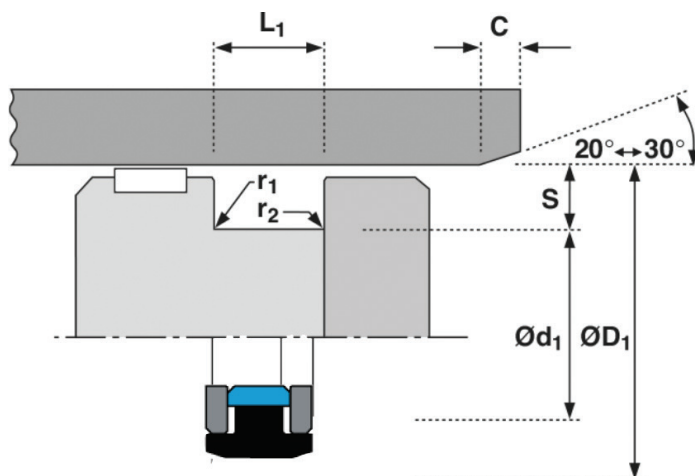




Technical Details

Operating conditions	Metric	Inch
Maximum speed	1.5 m/sec	4.5 ft/sec
Temperature range	-40°C + 120°C	-40°F + 250°F
Maximum pressure	500 Bar	7500 p.s.i

Maximum extrusion gap

Pressure bar	160	250	400	500
Maximum gap mm	1.0	0.8	0.6	0.5
Pressure p.s.i	2400	3750	6000	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	7.0	7.5	11.5	14.0
Min chamfer C mm	4.0	5.0	7.0	8.0
Max fillet rad r ₁ mm	0.8	0.8	0.8	0.8
Groove section ≤ S in	0.187	0.240	0.365	0.470
Min chamfer C in	0.160	0.200	0.250	0.280
Max fillet rad r ₁ in	0.016	0.016	0.032	0.032

Tolerances

Ød	ØD	Lmm
f9	Js11	+0.25 - 0

DESIGN

PK8BU is a compact double acting piston seal designed for one piece pistons. It is suitable for low to high pressure, medium to heavy duty applications.

FEATURES

- Single acting seal
- Made of high performance polyurethane
- Excellent resistance to abrasion
- High pressure
- Heavy duty
- Compact seal design

MATERIAL

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

APPLICATIONS

Medium to heavy duty applications