

Rotary Seal XSOSPO

Function:

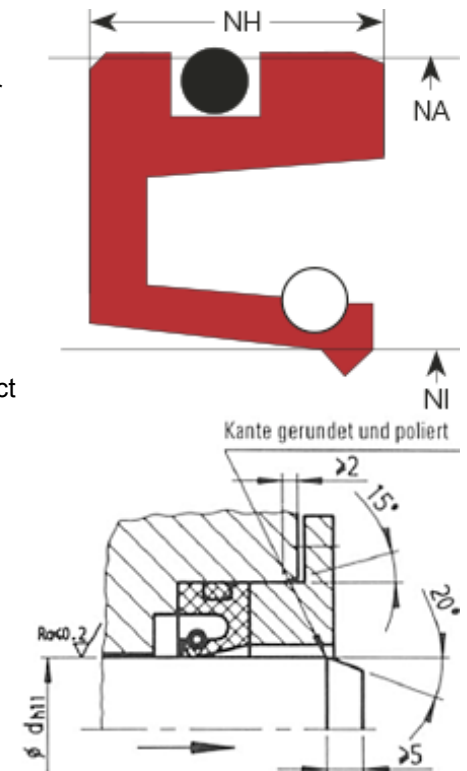
Rotary seals are designed to seal the pressurized hydraulic fluid against the atmosphere, preventing leakage and pollution of the environment or to transfer liquids and/or gases from a stationary part into or out of rotating machinery.

Features:

- The XSOSPO is a single action rotation seal with an outstanding lifespan.
- Very good dynamic sealing action supported by a pre-tension spring.
- O-Ring placed on outside diameter with double funktion: axial sealing and prevention of spiraling in the housing.
- Slight swelling of the FPM O-ring caused by the medium has no negativ effect on the sealing function.
- Eccentricity max. ± 0.05

Application:

For sealing of rotating and pivoting shafts, reciprocating and combined (lifting and rotating) movements.



Seal housing recommendation:

Tolerances	[mm]	
L	+ 0.2	
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Surface roughness	Rtmax [μ]	Ra [μ]
Bottom of groove	≤ 10	≤ 1.8
Face of groove	≤ 15	≤ 3

Sliding surface	Rtmax [μ]	Ra [μ]
PTFE	≤ 1	≤ 0.2

Installation:

The outside diameter of the PTFE component is produced with a plus tolerance and is centralized in the housing by press fitting. Axial protection must be undertaken on the non-pressure side in accordance with the operational pressure.