%, 75%, 100%) in a number of passes**. The required tightening torque is given on the connection flange and on the associated dimension sheet.

Only Type AFS:

4. Position connected part and screw in required bolts separately. Tighten to specified tightening torque in a number of stages (*in same manner as previously*). Tighten bolts in criss-cross pattern. Installation is then finished.

Removal:

1. Loosen bolts for connected part and remove connected part (only Type AFS).
2. Loosen bolts on pressure ring **uniformly** in sequence. Note that it is necessary to loosen the bolts in a **number of passes around the circumference** to prevent subjecting individual bolts to an overload when releasing the pressure ring. **Do not remove any bolts** before the tension on the connection flange is relieved completely. **This would otherwise pose an accident hazard!**
3. After completely relieving tension on connection flange, remove connection flange from shaft.
4. Before reusing, clean the connection flange and **ensure that all components are in perfect condition**. Prepare shaft and connection flanges as specified in these instructions.