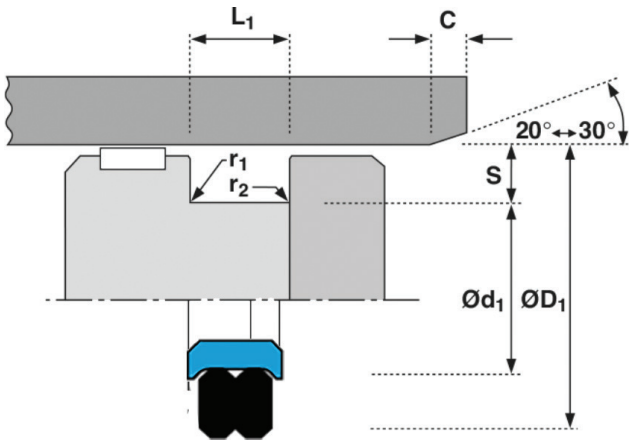
PK8SC



Technical Details

Operating conditions	Metric	Inch
Maximum speed	4.0 m/sec	12.0 ft/sec
Temperature range	-30°C + 100°C	-22°F + 212°F
Maximum pressure	350 Bar	5000 p.s.i

Maximum extrusion gap

Maximum gap in	0.024	0.020	0.018	0.014
Pressure p.s.i	1500	2400	3750	5250

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 L_1	0.129	0.284	0.379
Min chamfer C in	0.125	0.260	0.325
Max fillet rad r_1 in	0.016	0.024	0.032

Tolerances

	$Ød_1$	L_1	
	h9	Js11	
L_1 in	0.129	0.284	0.379
$Ød_1$	±0.001	±0.002	±0.003

DESIGN

PK8SC is a compact double acting piston seal with low friction seal for light to medium duty hydraulic cylinders. It comprised with a glide ring, strengthened with additives to resist creep, which pre loaded by an square ring to be effective for the operating range recommended.

As the pressure rises, the square ring deforms and compresses glide ring against the tube wall increasing the sealing force and the effetiveness of the seal. Only the glide ring is in contact with the sliding surface, friction is very low and stick-slip movement is eliminated.

FEATURES

- Low friction, no stick slip
- Wide range of materials for special applications
- Chamfered corners for easier installation

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