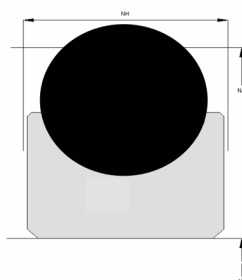


# Profile Data

## Rotary Seal R08



### Function

Rotary seals are designed to seal the pressurized hydraulic fluid against the atmosphere, preventing leakage and pollution of the environment or to transfer liquids and/or gases from a stationary part into or out of rotating machinery.

### Features

- ⇒ Asymmetrical, double acting rotary seal for inside sealing, designed with interference of the O-Ring on the OD and no interference of the PTFE glide ring on the ID.
- ⇒ Excellent sealing performance at low speeds with high pressure.
- ⇒ Peripheral grooves that enable the build up of a lubricant reservoir.
- ⇒ No tendency to “stick-slip” effect.
- ⇒ Low break-away load after long standstills.
- ⇒ Good gap extrusion resistance.

### Application

Slow moving shafts, pivoting movements, swivel or rotary joints.

Used as seal between two pressurized spaces.

Max. pressure 350 bar, max. speed 0.4 m/s.

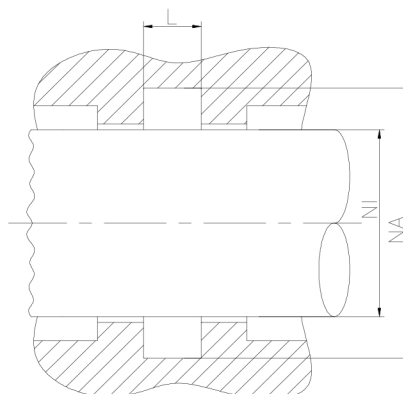
### Installation

Snap-in installation.

Attention: PTFE glide rings need calibration after installation!

### Seal housing recommendation

<b>Tolerances</b>	<b>[mm]</b>	
L	+ 0.2	
∅ NA	H 8	
∅ NI	f 7	
<b>Surface roughness</b>	<b>Rtmax [μ]</b>	<b>Ra [μ]</b>
Bottom of groove	≤ 10	≤ 1.8
Face of groove	≤ 15	≤ 3
<b>Sliding surface</b>	<b>Rtmax [μ]</b>	<b>Ra [μ]</b>
PU, elastomeres	≤ 2.5	≤ 0.1-0.5
PTFE	≤ 2	≤ 0.05-0.3



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