



TS 8-B1

Operating Limits

Pressure: $\leq 2.5\text{MPa}$
 Speed: $\leq 25\text{m/s}$
 Temperature: $-20^\circ\text{C} \sim 200^\circ\text{C}$

Stationary Seats:

TS 8-B1 equip with "P" type stationary seats.

- Rotary Ring (Carbon/SiC/TC)
- Stationary Ring (99%Ceramic/SiC/TC)
- Secondary Seal(NBR/ VITON / Encapsulated Ring)
- Spring & Other Parts (SUS304/SUS316)

Features of structure:

1. Adopt "O" ring, rotary ring connected by circlip.
2. Applied in various rotating equipments, such as centrifugal agitators and agitator crushers.
3. Double directions mechanical driven, minimize the shaft and sleeve fretting.
4. Multi-spring and balance; comply with API 610 standard.

Seal size (inches)	d	d ₀	d ₃	d ₄	d ₆	d ₇	l ₁	l ₃	l ₄
0.625	12.7	15.87	30.8	34	14.5	25.60	27.0	7.90	7.5
0.750	15.9	19.05	34.0	37	17.5	31.95	30.0	10.30	7.8
0.875	19.1	22.22	37.2	40	21.0	35.12	32.0	10.30	8.0
1.000	22.2	25.40	40.3	43	24.0	38.30	33.0	10.30	8.0
1.125	25.4	28.58	43.4	46	27.5	41.48	35.0	11.15	7.9
1.250	28.6	31.75	48.3	51	30.5	44.65	35.0	11.15	7.9
1.375	28.6	34.93	51.3	54	30.5	44.65	37.0	11.15	8.7
1.500	31.8	38.10	54.5	58	33.5	47.83	37.0	11.15	8.7
1.625	34.9	41.28	60.8	64	37.5	51.00	45.0	11.15	8.7
1.750	38.1	44.45	64.0	67	40.0	54.18	45.0	11.15	9.5
1.875	41.3	47.62	67.2	70	43.5	60.53	45.0	12.75	9.5
2.000	44.5	50.80	70.4	73	46.5	63.70	45.0	12.75	9.5
2.125	47.6	53.98	76.7	80	49.5	66.88	52.0	12.75	11.1
2.250	50.8	57.15	79.9	83	53.0	70.05	52.0	12.75	11.1
2.375	54.0	60.33	83.1	86	56.0	76.40	52.0	14.33	11.1
2.500	57.2	63.50	86.2	89	59.0	79.58	52.0	14.33	11.1
2.625	60.3	66.68	89.4	92	62.5	82.75	52.0	14.33	11.1
2.750	63.5	69.85	92.6	96	65.5	85.93	52.0	14.33	11.1
2.875	66.7	73.03	95.8	99	68.5	85.93	52.0	15.93	11.1
3.000	69.9	76.20	97.3	100	72.0	89.10	52.0	15.93	11.1
3.125	73.0	79.38	100.5	104	75.0	95.45	52.0	15.93	11.1
3.250	76.2	82.55	105.3	108	78.5	98.63	52.0	15.93	14.3
3.375	79.4	85.73	108.5	111	81.5	101.80	52.0	19.84	14.3
3.500	82.6	88.90	111.6	115	84.5	104.98	52.0	19.84	14.3
3.625	85.7	92.08	114.8	118	88.0	108.15	52.0	19.84	14.3
3.750	88.9	95.25	118.0	121	91.0	111.33	52.0	19.84	14.3
3.875	92.1	98.43	121.2	124	94.0	114.50	52.0	19.84	14.3
4.000	95.3	101.60	124.3	127	97.5	117.68	52.0	19.84	14.3
4.125	98.4	104.78	127.0	134	100.5	120.85	52.4	19.84	14.3
4.250	101.6	107.95	133.4	137	103.5	124.03	52.4	19.84	14.3
4.375	104.8	111.13	136.5	140	107.0	130.38	52.4	19.84	14.3
4.500	107.9	114.30	139.7	143	110.0	133.55	52.4	19.84	14.3
4.625	111.1	117.48	142.9	146	110.0	133.55	52.4	19.84	15.8
4.750	114.3	120.65	146.1	149	113.5	136.72	52.4	19.84	15.8
4.875	117.4	123.83	149.2	153	116.5	139.90	52.4	19.84	15.8
5.000	120.6	127.00	152.4	156	119.5	143.08	52.4	19.84	15.8
5.125	123.8	130.18	155.6	159	122.5	146.25	52.4	19.84	15.8
5.250	127.0	133.35	165.1	168	126.0	149.43	60.3	19.84	15.8
5.375	130.2	136.53	168.28	171.45	129.0	152.60	60.3	19.84	15.8
5.500	133.3	139.70	171.5	175	132.0	155.77	60.3	19.84	15.8
5.625	136.5	142.88	174.6	178	135.5	158.95	60.3	19.84	15.8
5.750	139.7	146.05	177.8	181	138.5	162.12	60.3	19.84	15.8
5.875	142.9	149.23	181.0	184	141.5	165.30	60.3	19.84	15.8
6.000	146.0	152.40	184.2	188	145.0	168.47	60.3	19.84	15.8