# D/A PISTON SEALS



#### **TECHNICAL DATA**

Temperature	-30°C / +100°C
Pressure	500 bar/7250 psi
Speed	1.5 m/sec
Media	Mineral hydraulic oils

#### **TOLERANCES**

ØD1	H9
Ød1	h10
L1	+0.20mm – 0.00mm

#### **MATERIALS**

### **Energiser**

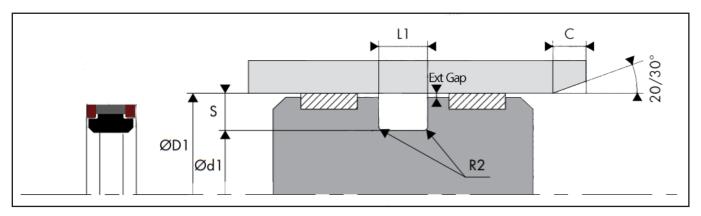
NBR 80 Shore A

#### **Sealing face**

BFT 64 Shore D - Bronze

#### **Back-up rings**

Polyoxymethylene - POM



S	Radius &		Max Radial Extrusion Gap		
(Standard Cross Sections)		BAR/PSI			
Sections)	R2	С	260/3800	400/5800	500/7250
≤7.00mm	0.80mm	4.50mm	0.40 mm (0.01E")	0.20mm (0.012")	0.25mm (0.010")
≤0.187"	0.016"	0.160"	0.40 mm (0.015")	0.30mm (0.012")	0.25mm (0.010")
≤7.50mm	0.80mm	5.00mm	0.40 mans (0.015")	0.20,000 (0.012")	0.35 mm (0.010")
≤0.240"	0.016"	0.200"	0.40 mm (0.015")	0.30mm (0.012")	0.25mm (0.010")
≤11.50mm	0.80mm	6.50mm	0.40 mans (0.015")	0.20000 (0.012")	0.35 may (0.010")
≤0.365″	0.032"	0.250"	0.40 mm (0.015")	0.30mm (0.012")	0.25mm (0.010")
≤14.00mm	0.80mm	8.00mm	0.40 mans (0.015")	0.20**** (0.012*)	0.25 (0.010")
≤0.470"	0.032'	0.280"	0.40 mm (0.015")	0.30mm (0.012")	0.25mm (0.010")

## SURFACE ROUGHNESS

ACE 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 is a medium to heavy duty profile commonly used in earthmoving equipment. It incorporates an NBR energiser, two acetal Anti-Extrusion rings and a bronze teflon face which provides minmal stick-slip.

#### **ADVANTAGES**

Very good sealing effect Minimal stick-slip SImple groove design

#### **APPLICATIONS**

Mobile hydraulics Hydraulic cylinders Underground mining equipment

