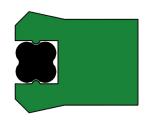
ROD-PISTON SEALS

XPB/MXPB



TECHNICAL DATA

Temperature	-45°C / +110°C		
Pressure	400Bar / 5800PSI		
Speed	1.0 m/sec		
Media	Mineral hydraulic oils Water based hydraulic oils		

TOLERANCES

ØD1	h9	
Ød1	Н9	
L1	-0.00/+0.25mm	

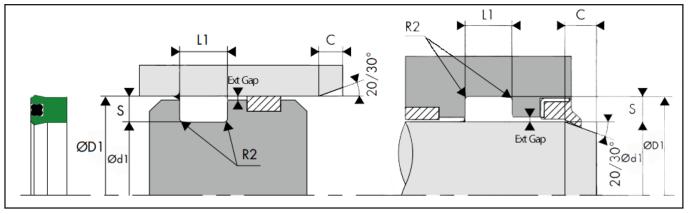
MATERIALS

Sealing face

U-2150 PU 92A - Green 110°C U-4150 PU 92A - Beige 135°C

Quad Ring

NBR 70 Shore A



		Radius &		Max Radial Extrusion Gap		
(Standard Cross Sections)	Chamfers		BAR/PSI			
	R2 (mm)	C (mm)	160/2300	250/3600	400/5800	
0.12	5" or 3.00mm	0.4	2.0	0.20mm (0.008")	0.10mm (0.004")	N/A
0.156	6" or 4.00mm	0.4	2.5	0.35mm (0.014")	0.20mm (0.008")	N/A
0.187	7" or 5.00mm	0.4	2.5	0.35mm (0.014")	0.20mm (0.008")	0.10mm (0.004") *5000 psi Max
0.250	0" or 6.50mm	0.4	3.0	0.45mm (0.018")	0.25mm (0.010")	0.10mm (0.004")
0.312	2" or 7.50mm	0.4	4.0	0.50mm (0.020")	0.30mm (0.012")	0.15mm (0.006")
0.37	5" or 10mm	0.4	5.0	0.50mm (0.020")	0.30mm (0.012")	0.15mm (0.006")
0.500	0" or 12.50mm	0.4	5.0	0.60mm (0.024")	0.30mm (0.012")	0.20mm (0.008")
SURFACE ROUGHNESS SEALS AUSTRALIA						

SURFACE ROUGHNESS

Roughness	Dynamic surface area	Static surface area	Groove flanks
Ra	0.1 - 0.4 μm	≤1.6 µm	≤ 3.2 µm
Rz	0.63 - 2.4 μm	≤6.3 µm	≤10.0 µm
Rmax	1.0 - 4.0 µm	≤10.0 µm	≤16.0 µm

DESCRIPTION

The XPB profile is made from High Performance U2150 polyurethane. It is a Symmetrical energised U Ring, for both Rod and Piston applications. It provides excellent seal ability at low and high pressure due to the integral NBR quad ring and offers very low compression set.

ADVANTAGES

Very good sealing at low pressures Elastic memory preserved using the Quad ring Excellent abrasion resistance

APPLICATIONS

Agriculture Mobile machinery Lifting systems Injection presses Hydraulic cylinders

