



**Technical Details      Metric      Inch**

<b>Operating conditions</b>		
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	500	700
Maximum gap mm	1.0	0.8	0.6	0.4	0.25
Pressure p.s.i	2400	3750	6000	7500	10,000
Maximum gap in	0.0410	0.032	0.024	0.016	0.010

**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 ≤ Smm	4.0	5.0	7.5	10.0	12.5	15.0
Min chamfer C mm	3.0	3.5	5.0	6.5	7.0	8.0
Max fillet rad r <sub>1</sub> mm	0.2	0.4	0.8	0.8	0.8	0.8
Groove section ≤ S in	0.125	0.187	0.250	0.312	0.375	0.500
Min chamfer C in	0.093	0.093	0.125	0.156	0.187	0.217
Max fillet rad r <sub>1</sub> in	0.008	0.008	0.016	0.032	0.032	0.032

**Tolerances**

ød	øD	L <sub>1</sub> mm	L <sub>1</sub> in
H9	Js11	+0.25 - 0	+0.010 - 0

**DESIGN**

GS2, is designed to offer a more effective bore sealing in a wide variety of applications. It is fitted with a hard plastic anti extrusion ring for a more improved extrusion resistance.

The inner lip of the seal is much shorter and robust and also provides an improved sealing and compression set characteristics. The energiser, ensures complete lip actuation under all pressure conditions and cushions the seal against shock loads.

**FEATURES**

- Excellent wear resistant
- Flexible easy installation
- High resistance to extrusion
- Wide temperature range
- Robust design

**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