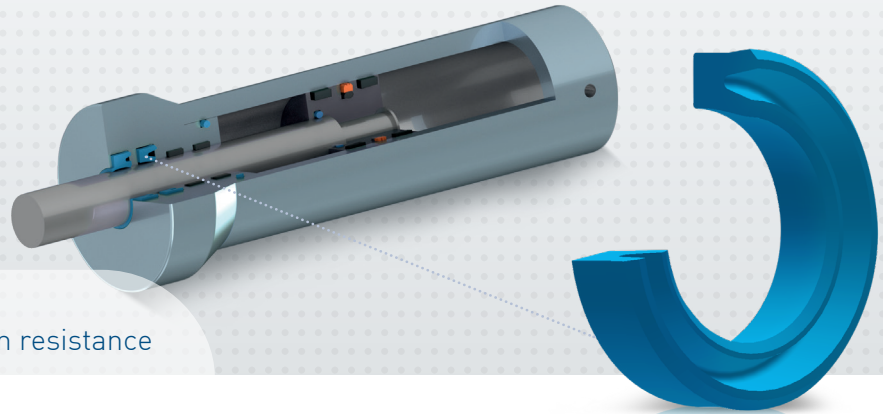




FiPur®

Rod Seals ISO Grooves



- Outstanding abrasion and extrusion resistance
- Wide range of fluid compatibilities
- Materials available for extended fluid compatibility required in food technology and biodegradable hydraulic media
- Ease of installation and assembly
- Custom dimensions can be delivered quickly by lathe cutting capabilities

The FiPur® preferred dimensions of the rod seal profile *RS fit in the grooves according to ISO 5597. Like all sealing elements of the FiPur® product family, the components are extremely robust and offer the user maximum functional reliability, even under aggressive operating conditions. The primary task of this sealing profile is to keep the cylinder free of leakage even under the influence of changing ambient temperatures, diverse working conditions and acting lateral forces.

As a result, the environment will be protected by leak-free seal performance.

Application examples

The primary task of the FiPur® Rod Seal is to protect the hydraulic cylinder against leakage and they are used in:

- Mobile and stationary hydraulics
- Piston pumps
- Gas springs

The highest requirements for leak-free hydraulic systems exist in the following areas:

- Hydraulic systems in the food processing industries
- Hydraulic cylinders in critical industrial areas
- Agricultural and forestry machines
- Earth moving machines
- Use in water protection areas

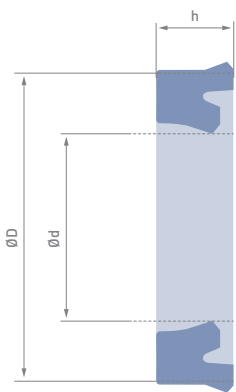


Fig. 1 Cross section of the rod seal

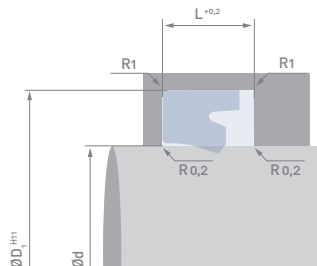


Fig. 2 Cross-section of the installation situation

Installation instructions

The profile snaps into the standard grooves according to ISO 5597. For fully functionality rod seals always need axial clearance.

Avoid running the wiper over sharp edges while assembling. Sharp edges can result in damage of the trimmed seal lips.

Technical Data

Operating Temperature	-35°C - +110°C
Sliding Speed	≤ 0,5 m/s
Media	Hydraulic oils based on mineral oil ** biodegradable media

*RS= Rod Seal **when using FiPur® 200

