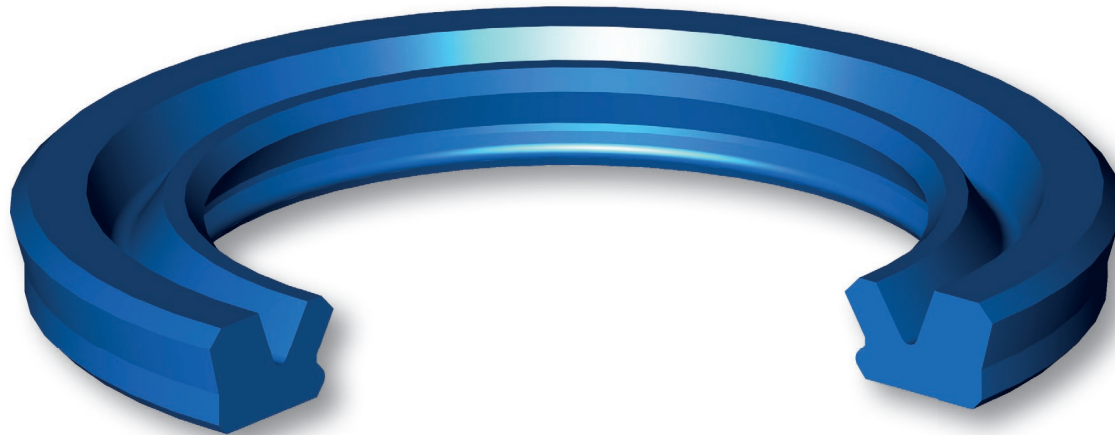


# AR



AR

The Aston Seals AR is a seal with asymmetric lips designed for light and medium duty applications where spaces and friction need to be low.

It can be used either as a single acting seal or, in presence of fast and high pressure variations, in tandem configuration as a "secondary" seal behind a PTFE one.

It is used in the same housing normally destined to PTFE seal of which has similar dimensional characteristics but, compared to it, better sealing capabilities, greater easy installation and lower cost.

The seal is made of a polyurethane compound that ensures excellent properties on wear-

resistance, extended service life and resistance against extrusion.

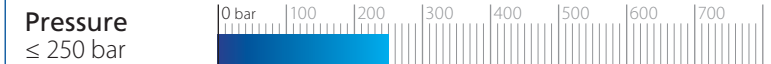
- Good sealing performance
- Low cost solution
- Easy installation
- Designed to snap fit into its housing
- Simple groove design and space-saving construction
- Excellent wear-resistance
- Extended service life
- Good temperature resistance

## MATERIAL



Type	Designation	Hardness
Polyurethane	SEALPUR 93	93 °ShA

## FIELD OF APPLICATION



**Fluids** Hydraulic oils (mineral oil based)  
For other fluids contact our technical department

## SURFACE ROUGHNESS

<b>Dynamic surface</b>	Ra ≤ 0.3 µm	Rt ≤ 2.5 µm
<b>Static surface</b>	Ra ≤ 1.6 µm	Rt ≤ 6.3 µm

## GAP DIMENSION "g"

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

100 bar	0.80 mm	200 bar	0.40 mm
150 bar	0.60 mm	250 bar	0.32 mm

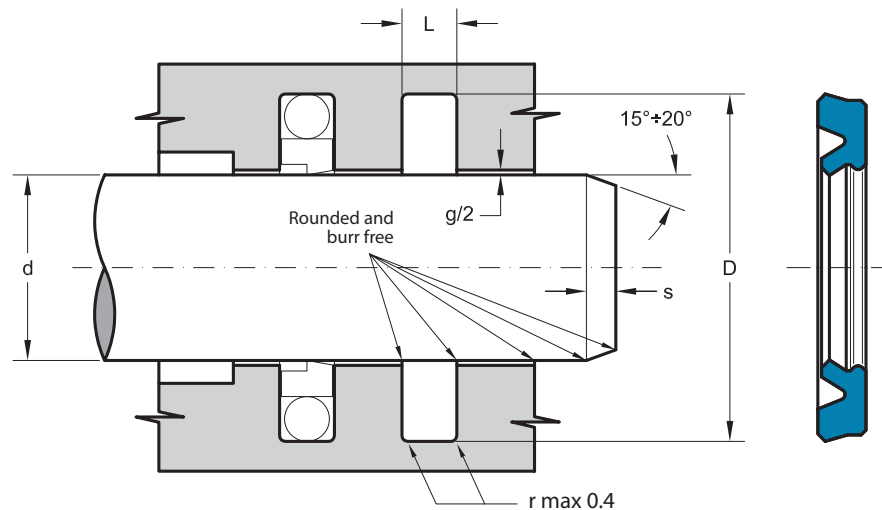
## LEAD-IN CHAMFERS

d	Smin
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.

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

# AR



Part.	d <sup>f7</sup>	D <sup>H10</sup>	L <sup>+0.25</sup>
AR 20 31 4.2	20	31.0	4.2
AR 25 36 4.2	25	36.0	4.2
AR 27 34.5 3.2	27	34.5	3.2
AR 30 41 4.2	30	41.0	4.2
AR 32 39.5 3.2	32	39.5	3.2
AR 40 51 4.2	40	51.0	4.2
AR 50 61 4.2	50	61.0	4.2