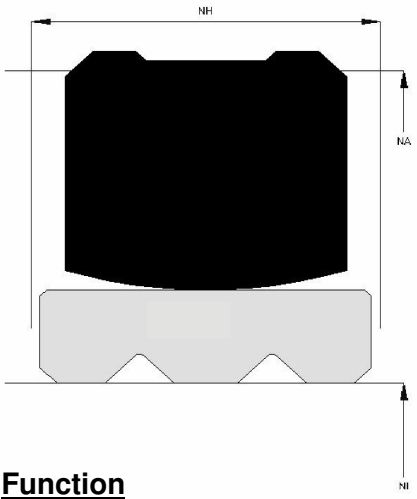

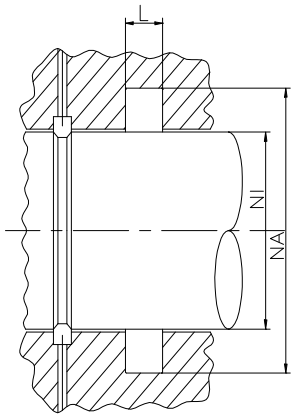

Function

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 preload element 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.
- ⇨ Especially for use in non standardized grooves.

Application

Slow moving shafts, pivoting movements, revolving distributors, swivel joints.
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 < 10mm	+ 0.2	
L ≥10mm	+ 0.3	
ø NA	H8	
ø NI	f8	
Surface roughness	**Rtmax [µ]**	**Ra [µ]**
Bottom of groove	≤ 6.3	≤ 1.6
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

R09A

07.06.2011