



**Technical Details      Metric      Inch**

Operating conditions	Metric	Inch
Maximum speed	0.55 m/sec	1.5 ft/sec
Temperature range	-30°C + 90°C	-22°F + 194°F
Maximum pressure	17 Bar	250 p.s.i

**Maximum extrusion gap**

Pressure bar	17
Maximum gap mm	250
Pressure p.s.i	0.030

**Surface roughness**

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface ØD <sub>1</sub> in	0.8 max	5 max	32 max	35 max
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 ≤ ØD <sub>1</sub> in	2.000	3.000	6.500
Min chamfer C in	0.187	0.217	0.250
Max fillet rad r <sub>1</sub> in	0.062	0.093	0.125

**DESIGN**

GSHAT is a cup seal designed for use in either single or double acting light duty application. The seal design is responsive to low pressure fluctuations and has very low friction. It is also ideal for pneumatic applications.

The material used provides the seal lip with strength and durability which allows it to have the capability of operating in a wide tolerance tube with a generous surface finish. Additionally, wear and friction are kept to a minimum because of its ability to retain lubricant in the seal area.

**FEATURES**

- Flexible for easy installation
- Long life
- Comes in a wide range of sizes

**MATERIAL**

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

**APPLICATIONS**

Light duty applications