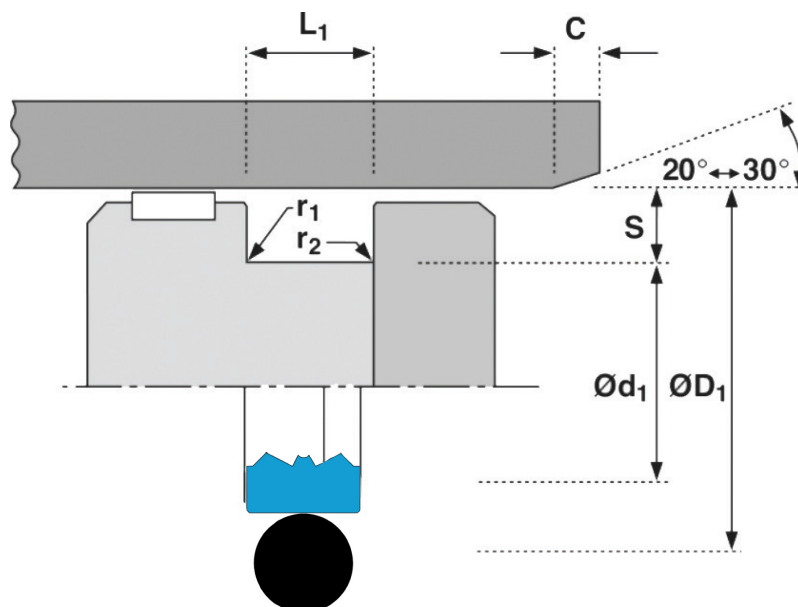




Technical Details

Metric

Inch

Operating conditions		
Maximum speed	1.0 m/sec	3.0 ft/sec
Temperature range	-30°C + 110°C	-22°F + 230°F
Maximum pressure	250 Bar	3600 p.s.i

Maximum extrusion gap

Pressure bar	100	160	250
Maximum gap mm	0.6	0.5	0.4

Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface ØD ₁	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

Groove section ≤S mm	3.75	5.50	7.75	10.50
Min chamfer C mm	2.0	2.5	5.0	5.0
Max fillet rad r ₁ mm	0.4	0.8	1.2	1.6
Groove section ≤S in	0.150	0.220	0.310	0.410
Min chamfer C in	0.080	0.100	0.200	0.200
Max fillet rad r ₁ in	0.016	0.032	0.047	0.063

Tolerances

ØD ₁	Ød ₁	L ₁ mm	L ₁ in
H9	h9	+0.2 - 0	+0.008 - 0

DESIGN

PRKCR is a compact seal that is ideal for light to medium duty hydraulic cylinders. It is a double acting piston seal with single acting capabilities which makes it an excellent choice for double acting applications where minimal dynamic leakage is required.

FEATURES

- Double acting seal with single acting capabilities
- Excellent wear resistance
- Tolerant to dirt and contamination
- High extrusion resistance

MATERIAL

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

APPLICATIONS

Light to medium duty hydraulic applications