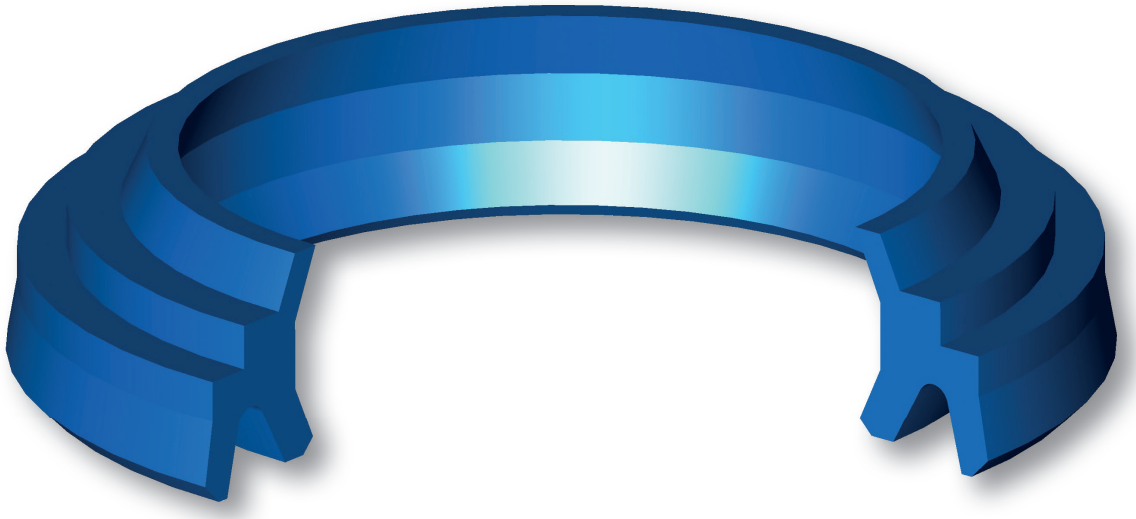
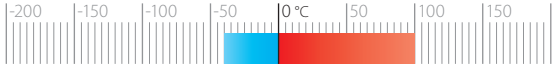
SAD



MATERIAL

Type	Designation	Hardness
Polyurethane	SEALPUR 93	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	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.

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

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.

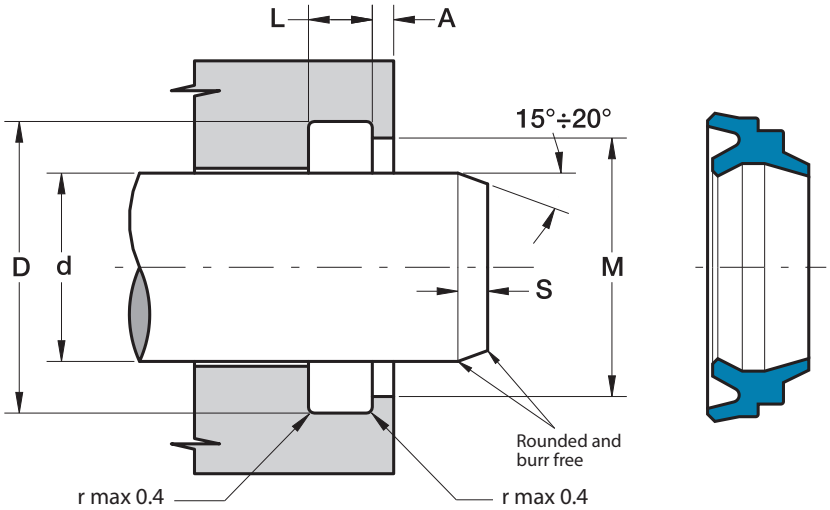
This wiper is preferably used in conjunction with a rod seal with a hydrodynamic back-pumping function (i.e. XB).

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

SAD



Part.	d f7	D H10	L +0.15	M H11	A ±0.1
SAD 12	12	20	4	18	2
SAD 16	16	24	4	22	2
SAD 20	20	28	4	26	2
SAD 25	25	33	4	31	2
SAD 30	30	38	4	36	2
SAD 32	32	40	4	38	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 53	53	61	4	59	2
SAD 55	55	63	4	61	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
SAD 120	120	132	5.5	129	2.7