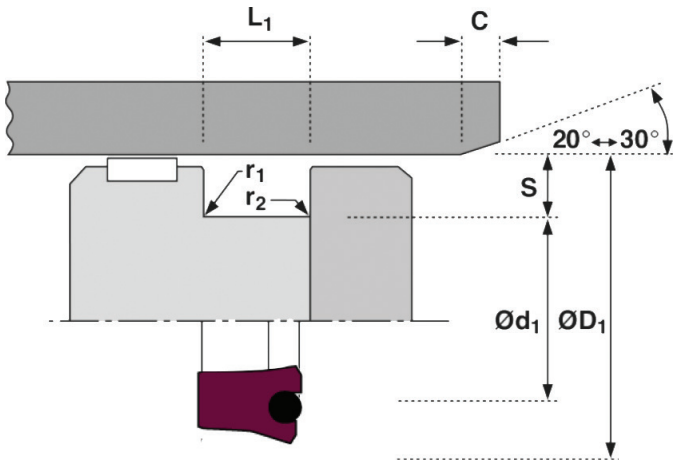
PK18



Technical Details — Metric — Inch

Operating conditions		
Maximum speed	0.5 m/sec	1.5 ft/sec
Temperature range	-40°C + 110°C	-40°F + 230°F
Maximum pressure	350 Bar	5000 p.s.i

Maximum extrusion gap

Pressure bar	160	250	350
Maximum gap mm	0.024	0.020	0.016
Pressure p.s.i	2400	3750	5000

Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface Rod $Ød_1$	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face Rod $ØD_1$	1.6 max	10 max	63 max	70 max
Dynamic sealing surface Piston $Ød_1$	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face Piston $ØD_1$	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 in	0.125	0.187	0.250
Min chamfer C in	0.093	0.093	0.125
Max fillet rad r_1 in	0.08	0.08	0.016
Max fillet rad r_2 in	0.016	0.016	0.032

DESIGN

PK18 seal design is a loaded U cup utilising a polyurethane or polyester shell energised by a highspecification resilitent O ring.

At zero or low pressure, it helps the O ring to increase its sealing force preventing bypass. As pressure rises the sealing force increases and the O ring ensures complete lip actuation under most conditons.

The symmetry of the seal allows it to be used on both rod and piston applications and its flexibility enables easy installation.

FEATURES

- **Excellent resistance to abrasion**
- **Improves sealing**
- **Wide range of sizes**
- **Easy installation**
- **Compact housing**

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

CERTIFIED Product Quality