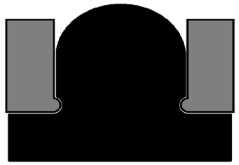
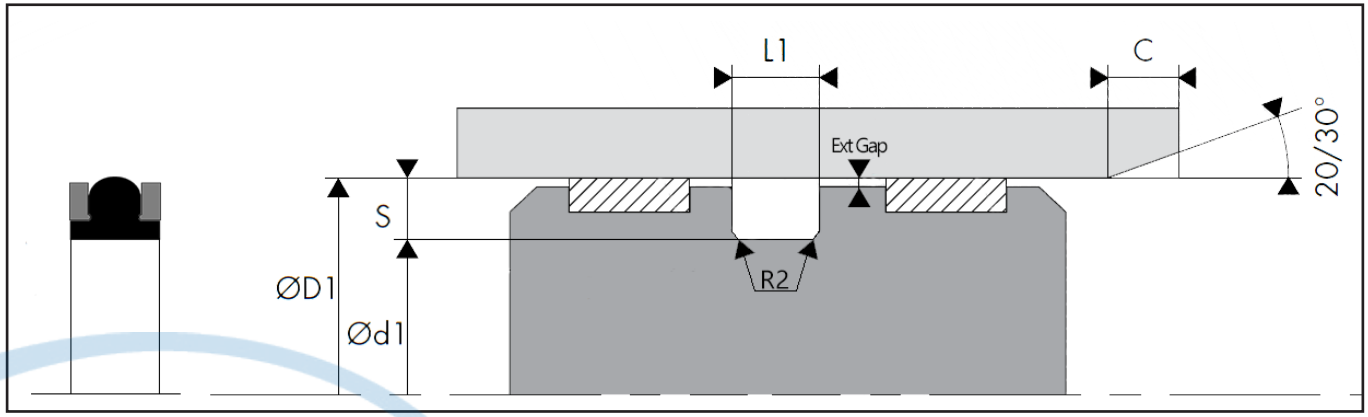
D/A PISTON SEALS

LTP





TECHNICAL DATA

Temperature	-40°C/+100°C
Pressure	345Bar/5000psi
Speed	0.50 m/sec
Media	Mineral hydraulic oils

S (Standard Cross Sections)	Radius & Chamfers		Max Radial Extrusion Gap BAR/PSI		
	R2 (mm)	C (mm)	70/1000	205/3000	345/5000
3.17mm (0.125”)	0.5	3.17	0.63mm (0.025”)	0.20mm (0.008”)	0.13mm (0.005”)
4.75mm (0.187”)	0.6	3.17	0.76mm (0.030”)	0.30mm (0.012”)	0.18mm (0.007”)
6.35mm (0.250”)	0.8	4.75	0.89mm (0.035”)	0.43mm (0.017”)	0.25mm (0.010”) *5000 psi Max

TOLERANCES

ØD1	-0.00/+0.05mm
Ød1	-0.05/+0.00mm
L1	-0.00/+0.12mm

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

MATERIALS

Profiled Seal
NBR 70 Shore A
Anti-Extrusion Ring
Polyamide

DESCRIPTION

Medium duty, double acting piston seal comprising of a NBR sealing element and two Polyamide anti-extrusion rings.

ADVANTAGES

Fits standard O-Ring & backup housings

APPLICATIONS

Mobile hydraulics
Hydraulic cylinders

Hydraulic Seals Australia