



INSTALLATION INSTRUCTIONS

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1 Handling & inspection

- Unpack the seals only ahead of installation in order to limit the possible damage caused by environmental circumstances.
- Only handle the seals by hand, preferably with gloves, and avoid sharp tools that can damage the seal surface.
- Inspect the seals for deterioration, scratches, deformation or imperfections. Any aberrant characteristics can render the seal useless or increase the risk for leaks.
- Seals can be cleaned for installation using dust free cloths and acetone or IPA.

2 Installation

- The mating surfaces of the sealing area should be smooth, clean and free of dust, burrs and sharp edges
- The installation in split grooves is the easiest
- Seals can usually be installed in partially closed grooves (with retainer) without problems
- Depending on diameter and cross section, the type 103 seals can be installed in closed (nonsplit design) grooves. In such cases, we recommend contacting our Technical Service
- Lead-in chamfers should be present for shafts and cylinders
- When assembling over grooves and threads, a sleeve should be used to protect the seal
- Light oiling or greasing makes the assembly easier
- The installation should be performed carefully to prevent damage or scratches
- Flange bolts should always be tightened in a crosswise fashion to ensure that the seal is compressed uniformly

IMPORTANT

All recommendations and data provided in these installation instructions are based on the experience gained over decades of using seals in professional environments.

Unknown factors and special conditions may restrict the generally valid promises. We are not able to guarantee every individual application. We strongly suggest performing tests with samples to ensure applicability and reliability in special conditions.

Our application engineers are always at your disposal for design and consultation. Don't hesitate to use our experience. If in doubt, please call or write us.