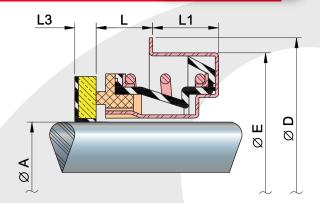
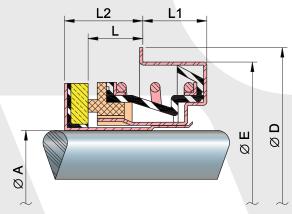
# **Automotive**









COMPONENTS (INCHES)

Α	Е	D	L	L	L <sub>3</sub>
±0.002	±0.002	±0.010	±0.015	±0.005	±0.015
1/2	1.130	1.320	0.188	0.345	0.210
1/2	1.185	1.385	0.188	0.345	0.210
1/2	1.315	1.503	0.188	0.345	0.210
5/8	1.440	1.625	0.265	0.345	0.200
5/8	1.504	1.718	0.265	0.345	0.200
5/8	1.540	1.740	0.265	0.345	0.200

### INTEGRATED (INCHES)

INTEGRATED (INCIDES)					
Α	Ш	D	L	L <sub>1</sub>	$L_2$
±0.002	±0.002	±0.010	±0.015	±0.005	±0.015
1/2	1.130	1.320	0.188	0.345	0.405
1/2	1.185	1.385	0.188	0.345	0.405
1/2	1.315	1.503	0.144	0.345	0.361
5/8	1.440	1.625	0.265	0.345	0.485
5/8	1.504	1.818	0.265	0.345	0.485
5/8	1.554	1.740	0.265	0.345	0.485

#### INTEGRATED (MM)

111123131123 (11111)					
Α	Е	D	L	L	$L_2$
±0.05	±0.05	±0.25	±0.38	±0.13	±0.38
12	28.70	33.53	5.08	8.76	10.11
12	30.10	35.18	5.08	8.76	10.11





## **Materials**

Metallic Parts

**Spring** 

**Rotary Face** 

**Bellow** 

WW Seat

- > Stainless Steel 304, Brass.
- > Stainless Steel 304.
- > Phenolic Carbon, Graphite Carbide, Sintered Silicon Carbide.
- NBR (Nitrile®), FKM (Vitón®), E.P.R (EPDM)
- > Stainless Steel, Ceramic, Sintered Steel, Ceramic, Silicon Carbide

Operation limits				
	Max. 10,000 R.P.M*			
Pressure	100 PSI (7.0Kg/cm²)**			
Temperature limits	-57 °C a 204 °C***			

\*Depends on the diameter of the shaft.
\*\*It depends on the combination of material of the faces.

\*\*\*Depends on the material of the elastomer.

#### **Applications:**

Mechanical seal VAZEL line "C", is used in automotive water pumps.