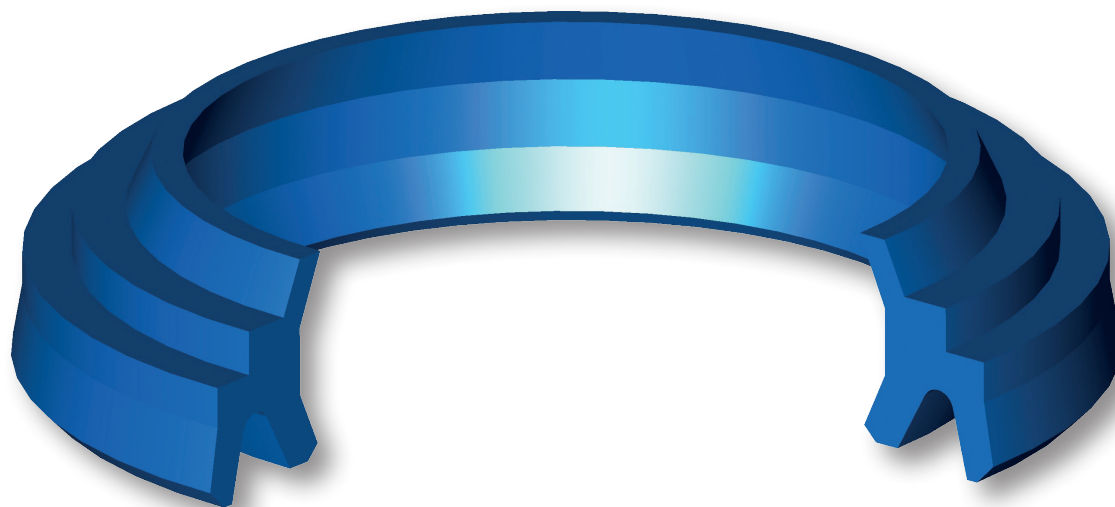


# SAD



The functions of the Aston Seals 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

## MATERIAL



Type  
Polyurethane

Designation  
SEALPUR 93

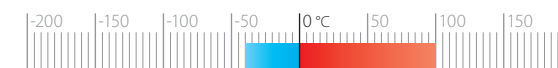
Hardness  
93 °ShA

## 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  
Static surface

Ra ≤ 0.3 µm  
Ra ≤ 1.6 µm

Rt ≤ 2.5 µm  
Rt ≤ 6.3 µm

## LEAD-IN CHAMFERS

d

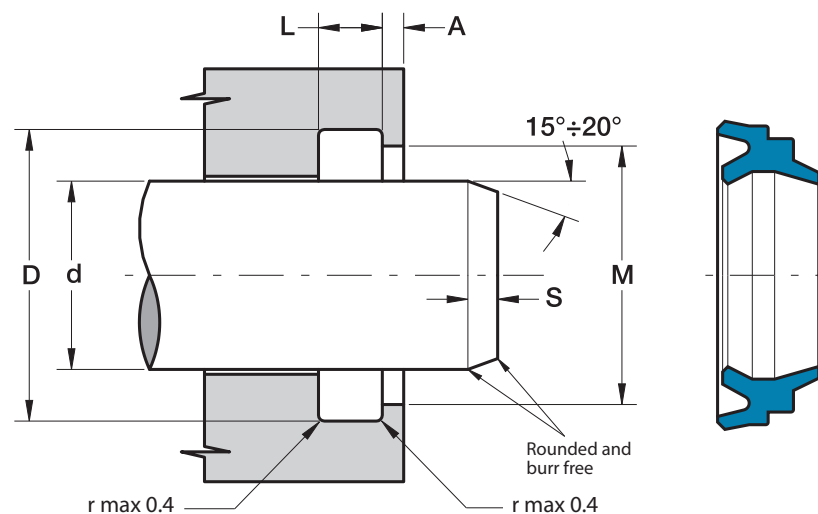
Smin

less 100  
100÷200  
over 200

5 mm  
7 mm  
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.  
The above data are maximum values, they may be maintained for short periods and can not be used at the same time simultaneously.

# SAD



Part.	d <sup>f7</sup>	D <sup>H10</sup>	L <sup>+0.15</sup>	M <sup>H11</sup>	A <sup>±0.1</sup>
<b>SAD 20</b>	20	28	4	26	2
<b>SAD 25</b>	25	33	4	31	2
<b>SAD 30</b>	30	38	4	36	2
<b>SAD 35</b>	35	43	4	41	2
<b>SAD 40</b>	40	48	4	46	2
<b>SAD 45</b>	45	53	4	51	2
<b>SAD 50</b>	50	58	4	56	2
<b>SAD 60</b>	60	68	4	66	2
<b>SAD 70</b>	70	78	4	76	2
<b>SAD 80</b>	80	88	4	86	2
<b>SAD 90</b>	90	98	4	96	2
<b>SAD 100</b>	100	108	4	106	2
<b>SAD 120</b>	120	132	5.5	129	2.7