



Technical Details **Metric** **Inch**

Operating conditions		
Maximum speed	0.8 m/sec	2.4 ft/sec
Temperature range	-30°C + 110°C	-22°F + 212°F
Maximum pressure	600 Bar	9000 p.s.i

Maximum extrusion gap

Pressure bar	160	250	400	600
Maximum gap mm	0.35	0.3	0.2	0.1
Pressure p.s.i	2400	3750	6000	9000

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 mm	5.0	7.5	10.0	12.5	15.0
Min chamfer C mm	2.5	4.0	5.0	6.5	7.5
Max fillet rad r ₁ mm	0.8	0.8	0.8	1.2	1.6

Tolerances

ØD ₁	Ød ₁	Ød ₃	L ₁
H9	h11	+0 - 0.3	+0.3 - 0

DESIGN

PK37 is a two piece piston seal for heavy duty applications which when installed in pairs provides an excellent double acting piston seal design. It is suitable for difficult operating conditions such as pressure surging, vibration or misalignment.

FEATURES

- Effective seal for extreme applications
- High load capability
- Pressure activating grooves

MATERIAL

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

APPLICATIONS

Heavy to extreme duty applications