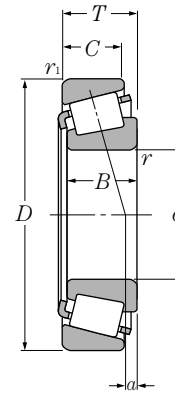


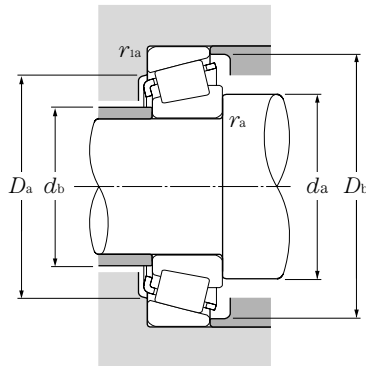
Inch system sizes J system series



d 65.000 ~ 70.000mm

d	Boundary dimensions				Basic load ratings				Limiting speeds	
	D	T	B	C	dynamic kN	static kN	dynamic kgf	static kgf	grease rpm	oil rpm
65.000	120.000	39.000	38.500	32.000	185	248	18,800	25,300	3,100	4,100
65.088	135.755	53.975	56.007	44.450	278	380	28,300	38,500	2,900	3,800
66.675	103.213	17.602	17.602	11.989	60.0	78.0	6,100	8,000	3,300	4,400
	107.950	25.400	25.400	19.050	91.5	140	9,350	14,200	3,200	4,300
	110.000	22.000	21.996	18.824	89.5	120	9,150	12,300	3,200	4,300
	112.712	30.162	30.048	23.812	119	174	12,200	17,800	3,200	4,300
	112.712	30.162	30.048	23.812	119	174	12,200	17,800	3,200	4,300
	112.712	30.162	30.162	23.812	138	195	14,100	19,800	3,200	4,200
	122.238	38.100	38.354	29.718	187	244	19,100	24,900	3,100	4,100
	123.825	38.100	36.678	30.162	158	216	16,100	22,000	3,000	4,100
	127.000	36.512	36.512	26.988	163	228	16,600	23,300	2,900	3,800
	130.175	41.275	41.275	31.750	194	262	19,800	26,700	2,800	3,800
135.755	53.975	56.007	44.450	278	380	28,300	38,500	2,900	3,800	
136.525	41.275	41.275	31.750	194	262	19,800	26,700	2,800	3,800	
136.525	41.275	41.275	31.750	226	293	23,100	29,900	2,700	3,700	
68.262	110.000	22.000	21.996	18.824	89.5	120	9,150	12,300	3,200	4,300
	120.000	29.794	29.007	24.237	128	177	13,000	18,100	3,000	4,000
	123.825	38.100	36.678	30.162	158	216	16,100	22,000	3,000	4,100
	136.525	41.275	41.275	31.750	226	293	23,100	29,900	2,700	3,700
	136.525	46.038	46.038	36.512	224	355	22,800	36,500	2,600	3,500
69.850	112.712	25.400	25.400	19.050	95.5	151	9,750	15,400	3,100	4,100
	117.475	30.162	30.162	23.812	117	175	11,900	17,900	3,000	4,000
	120.000	29.794	29.007	24.237	128	177	13,000	18,100	3,000	4,000
	120.000	32.545	32.545	26.195	147	214	15,000	21,800	3,000	4,000
	120.650	25.400	25.400	19.050	95.5	151	9,750	15,400	3,100	4,100
	127.000	36.512	36.170	28.575	163	229	16,600	23,300	2,900	3,800
	136.525	41.275	41.275	31.750	194	262	19,800	26,700	2,800	3,800
	146.050	41.275	41.275	31.750	206	295	21,000	30,000	2,500	3,300
150.089	44.450	46.672	36.512	261	360	26,600	37,000	2,400	3,200	
168.275	53.975	56.363	41.275	340	460	34,500	46,500	2,200	3,000	
69.952	121.442	24.608	23.012	17.462	91.0	127	9,300	13,000	2,900	3,800
70.000	110.000	26.000	25.000	20.500	97.0	150	9,900	15,300	3,200	4,200
	115.000	29.000	29.000	23.000	124	171	12,700	17,500	3,100	4,100

Note: 1. With regard to the chamfer dimensions on the back face of the inner and outer rings, installation dimensions r_{is} and r_{os} are larger than the maximum value.
2. Bearing numbers marked "#" designate J-series bearings. The tolerances of these bearings is listed in Table 6.6 on page A-40.



