

XSPS16MF (with spring)

Function:

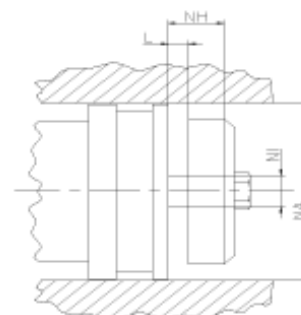
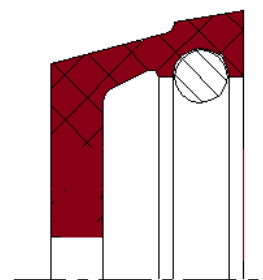
Piston seals are designed to seal the pressurized hydraulic fluid against the atmosphere or between two pressurized spaces.

Features:

- Asymmetrical, single acting piston seal.
- Long sealing lip compensates for radial inaccuracy or excentricity.
- Useable for long stroke lengths.
- Low break-away load after long standstills.
- Seal design tends to "stick-slip" effect.
- Spring-loaded lip seal. Clamping flange for fixing in the installation space.
- We recommend more modern series for new designs.

Application:

Reciprocating pistons in hydraulic and pneumatic cylinders.
Replacement for seal designs (leather seals etc.) used in old cylinders.
Max. pressure and max. speed depending on material.



Seal housing recommendation:

Tolerances	[mm]	
NL	+0.2	
NH	+0.2	
Ø NA	H9	
Ø NI	h10	

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	$\leq 0.1 - 0.5$
PTFE	≤ 2	$\leq 0.05 - 0.3$

Installation:

Clamped by flange.