



Technical Details

Metric

Inch

DESIGN

Operating conditions		
Speed	Static	Static
Temperature range	-45°C + 110°C	-50°F + 230°F
Maximum pressure	600 Bar	8500 p.s.i

GS8B has a compact seal design which can be mounted with or without a back up ring. Due to radial interference, the sealing lips remove any liquid film.

GS8B has excellent seal performance in high pressure applications or even when at low pressures or pressure-less movement of the rod.

Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Sealing faces	0.8	6.3	32	35
Mating face	3	20 ÷ 30	120	120

FEATURES

- High wear resistance
- Insesibility against shock loads and pressure peaks
- Easy installation
- High resistance against extrusion
- Long life

Radii

Max fillet rad r_1 mm	0.80
Max fillet rad r_2 in	0.03

MATERIAL

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

Tolerances

	Ød	S	L ₁	L ₂
mm	± 0.100	± 0.025	± 0.050	+0 -0.25
in	+0 -0.05 - 0	± 0.015	± 0.005-0	+0 -0.010

APPLICATIONS

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