



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

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

Profile description

Rotary Seal
R08