



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

- ⇒ 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/mm².

Installation

Snap-in installation.

Seal housing recommendation

Tolerances	[mm]	
L < 10mm	+ 0.2	
L ≥ 10mm	+ 0.3	
∅ NA	H8	
∅ NI	h9	
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	≤ 0.1-0.5
PTFE	≤ 2	≤ 0.05-0.3

Profile description

Guide Ring
BWR01_P_PS