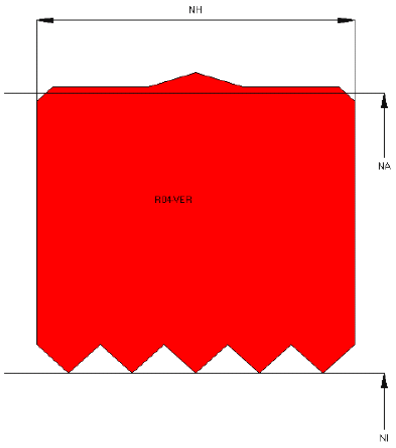

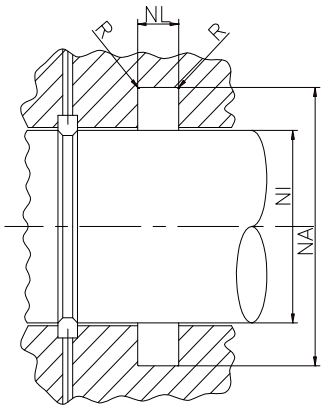

Function

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, designed with interference on the OD which provides a good static fit in the groove.
- ⇨ Dynamic sealing on the ID.
- ⇨ Excellent static and dynamic sealing performance.
- ⇨ Low friction.

Application

Slow moving shafts, pivoting movements, revolving distributors, swivel joints.
Universal rotary seal for minor work loads.
Max. pressure 160 bar, max. speed 0.2 m/s.

Installation

Snap-in installation.

Seal housing data

Tolerances	**[mm]**	
L < 10mm	+ 0.2	
L ≥10mm	+ 0.3	
ø NI	f 8	
ø NA	H 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	≤ 0.1-0.5
PTFE	≤ 2	≤ 0.05-0.3

R4A