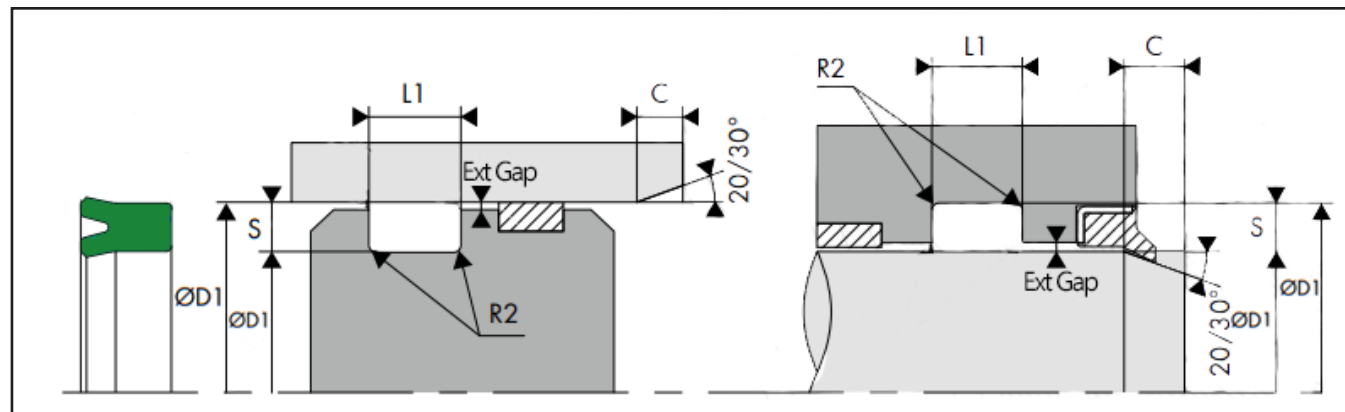
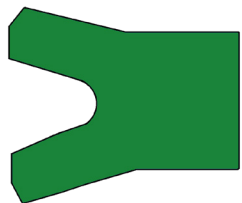


Rod/Piston Seals

HU



TECHNICAL DATA

Temperature	-45°C / +110°C
Pressure	400bar/5800psi
Speed	0.50 m/sec
Media	Mineral based oils Water based hydraulic oils

TOLERANCES

ØD1	h9
Ød1	H9
L1	+0.20 - 0.00mm

MATERIALS

Sealing face
U-2150 PU 92A - Green 110°

S (Standard Cross Sections)	Radius & Chamfers		Max Radial Extrusion Gap		
			BAR/PSI		
	R2 (mm)	C (mm)	160/2300	250/3600	400/5800
0.125" or 3.00mm	0.4	2.0	0.008" (0.20mm)	0.004" (0.10mm)	N/A
0.156" or 4.00mm	0.4	2.5	0.011" (0.28mm)	0.006"(0.15mm)	N/A
0.187" or 5.00mm	0.4	2.5	0.014" (0.35mm)	0.008" (0.20mm)	0.004" (0.10mm)
0.250"	0.4	3.0	0.018" (0.45mm)	0.010" (0.25mm)	0.004" (0.10mm)
0.312" or 7.50mm	0.4	4.0	0.020" (0.50mm)	0.012" (0.30mm)	0.006" (0.15mm)
0.375" or 10mm	0.4	5.0	0.020" (0.50mm)	0.012" (0.30mm)	0.006" (0.15mm)

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

DESCRIPTION

The HU profile is a Single Acting Symmetrical U-Cup available in our high performance polyurethane U2150. It can be used in both Piston or rod applications.

ADVANTAGES

Optimised sealing effect
Excellent abrasion resistance
Very good wear resistance

APPLICATIONS

Agriculture
Mobile machinery
Lifting systems
Injection presses
Hydraulic cylinders