



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

Installation

snap-in installation

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	≤ 0.1-0.5
PTFE	≤ 2	≤ 0.05-0.3

R8