



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

<b>Operating conditions</b>		
Maximum speed	1.0 m/sec	3.0 ft/sec
Temperature range	-45°C + 80°C	-50°F + 180°F
Maximum pressure	16 Bar	230 p.s.i

**Surface roughness**

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface ØD <sub>1</sub>	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**

Seal diameter ≤ S mm	4.0	5.0	7.5	10.0	12.5	15.0
Min chamfer C mm	3.0	3.5	5.0	6.5	7.0	8.0
Max fillet rad r <sub>1</sub> mm	0.2	0.4	0.8	0.8	1.2	1.6
Seal diameter ≤ S in	0.125	0.187	0.250	0.312	0.375	0.500
Min chamfer C in	0.093	0.093	0.125	0.156	0.187	0.217
Max fillet rad r <sub>1</sub> in	0.008	0.008	0.016	0.016	0.032	0.032

**Tolerances**

	Ød <sub>1</sub>	ØD <sub>1</sub>	L <sub>1</sub> mm
mm	H11	js11	+0.25 - 0
in	H11	js11	+0.010 - 0

**DESIGN**

PAS1 seal design is a breakthrough in pneumatics sealing. The material and profile of the dynamic sealing lip combines both low friction and ultra long life.

PAS1 is designed to give significant improvements in cylinder performance in low lube air conditions and be used in long and short stroke applications. PAS1 can be used in single acting cylinders with a spring return as well as double acting applications.

**FEATURES**

- Effective sealing
- Low friction
- Easy installation
- Excellent temperature range

**MATERIAL**

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

**APPLICATIONS**

Light duty applications