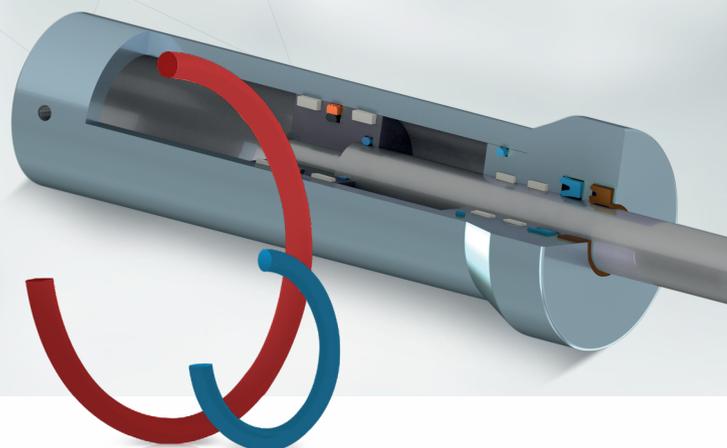


# O-rings



- 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

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

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

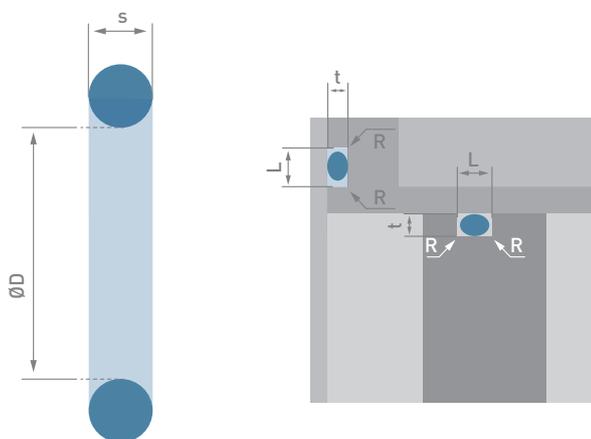


Fig. 1 Cross section of the O-ring

Fig. 2 Cross-section of the installation situation

## Installation instructions

Although the geometry and all FiPur<sup>®</sup> 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



## Materials

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

**FiPur<sup>®</sup> 110** was developed for applications for extremely cold temperatures without altering its sealing characteristics.