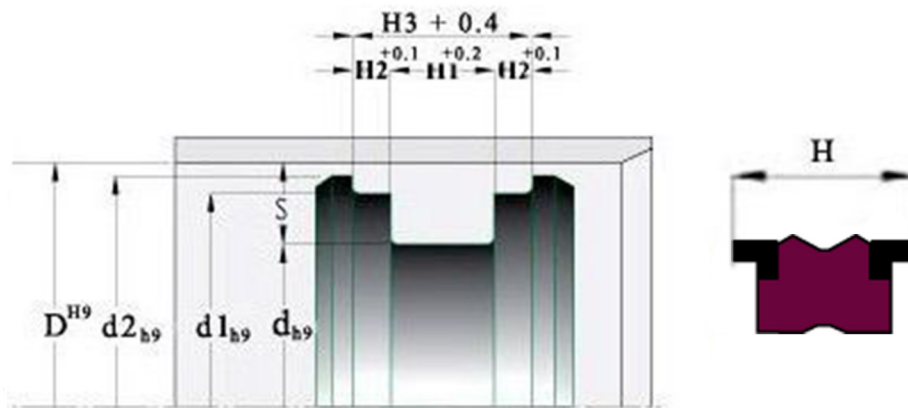




Technical Details

Metric

Inch

DESIGN

Operating conditions		
Maximum speed	0.5 m/sec	1.5 ft/sec
Temperature range	-30°C + 100°C	-22°F + 212°F
Maximum pressure	160 Bar	2500 p.s.i

PK17PB is ideal for light to medium duty piston applications. Its simple and effective design that enables the length of the piston to a minimum. The seal design to ensure an effective sealing at low pressures.

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 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

FEATURES

- Compact design
- Easy assembly
- Low wear
- Long life

MATERIAL

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

Chamfers & Radii

Groove section ≤ S mm	3.75	5.00	6.50
Min chamfer C mm	2.00	2.50	4.00
Max fillet rad r ₁ mm	0.40	0.40	0.40
Max fillet rad r ₂ mm	0.20	0.20	0.20
Groove section ≤ S in	0.156	0.187	0.250
Min chamfer C in	0.078	0.093	0.125
Max fillet rad r ₁ in	0.016	0.016	0.016
Max fillet rad r ₂ in	0.008	0.008	0.008

APPLICATIONS

Light duty applications

Tolerances

	ØD ₁	Ød ₁	Ød ₂	Ød ₃	L ₁	L ₂
mm	H10	h9	h9	h11	+0.4 + 0.13	0 - 0.13
in	H10	h9	h9	h11	+0.015 + 0.005	0 - 0.005