



**DESCRIPTION**

Semicompact rod seal

**MATERIAL**

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

**MAIN FEATURES**

Thanks to its semicompact profile, the rod seal type S assures a good sealing performance as well as at low pressure.

It's designed to be less sensitive to pressure fluctuations than typical "U" seals.

The material used to produce this seal is a polyurethane compound that ensures excellent properties on wear-resistance, extended service life and resistance against extrusion.

- Good sealing performance as well as at low pressure
- Extended service life
- Excellent wear-resistance
- Good temperature resistance
- Insensitive to pressure fluctuation
- Easy installation without expensive auxiliaries

**FIELD OF APPLICATION**

Pressure	≤ 400 bar
Speed	≤ 0.5 m/s
Temperature	-40°C ÷ +100°C
Fluids	Hydraulic oils (mineral oil based). <i>For other fluids contact our technical department</i>

**SURFACE ROUGHNESS**

Dynamic surface	Ra ≤ 0.3 µm	Rt ≤ 2.5 µm
Static surface	Ra ≤ 1.6 µm	Rt ≤ 6.3 µm

**GAP DIMENSION "g"**

The largest gap dimension appearing in operation on the non-pressurised side:

• 50 bar	1.20 mm
• 100 bar	0.80 mm
• 200 bar	0.40 mm
• 300 bar	0.25 mm
• 400 bar	0.17 mm

**LEAD-IN CHAMFERS**

d	S <sub>MIN</sub>
• less 100	5 mm
• 100÷200	7 mm
• over 200	10 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>f7</sup>	D <sup>H10</sup>	L <sup>+0.25</sup>
<b>S 12 17 3.5</b>	12	17.0	4.0
<b>S 12 18 4.5</b>	12	18.0	5.0
<b>S 14 19 4.8</b>	14	19.0	5.3
<b>S 16 20 3.3</b>	16	20.0	3.8
<b>S 16 22 4</b>	16	22.0	4.5
<b>S 20 25 3.7</b>	20	25.0	4.5
<b>S 22 28 4.5</b>	22	28.0	5.5
<b>S 22 30 5.8</b>	22	30.0	6.3
<b>S 22 32 8</b>	22	32.0	9.0
<b>S 25 32 4</b>	25	32.0	5.0
<b>S 25 33 5.8</b>	25	33.0	6.3
<b>S 28 35 4</b>	28	35.0	4.5
<b>S 35 42 4.5</b>	35	42.0	5.0
<b>S 56 66 6.5</b>	56	66.0	7.5
<b>S 140 155.5 5.8</b>	140	155.5	6.3

**Inch sizes**

<b>S 3375 4375 0550</b>	85.7	111.1	15.0
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