



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

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

GS32 is a compact double acting piston seal which is suitable for low to high pressure applications, medium to heavy duty applications. The seal design comes with a standard self lubricating wear resistance cap ring which is loaded with an energiser.

GS32 is designed to be used in a variety of equipment and is suited for earthmoving equipments. It also comes in a wide range of material options to extends its service temperature.

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 datasheet.

APPLICATIONS

Light to medium duty applications