Equivalent bearing load dynamic

$$P_r = XF_r + YF_a$$

$\frac{F_a}{F_r} \leq e$		$\frac{F_a}{F_r} > e$	
X	Y	X	Y
1	0	0.4	Y_2

static

$$P_{or} = 0.5F_r + Y_0F_a$$

When $P_{or} < F_r$ use $P_{or} = F_r$

For values of e , Y_2 and Y_0 see the table below.

Bearing numbers	Abutment and fillet dimensions						Load center mm	Constant	Axial load factors		Mass kg		
	mm								a	e		Y_2	Y_0
	d_a	d_b	D_a	D_b	r_{as} max	r_{1as} max							
#4T-JH211749/JH211710	80	74	107	114	3	2.5	10.9	0.34	1.78	0.98	1.90		
4T-6379/6320	84	77	117	126	3.5	3.3	18.8	0.32	1.85	1.02	3.71		
4T-L812148/L812111	74	72	96	99	1.5	0.8	-3.7 ^①	0.49	1.23	0.68	0.48		
4T-29590/29520	80	73	96	103	3.5	3.3	0.6	0.46	1.31	0.72	0.86		
4T-395A/394A	73	73	101	104	0.8	1.3	0.7	0.40	1.49	0.82	0.796		
4T-3984/3925	80	74	101	106	3.5	0.8	4.5	0.40	1.49	0.82	1.19		
4T-3994/3920	84	74	99	106	5.5	3.3	4.5	0.40	1.49	0.82	1.18		
4T-39590/39520	80	74	101	107	3.5	3.3	6.6	0.34	1.77	0.97	1.19		
4T-HM212049/HM212010	82	75	110	116	3.5	1.5	11.1	0.34	1.78	0.98	1.86		
4T-560/552A	81	75	109	116	3.5	3.3	9.4	0.35	1.73	0.95	1.92		
4T-HM813844/HM813810	85	78	111	121	3.5	3.3	3.7	0.50	1.20	0.66	2.03		
4T-641/633	83	77	116	124	3.5	3.3	11.4	0.36	1.66	0.91	2.41		
4T-6386/6320	87	77	117	126	4.3	3.3	18.8	0.32	1.85	1.02	3.64		
4T-641/632	83	77	118	125	3.5	3.3	11.4	0.36	1.66	0.91	2.74		
4T-H414242/H414210	85	81	121	129	3.5	3.3	11.0	0.36	1.67	0.92	2.75		
4T-399A/394A	78	74	101	104	2.3	1.3	0.7	0.40	1.49	0.82	0.764		
4T-480/472	82	75	107	114	3.5	2	3.9	0.38	1.56	0.86	1.37		
4T-560S/552A	83	76	109	116	3.5	3.3	9.4	0.35	1.73	0.95	1.87		
4T-H414245/H414210	86	82	121	129	3.5	3.3	11.0	0.36	1.67	0.92	2.7		
4T-H715343/H715311	90	84	118	132	3.5	3.3	8.7	0.47	1.27	0.70	3.24		
4T-29675/29620	80	77	101	109	1.5	3.3	-0.9 ^①	0.49	1.23	0.68	0.949		
4T-33275/33462	84	77	104	112	3.5	3.3	2.6	0.44	1.38	0.76	1.28		
4T-482/472	83	77	107	114	3.5	2	3.9	0.38	1.56	0.86	1.33		
4T-47487/47420	84	78	107	114	3.5	3.3	6.1	0.36	1.67	0.92	1.47		
4T-29675/29630	80	77	104	113	1.5	3.3	-0.9 ^①	0.49	1.23	0.68	1.17		
4T-566/563	85	78	112	120	3.5	3.3	8.3	0.36	1.65	0.91	1.92		
4T-643/632	86	80	118	125	3.5	3.3	11.4	0.36	1.66	0.91	2.63		
4T-655/653	88	82	131	139	3.5	3.3	8.0	0.41	1.47	0.81	3.28		
4T-745A/742	88	82	134	142	3.5	3.3	12.0	0.33	1.84	1.01	3.92		
4T-835/832	91	84	149	155	3.5	3.3	18.5	0.30	2.00	1.10	6.13		
4T-34274/34478	81	78	110	116	2	2	-1.2 ^①	0.45	1.33	0.73	1.11		
#4T-JLM813049/JLM813010	78	77	98	105	1	2.5	-0.3 ^①	0.49	1.23	0.68	0.889		
#4T-JM612949/JM612910	83	77	103	110	3	2.5	2.5	0.43	1.39	0.77	1.13		

① " - " means that load center at outside on end of inner ring.