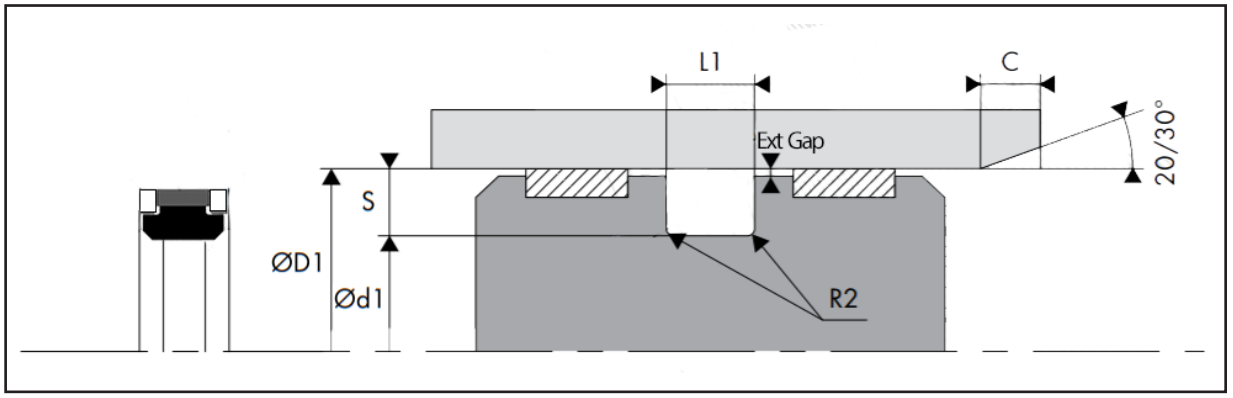
D/A PISTON SEALS

P23LF



TECHNICAL DATA

Temperature	-30°C / +100°C
Pressure	700 bar/10000 psi
Speed	1.0 m/sec
Media	Mineral hydraulic oils

TOLERANCES

ØD1	H9
Ød1	h10
L1	+0.20mm – 0.00mm

MATERIALS

Energiser

NBR 80 Shore A

Profiled Seal

PU 60 Shore D - Grey

Back-up rings

Polyoxymethylene - POM

S (Standard Cross Sections)	**Radius & Chamfers**		**Max Radial Extrusion Gap** BAR/PSI			
	R2 (mm)	**C (mm)**	**260/3800**	**400/5800**	**500/7250**	**700/10000**
5.00 - 7.00mm (0.187" - 0.240")	0.4	4.5	0.50 mm (0.020")	0.40mm (0.015")	0.30mm (0.012")	0.12mm (0.004")
>7.00 - 10.00mm (0.280" - 0.390")	0.4	5.0	0.50 mm (0.020")	0.40mm (0.015")	0.30mm (0.012")	0.12mm (0.004")
>10.00 - 11.50mm (0.453")	0.4	6.5	0.50 mm (0.020")	0.40mm (0.015")	0.30mm (0.012")	0.12mm (0.004")
14.00mm (0.551" - 0.560")	0.4	8.0	0.50 mm (0.020")	0.40mm (0.015")	0.30mm (0.012")	0.12mm (0.004")

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 - 1.44 µm	≤6.3 µm	≤10.0 µm
Rmax	1.0 - 4.0 µm	≤10.0 µm	≤16.0 µm

DESCRIPTION

Our P23LF-XSL is a high pressure, heavy duty profile seal. It utilizes a 60 Shore D self-lubricating polyurethane face. It incorporates an NBR energiser and two acetal Anti-Extrusion rings. The self-lubricated material offers high extrusion & wear resistance, and is suitable in the most arduous of applications capability.

ADVANTAGES

High Pressure Performance
Very good sealing effect
Increase in possible extrusion gaps
Excellent extrusion resistance even during pressure peaks
Excellent abrasion resistance
Assembled by deformation

APPLICATIONS

Mobile hydraulics
Hydraulic cylinders
Underground mining equipment