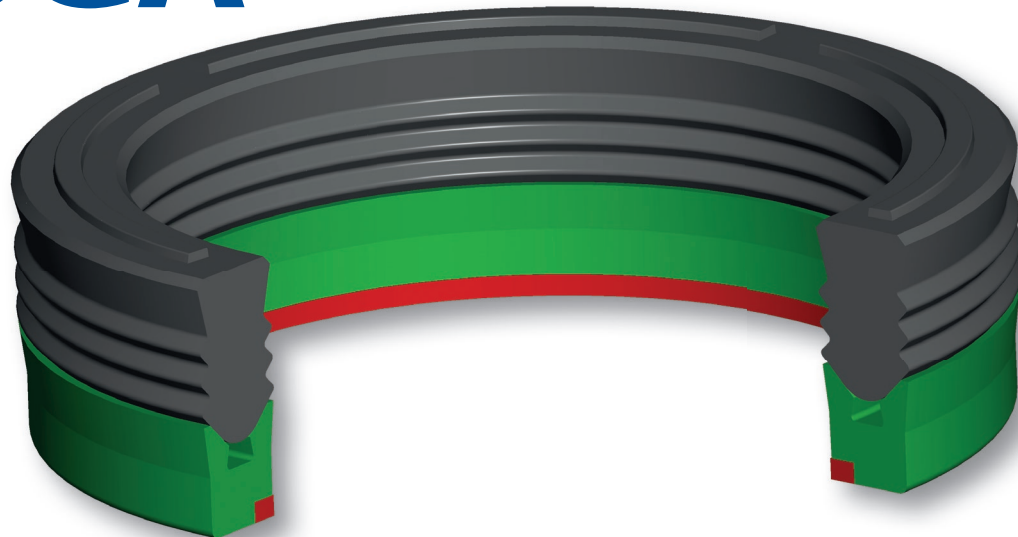


SGA



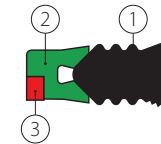
SGA

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 | |
| Speed ≤ 0.5 m/s | |
| Temperature -40°C ÷ +110°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 |

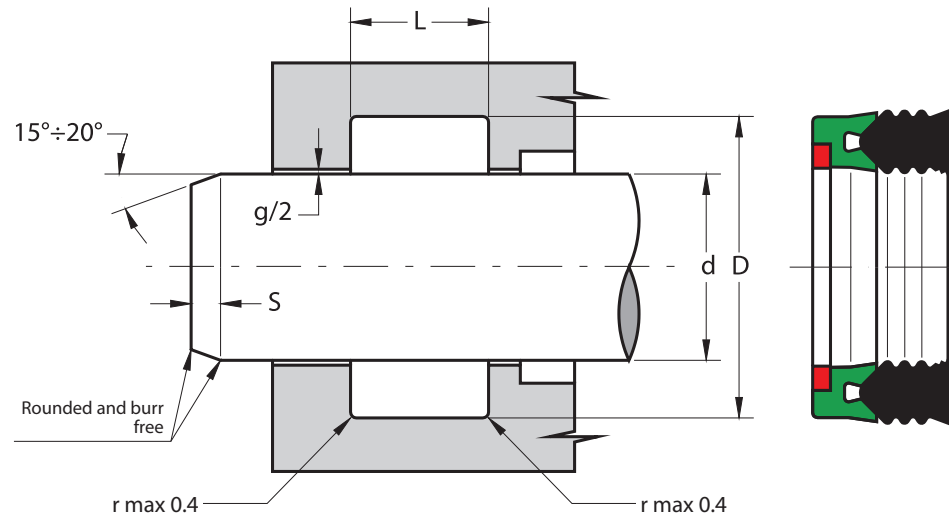
LEAD-IN CHAMFERS

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

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 |