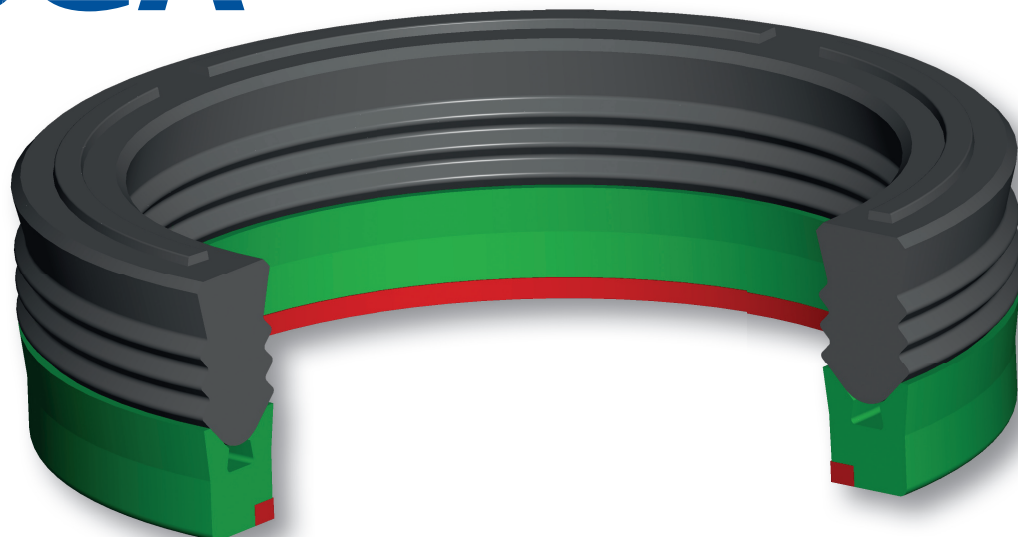


SGA

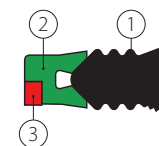


The rod seal type Aston Seals SGA is composed of:

- A sealing rubber element with low permanent deformation which assures good sealing performance. Multiple sealing lips ensure perfect fluid control and concentrate load against the dynamic surface. The cavities keep small quantities of fluid reducing friction and wear.
- A support ring contoured to suit the main sealing rubber element. The special geometry assures that pressure loads the "V" shape
- An anti-extrusion ring which assures high pressure loads without any risk of extrusion.
- Very high resistance against extrusion

- Perfect fluid control
- Extended service life
- Excellent wear-resistance
- Good mechanical stability at high temperature
- Insensitive to pressure fluctuation and vibrations
- Easy installation without expensive auxiliaries

MATERIAL



① Type	Nitril Rubber NBR
Designation	RUBSEAL 75
Hardness	75 °ShA
② Type	Thermoplastic polyester resin
Designation	SEALITE 63
Hardness	63 °ShD
③ Type	Acetal resin
Designation	BEARITE

FIELD OF APPLICATION

Pressure ≤ 700 bar	0 bar 100 200 300 400 500 600 700
Speed ≤ 0.5 m/s	0 m/s 2 4 6 8 10 12 14
Temperature -40°C ÷ +110°C	-200 -150 -100 -50 0 °C 50 100 150
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

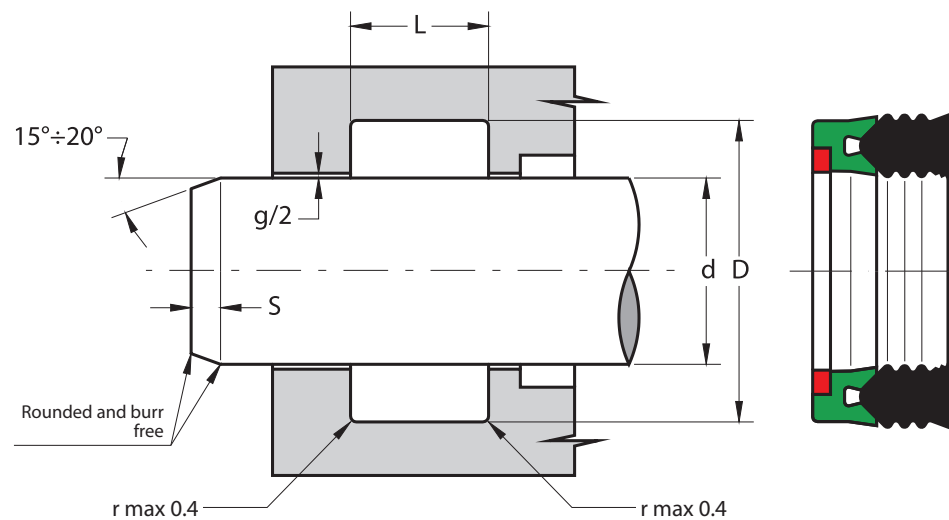
LEAD-IN CHAMFERS

d	Smin
less 100	5 mm
100÷200	7 mm
over 200	10 mm

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.

SGA



Part.	d^{f7}	D^{H10}	$L^{+0.25}$	g
SGA 30 43	30	43.0	20.0	0.4
SGA 45 60	45	60.0	22.5	0.4
SGA 60 77	60	77.0	27.0	0.4
SGA 70 90	70	90.0	30.0	0.4
SGA 85 98	85	98.0	25.0	0.4
SGA 95 115	95	115.0	28.0	0.4
SGA 110 130	110	130.0	32.5	0.4