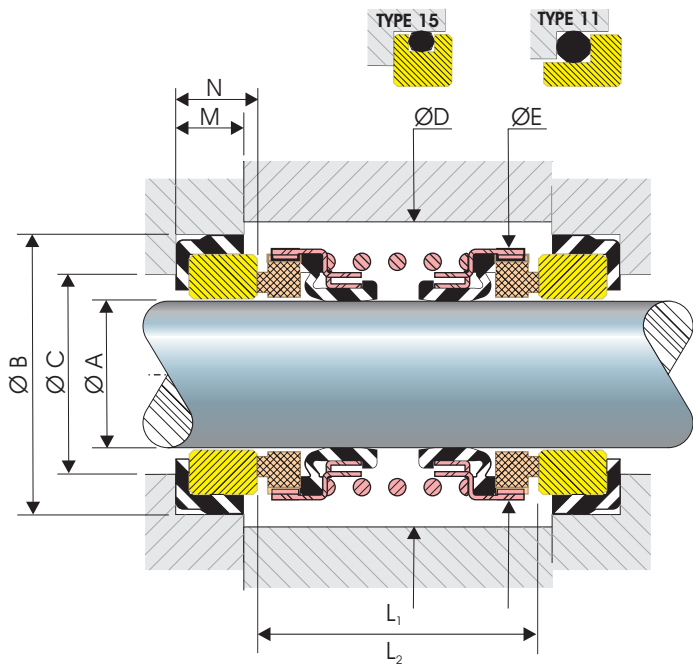


LINE "A3"



CHARACTERISTICS

Applications:

VAZEL mechanical seal Line "A3" is used in water pumps, it can also be used in pumps of rotary turbines and outward-flow turbines, mixers, motorized speed reducer and similar rotary equipments.

Design:

Mechanical seal with rubber bellows, low cost, with stainless steel 300 series metallic parts, with non-clogging single spring.

Materials:

	1	Metallic parts.....	304 Stainless Steel
	2	Springs.....	304 Stainless Steel
	3	Faces.....	Graphite Carbon, Phenolic Carbon
	4	Packing.....	Nitrile, Viton®, Neoprene®, E.P.R.
	5	Seal.....	Alumina, Silicon Carbide, Tungsten Carbide, 316 Stainless Steel, Ni-Resist

OPERATIONAL LIMITS

OPERATION	LIMITS
SHAFT SPEED	2,500 RPM*
PRESSURE	125 PSI (8.8 kg/cm ²)

*Depending on shaft's diameter

INSTALLATION CRITERIA

SHAFT	LIMITS
SURFACE FINISH	32 a 63 Ra
OUT OF ROUNDNESS	± 0.051mm / 0.002"
EXTREME AXIAL MOVEMENT	± 0.013mm / 0.005"

Dimensions

A	B	C	D	E	L ₁	L ₂	M	N
±0.002	±0.002	REF.	±0.015	±0.015	±0.015	±0.015	±0.005	±0.015
3/8	0.875	0.438	1.062	0.937	1.475	1.100	0.250	0.312
1/2	1.000	0.563	1.187	1.062	1.485	1.110	0.250	0.312
5/8	1.250	0.688	1.343	1.218	1.610	1.172	0.344	0.406
3/4	1.375	0.813	1.468	1.343	1.610	1.171	0.344	0.406
7/8	1.500	0.938	1.656	1.531	1.680	1.250	0.344	0.406
1	1.625	1.063	1.750	1.625	1.880	1.318	0.375	0.438
1-1/8	1.750	1.188	1.870	1.745	1.943	1.380	0.375	0.438
1-1/4	1.875	1.313	2.000	1.875	2.005	1.442	0.375	0.438
1-3/8	2.000	1.438	2.125	2.000	2.067	1.505	0.375	0.438
1-1/2	2.125	1.563	2.250	2.125	2.067	1.505	0.375	0.438
1-5/8	2.375	1.688	2.500	2.375	2.400	1.775	0.438	0.500
1-3/4	2.500	1.813	2.625	2.500	2.400	1.775	0.438	0.500
1-7/8	2.625	1.938	2.750	2.625	2.525	1.900	0.438	0.500
2	2.750	2.063	2.937	2.812	2.525	1.900	0.438	0.500
2-1/8	3.000	2.188	3.125	3.000	2.795	2.106	0.500	0.562
2-1/4	3.125	2.313	3.250	3.125	2.795	2.106	0.500	0.562
2-3/8	3.250	2.438	3.375	3.250	2.920	2.231	0.500	0.562
2-1/2	3.375	2.563	3.500	3.375	2.920	2.23	0.500	0.562
2-5/8	2.375	2.688	3.750	3.625	3.170	2.356	0.562	0.625
2-3/4	3.500	2.813	3.875	3.750	3.170	2.356	0.562	0.625
2-7/8	3.750	2.938	4.000	3.875	3.295	2.481	0.562	0.625
3	3.875	3.125	4.187	4.062	3.295	2.481	0.562	0.625

NOTE: All measurements are in inches.

TEMPERATURE LIMITS

