

Rod Seal XSR09T

Function:

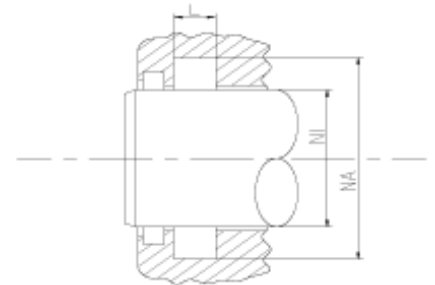
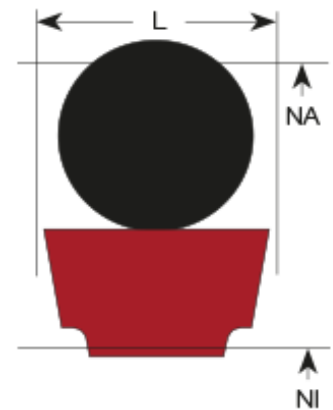
Rod seals are designed to seal the pressurized hydraulic fluid against the atmosphere, preventing leakage and pollution of the environment.

Features:

- Symmetrical, double acting rod seal, designed with interference of the O-Ring on the OD and slight interference of the PTFE glide ring on the ID.
- Excellent sealing performance in low and high speeds.
- Suitable for positioning functions.
- Negligible tendency to “stick-slip” effect, good sliding properties.
- Low break-away load after long standstills.
- Excellent gap extrusion resistance.

Application:

Reciprocating rods in hydraulic cylinders, plungers.
Dynamic seals in hydraulic systems.
Max. pressure 400 bar, max. speed 10 m/s.



Seal housing recommendation:

| Tolerances | [mm] | |
|------------|------|--|
| L < 10mm | +0.2 | |
| L ≥ 10mm | +0.3 | |
| Ø NA | H10 | |
| 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 |

Installation:

Snap-in installation.

Attention: PTFE glide rings needs calibration after installation!