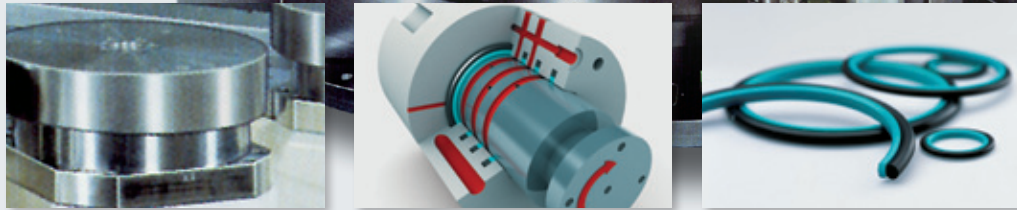




Zurcon® Roto Glyd Ring® S



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The new Zurcon® Roto Glyd Ring® S comprises a polyurethane profile ring and an elastomer energising ring. The seal is double-acting and can be exposed to pressure from one or both sides.

Application examples:

- for sealing shafts, rods and rotary transmission leadthroughs with slow rotary or oscillating movement
- can also be used to seal rotary joints at increased rotating speeds even when exposed to pressure, e.g. rotary indexing tables
- rotary connections with swivel movement, even when exposed to high pressure, e.g. clamping units

Advantages:

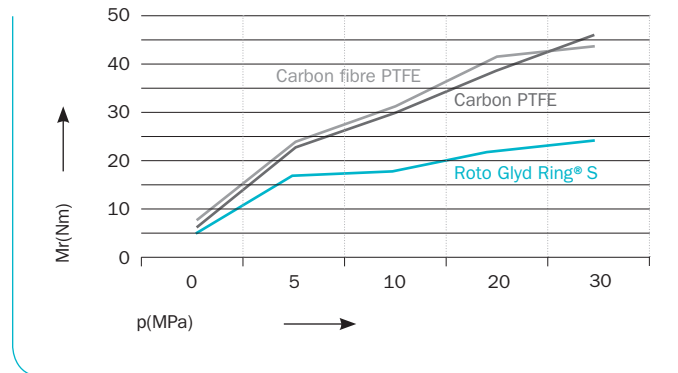
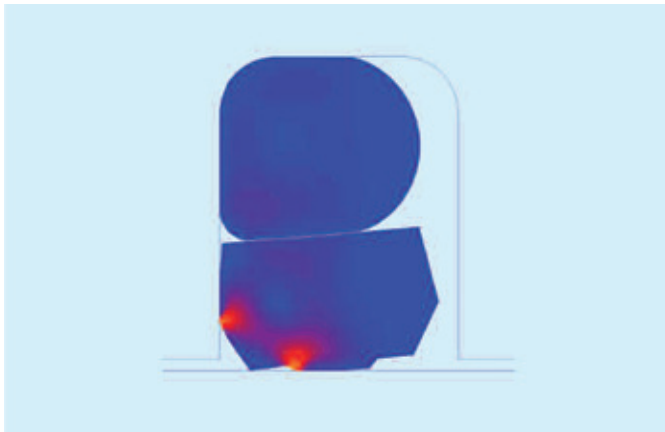
- available for inside and outside sealing
- low friction
- extremely wear-resistant
- high extrusion resistance
- simple groove design
- easy to assemble, no recalibration required
- the excellent lubrication conditions and hydraulic pressure balance can significantly improve friction and wear characteristics and therefore service life

ZURCON® ROTO GLYD RING® S COMPOUND DATA

Reduced contact surfaces under all operating conditions significantly improve friction and wear characteristics. When exposed to low pressure, only the central section of the seal comes into contact with the mating surface.

As the system pressure increases, the sealing ring is tilted slightly generating the hydrostatic pressure balance in the sealing gap. Tilting the ring under pressure optimises the lubrication between the seal and the mating surface.

The fact that the profile is supported by a second edge restricts contact with the shaft, thereby significantly reducing friction and wear. The material used for the energising ring can be adapted to suit operating conditions. The angle on both sides of the polyurethane ring prevents extrusion into the extrusion gap.



MR comparison for 60 mm shaft at v = 0.1m/s in HLP 46 at 50°C

	Z 52	Z 80
Material	Polyurethane (PUR)	Ultrahigh molecular weight PE
Material hardness, Shore D	58	52
Pressure	up to 30 MPa	up to 30 MPa
Speed/Pressure (below 360°)	up to pv 6.5 MPa x m/s	up to pv 6.5 MPa x m/s
Temperature	- 30 to +100 °C	-30 to +80 °C
Media (hydraulic fluids)	<ul style="list-style-type: none"> • mineral oil base • synthetic and natural ester HEES, HETG up to +60 °C • lame-retardant hydraulic fluids HFA, HFC Z80 is recommended for sealing e.g. coolants or air 	

These indications are based on laboratory values. The application limits for pressure, temperature, speed and media are maximum values determined in the laboratory. During practical applications it should be remembered that due to the interaction of the operating parameters the maximum values must be set correspondingly lower. It is vital that customers satisfy themselves as to the suitability of individual products through adequate testing. For exceptional operating conditions please contact your Trelleborg Sealing Solutions representative. The data sheet is not subject to an updating service.



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