

# O-Ring XSORV

## Function:

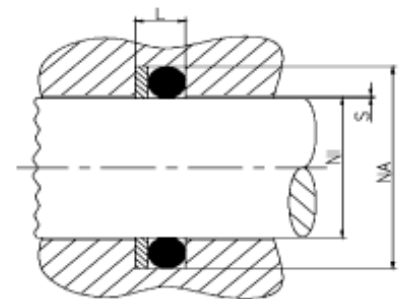
O-Rings are used in widely differing technical areas, for instance as individual sealing elements in pneumatics and hydraulics, and as preload elements for seals and wipers. O-Rings are double acting, activated by the system pressure. The sealing effect is generated by axial or radial preload. The preload of the O-ring is superposed by the hydraulic pressure, thus assuring the overall sealing pressure.

## Features:

- Used for special dimensioned grooves.
- Sealing over a wide range of pressures, temperatures and tolerances.
- Simple and compact design.
- Symmetrical profile cross section.
- Wide application ranges.
- Simple mounting.
- Compact and simple grooves.
- Easy and cost saving constructions possible.

## Application:

Static sealing (e.g. flanges and threaded joints), rotation and linear movement applications with minor loads and small groove dimensions, preload element for PTFE seals and wipers.



## Seal housing recommendation:

Tolerances	[mm]	
s	f7/H8	
Surface roughness	Rtmax [ $\mu$ ]	Ra [ $\mu$ ]
Bottom of groove	$\leq 6.3$	$\leq 1.6$
Face of groove	$\leq 15$	$\leq 3$
Sliding surface	Rtmax [ $\mu$ ]	Ra [ $\mu$ ]
	$\leq 6.3$	$\leq 1.6$

## Installation:

Snap-in installation