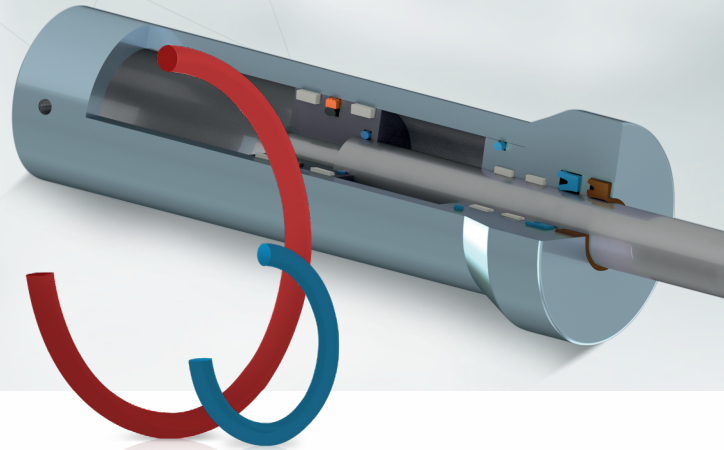


O-rings



- Outstanding sealing ability
- Wide range of fluid compatibility
- Lowest values for permanent set (compression set)
- Robust and wear-resistant
- High resistance to explosive decompression in gas applications
- Excellent assembly ability
- For extended requirements in food technology, a suitable material solution is available.
- Custom dimensions can be delivered quickly using our turning capabilities

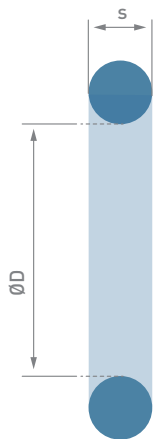


Fig. 1 Cross section of the O-ring

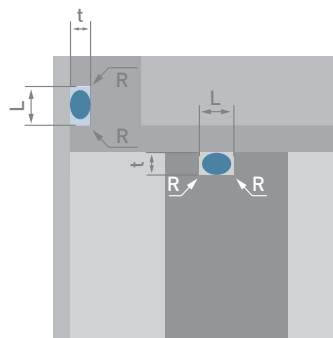


Fig. 2 Cross-section of the installation situation

Installation instructions

Although the geometry and all FiPur® materials are very robust. Avoid running the O-ring over sharp edges while assembling. Sharp edges can result in damage to the O-ring sealing surface.

Product Catalog



For over more than 100 years the expectation of simple and safe assembly the current geometry and design is unchanged. When using FiPur® O-rings customers will not be disappointed.

FiPur® O-rings are very extrusion-resistant in most applications without using a back-up ring. The sum of all properties offers the user a maximum of functional reliability and product service life, even under aggressive operating conditions.

The robust material also enables the use of FiPur® O-rings in dynamic applications such as valves and separated pistons.

Application examples

Static sealing from cylinder to cylinder head and cylinder base, valve housings, flange connections in:

- Mobile and stationary hydraulics
- Piston pumps
- Industrial gas springs
- Lockable gas spring

Technical Data

Operating Temperature	- 35°C - + 110°C - FiPur® 100 - 50°C - + 110°C - FiPur® 110
Pressure	max. 600 bar
Sliding Speed	≤ 0,5 m/s
Medien	Hydraulic oils based on mineral oil Aqueous pressure media (HFA, HFB, HFC)

Materials

FiPur® 100 a high tear resistant polyurethane for applications in mobile-hydraulics, pneumatics and fluid power applications. FiPur®100 has been tailor-made for low swelling rates in mineral oils.

FiPur® 110 was developed for applications for extremely cold temperatures without altering its sealing characteristics.