

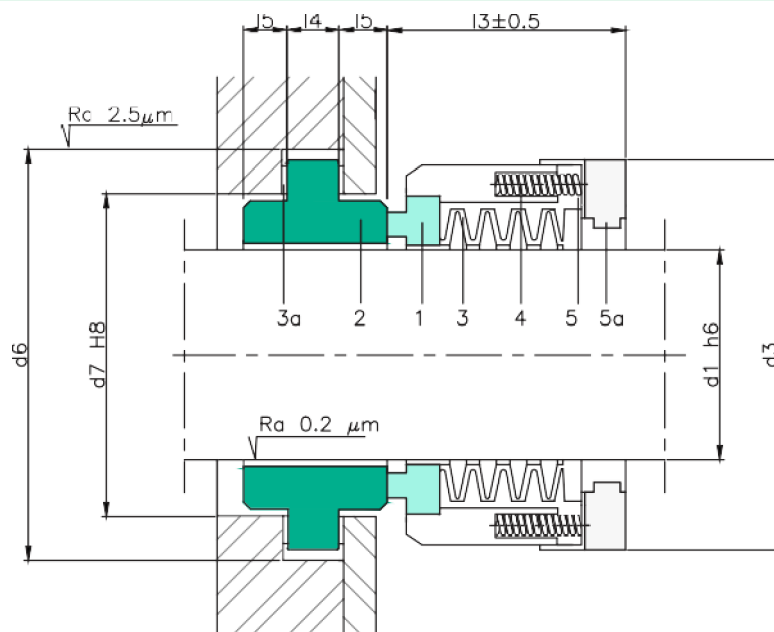


**COMPONENTS**

- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 Bellows
- 3a PTFE gasket
- 4 Spring
- 5 Ring
- 5a Set screw

**SECTOR**

- Process Industries
- Oil and Gas Industries
- Refinery Industries
- Pulp petrochemical industries
- Chemical industry
- Powerplants industry
- Water Technology industry
- Sugar Industries
- Horizontal and Vertical Pump
- Reactors and Mixer



**ET9**

**OPERATING RANGE**

$d_1 = 25 \div 100\text{mm}$ ,  $p = 12 \text{ kg/cm}^2$ ,  $v = 16 \text{ m/s}$ ,  $t = -40 \div +200\text{oC}$  (\*)

(\*) The temperature resistance depends on the material of the secondary seals used.

The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

**DESCRIPTION**

This mechanical seal model is mostly made of PTFE and other materials that are resistant to chemically aggressive products.

The metal parts are isolated from the process fluid.

**SEAL FACE MATERIALS.**

- Antimony impregnated carbon graphite
- Resin impregnated carbon graphite
- Sintered silicon carbide
- Reaction bonded silicon carbide
- Tungsten carbide

**FEATURES**

- For unstepped shafts
- Single seal
- Balanced
- Independent of direction of rotation
- Encapsulated rotating spring

**ADVANTAGE**

- Especially designed for solids containing and highly viscous media
- Springs are protected from the product
- Rugged and reliable design
- No damage of the shaft by dynamically loaded O-Ring
- Universal application
- Variant for operation under vacuum available
- Variant for sterile operation available

**DIMENSIONS IN INCHES**

Shaft		Rotary part		Stationary part			
(")	mm	d3	l3	d6	d7	l4	l5
0,875	22,23	57	31	51	40,6	8	4,8
1000	25,40	61	33	54	42,9	8	4,8
1125	28,58	67	36	65	50,8	11	8
1250	31,75	70	37	68	54	11	8
1375	34,93	73	38	71	57,2	11	8
1500	38,10	76	38	78	63,5	11	8
1625	41,28	80	40	84	69,9	11	8
1750	44,45	83	40	84	69,9	11	8
1875	47,63	86	43	97	79,4	14,3	9,5
2000	50,80	89	43	97	79,4	14,3	9,5
2125	53,98	103	53	103	95,7	14,3	9,5
2250	57,15	107	53	106	88,9	14,3	9,5
2375	60,33	110	53	106	88,9	14,3	9,5
2500	63,50	113	53	110	92,1	14,3	9,5
2625	66,68	116	53	116	98,4	14,3	9,5
2750	69,85	118	53	116	98,4	14,3	9,5
2875	73,03	122	53	121	103,2	14,3	9,5
3000	76,20	126	53	121	103,2	14,3	9,5
3250	82,55	150	73	138	120,7	14,3	9,5
3500	88,90	156	73	144	127	14,3	9,5
3750	95,25	163	73	144	127	14,3	9,5
4000	101,60	169	73	151	133,4	14,3	9,5

Dimensions subject to changes or modifications.

