



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

PK1 is an asymmetric seal offering superlative dry rod sealing for light and medium duty applications. Manufactured in a super polyurethane, makes it flexible and easy for installation.

FEATURES

- Flexible for easy installation
- Long life
- Comes in a wide range materials and sizes

Maximum extrusion gap

Pressure bar	17	250	400
Maximum gap mm	0.6	0.5	0.4
Pressure p.s.i	2400	3750	6000

MATERIAL

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

Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface ØD ₁ in	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

APPLICATIONS

Light and medium duty applications

Chamfers & Radii

Groove section ≤ S mm	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 ₁	ØD ₁	L ₁ mm
f9	Js11	+0.25 - 0