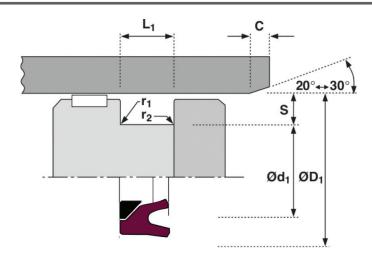




# **X**



# **Technical Details**

#### Metric

#### Inch

# Operating conditions Maximum speed 1.0 m/sec 3.0 ft/sec Temperature range -45°C + 110°C -50°F + 230°F Maximum pressure 700 Bar 10,000 p.s.i

# Maximum extrusion gap

| Pressure bar   | 160    | 250   | 400   | 500   | 700    |
|----------------|--------|-------|-------|-------|--------|
| Maximum gap mm | 1.0    | 0.8   | 0.6   | 0.4   | 0.25   |
| Pressure p.s.i | 2400   | 3750  | 6000  | 7500  | 10,000 |
| Maximum gao in | 0.0410 | 0.032 | 0.024 | 0.016 | 0.010  |

# **Surface roughness**

|                         | μmRa      | μmRt   | μinCLA  | μinRMS  |
|-------------------------|-----------|--------|---------|---------|
| Dynamic sealing surface | 0.1 - 0.4 | 4 max  | 4 - 16  | 5 - 18  |
| Static sealing face     | 1.6 max   | 10 max | 63 max  | 70 max  |
| Static Housing faces    | 3.2 max   | 16 max | 125 max | 140 max |

## **Chamfers & Radii**

| Groove section ≤ Smm  | 4.0   | 5.0   | 7.5   | 10.0  | 12.5  | 15.0  |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Min chamfer C mm      | 3.0   | 3.5   | 5.0   | 6.5   | 7.0   | 8.0   |
| Max fillet rad r mm   | 0.2   | 0.4   | 0.8   | 0.8   | 0.8   | 0.8   |
| Groove section ≤ S in | 0.125 | 0.187 | 0.250 | 0.312 | 0.375 | 0.500 |
| Min chamfer C in      | 0.093 | 0.093 | 0.125 | 0.156 | 0.187 | 0.217 |
| Max fillet rad r in   | 0.008 | 0.008 | 0.016 | 0.032 | 0.032 | 0.032 |

#### **Tolerances**

| Ød | ØD   | L <sub>mm</sub> | L <sub>1</sub> in |
|----|------|-----------------|-------------------|
| Н9 | Js11 | +0.25 - 0       | +0.010 - 0        |

#### **DESIGN**

PK2, is designed to offer a more effective bore sealing in awide variety of applications. It is fitted with a hard plastic anti extrusion ring for a more improves extrusion resistance.

The outer lip of the seal is much shorter and robust and also provides an improved sealing and compression set characteristics.

The seal can be used by itself as a single acting seal or fitted back to back in separate grooves for double acting applications.

#### **FEATURES**

- Excellent wear resistant
- Flexible easy installation
- High resistance to extrusion
- Wide temperature range
- Robust design

#### **MATERIAL**

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

#### **APPLICATIONS**

Medium to heavy duty applications

