



Materials

- Metallic Parts > Stainless Steel 316
- Spring > Stainless Steel 316
- Rotary Face > Graphite Carbide, Silicon Carbide
- Bellow > NBR (Nitrile) , FKM (Viton®), E.P.R (EPDM)
- Seat > Silicon Carbide, Ceramic, Tungsten Carbide, Stainless Steel, Ni-Resist

Dimensions (Inches)

SIZE	A	B	C	D	E	F	G	H
No.	±0.002	±0.015	MIN.	MAX.	±0.015	±0.015	±0.015	±0.015
20	1.250	4.250	1.812	1.687	2.062	0.687	3.213	0.500
22	1.375	4.375	1.937	1.812	2.062	0.750	3.338	0.500
24	1.500	4.875	2.125	2.000	2.125	0.875	3.599	0.500
26	1.625	5.000	2.250	2.125	2.125	1.000	3.766	0.562
28	1.750	5.250	2.375	2.250	2.125	1.000	3.875	0.562
30	1.875	5.250	2.500	2.375	2.125	1.000	3.875	0.562
32	2.000	5.500	2.750	2.687	2.312	1.125	4.000	0.562
34	2.125	5.875	2.875	2.812	2.312	1.125	4.469	0.687
36	2.250	6.500	2.875	2.750	2.312	1.250	4.566	0.687
38	2.375	6.500	3.125	3.062	2.466	1.250	4.719	0.687
40	2.500	6.750	3.375	3.250	2.563	1.250	5.000	0.687

Operation Limits

Velocity	Max. 3,600 R.P.M*
Pressure	250 PSI (17.6 Kg/cm ²)**
Temperature limits	-57°C to 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:

The VAZEL line "81" mechanical seal is used in industrial pumps, rotary turbines, centrifuges or agitators. It works with hydraulic fluids and aqueous solutions, depending on the combination of materials.