

# Guide Ring XSBWR01A

## Function:

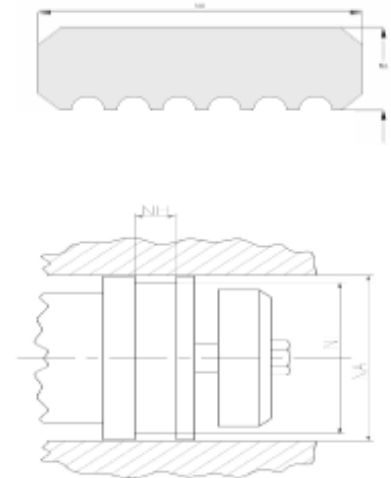
Guiding elements are designed to prevent metal to metal contact between components of hydraulic systems e.g. piston and cylinder barrel or shaft and cylinder head.

## Features:

- Spiral groove on the outside diameter for better lubrication
- Normally cut at an angle for easy installation, but also available as non-split version
- Low dynamic friction.
- Low break-away forces after long standstills.

## Application:

Reciprocating pistons and rods in hydraulic cylinders, plungers.  
Max. speed 4 m/s, radial loads max. 70 N/mm<sup>2</sup>.



## Seal housing recommendation:

Tolerances	[mm]	
L < 10 mm	+ 0.2	
L = 10 mm	+ 0.3	
Ø NA	H8	
Ø NI	h9	

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