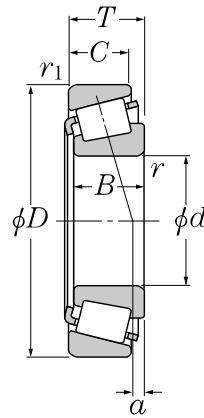


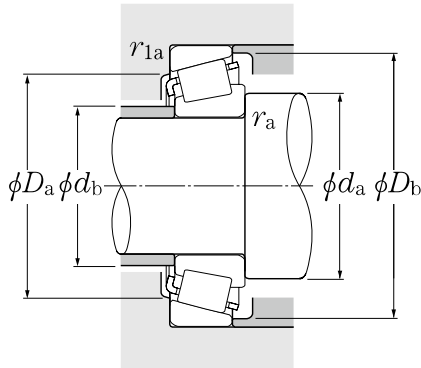
Inch series
J series



d 60.000 ~ 65.000mm

Boundary dimensions					Basic load rating		Allowable speed	
mm					dynamic	static	min ⁻¹	
d	D	T	B	C	C _r	C _{0r}	Grease lubrication	Oil lubrication
60.000	110.000	22.000	21.996	18.824	99.5	120	3 200	4 300
	130.000	34.100	30.924	22.650	173	186	2 700	3 600
60.325	100.000	25.400	25.400	19.845	100	134	3 500	4 700
	112.712	30.162	30.048	23.812	132	174	3 200	4 300
	122.238	38.100	38.354	29.718	208	244	3 100	4 100
	122.238	43.658	43.764	36.512	215	283	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
	127.000	44.450	44.450	34.925	226	263	3 100	4 200
	130.175	36.512	33.338	23.812	173	186	2 700	3 600
61.912	110.000	22.000	21.996	18.824	99.5	120	3 200	4 300
	136.525	46.038	46.038	36.512	248	355	2 600	3 500
	146.050	41.275	39.688	25.400	220	234	2 400	3 200
61.976	101.600	24.608	24.608	19.845	100	134	3 500	4 700
62.738	101.600	25.400	25.400	19.845	100	134	3 500	4 700
63.500	94.458	19.050	19.050	15.083	67.0	103	3 600	4 800
	107.950	25.400	25.400	19.050	101	140	3 200	4 300
	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
	110.000	25.400	25.400	19.050	101	140	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
	120.000	29.794	29.007	24.237	142	177	3 000	4 000
	120.000	29.794	29.007	24.237	142	177	3 000	4 000
	122.238	38.100	38.354	29.718	208	244	3 100	4 100
	122.238	43.658	43.764	36.512	215	283	3 100	4 100
	123.825	38.100	36.678	30.162	175	216	3 000	4 100
	127.000	36.512	36.170	28.575	181	229	2 900	3 800
	127.000	36.512	36.512	26.988	181	228	2 900	3 800
	136.525	41.275	41.275	31.750	215	262	2 800	3 800
	140.030	36.512	33.236	23.520	190	212	2 600	3 400
65.000	105.000	24.000	23.000	18.500	94.5	117	3 300	4 500
	110.000	28.000	28.000	22.500	132	174	3 200	4 300

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_{1as} and r_{1as} .



Dynamic equivalent radial load

$P_r = X F_r + Y F_a$

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

Static equivalent radial load

$P_{0r} = 0.5 F_r + Y_0 F_a$

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						Load center ²⁾ mm	Constant e	Axial load factors		Mass kg (approx.)
	d_a	d_b	D_a	D_b	r_{as} Max.	r_{1as} Max.			Y_2	Y_0	
4T-397/394A	69	68	101	105	0.8	1.3	0.7	0.40	1.49	0.82	0.918
#4T-JHM911244/JHM911211	84	74	109	123	3.5	3.3	-7.6	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	0.769
4T-3980/3920	75	68	99	106	3.5	3.3	4.5	0.40	1.49	0.82	1.34
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	2.45
4T-558/552A	76	72	109	116	2.3	3.3	9.4	0.35	1.73	0.95	2.09
4T-HM813841/HM813810	83	77	111	121	3.5	3.3	3.7	0.50	1.20	0.66	2.21
4T-65237/65500	87	71	107	119	3.5	3.3	9.3	0.49	1.23	0.68	2.59
4T-HM911245/HM911210	93	74	109	123.6	5	3.3	-5.2	0.82	0.73	0.40	2.12
4T-392/394A	70	69	101	105	0.8	1.3	0.7	0.40	1.49	0.82	0.88
4T-H715334/H715311	87	81	118	132	3.5	3.3	8.7	0.47	1.27	0.70	3.47
4T-H913842/H913810	90	82.4	124	138	3.5	3.3	-4.3	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	0.766
4T-28995/28920	75	69	90	97	3.5	3.3	2.5	0.43	1.41	0.78	0.762
4T-L610549/L610510	71	69	86	91	1.5	1.5	-0.6	0.42	1.41	0.78	0.453
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	0.93
4T-390A/394A	73	70	101	105	1.5	1.3	0.7	0.40	1.49	0.82	0.858
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	1.27
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	1.6
4T-483/472	78	72	107	114	3.5	2	3.9	0.38	1.56	0.86	1.43
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	81	75	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	84	78	111	121	3.5	3.3	3.7	0.50	1.20	0.66	2.13
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	0.87	0.69	0.38	2.54
#4T-JLM710949/JLM710910	77	71	96	100.5	3	1	0.3	0.45	1.32	0.73	0.744
#4T-JM511946/JM511910	78	72	99	105	3	2.5	3.4	0.40	1.49	0.82	1.09

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.