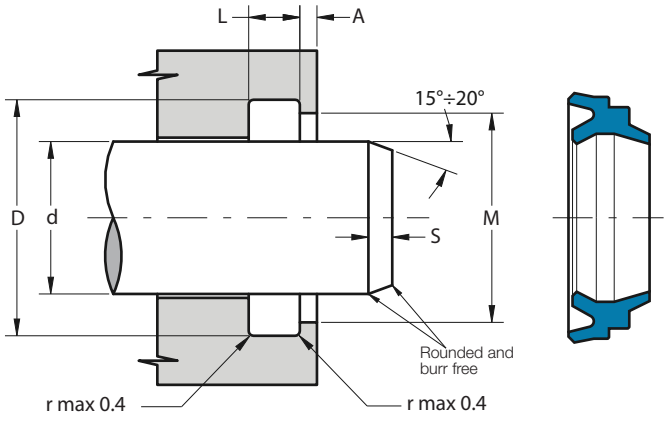
SAD

Bi-directional rod wiper with shoulder



Description

Rod bi-directional wiper with shoulder

Material

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

Main features

The functions of the SAD bi-directional rod wiper are:

- to prevent introduction of dust, dirt and foreign matter into the system; this is achieved by a special wiper lip which produces a very effective cleaning action, prevents the development of scores, protects the guiding parts and extends the service life of the axial moving rod seals.
- to retain residual oil film on the rod; the asymmetric lips are designed to differentiate the behaviour of the lips on the static and dynamic surfaces: the static lips are flexible and more sensitive to pressure fluctuations; the dynamic lip is shorter and stronger to concentrate load against the dynamic surface.

This wiper is preferably used in conjunction with a rod seal with a hydrodynamic back-pumping function (i.e. XB).

We recommend in any case a pressure release hold be provided in front of the double wiper in order to avoid pressure build-up between seal and wiper.

The material used to produce this wiper is a polyurethane compound that ensures excellent properties in case of dry run, an increased wear-resistance and an extended service life due to good resistance against ozone and radiation caused by weather conditions.

- Retaining residual oil film
- External flush fitting for a good housing protection
- Extended service life
- Insensitive to structural deflections
- Excellent wear-resistance
- Space-saving construction
- No close tolerances are necessary
- Easy installation without expensive auxiliaries

Field of application

Speed	≤ 0.8 m/s
Temperature	–40°C ÷ +100°C
Fluids	Hydraulic oils (mineral oil based).
	For other fluids contact our technical department

Surface roughness

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

Lead-in chamfers d	Smin
• less 100	5 mm
• 100÷200	7 mm
• over 200	10 mm

- Any pressure loads on the back of the rings should be avoided
- Sharp edges and burrs within the installation area must be removed

Part.	d ^{f7}	D ^{H10}	L $^{+0.15}$	M ^{H11}	A $^{\pm0.1}$
SAD 20	20	28	4	26	2
SAD 25	25	33	4	31	2
SAD 30	30	38	4	36	2
SAD 35	35	43	4	41	2
SAD 40	40	48	4	46	2
SAD 45	45	53	4	51	2
SAD 50	50	58	4	56	2
SAD 60	60	68	4	66	2
SAD 70	70	78	4	76	2
SAD 80	80	88	4	86	2
SAD 90	90	98	4	96	2
SAD 100	100	108	4	106	2