

Rotary Seal XSR08D

Function:

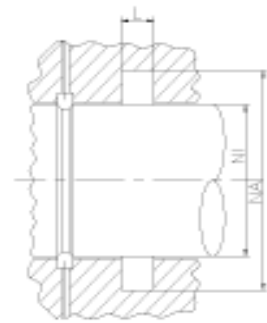
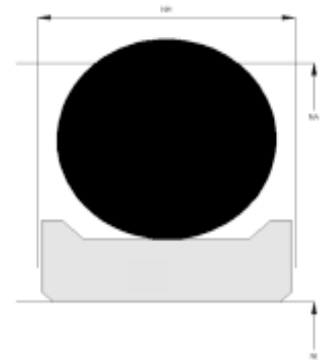
Rotary seals are designed to seal the pressurized hydraulic fluid against the atmosphere, preventing leakage and pollution of the environment or to transfer liquids and/or gases from a stationary part into or out of rotating machinery.

Features:

- Asymmetrical, double acting rotary seal for inside sealing, designed with interference of the O-Ring on the OD and no interference of the PTFE glide ring on the ID.
- Excellent sealing performance at low speeds with high pressure.
- No tendency to “stick-slip” effect.
- Low break-away load after long standstills.
- Good gap extrusion resistance.

Application:

Slow moving shafts, pivoting movements, swivel or rotary joints.
Used as seal between two pressurized spaces.
Max. pressure 350 bar, max. speed 0.4 m/s.



Seal housing recommendation:

| Tolerances | [mm] | |
|------------|-------|--|
| L | + 0.2 | |
| Ø NA | H 8 | |
| Ø 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 | $\leq 0.1 - 0.5$ |
| PTFE | ≤ 2 | $\leq 0.05 - 0.3$ |

Installation:

Snap-in installation.

Attention: PTFE glide rings need calibration after installation!