



**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.
- ⇒ Solid version of OS01 profile for closed housings.
- ⇒ Tension spring for increasing the bonding force.
- ⇒ Not suitable for high pressure from the trailing side.

**Application**

Pumps, electric motors, swiveling cylinders, etc.  
 Max. pressure 0,5 bar, max. speed: PU 5 m/s; NBR 10m/s; FPM 25m/s.

**Installation**

snap-in installation

**Seal housing recommendation**

Tolerances	[mm]	
L	+ 0.2	
∅ NA	H 8	
∅ 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

**Profile description**

**Rotary Seal  
OS03**