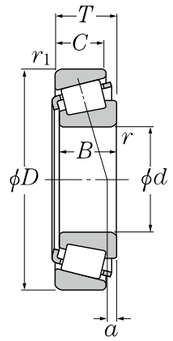
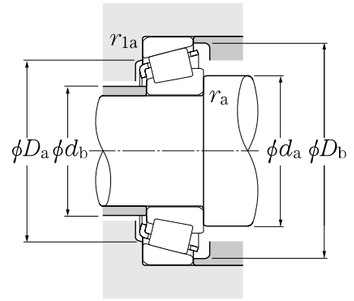
Inch series
J series



d 65.000 ～ 70.000mm

Boundary dimensions mm					Basic load rating kN		Allowable speed min-1	
d	D	T	B	C	dynamic C_r	static C_{0r}	Grease lubrication	Oil lubrication
65.000	120.000	39.000	38.500	32.000	205	248	3 100	4 100
65.088	135.755	53.975	56.007	44.450	310	380	2 900	3 800
	103.213	17.602	17.602	11.989	66.5	78.0	3 300	4 400
	107.950	25.400	25.400	19.050	101	140	3 200	4 300
	110.000	22.000	21.996	18.824	99.5	120	3 200	4 300
	112.712	30.162	30.048	23.812	132	174	3 200	4 300
	112.712	30.162	30.048	23.812	132	174	3 200	4 300
	112.712	30.162	30.162	23.812	153	195	3 200	4 200
66.675	122.238	38.100	38.354	29.718	208	244	3 100	4 100
	123.825	38.100	36.678	30.162	175	216	3 000	4 100
	127.000	36.512	36.512	26.988	181	228	2 900	3 800
	130.175	41.275	41.275	31.750	215	262	2 800	3 800
	135.755	53.975	56.007	44.450	310	380	2 900	3 800
	136.525	41.275	41.275	31.750	215	262	2 800	3 800
	136.525	41.275	41.275	31.750	251	293	2 700	3 700
	110.000	22.000	21.996	18.824	99.5	120	3 200	4 300
	120.000	29.794	29.007	24.237	142	177	3 000	4 000
68.262	123.825	38.100	36.678	30.162	175	216	3 000	4 100
	136.525	41.275	41.275	31.750	251	293	2 700	3 700
	136.525	46.038	46.038	36.512	248	355	2 600	3 500
	112.712	25.400	25.400	19.050	106	151	3 100	4 100
	117.475	30.162	30.162	23.812	129	175	3 000	4 000
	120.000	29.794	29.007	24.237	142	177	3 000	4 000
	120.000	32.545	32.545	26.195	163	214	3 000	4 000
69.850	120.650	25.400	25.400	19.050	106	151	3 100	4 100
	127.000	36.512	36.170	28.575	181	229	2 900	3 800
	136.525	41.275	41.275	31.750	215	262	2 800	3 800
	146.050	41.275	41.275	31.750	228	295	2 500	3 300
	150.089	44.450	46.672	36.512	289	360	2 400	3 200
	168.275	53.975	56.363	41.275	375	460	2 200	3 000
69.952	121.442	24.608	23.012	17.462	101	127	2 900	3 800
70.000	110.000	26.000	25.000	20.500	108	150	3 200	4 200
	115.000	29.000	29.000	23.000	138	171	3 100	4 100

Note: Chamfer dimensions on the back face of the inner and outer rings of the bearing are larger than the maximum values of installation-related dimensions r_{as} and r_{1as}.



Dynamic equivalent radial load
$P_r = XF_r + YF_a$

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

Static equivalent radial load
$P_{0r} = 0.5F_r + Y_0F_a$
When $P_{0r} < F_r$ use $P_{0r} = F_r$.
For values of e, Y_2 and Y_0 see the table below.

Bearing number 1)	Installation-related dimensions mm						Load center 2) mm	Constant	Axial load factors		Mass kg
	d_a	d_b	D_a	D_b	r_{as} Max.	r_{1as} Max.	a	e	Y_2	Y_0	(approx.)
#4T-JH211749/JH211710	80	74	107	114	3	2.5	10.9	0.34	1.78	0.98	1.9
4T-6379/6320	84	77	117	126	3.5	3.3	18.8	0.32	1.85	1.02	3.71
4T-L812148/L812111	75	72	96	99	1.5	0.8	-3.7	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	105	0.8	1.3	0.7	0.40	1.49	0.82	0.803
4T-3984/3925	80	74	101	106	3.5	0.8	4.5	0.40	1.49	0.82	1.19
4T-3994/3920	86	75	99	106	5.5	3.3	4.5	0.40	1.49	0.82	1.18
4T-39590/39520	82	75	101	107	3.5	3.3	6.6	0.34	1.77	0.97	1.28
4T-HM212049/HM212010	82	75.5	110	116	3.5	1.5	11.1	0.34	1.78	0.98	1.84
4T-560/552A	84	77	109	116	3.5	3.3	9.4	0.35	1.73	0.95	1.9
4T-HM813844/HM813810	88	82	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	2.75
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	105	2.3	1.3	0.7	0.40	1.49	0.82	0.772
4T-480/472	82	75	107	114	3.5	2	3.9	0.38	1.56	0.86	1.13
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	92	86	118	132	3.5	3.3	8.7	0.47	1.27	0.70	3.23
4T-29675/29620	80	77	101	109	1.5	3.3	-0.9	0.49	1.23	0.68	0.95
4T-33275/33462	85	79	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	1.63
4T-29675/29630	80	77	104	113	1.5	3.3	-0.9	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	1.91
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	3.93
4T-835/832	91	84	149	155	3.5	3.3	18.5	0.30	2.00	1.10	6.14
4T-34274/34478	81	78	110	116	2	2	-1.2	0.45	1.33	0.73	1.11
#4T-JLM813049/JLM813010	78	77	98	105	1	2.5	-0.3	0.49	1.23	0.68	0.888
#4T-JM612949/JM612910	83	77	103	110	3	2.5	2.5	0.43	1.39	0.77	1.12

1) Bearing numbers marked "#" designate **J-series** bearings. The tolerance of these bearings is listed in **Table 6.8** on page **A-66** to **A-67**.
2) Dimensions with "**–**" indicate a load center at the outside on the end of an inner ring.