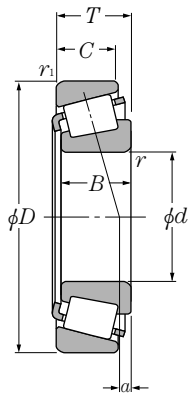
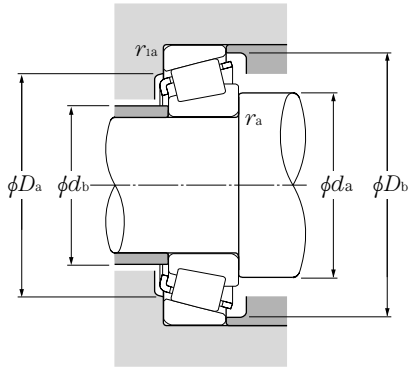
Inch series
J series



d 60.000～65.000mm

Boundary dimensions mm					Basic load ratings dynamic kN	static kN	dynamic kgf	static kgf	Limiting speeds min^{-1}	
d	D	T	B	C	C_r	C_{or}	C_r	C_{or}	grease	oil
60.000	110.000	22.000	21.996	18.824	89.5	120	9 150	12 300	3 200	4 300
	130.000	34.100	30.924	22.650	156.0	186	15 900	19 000	2 700	3 600
60.325	100.000	25.400	25.400	19.845	90.5	134	9 200	13 600	3 500	4 700
	112.712	30.162	30.048	23.812	119	174	12 200	17 800	3 200	4 300
	122.238	38.100	38.354	29.718	187	244	19 100	24 900	3 100	4 100
	122.238	43.658	43.764	36.512	194	283	19 700	28 900	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
	127.000	44.450	44.450	34.925	203	263	20 700	26 800	3 100	4 200
	130.175	36.512	33.338	23.812	156	186	15 900	19 000	2 700	3 600
61.912	110.000	22.000	21.996	18.824	89.5	120	9 150	12 300	3 200	4 300
	136.525	46.038	46.038	36.512	224	355	22 800	36 500	2 600	3 500
	146.050	41.275	39.688	25.400	199	234	20 300	23 900	2 400	3 200
61.976	101.600	24.608	24.608	19.845	90.5	134	9 200	13 600	3 500	4 700
62.738	101.600	25.400	25.400	19.845	90.5	134	9 200	13 600	3 500	4 700
63.500	94.458	19.050	19.050	15.083	60.5	103	6 150	10 500	3 600	4 800
	107.950	25.400	25.400	19.050	91.5	140	9 350	14 200	3 200	4 300
	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
	110.000	25.400	25.400	19.050	91.5	140	9 350	14 200	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
	120.000	29.794	29.007	24.237	128	177	13 000	18 100	3 000	4 000
	120.000	29.794	29.007	24.237	128	177	13 000	18 100	3 000	4 000
	122.238	38.100	38.354	29.718	187	244	19 100	24 900	3 100	4 100
	122.238	43.658	43.764	36.512	194	283	19 700	28 900	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	36.170	28.575	163	229	16 600	23 300	2 900	3 800
	127.000	36.512	36.512	26.988	163	228	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
	140.030	36.512	33.236	23.520	171	212	17 400	21 600	2 600	3 400
65.000	105.000	24.000	23.000	18.500	85.0	117	8 700	11 900	3 300	4 500
	110.000	28.000	28.000	22.500	119	174	12 200	17 800	3 200	4 300

Note: 1. Chamfer dimensions on the back face of the inner and outer rings of the bearing are larger than maximum values for installation dimensions r_{as} and r_{1as}.
2. Bearing numbers marked " # " designate **J-series** bearings. The accuracy of these bearings is listed in **Table 6.6** on **page A-42**.



Equivalent radial load
dynamic
$P_r = XF_r + YF_a$

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

static
$P_{or} = 0.5F_r + Y_o F_a$
When $P_{or} < F_r$ use $P_{or} = F_r$
For values of e, Y_2 and Y_o see the table below.

