

# Wiper Ring **XSWR07**

## Function:

Wipers are designed to keep dust, dirt, sand and others off the rod and the sealing and guiding elements, avoiding abrasive damage caused by external contamination.

WR07 wipers are designed to work as an initial wiper, protecting the elastomer wiper from hard encrusted dirt or ice on the rod.

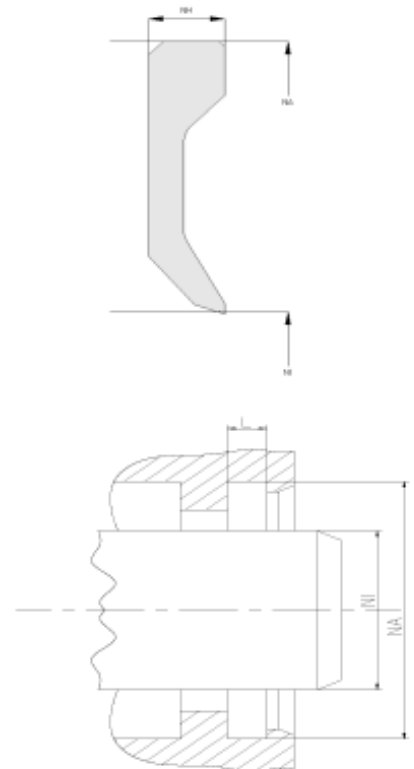
## Features:

- The profile is designed with a slight interference on the OD which provides a good static fit, preventing the entry of humidity and other contamination via the outside diameter.
- Wiper is made in hard plastics (POM, PEEK, etc.) or hard grade PU which ensures high stiffness, breaking strength and stability.
- Good dry running properties.
- Not suitable for pressure from the trailing side.
- Special designed housings required.

## Application:

Reciprocation rods in hydraulic cylinders, plungers.

Max. pressure 0 bar, max. speed 1 m/s.



## Seal housing recommendation:

| Tolerances | [mm]  |  |
|------------|-------|--|
| L          | + 0.2 |  |
| Ø NA       | H9    |  |
| Ø NI       | h10   |  |

| 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 [ $\mu$ ]      |
|-----------------|-----------------|-------------------|
| PU, elastomeres | $\leq 2.5$      | $\leq 0.1 - 0.5$  |
| PTFE            | $\leq 2$        | $\leq 0.05 - 0.3$ |

## Installation:

Snap-in installation.