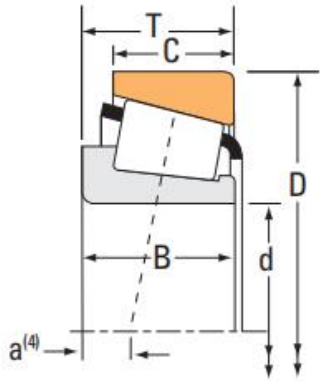
Single Row TS Series



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Bearing Dimensions (mm/in.)			Load Ratings						Part Number		Bearing Dimensions (mm/in.)										Geometry Factors				
			Dynamic[1]	Factors[2]		Dynamic[3]		Factors[2]	Static					Shaft			Housing			Cage					
Bore d	O.D. D	Width T	C_1	e	Y	C_{90}	C_{a90}	K	C	Inner	Outer	Width B	Width C	Eff. Ctr a[4]	Max Shaft Fillet Radius R[5]	Backing Shoulder Dia. d_a	d_b	Max Housing Fillet Radius r[5]	Backing Shoulder Dia. D_a	D_b	A_a[6]	A_b[7]	C_1	C_2	C_9	Bearing Weight (kg lbs.)
			N lbf			N lbf	N lbf		N lbf																	
69.85	120	29.794	143000	0.38	1.56	37200	24500	1.52	186000	482	473	29.007	29	-4.1	3.5	77	83	2	114	107	1.5	2.2	77.2	23	0.1083	1.36
2.75	4.7244	1.173	32200	0.38	1.56	8360	5500	1.52	41900	482	473	1.142	1.1417	-0.16	0.14	3.03	3.27	0.08	4.49	4.21	0.05	0.09	77.2	23	0.1083	2.99
69.85	120	29.794	143000	0.38	1.56	37200	24500	1.52	186000	482	472	29.007	24.237	-4.1	3.5	77	83	2	114	107	1.5	2.2	77.2	23	0.1083	1.31
2.75	4.7244	1.173	32200	0.38	1.56	8360	5500	1.52	41900	482	472	1.142	0.9542	-0.16	0.14	3.03	3.27	0.08	4.49	4.21	0.05	0.09	77.2	23	0.1083	2.88
69.85	120	29.794	138000	0.44	1.38	35900	26800	1.34	197000	33275	33472	30.162	23.444	-2.8	3.5	79	85	0.8	113	107	2.2	1.1	84.2	25.9	0.1162	1.35
2.75	4.7244	1.173	31100	0.44	1.38	8060	6020	1.34	44300	33275	33472	1.1875	0.923	-0.11	0.14	3.11	3.35	0.03	4.45	4.21	0.08	0.05	84.2	25.9	0.1162	2.97
69.85	120	32.545	179000	0.36	1.67	46300	28600	1.62	249000	47487	47420	32.545	26.195	-6.4	3.5	78	84	3.3	114	107	2.2	2	98.4	26.3	0.1153	1.46
2.75	4.7244	1.2813	40200	0.36	1.67	10400	6420	1.62	56000	47487	47420	1.2813	1.0313	-0.25	0.14	3.07	3.31	0.13	4.49	4.21	0.08	0.08	98.4	26.3	0.1153	3.2
69.85	120	32.545	179000	0.36	1.67	46300	28600	1.62	249000	47487	47420A	32.545	26.195	-6.4	3.5	78	84	0.5	114	109	2.2	2	98.4	26.3	0.1153	1.48
2.75	4.7244	1.2813	40200	0.36	1.67	10400	6420	1.62	56000	47487	47420A	1.2813	1.0313	-0.25	0.14	3.07	3.31	0.02	4.49	4.29	0.08	0.08	98.4	26.3	0.1153	3.24
69.85	120.65	25.4	111000	0.49	1.23	28600	23900	1.2	166000	29675	29630	25.4	19.05	1	1.5	77	80	3.3	113	104	2.3	1.5	77.7	43.3	0.117	1.16
2.75	4.75	1	24800	0.49	1.23	6440	5370	1.2	37200	29675	29630	1	0.75	0.04	0.06	3.03	3.15	0.13	4.45	4.09	0.09	0.06	77.7	43.3	0.117	2.57
69.85	123.825	30.162	143000	0.38	1.56	37200	24500	1.52	186000	482	472X	29.007	24.605	-4.1	3.5	77	83	3.3	115	109	1.5	2.2	77.2	23	0.1083	1.45
