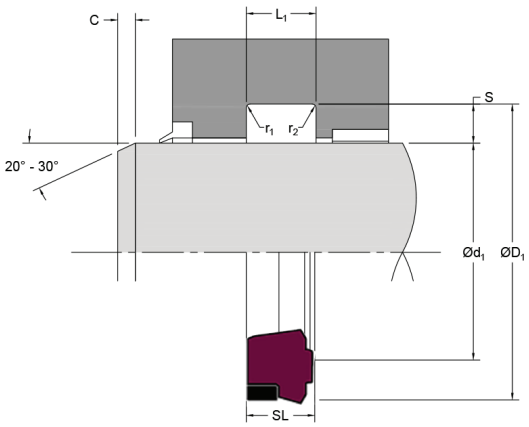
GS38



Technical Details

Operating conditions	Metric	Inch
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	0.6	0.5	0.4
Pressure p.s.i	2400	3750	6000

Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface $Ød_1$	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face L_1	1.6 max	10 max	63 max	70 max
Static Housing faces $ØD_1 L_1$	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

$Ød_1$	$ØD_1$	L_1
f9	H10	+0.25 - 0
f9	Js11	+0.010 - 0

DESIGN

GS38 is a gland seal which is developed to work in conjunction with high performance rod seals. It is interchangable with common buffer seal housings.

The seal design provides a valve action to prevent excessive pressure build up in the cavity between the buffer seal and the rod seal.

An extrusion ring is fitted to provide maximum extrusion resistance against shock pressure loads.

FEATURES

- **Prevents inter seal pressure build up**
- **Easy installation**
- **Long life**
- **Excellent temperature range**

MATERIAL

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

APPLICATIONS

Light to medium duty applications

CERTIFIED Product Quality