

## Installation

The reliable function of an O-ring depends on the correct installation. The O-ring must not be damaged during installation.

The following points are important for the installation of O-rings:

- Before the seal is installed, all components should be cleaned from machining residue, e.g., chips and contamination of any kind.
- The seal and the installation groove should be lubricated with suitable grease before the installation (check lubricant for compatibility with the sealing material).
- All components of the installation groove should have lead-in chamfers.
- Sharp edges should carefully be deburred or - better even - avoided by the designer by providing suitable chamfers or radii.
- Seals should in no case be drawn over sharp edges. Threads, key grooves, boreholes, etc. should be covered during installation of the O-ring. We recommend using installation sleeves or installation mandrels.
- Make sure not to damage the O-ring when you expand it for installation (especially small O-rings).
- Heating to approximately 80°C in oil or water facilitates expansion and recovery of the O-ring.
- The O-ring should not be rolled during installation and not be twisted when it rests in the groove.

