



### DESCRIPTION

Double acting piston seal for pneumatic cylinders

### MATERIAL

Type: Polyurethane  
Designation: SEALPUR 93  
Hardness: 93 °ShA

### MAIN FEATURES

It is a double acting piston seal specially developed for pneumatic cylinder application.

The particular spring shaped design is flexible, more sensitive to pressure fluctuations and ensures a low friction in all operating conditions.

The polyurethane used to produce the dynamic element is a compound, specifically developed for the production of pneumatic seals, that ensures excellent properties on wear-resistance, extended service life and low permanent deformation.

- Space-saving construction
- Simple groove design
- Low friction at all usage pressure
- Excellent wear-resistance
- Extended service life
- Low cost solution
- Easy installation without expensive auxiliaries

### FIELD OF APPLICATION

Pressure	20 bar
Speed	≤ 1 m/s
Temperature	-35°C ÷ +80°C
Fluids	Air with or without lubrication, grease, mineral oils, non-aggressive gases, etc.

### SURFACE ROUGHNESS

Dynamic surface	Ra ≤ 0.25 μm	Rt ≤ 2.5 μm
Static surface	Ra ≤ 0.8 μm	Rt ≤ 6.3 μm

### LEAD-IN CHAMFERS

D	S <sub>MIN</sub>
less 20	3 mm
20÷50	4 mm
51÷150	5 mm
•over 150	6 mm

- to avoid damaging the sealing lips during installation, housing must have rounded chamfers. Sharp edges and burrs within the installation area of the seal must be removed

Part.	D <sup>H10</sup>	d <sup>h9</sup>	L <sup>+0.2</sup>
KPZ 12 7 2.5	12	7	2.5
KPZ 16 9 2.5	16	9	2.5
KPZ 20 13 2.5	20	13	2.5
KPZ 25 18 2.5	25	18	2.5