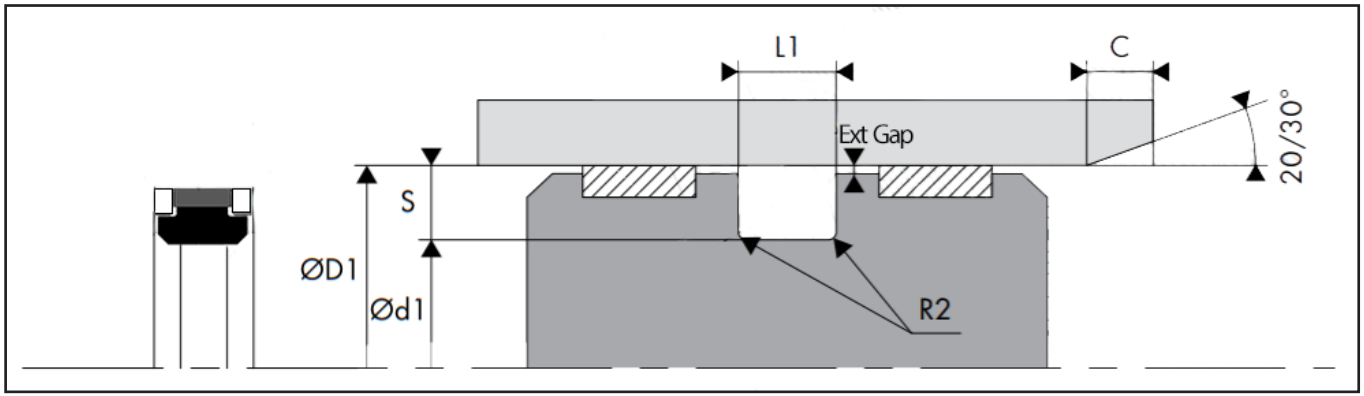
D/A PISTON SEALS

CT-XSL



S (Standard Cross Sections)	Radius & Chamfers		Max Radial Extrusion Gap BAR/PSI		
	R2	C	260/3800	500/7250	700/10000
≤7.00mm	0.80mm	4.50mm	0.40 mm (0.016")	0.30mm (0.012")	0.12mm (0.005")
≤0.187"	0.016"	0.160"			
≤7.50mm	0.80mm	5.00mm	0.40 mm (0.016")	0.30mm (0.012")	0.12mm (0.005")
≤0.240"	0.016"	0.200"			
≤11.50mm	0.80mm	6.50mm	0.40 mm (0.016")	0.30mm (0.012")	0.12mm (0.005")
≤0.365"	0.032"	0.250"			
≤14.00mm	0.80mm	8.00mm	0.40 mm (0.016")	0.30mm (0.012")	0.12mm (0.005")
≤0.470"	0.032'	0.280"			

TECHNICAL DATA

Temperature	-30°C / +100°C
Pressure	700 bar/10000 psi
Speed	1.5 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

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 CT-XSL is a high pressure, heavy duty profile improving on the bronze PTFE capped CT by utilizing a 60 Shore D self-lubricating polyurethane face. It incorporates an NBR energiser and two acetal Anti-Extrusion rings. The 60 Shore D sealing cap offers high extrusion & wear resistance, and is suitable in the most arduous of applications

ADVANTAGES

High Pressure Performance.
Very good sealing effect.
Increase in possible extrusion gaps.
Excellent extrusion resistance during pressure peaks.
Excellent abrasion resistance.
Easy simple assembly.
Minimal stick-slip

APPLICATIONS

Mobile hydraulics
Hydraulic cylinders
Underground mining equipment