

ATB16

SECTORS:



CHARACTERISTICS:

- Unbalanced.
- Not dependent on the rotation direction.
- External mounting.

OPERATING LIMITS:

$d_1 = 25$ to 100 mm $p = 12$ kg/cm²

$v = 16$ m/s $t = -40$ to $+200^\circ\text{C}$ (*)

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

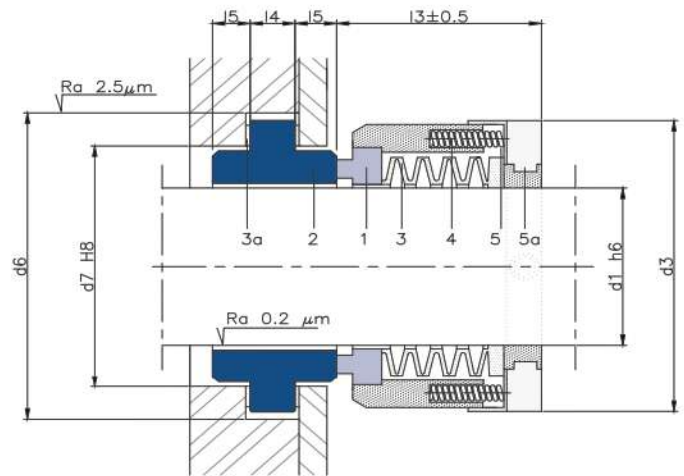
The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

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.

COMPONENTS:

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



DIMENSIONS CHART Dimensions in mm

Shaft mm	Rotary part		Stationary part			
	d_3	l_3	d_6	d_7	l_4	l_5
20	57	31	51	40.6	8	4.8
25	61	33	54	42.86	8.0	4.8
28	67	36	65	50.80	11.0	8.0
30	70	37	68	53.98	11.0	8.0
32	70	37	68	53.98	11.0	8.0
33	73	38	71	57.15	11.0	8.0
35	73	38	71	57.15	11.0	8.0
38	76	38	78	63.50	11.0	8.0
40	80	40	81	66.68	11.0	8.0
43	83	40	84	69.85	11.0	8.0
45	83	40	84	69.85	11.0	8.0
48	89	43	97	79.38	14.3	9.5
50	89	43	97	79.38	14.3	9.5
53	103	53	100	82.55	14.3	9.5
55	107	53	103	85.73	14.3	9.5
58	110	53	106	88.90	14.3	9.5
60	110	53	106	88.90	14.3	9.5
63	113	53	110	92.08	14.3	9.5
65	116	53	113	95.25	14.3	9.5
68	118	53	116	98.43	14.3	9.5
70	118	53	116	98.43	14.3	9.5
75	126	53	121	103.19	14.3	9.5
80	150	73	132	114.30	14.3	9.5
85	156	73	138	120.65	14.3	9.5
90	163	73	144	127.00	14.3	9.5
95	163	73	144	127.00	14.3	9.5
100	169	73	151	133.35	14.3	9.5

Dimensions subject to changes or modifications.

DIMENSIONS CHART For Imperial Shaft Sizes

Shaft (^o) mm	Rotary part		Stationary part				
	d_3	l_3	d_6	d_7	l_4	l_5	
0.875	22.23	57	31	51	40.6	8	4.8
1.000	25.40	61	33	54	42.9	8	4.8
1.125	28.58	67	36	65	50.8	11	8
1.250	31.75	70	37	68	54	11	8
1.375	34.93	73	38	71	57.2	11	8
1.500	38.10	76	38	78	63.5	11	8
1.625	41.28	80	40	84	69.9	11	8
1.750	44.45	83	40	84	69.9	11	8
1.875	47.63	86	43	97	79.4	14.3	9.5
2.000	50.80	89	43	97	79.4	14.3	9.5
2.125	53.98	103	53	103	95.7	14.3	9.5
2.250	57.15	107	53	106	88.9	14.3	9.5
2.375	60.33	110	53	106	88.9	14.3	9.5
2.500	63.50	113	53	110	92.1	14.3	9.5
2.625	66.68	116	53	116	98.4	14.3	9.5
2.750	69.85	118	53	116	98.4	14.3	9.5
2.875	73.03	122	53	121	103.2	14.3	9.5
3.000	76.20	126	53	121	103.2	14.3	9.5
3.250	82.55	150	73	138	120.7	14.3	9.5
3.500	88.90	156	73	144	127	14.3	9.5
3.750	95.5	163	73	144	127	14.3	9.5
4.000	101.0	169	73	151	133.4	14.3	9.5

