



## Technical Details      Metric      Inch

Operating conditions		
Maximum speed	1.0 m/sec	3.0 ft/sec
Temperature range	-30°C + 110°C	-22°F + 230°F
Maximum pressure	350 Bar	5000 p.s.i

### Maximum extrusion gap

Pressure bar	100	160	250	350
Pressure p.s.i	1500	2400	3750	5000
Maximum Gap in	0.025	0.020	0.016	0.008

### Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face Ød <sub>1</sub>	1.6 max	10 max	63 max	70 max
Static Housing faces L <sub>1</sub>	3.2 max	16 max	125 max	140 max

### Chamfers & Radii

Groove section ≤S in	0.125	0.187	0.250
Min chamfer C in	0.100	0.150	0.200
Max fillet rad r <sub>1</sub> in	0.016	0.016	0.016

### Tolerances

	ØD <sub>1</sub>	Ød <sub>1</sub>	Ød <sub>2</sub>	L <sub>1</sub>
in ØD <sub>1</sub> ≤2.500	+0.002 - 0	+0-0.002	+0-0.001	+0.005 - 0
ØD <sub>1</sub> ≤2.500	+0.004 - 0	+0-0.004	+0-0.001	+0.005 - 0

## DESIGN

PK80J is a compact seal for light to medium duty hydraulic cylinders. It is a double acting piston seal with single acting capabilities - which makes it an excellent choice for double acting applications where minimal dynamic leakage is required.

## FEATURES

- Double acting seal with single acting capabilities
- Excellent wear resistance
- High extrusion resistance
- More tolerant to dirt and contamination

## 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