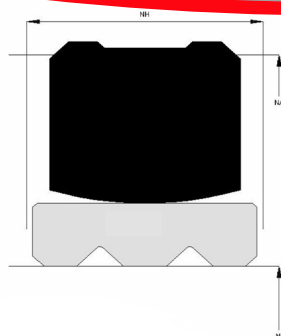


Profile Data

Rotary Seal R09A



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.

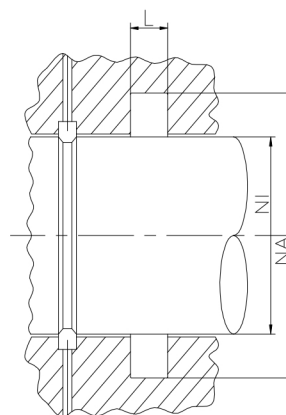
Installation

Snap-in installation.

Attention: PTFE glide rings need calibration after installation!

Seal housing recommendation

Tolerances	[mm]	
L < 10mm	+ 0.2	
L ≥ 10mm	+ 0.3	
∅ NA	H8	
∅ 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



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