



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