



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	400 Bar	6000 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	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	Lmm
f9	Js11	+0.25 - 0

DESIGN

GS1 is an asymmetric seal that offers superlative dry rod sealing for light and medium applications.

GS1 is ideal for applications that require a double lip wiper and it is extremely flexible making it easy for installation.

FEATURES

- Excellent wear resistant
- Flexible easy installation
- High resistance to extrusion
- Wide temperature range
- Low friction

MATERIAL

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

APPLICATIONS

Light and medium duty applications