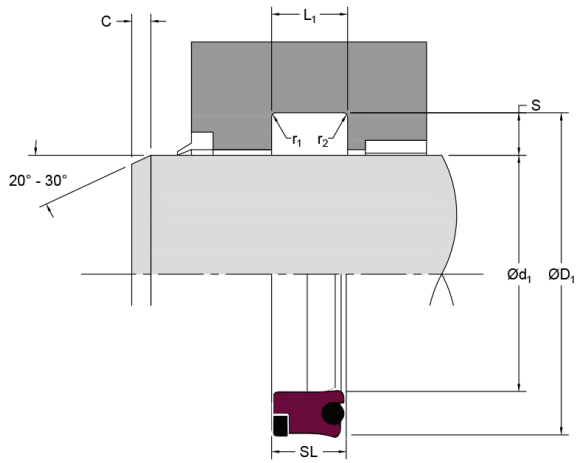
GS4SB



Technical Details

Technical Details	Metric	Inch
Operating conditions		
Maximum speed	1.0 m/sec	3.0 ft/sec
Temperature range	-45°C + 110°C	-50°F + 230°F
Maximum pressure	700 Bar	10,000 p.s.i

Maximum extrusion gap

Pressure bar	160	250	400
Maximum gap mm	1.0	0.8	0.6
Pressure p.s.i	2400	3750	6000

Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face	1.6 max	10 max	63 max	70 max
Static Housing faces	3.2 max	16 max	125 max	140 max

Chamfers & Radii

Groove section	4.0	5.0	7.5
Min chamfer C mm	3.0	3.5	5.0
Max fillet rad r_1 mm	0.2	0.4	0.8
Max fillet rad r_2 mm	0.4	0.8	1.2

Tolerances

Ød	ØD	L_1 mm
f9	Js11	+0.25 - 0

DESIGN

GS4SB , seal design comprises 3 elements: an O ring energiser, a polyurethane shell and a monyte/ motuf anti-extrusion ring.

The shell is manufacture from high performance polyurethane which provides flexibility for installation and responsiveness to the sealing lip. The rubber energiser ensures cpmplete lip actuation under all pressure conditions and cushions the seal against shock loadings.

The anti extrusion ring enables the seal to withstand side loads and extreme pressure peaks during operation.

FEATURES

- **Shock load capability**
- **Responsive sealing**
- **High pressure**
- **MOTUF/MONYTE anti extrusion ring**

MATERIAL

Seal design comes in a variety of materials and sizes. For more information, please refer to MSDS datasheet

APPLICATIONS

Medium to heavy duty applications

CERTIFIED Product Quality