



## Technical Details

### Metric

### Inch

Operating conditions		
Maximum speed	5.0 m/sec	15 ft/sec
Temperature range	-30°C + 100°C	-22°F + 194°F
Maximum pressure	400 Bar	6000 p.s.i

## DESIGN

PRCRS is a one piece double acting piston seal and is suitable for solid pistons. PRCRS has a crown seal design which prevents leakage and provides a much more positive seal design.

## FEATURES

- Flexible for easy installation
- Long life
- Excellent wear resistance
- Comes in a wide range of sizes and materials

## Maximum extrusion gap

Pressure bar	750	1500	2250	3000	4500	6000
Gap mm	0.50	0.40	0.30	0.15	0.10	0.05
Gap in	0.020	0.016	0.012	0.006	0.004	0.002
Pressure p.s.i	750	1500	2250	3000	4500	6000

## Surface roughness

	µmRa
Dynamic sealing surface	0.1 - 0.4 µmRa
Static sealing face	0.8 - 1.6 µmRa
Static Housing face	1.4 - 0. 3.2 µmRa

## 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

## Chamfers & Radii

Seal diameter mm	4.00	5.00	7.50	10.00	12.50
Rad mm	0.20	0.40	0.80	0.80	1.20
Chamfer mm	3.20	4.00	6.00	8.00	10.0
Seal diameter in	0.125	0.187	0.250	0.312	0.375
Rad in	0.008	0.016	0.032	0.032	0.048
Chamfer in	0.100	0.150	0.200	0.250	0.300