



Technical Details

Metric

Inch

Operating conditions		
Maximum speed	1.0 m/sec	3.0 ft/sec
Temperature range	-45°C + 110°C	-50°F + 230°F
Maximum pressure	700 Bar	10,000 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 ₁ in	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

Seal diameter ≤ ØD ₁ in	3.75	3.000	6.500
Min chamfer C in	0.187	0.217	0.250
Max fillet rad r ₁ in	0.062	0.093	0.125

DESIGN

HR14 is designed to work in conjunction with high performance rod seals. The seal is manufactured in high performance polyurethane and provides valve action.

FEATURES

- Prevents inter seal pressure build up
- Easy installation
- Excellent temperature range
- 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 to medium duty applications