



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

PK16B is a symmetrical piston seal designed to offer an effective bore sealing in a wide variety of applications. PK16B has a robust design to provide a more improved sealing and compression set characteristics over conventional U rings.

Maximum extrusion gap

FEATURES

	160	250	400
Pressure bar			
Maximum gap mm	0.6	0.5	0.4
Pressure p.s.i	2400	3750	6000
Maximum gap in	0.024	0.020	0.016

- Flexible for easy installation
- Excellent wear resistance
- Robust design
- Wide temperature range

Surface roughness

MATERIAL

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface $\varnothing D_1$	0.1 - 0.4	4 max	4-16	5-18
Static sealing face $\varnothing d_1$	1.6 max	10 max	63 max	70 max
Static Housing faces L_1	3.2 max	16 max	125 max	140 max

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

APPLICATIONS

Light duty applications

Chamfers & Radii

	4.0	5.0	7.5	10.0		
Groove section $\leq S$ mm						
Min chamfer C mm	3.0	3.5	5.0	6.5		
Max fillet rad r_1 mm	0.2	0.4	0.8	0.8		
Groove section $\leq S$ in	0.125	0.187	0.250	0.312	0.375	0.500
Min chamfer C in	0.093	0.093	0.125	0.156	0.187	0.217
Max fillet rad r_1 in	0.008	0.008	0.016	0.032	0.032	0.032

Tolerances

$\varnothing D_1$	$\varnothing d_1$	L_1 mm	L_1 in
H9	js11	+0.25 - 0	+0.010 - 0