



Technical Details

Metric

Inch

DESIGN

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

GS6M is designed to prove reliable dirt exclusion for heavy duty applications. The tough wiping lip will scrape away baked on mud and residue from grain crop harvesting, yet remains flexible enough to stay in contact with the rod even under severe side loads.

Maximum extrusion gap

Pressure bar	160	250	400
Maximum gap mm	0.6	0.5	0.4
Pressure p.s.i	2400	3750	6000

The sealing lip on the outside diameter prevents the ingress of contamination and helps retain the scraper in its snap-fit housing.

FEATURES

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

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

MATERIAL

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

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

APPLICATIONS

Light and medium duty applications

Tolerances

Ød	ØD	Lmm
f9	Js11	+0.25 - 0