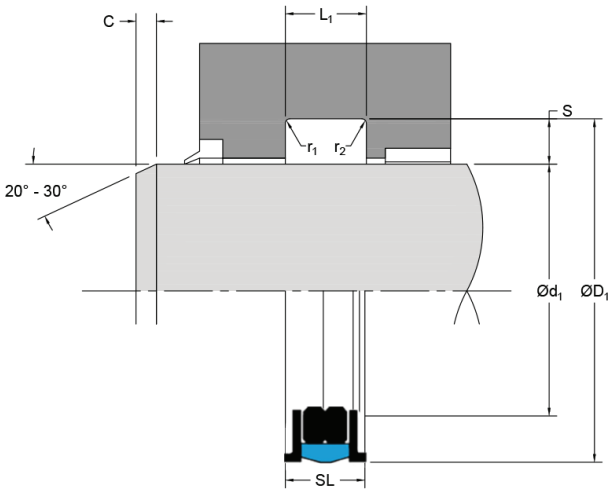
GS80JBU



Technical Details

Technical Details	Metric	Inch
Operating conditions		
Maximum speed	0.3 m/sec	1.00 ft/sec
Temperature range	-40°C + 110°C	-40°F + 230°F
Maximum pressure	700 Bar	10,000 p.s.i

Maximum extrusion gap

Pressure bar	160	250	500
Maximum gap mm	1.00	0.80	0.40
Pressure p.s.i	2400	3750	7500

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 ≤ Smm	7.5	10.0	12.5
Min chamfer C mm	8.0	10.0	13.0
Max fillet rad r_1 mm	0.2	0.4	0.8

Tolerances

Ød	ØD	Lmm
h9	H10	+0.2 - 0

DESIGN

GS80JBU seal design is constructed with a tough wear resistance polyurethane glide ring which is loaded with a nitrile energiser.

Sealing face design can be made in various material options which includes a lubricated polyurethane. The L shape guide rings act as anti extrusion rings as well as guide the rod.

FEATURES

- High shock load capability
- High pressure capability

MATERIAL

Made with high performance polyurethane with low compression set, high modules elasticity and excellent resistance to abrason.

APPLICATIONS

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

FLUIDS

Hyraulic fluids & petroleum fuels & oils