



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

GS6MP is a single acting asymmetrical gland seal with a secondary lip. The lip reduces stick slip due to fluid reservoir between sealing lips. The secondary lip also prevents external contamination and acts as a stabilizer.

GS6MP has excellent dry rod capabilities and can be used in a variety of agricultural, material handling and telescopic cylinders.

FEATURES

- Single acting seal
- Made of high performance polyurethane
- Excellent resistance to abrasion
- Ideal for bore misalignment

MATERIAL

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

APPLICATIONS

The seal can be considered for use in heavy-duty applications when used with a suitable full depth back-up ring.