



Technical Details	Metric	Inch
Operating conditions		
Maximum speed	2.0 m/sec	6.0 ft/sec
Temperature range	-30°C + 100°C	-22°F + 212°F
Maximum pressure	350 Bar	5000 p.s.i

Maximum extrusion gap

Maximum gap mm	0.024	0.020	0.018	0.014
Pressure p.s.i	1500	2400	3750	5250

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	3.2 max	16 max	125 max	140 max

Chamfers & Radii

Groove section	0.147	0.216	0.305	0.413	0.483
Min chamfer C in	0.093	0.125	0.156	0.187	0.305
Max fillet rad r ₁ in	0.016	0.016	0.032	0.032	0.032

Tolerances

ØD ₁	Ød ₁	L ₁
H10	f8	+0.008 - 0

DESIGN

PKAQ seal design comes in a three-piece assembly that consists of an elastomer energizer, a filled PTFE grooved cap ring and an elastomeric quad-ring.

PKAQ seal design combines both low friction and positive sealing.

FEATURES

- Low friction - no stick slip
- Made of high performance polyurethane
- Stable design prevents rolling
- Positive sealing

MATERIAL

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