



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	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	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 ₁	ØD ₁	L ₁
f9	H10	+0.25 - 0
f9	Js11	+0.010 - 0

DESIGN

GS39 is a buffer seal which is developed to work in conjunction with high performance rod seals. It is interchangeable 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