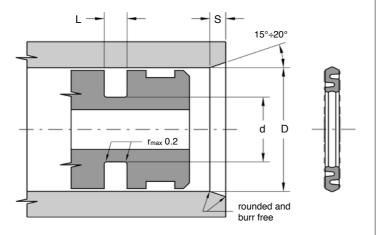


DOUBLE ACTING PISTON SEAL



## 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.         | <b>D</b> H10 | <b>d</b> <sup>h9</sup> | <b>L</b> +0.2 |
|---------------|--------------|------------------------|---------------|
| KPZ 1272.5    | 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           |

