

Thrust Bearings

└ Thrust Cylindrical Roller Bearings

d	Boundary Dimensions (mm)			Basic Load Ratings (N)		Limiting Speeds (min ⁻¹)		Bearing Numbers	NSKHPS
	D	T	r min.	C _a	C _{0a}	Grease	Oil		
35	80	32	1.1	95500	247000	1000	3000	35TMP14	
40	78	22	1	63000	194000	1200	3600	40TMP93	
45	65	14	0.6	33000	100000	1700	5000	45TMP11	
45	85	24	1	71000	233000	1100	3400	45TMP93	
50	95	27	1.1	113000	350000	1000	3000	50TMP93	
50	110	27	1.1	139000	470000	900	2800	50TMP74	
55	105	30	1.1	134000	450000	900	2600	55TMP93	
60	95	26	1	99000	325000	1000	3000	60TMP12	
60	110	30	1.1	139000	480000	850	2600	60TMP93	
65	100	27	1	110000	325000	950	2800	65TMP12	
65	115	30	1.1	145000	515000	850	2600	65TMP93	
70	125	34	1.1	191000	635000	750	2200	70TMP93	
70	150	36	2	259000	935000	670	2000	70TMP74	
75	100	19	1	63500	221000	1100	3400	75TMP11	
75	135	36	1.5	209000	735000	710	2200	75TMP93	
80	115	28	1	120000	420000	900	2600	80TMP12	
80	140	36	1.5	208000	740000	710	2000	80TMP93	
85	110	19	1	75000	298000	1100	3200	85TMP11	
85	125	31	1	151000	485000	800	2400	85TMP12	
85	150	39	1.5	257000	995000	630	1900	85TMP93	
90	120	22	1	96000	370000	950	3000	90TMP11	
90	155	39	1.5	250000	885000	630	1900	90TMP93	
100	170	42	1.5	292000	1110000	560	1700	100TMP93	
110	160	38	1.1	228000	855000	630	1900	110TMP12	
110	190	48	2	390000	1490000	500	1500	110TMP93	
120	170	39	1.1	233000	895000	600	1800	120TMP12	
120	210	54	2.1	505000	1930000	450	1400	120TMP93	
130	190	45	1.5	300000	1090000	530	1600	130TMP12	
130	225	58	2.1	585000	2370000	430	1300	130TMP93	
130	270	85	4	895000	3300000	320	950	130TMP94	
140	200	46	2	285000	1120000	500	1500	140TMP12	
140	240	60	2.1	610000	2360000	400	1200	140TMP93	
140	280	85	4	990000	3800000	300	900	140TMP94	
150	215	50	2	375000	1500000	480	1400	150TMP12	
150	250	60	2.1	635000	2510000	400	1200	150TMP93	
160	200	31	1	173000	815000	630	1900	160TMP11	
160	270	67	3	745000	3150000	360	1100	160TMP93	
170	240	55	1.5	485000	1960000	430	1300	170TMP12	
170	280	67	3	800000	3500000	340	1000	170TMP93	
180	300	73	3	1000000	4000000	320	950	180TMP93	
180	360	109	5	1640000	6200000	240	710	180TMP94	
190	270	62	3	705000	2630000	360	1100	190TMP12	
190	320	78	4	1080000	4500000	300	900	190TMP93	
200	250	37	1.1	365000	1690000	500	1500	200TMP11	
200	340	85	4	1180000	5150000	280	800	200TMP93	
220	270	37	1.1	385000	1860000	480	1500	220TMP11	

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<i>d</i>	<i>D</i>	<i>T</i>	<i>r</i> min.	<i>C_a</i>	<i>C_{0a}</i>	Grease	Oil		
220	300	63	2	770000	3100000	340	1000	220TMP12	
240	300	45	1.5	435000	2160000	400	1200	240TMP11	
240	340	78	2.1	965000	4100000	280	850	240TMP12	
260	320	45	1.5	460000	2350000	400	1200	260TMP11	
260	360	79	2.1	995000	4350000	280	850	260TMP12	
280	350	53	1.5	545000	2800000	340	1000	280TMP11	
280	380	80	2.1	1050000	4750000	260	800	280TMP12	
300	380	62	2	795000	4000000	300	900	300TMP11	
300	420	95	3	1390000	6250000	220	670	300TMP12	
320	400	63	2	820000	4250000	300	900	320TMP11	
320	440	95	3	1420000	6550000	220	670	320TMP12	