



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 mm	0.6	0.5	0.4
Pressure p.s.i	2400	3750	6000

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	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	øD	Lmm
f9	Js11	+0.25 - 0

DESIGN

PKSP is a compact double acting piston seal which is suitable for low to high pressure, medium to heavy duty applications. The seal design comes with a standard self lubricating cap ring which is loaded with an energiser.

It is designed to be used in a variety of equipment and is suited for earthmoving equipments. It also comes in a wide range of material options to extend its service temperature range.

FEATURES

- Made of high performance polyurethane
- Excellent resistance to abrasion
- Long life

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