



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 high pressures and low speeds, designed with interference on the OD which provides a good static fit in the groove.
- ⇒ Dynamic sealing on the ID.
- ⇒ Backup elements on the left and right side for maintaining the function also at large sealing gaps.
- ⇒ Excellent static and dynamic sealing performance.

Application

Slow moving shafts, pivoting movements, swivel or rotary joints.
Used as seal between two pressurized spaces.
Max. pressure 400 bar, max. speed 0.2 m/s.

Installation

Snap-in installation.
Backup elements shall not be split!

Seal housing recommendation

Tolerances	[mm]	
L	+ 0.2	
∅ NA	H 8	
∅ NI	f 7	
Surface roughness	Rtmax [μ]	Ra [μ]
Bottom of groove	≤ 10	≤ 1.8
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

Profile description

Rotary Seal
R03