

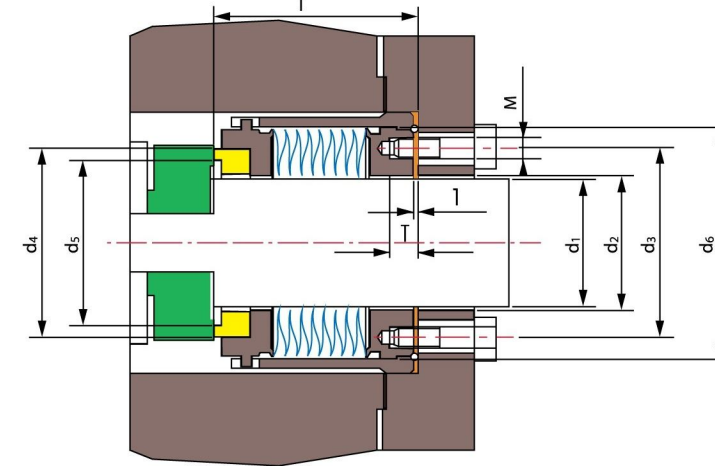
### TSMB-B04

#### Operating Limits

Pressure:  $\leq 2.5\text{MPa}$   
 Speed:  $\leq 20\text{m/s}$   
 Temperature:  $-100^{\circ}\text{C} \sim +400^{\circ}\text{C}$

- Rotary Ring(SiC/Carbon/TC)
- Stationary Ring(SiC/TC)
- Secondary Seal(VITON/Encapsulated Ring/Flexible Carbon)
- Metal Bellows(SUS316L/AM350/Inconel718/Titanium/Hastelloy-C/Alloy-20)
- Other Parts(SUS304/SUS316/Titanium/Hastelloy-C)

d (mm)	d <sub>3</sub>	d <sub>6</sub>	d <sub>7</sub>	d <sub>8</sub>	l <sub>1</sub>	l <sub>3</sub>	l <sub>5</sub>	l <sub>6</sub>	l <sub>7</sub>	l <sub>8</sub>	l <sub>9</sub>	l <sub>2</sub>
16	38	29.0	35.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5
18	40	31.0	37.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5
20	42	34.0	40.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5
22	44	37.0	43.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5
24	46	37.0	43.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5
25	47	39.0	45.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5
28	50	42.0	48.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5
30	52	44.0	50.0	3	58.0	46.5	2.0	5	9	19.5	11.5	5
32	54	49.0	56.0	4	60.5	46.5	2.0	6	9	22.0	14.0	5
33	55	49.0	56.0	4	60.5	46.5	2.0	6	9	22.0	14.0	5
35	57	51.0	58.0	4	60.5	46.5	2.0	6	9	22.0	14.0	5
38	60	54.0	61.0	4	60.5	46.5	2.0	6	9	22.0	14.0	5
40	66	56.0	63.0	4	61.5	47.5	2.0	6	9	22.0	14.0	6
43	69	59.0	66.0	4	61.5	47.5	2.0	6	9	22.0	14.0	6
45	71	62.0	70.0	4	62.5	47.5	2.5	6	9	23.0	15.0	6
48	74	65.0	73.0	4	62.5	47.5	2.5	6	9	23.0	15.0	6
50	76	67.0	75.0	4	62.5	47.5	2.5	6	9	23.0	15.0	6
53	79	70.0	78.0	4	62.5	47.5	2.5	6	9	23.0	15.0	6
55	81	72.0	80.0	4	62.5	47.5	2.5	6	9	23.0	15.0	6
58	85	75.0	83.0	4	68.0	53.0	2.5	6	9	23.0	15.0	6
60	87	77.0	85.0	4	68.0	53.0	2.5	6	9	23.0	15.0	6
63	90	81.0	90.0	4	71.0	53.0	2.5	7	9	26.0	18.0	6
65	92	83.0	92.0	4	71.0	53.0	2.5	7	9	26.0	18.0	6
68	95	88.0	97.0	4	71.0	53.0	2.5	7	9	26.0	18.0	6
70	97	88.0	97.0	4	71.0	53.0	2.5	7	9	26.0	18.0	6
75	102	95.0	105.0	4	71.0	52.8	3.0	7	9	26.2	18.2	6
80	107	100.0	110.0	4	71.0	52.8	3.0	7	9	26.2	18.2	6
85	112	105.0	115.0	4	71.0	52.8	3.0	7	9	26.2	18.2	6
90	117	110.0	120.0	4	71.0	53.8	3.0	7	9	25.2	17.2	6
95	122	115.0	125.0	4	71.0	53.8	3.0	7	9	25.2	17.2	6
100	127	122.2	134.3	5	74.0	54.0	3.0	9	11	30.0	20.0	6



### TSMB-B05

#### Operating Limits

Pressure:  $\leq 2.5\text{MPa}$   
 Speed:  $\leq 30\text{m/s}$   
 Temperature:  $-20^{\circ}\text{C} \sim +400^{\circ}\text{C}$

- Rotary Ring(SiC/TC)
- Stationary Ring(SiC/Carbon/TC)
- Secondary Seal(Encapsulated Ring/Flexible Carbon)
- Metal Bellows(SUS316L/AM350/Inconel718/Titanium/Hastelloy-C/Alloy-20)
- Other Parts(SUS304/SUS316/Titanium/Hastelloy-C)

shaft (inches)	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	d <sub>6</sub>	l	M	T
19	16~19	20.5	29	30.3	25.3	45.0	33.5	4 x M4	6
24	20~24	25.5	35	38.8	33.8	49.0	33.5	4 x M4	6
30	25~30	31.5	40	43.6	38.6	55.0	34.5	6 x M4	6
35	31~35	36.0	45	45.8	40.8	59.0	33.0	6 x M4	6
40	36~40	41.0	50	51.5	46.5	65.0	30.5	6 x M4	6
45	41~45	46.0	55	55.2	50.2	69.0	35.5	6 x M4	6
51	46~51	52.0	63	64.7	59.7	76.5	40.5	6 x M5	7
60	52~60	61.0	70	70.6	65.6	84.0	32.0	6 x M5	7
70	61~70	71.0	80	82.8	76.8	95.0	38.0	6 x M5	7
82	71~82	83.5	95	98.0	92.0	112.0	41.0	6 x M6	7
88	83~88	89.5	100	107.7	101.7	120.0	47.0	6 x M6	7
100	89~100	101.0	112	112.7	106.7	130.0	47.0	6 x M6	7