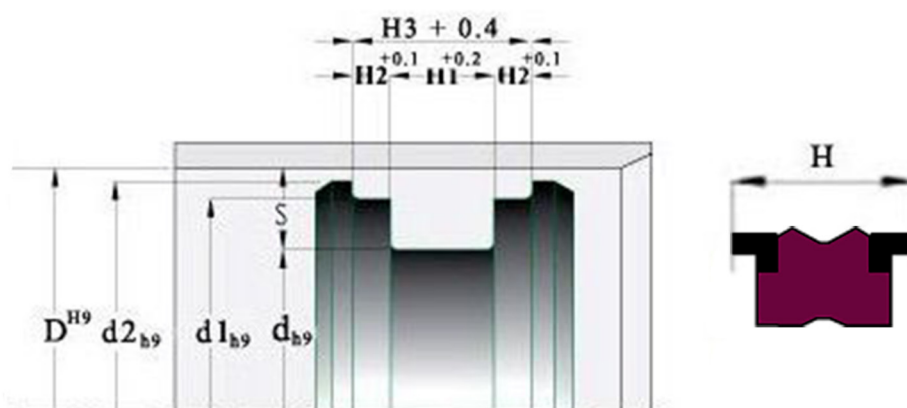




PK17P



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 | 250 Bar | 3500 p.s.i |

PK17P is a compact double acting seal assembly for one piece pistons. The seal is designed to have its section compressed by the housing to ensure a good low pressure seal. When pressurised, it is protected from extrusion damage by the profiled support rings.

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 |

Additionally, wear rings are fitted into a recess in the support ring, being pressure activated, it helps to guide and support the piston, eliminating any metal to metal contact.

FEATURES

- Compact design
- Easy installation
- Comes in a range of sizes and materials

Chamfers & Radii

| | | | | | | |
|----------------------------------|-----|-----|-----|------|------|------|
| Groove section ≤ Smm | 5.0 | 7.5 | 8.0 | 10.0 | 12.5 | 15.0 |
| Min chamfer C mm | 2.4 | 4.0 | 5.0 | 5.0 | 6.5 | 7.5 |
| Max fillet rad r ₁ mm | 0.4 | 0.4 | 0.4 | 0.4 | 0.8 | 0.8 |
| Max fillet rad r ₂ mm | 0.4 | 0.4 | 0.4 | 0.4 | 0.8 | 0.8 |

MATERIAL

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

Tolerances

| ØD ₁ | Ød ₁ | Ød ₂ | Ød ₃ | L ₁ | L ₂ |
|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| H10 | -0 + 01 | +0 - 0.05 | ± 0.2 | - 0 + 0.2 | ± 0.1 |

APPLICATIONS

Light to medium duty applications