

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:

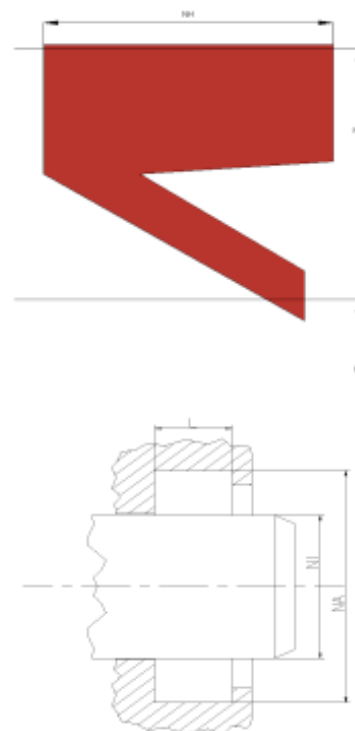
- The profile is designed with interference on the OD which provides a good static fit, preventing the entry of humidity and other contamination via the outside diameter.
- No spring preloaded sealing lip which enables a compact design.
- Small friction and low heat build-up.
- Not suitable for pressure from the trailing side.

Application:

Needle bearings, sealing of viscous media (f.e. grease), etc.

Useage as additional wiper.

Max. speed: PU 5 m/s; NBR 10m/s

**Seal housing recommendation:**

Tolerances	[mm]	
L	+ 0.2	
Ø NA	H 8	
Ø NI	f 8	

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	$\leq 0.1 - 0.5$
PTFE	≤ 2	$\leq 0.05 - 0.3$

Installation:

Snap-in installation