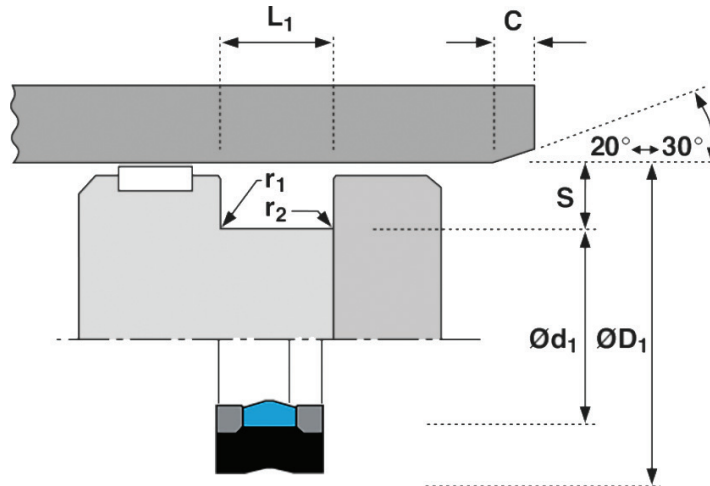




PK23



Technical Details

Metric

Inch

DESIGN

Operating conditions		
Maximum speed	0.3 m/sec	1.0 ft/sec
Temperature range	-40°C + 110°C	-40°F + 230°F
Maximum pressure	700 Bar	10000 p.s.i

PK23 is a top range double acting piston seal which is constructed from tough wear resistant elastomer face which is loaded with an energiser. Its robust seal design ensures high shock and high pressure capabilities.

Maximum extrusion gap

FEATURES

Pressure bar	160	250	500	700
Maximum gap mm	1.00	0.80	0.40	0.25
Pressure p.s.i	2400	3750	7500	10,000

- High shock load capability
- High pressure capability
- Long life

Surface roughness

MATERIAL

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface ØD ₁	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 L ₁	3.2 max	16 max	125 max	140 max

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

APPLICATIONS

Medium to heavy duty applications

Chamfers & Radii

Groove Section ≤ S mm	7.5	10.0	12.5	15.0
Min chamfer C mm	8.0	10.0	13.0	15.0
Max fillet rad r ₁ mm	0.2	0.4	0.8	0.8

Tolerances

ØD ₁	Ød ₁	L ₁
H10	h9	+0.2 - 0