2.75	4.875	1.1875	32200	0.38	1.56	8360	5500	1.52	41900	482	472X	1.142	0.9687	-0.16	0.14	3.03	3.27	0.13	4.53	4.29	0.05	0.09	77.2	23	0.1083	3.19
69.85	127	36.512	196000	0.36	1.65	50900	31700	1.61	262000	566	563	36.17	28.575	-8.1	3.5	78	85	3.3	120	112	3.2	1.8	101.3	24	0.1167	1.9
2.75	5	1.4375	44100	0.36	1.65	11400	7130	1.61	58900	566	563	1.424	1.125	-0.32	0.14	3.07	3.35	0.13	4.72	4.41	0.12	0.08	101.3	24	0.1167	4.2
69.85	127	36.512	196000	0.36	1.65	50900	31700	1.61	262000	566-S	563	36.17	28.575	-8.1	0.8	78	79	3.3	120	112	3.2	1.8	101.3	24	0.1167	1.91
2.75	5	1.4375	44100	0.36	1.65	11400	7130	1.61	58900	566-S	563	1.424	1.125	-0.32	0.03	3.07	3.11	0.13	4.72	4.41	0.12	0.08	101.3	24	0.1167	4.23
69.85	127	36.512	229000	0.5	1.2	59400	51100	1.16	256000	HM813846	HM813811	36.512	26.988	-3.8	3.5	82	89	1.5	121	113	4	1.3	91.7	22.9	0.1252	1.9
2.75	5	1.4375	51500	0.5	1.2	13400	11500	1.16	57600	HM813846	HM813811	1.4375	1.0625	-0.15	0.14	3.23	3.5	0.06	4.76	4.45	0.15	0.06	91.7	22.9	0.1252	4.19
69.85	127	36.512	229000	0.5	1.2	59400	51100	1.16	256000	HM813846	HM813810	36.512	26.988	-3.8	3.5	82	89	3.3	121	111	4	1.3	91.7	22.9	0.1252	1.9
2.75	5	1.4375	51500	0.5	1.2	13400	11500	1.16	57600	HM813846	HM813810	1.4375	1.0625	-0.15	0.14	3.23	3.5	0.13	4.76	4.37	0.15	0.06	91.7	22.9	0.1252	4.19
69.85	130.175	41.275	276000	0.36	1.66	71600	44400	1.61	298000	643	633	41.275	31.75	-11.2	3.5	80	86	3.3	124	116	4.1	2	106.4	21	0.0814	2.27
2.75	5.125	1.625	62100	0.36	1.66	16100	9980	1.61	67000	643	633	1.625	1.25	-0.44	0.14	3.15	3.39	0.13	4.88	4.57	0.16	0.08	106.4	21	0.0814	5
69.85	136.525	41.275	276000	0.36	1.66	71600	44400	1.61	298000	643	632	41.275	31.75	-11.2	3.5	80	86	3.3	125	118	4.1	2	106.4	21	0.0814	2.61
2.75	5.375	1.625	62100	0.36	1.66	16100	9980	1.61	67000	643	632	1.625	1.25	-0.44	0.14	3.15	3.39	0.13	4.92	4.65	0.16	0.08	106.4	21	0.0814	5.75
69.85	139.7	46.038	319000	0.47	1.27	82700	67000	1.24	405000	H715344	H715310	46.038	36.512	-8.6	3.5	87	93	3.3	133	120	4.1	2	147.1	33.5	0.0993	3.35
2.75	5.5	1.8125	71700	0.47	1.27	18600	15100	1.24	91000	H715344	H715310	1.8125	1.4375	-0.34	0.14	3.43	3.66	0.13	5.24	4.72	0.16	0.08	147.1	33.5	0.0993	7.4
69.85	146.05	36.512	174000	0.94	0.64	45000	72300	0.62	202000	HM914545	HM914510	33.338	23.812	12.4	4	86.1	95	3.3	139	122	7.1	4.6	71.5	21.8	0.0943	2.57
2.75	5.75	1.4375	39100	0.94	0.64	10100	16200	0.62	45400	HM914545	HM914510	1.3125	0.9375	0.49	0.16	3.38	3.74	0.13	5.47	4.8	0.28	0.18	71.5	21.8	0.0943	5.66