

Function:

Rod seals are designed to seal the pressurized hydraulic fluid against the atmosphere, preventing leakage and pollution of the environment.

Features:

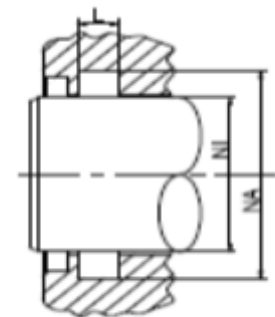
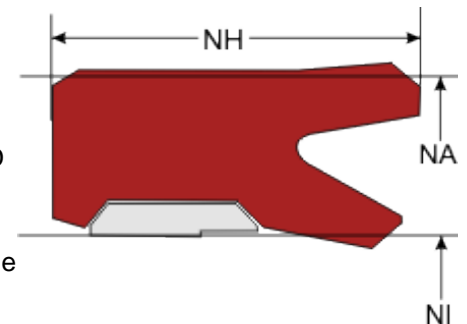
- Asymmetrical, single acting rod seal, designed with interference on the OD which provides a good static fit in the groove.
- Dynamic sealing lip shorter than static lip to avoid drag pressure.
- Improved sealing performance in pressureless condition because of the glide ring on the ID.
- Excellent static and dynamic sealing performance.
- Useable for long stroke lengths.
- Negligible tendency to „stick-slip“

Application:

Reciprocation rods in hydraulic cylinders, plungers.

Universal rod seal for larger extrusion gaps and higher load impacts.

Max. pressure 700 bar, max. speed 0.5 /s, depending on material selection.

**Seal housing recommendation:**

Tolerances	[mm]	
L < 10 mm	+ 0,2	
L e 10 mm	+ 0,3	
Ø NA	H10	
Ø NI	f 8	

Surface roughness	Rtmax [µ]	Ra [µ]
Bottom of groove	d 6,3	d 1,6
Face of groove	d 15	d 3

Sliding surface	Rtmax [µ]	Ra [µ]
PU, Elastomere	d 2,5	d 0,1 – 0,5
PTFE	d 2	d 0,05 – 0,3

Installation:

Snap-in installation.