Bearing numbers	Abutment and fillet dimensions mm						Load center 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_o	(approx.)
4T-397/394A	69	68	101	104	0.8	1.3	0.7	0.40	1.49	0.82	0.91
# 4T-JHM911244/JHM911211	84	74	109	123	3.5	3.3	–7.6[1)]	0.82	0.73	0.40	2.01
4T-28985/28921	73	67	89	96	3.5	3.3	2.5	0.43	1.41	0.78	0.772
4T-3980/3920	75	68	99	106	3.5	3.3	4.5	0.40	1.49	0.82	1.33
4T-HM212044/HM212011	85	70	108	116	8	3.3	11.1	0.34	1.78	0.98	2.02
4T-5583/5535	78	72	106	116	3.5	3.3	13.3	0.36	1.67	0.92	2.44
4T-558/552A	73	69	109	116	2.3	3.3	9.4	0.35	1.73	0.95	2.1
4T-HM813841/HM813810	80	73	111	121	3.5	3.3	3.7	0.50	1.20	0.66	2.21
4T-65237/65500	82	71	107	119	3.5	3.3	9.3	0.49	1.23	0.68	2.65
4T-HM911245/HM911210	87	74	109	124	5	3.3	–5.2[1)]	0.82	0.73	0.40	2.12
4T-392/394A	70	69	101	104	0.8	1.3	0.7	0.40	1.49	0.82	0.879
4T-H715334/H715311	86	79	118	132	3.5	3.3	8.7	0.47	1.27	0.70	3.47
4T-H913842/H913810	90	82	124	138	3.5	3.3	–4.3[1)]	0.78	0.77	0.42	3.17
4T-28990/28920	72	68	90	97	2	3.3	1.7	0.43	1.41	0.78	0.768
4T-28995/28920	75	69	90	97	3.5	3.3	2.5	0.43	1.41	0.78	0.764
4T-L610549/L610510	71	69	86	91	1.5	1.5	–0.6[1)]	0.42	1.41	0.78	0.449
4T-29585/29520	77	71	96	103	3.5	3.3	0.6	0.46	1.31	0.72	0.924
4T-29586/29520	73	71	96	103	1.5	3.3	0.6	0.46	1.31	0.72	0.929
4T-390A/394A	73	70	101	104	1.5	1.3	0.7	0.40	1.49	0.82	0.851
4T-29585/29521	77	71	99	104	3.5	1.3	0.6	0.46	1.31	0.72	0.982
4T-3982/3920	77	71	99	106	3.5	3.3	4.5	0.40	1.49	0.82	1.26
4T-39585/39520	77	71	101	107	3.5	3.3	6.6	0.34	1.77	0.97	1.27
4T-477/472	73	72	107	114	0.8	2	3.9	0.38	1.56	0.86	1.49
4T-483/472	78	72	107	114	3.5	2	3.9	0.38	1.56	0.86	1.48
4T-HM212046/HM212011	80	73	108	116	3.5	3.3	11.1	0.34	1.78	0.98	1.95
4T-5584/5535	81	75	106	116	3.5	3.3	13.3	0.36	1.67	0.92	2.34
4T-559/552A	78	72	109	116	3.5	3.3	9.4	0.35	1.73	0.95	2.01
4T-565/563	80	73	112	120	3.5	3.3	8.3	0.36	1.65	0.91	2.11
4T-HM813842/HM813810	82	76	111	121	3.5	3.3	3.7	0.50	1.20	0.66	2.12
4T-639/632	81	74	118	125	3.5	3.3	11.4	0.36	1.66	0.91	2.85
4T-78250/78551	85	79	117	132	2.3	2.3	–8.5[1)]	0.87	0.69	0.38	2.54
# 4T-JLM710949/JLM710910	77	71	96	101	3	1	0.3	0.45	1.32	0.73	0.742
# 4T-JM511946/JM511910	78	72	99	105	3	2.5	3.4	0.40	1.49	0.82	1.08

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