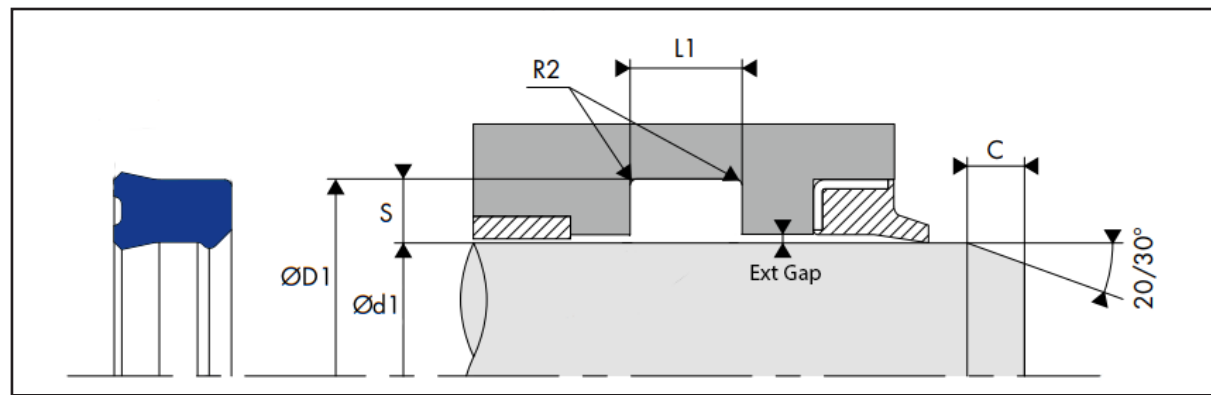
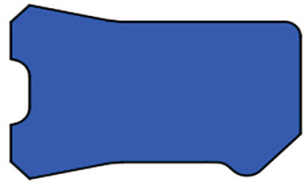


ROD SEALS

TILM



TECHNICAL DATA

Temperature	-35°C / +100°C
Pressure	5,800 PSI / 400 BAR
Speed	1.0 m/sec
Media	Mineral hydraulic oils Water based hydraulic oils

TOLERANCES

ød1	f7
øD1	H9
L1	+0.010" (+0.25)

MATERIALS

Profiled seal
PU 95 Shore A - Blue

S	Radius & Chamfers		Max Radial Extrusion Gap			
			BAR/PSI			
	R2 (mm)	C (mm)	160/2300	260/3800	320/4600	400/5800
3.00 - 5.00mm	0.4	2.50	0.50mm	0.40mm	0.35mm	N/A
>5.00 - 7.50mm	0.4	3.00	0.55mm	0.45mm	0.40mm	0.35mm
>7.50 - 12.50mm	0.4	4.00	0.60mm	0.50mm	0.45mm	0.40mm
15.00mm	0.4	5.00	0.65mm	0.55mm	0.45mm	0.40mm

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

DESCRIPTION

The TILM profile is a U-ring type single acting compact rod seal with matching, symmetrical primary lips and a secondary lip for increased stability. It is composed of a very dense polyurethane body.

ADVANTAGES

Good sealing at both high and low pressures
Excellent abrasion resistance

APPLICATIONS

Mobile hydraulics
Material handling - Lifting Presses
Hydraulic cylinders