



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

PK6CP is a single lip U-ring rod seal designed to provide a dry sealing solution in light and medium-duty applications. It is manufactured from a high-performance polyurethane, for easy installation and excellent low temperature performance. The seal can be considered for use in heavy-duty applications when used with a suitable full depth back-up ring.

FEATURES

- Single acting seal
- Made of high performance polyurethane
- Excellent resistance to abrasion
- Ideal for bore misalignment

MATERIAL

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

APPLICATIONS

The seal can be considered for use in heavy-duty applications when used with a suitable full depth back-up ring.