

Piston Seal XSPS08

Function:

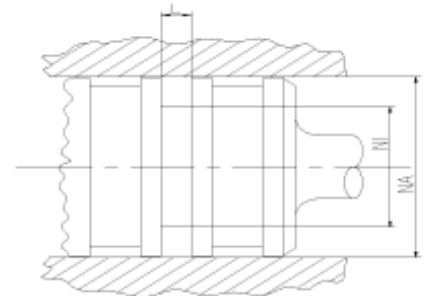
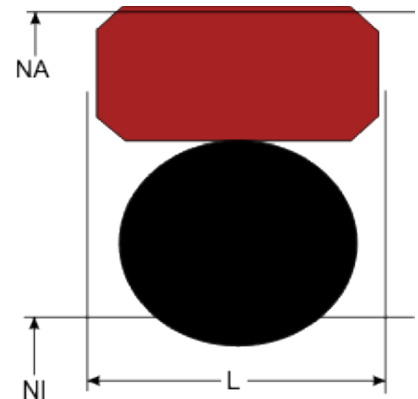
Piston seals are designed to seal the pressurized hydraulic fluid against the atmosphere or between two pressurized spaces.

Features:

- Symmetrical, double acting piston seal, designed with interference of the O-Ring on the ID and slight interference of the PTFE glide ring on the OD.
- 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 pistons in hydraulic cylinders, plungers.
Dynamic seals in hydraulic systems.
Max. pressure 400 bar, max. speed 15 m/s.



Seal housing recommendation:

Tolerances	[mm]	
L < 10 mm	+ 0,2	
L e 10 mm	+ 0,3	
Ø NA	H8	
Ø NI	h8	

Surface roughness	Rtmax [µ]	Ra [µ]
Bottom of groove	d 6,3	d 1,6
Face of groove	d 15	d 3

Sliding surface	Rtmax [µ]	Ra [µ]
PU, elastomeres	d 2,5	d 0,1 – 0,5
PTFE	d 2	d 0,05 – 0,3

Installation:

Snap-in installation.