

BT Mechanical Seal

Model BT T1



Robust, short working length highly accommodating and reliable rubber diaphragm balanced seal, which provides enhanced seal capability, performance and life. Improved design features further enhance this popular seal. Suitable for common US Standard housing and working length dimensions.

Inch Shaft Size D	Size Code	Metric Shaft Size D	Size Code	D1	D2	D3	L1	L2
0.500	0127	12	0120	25.40	19.05	23.80	30.16	7.93
0.625	0158	16	0160	31.75	23.80	27.76	33.32	10.28
0.750	0191	18	0180	34.93	26.98	30.94	33.32	10.28
		20	0200	38.10	30.15	34.11	34.93	10.28
0.875	0222	22	0220	38.10	30.15	34.11	34.93	10.28
		24	0240	41.28	33.32	38.10	39.67	11.10
1.000	0254	25	0250	41.28	33.32	38.10	39.67	11.10
1.125	0286	28	0280	44.44	36.50	41.28	41.28	11.10
		30	0300	47.63	37.90	46.02	41.28	11.10
1.250	0317	32	0320	47.63	37.90	46.02	41.28	11.10
		33	0330	50.80	42.84	48.68	42.85	11.10
1.375	0349	35	0350	50.80	42.84	48.68	42.85	11.10
1.500	0381	38	0380	53.98	46.05	51.85	42.85	11.10
1.625	0412	40	0400	60.38	50.80	58.10	50.80	12.70
		43	0430	63.50	53.97	61.27	50.80	12.70
1.750	0444	45	0450	63.50	53.97	61.27	50.80	12.70
1.875	0476	48	0480	66.68	57.15	64.44	53.98	12.70
		48	0480	69.85	60.32	67.21	53.98	12.70
2.000	0508	50	0500	69.85	60.32	67.21	53.98	12.70
2.125	0539	53	0530	76.20	60.32	72.02	60.33	14.28
2.250	0571	55	0550	79.38	61.90	75.30	60.33	14.28
2.375	0603	60	0600	82.55	67.30	78.30	63.50	14.28
2.500	0635	63	0630	85.73	68.25	81.54	63.50	14.28
2.625	0666	65	0650	85.73	71.24	86.22	69.85	15.90
2.750	0698	70	0700	88.90	74.60	89.40	73.03	15.90
2.875	0730	73	0730	95.25	77.77	92.57	73.03	15.90
3.000	0762	75	0750	98.43	80.95	95.75	73.03	15.90

Standard Materials

Rotary Ring (Carbon/SiC/TC)

Stationary Ring (Ceramic/SiC/TC)

Other Face Materials to Order

Operating Conditions

Pressure 220 psi.

Speed 18 m/s

Temperature -40 +200 °C

Dependent upon shaft diameter and speed +Temperature and media to be sealed.

