



Technical Details Metric Inch

Operating conditions		
Maximum speed	0.5 m/sec	1.5 ft/sec
Temperature range	-30°C + 100°C	-22°F + 212°F
Maximum pressure	250 Bar	3500 p.s.i

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 Ød ₂	1.6 max	10 max	63 max	70 max
Static Housing faces Ød ₃ L ₁ L ₂	3.2 max	16 max	125 max	140 max

Chamfers & Radii

Groove section ≤ Smm	5.0	7.5	8.0	10.0	12.5	15.0
Min chamfer C mm	2.4	4.0	5.0	5.0	6.5	7.5
Max fillet rad r ₁ mm	0.4	0.4	0.4	0.4	0.8	0.8
Max fillet rad r ₂ mm	0.4	0.4	0.4	0.4	0.8	0.8

Tolerances

ØD ₁	Ød ₁	Ød ₂	Ød ₃	L ₁	L ₂
H10	-0 + 01	+0 - 0.05	± 0.2	- 0 + 0.2	± 0.1

DESIGN

PRCRBULL is a compact doppel ring seal. The seal is designed to have its section compressed by the housing to ensure a good low pressure seal. When pressurised, it is protected from extrusion damage by the profiled support rings.

Additionally, wear rings are fitted into a recess in the support ring, being pressure activated, it helps to guide and support the piston, eliminating any metal to metal contact.

FEATURES

- Compact design
- Easy installation
- Comes in a wide range of sizes and materials

MATERIAL

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

APPLICATIONS

Wide range of applications