

Function:

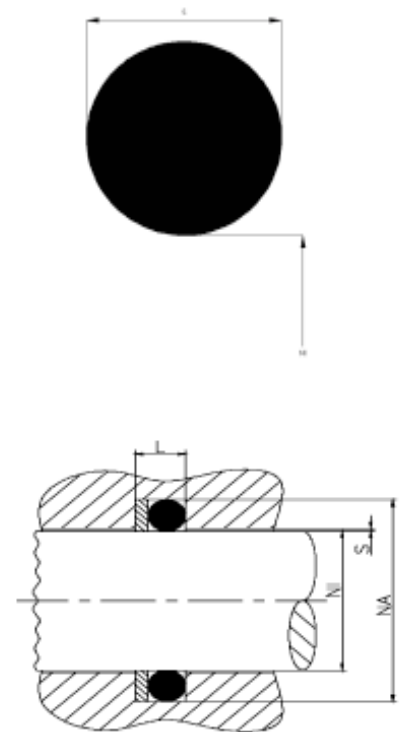
O-Rings are used in widely differing technical areas, for instance as individual sealing elements in pneumatics and hydraulics, and as preload elements for seals and wipers. O-Rings are double acting, activated by the system pressure. The sealing effect is generated by axial or radial preload. The preload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

Features:

- 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 [μ]	Ra [μ]
Bottom of groove	≤ 6.3	≤ 1.6
Face of groove	≤ 15	≤ 3
Sliding surface	Rtmax [μ]	Ra [μ]
	≤ 6.3	≤ 1.6

Installation:

Snap-in installation