



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	400 Bar	6000 p.s.i

Maximum extrusion gap

Pressure bar	160	250	400
Maximum gap in	0.024	0.020	0.016
Pressure p.s.i	2400	3750	6000

Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface Ød ₁	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face ØD ₁	1.6 max	10 max	63 max	70 max
Static Housing faces L ₁	3.2 max	16 max	125 max	140 max

Chamfers & Radii

Groove section ≤ S in	0.125	0.187	0.250
Min chamfer C in	0.093	0.093	0.125
Max fillet rad r ₁ in	0.008	0.008	0.016
Max fillet rad r ₂ in	0.016	0.016	0.0325

Tolerances

Ød	ØD	L ₁
f9	Js11	+0.010 - 0

DESIGN

PK1B is an asymmetric seal designed specifically to replace an O-ring and one back up sealing arrangement. Manufactured in a high performance polyurethane, it is extremely flexible which makes it easy for installation.

FEATURES

- Twin lip design offering
- Lower friction
- Improved sealing
- Primary lip protection
- Increased seal stability
- Easy installation

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