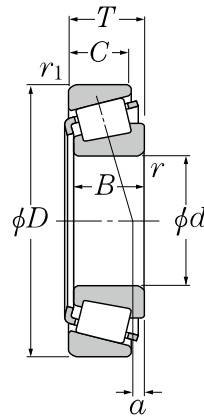


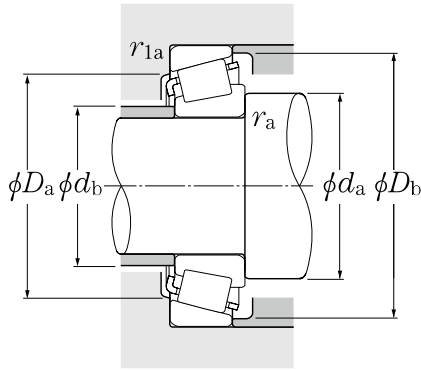
Inch series
J series



d 55.000 ~ 60.000mm

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
55.000	95.000	29.000	29.000	23.500	119	144	3 800	5 100
	96.838	21.000	21.946	15.875	86.5	96.5	3 700	5 000
	110.000	39.000	39.000	32.000	192	219	3 500	4 600
55.562	97.630	24.608	24.608	19.446	98.0	128	3 700	4 900
	123.825	36.512	32.791	25.400	171	188	2 900	3 900
	127.000	36.512	36.512	26.988	181	228	2 900	3 800
55.575	96.838	21.000	21.946	15.875	86.5	96.5	3 700	5 000
57.150	96.838	21.000	21.946	15.875	86.5	96.5	3 700	5 000
	96.838	21.000	21.946	15.875	86.5	96.5	3 700	5 000
	96.838	21.000	21.946	15.875	86.5	96.5	3 700	5 000
	96.838	21.000	21.946	15.875	86.5	96.5	3 700	5 000
	97.630	24.608	24.608	19.446	98.0	128	3 700	4 900
	104.775	30.162	29.317	24.605	127	148	3 500	4 700
	104.775	30.162	29.317	24.605	127	148	3 500	4 700
	104.775	30.162	30.958	23.812	144	169	3 500	4 700
	107.950	27.783	29.317	22.225	127	148	3 500	4 700
	110.000	22.000	21.996	18.824	99.5	120	3 200	4 300
	110.000	27.795	29.317	27.000	127	148	3 500	4 700
	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
	112.712	30.162	30.162	23.812	153	195	3 200	4 200
	117.475	30.162	30.162	23.812	129	175	3 000	4 000
	117.475	33.338	31.750	23.812	144	153	3 300	4 400
	120.650	41.275	41.275	31.750	190	213	3 300	4 400
	123.825	36.512	32.791	25.400	171	188	2 900	3 900
	123.825	38.100	36.678	30.162	175	216	3 000	4 100
	140.030	36.512	33.236	23.520	190	212	2 600	3 400
57.531	96.838	21.000	21.946	15.875	86.5	96.5	3 700	5 000
59.972	122.238	33.338	31.750	23.812	149	163	3 100	4 200
59.987	146.050	41.275	39.688	25.400	220	234	2 400	3 200
60.000	95.000	24.000	24.000	19.000	92.5	122	3 700	4 900
	107.950	25.400	25.400	19.050	101	140	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_{as} and r_{1as} .
1) As for the maximum value for inner ring bore diameters of bearings whose bearing numbers are marked with “†” (inner ring), the precision class is an integer for class 4 and class 2 bearings only.



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) 2)}	Installation-related dimensions						Load center ³⁾ 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-JM207049/JM207010	64	62	85	91	1.5	2.5	7.6	0.33	1.79	0.99	0.823
4T-385/382A	65	61	89	92	2.3	0.8	3.1	0.35	1.69	0.93	0.615
#4T-JH307749/JH307710	71	64	97	104	3	2.5	11.7	0.35	1.73	0.95	1.7
4T-28680/28622	68	62	88	92	3.5	0.8	3.3	0.40	1.49	0.82	0.776
4T-72218C/72487	80	67	102	116	3.5	3.3	-1.5	0.74	0.81	0.45	2
4T-HM813840/HM813810	78	72	111	121	3.5	3.3	3.7	0.50	1.20	0.66	2.34
4T-389/382A	65	61	89	92	2.3	0.8	3.1	0.35	1.69	0.93	0.606
4T-387/382A	67	63	89	92	2.3	0.8	3.1	0.35	1.69	0.93	0.582
4T-387A/382A	70	63	89	92	3.5	0.8	3.1	0.35	1.69	0.93	0.58
4T-387AS/382A	73	63	89	92	5	0.8	3.1	0.35	1.69	0.93	0.575
4T-387S/382A	64	63	89	92	0.8	0.8	3.1	0.35	1.69	0.93	0.584
4T-28682/28622	70	63	88	92	3.5	0.8	3.3	0.40	1.49	0.82	0.749
4T-462/453X	67	63	92	98	2.3	3.3	7.1	0.34	1.79	0.98	1.06
4T-469/453X	72	68	92	98	3.5	3.3	7.1	0.34	1.79	0.98	1.06
4T-45289/45220	65	65	93	99	0.8	3.3	7.9	0.33	1.80	0.99	1.1
4T-469/453A	72	68	97	100	3.5	0.8	7.1	0.34	1.79	0.98	1.11
4T-390/394A	70	66	101	105	2.3	1.3	0.7	0.40	1.49	0.82	0.961
4T-469/454	72	68	96	100	3.5	2	7.1	0.34	1.79	0.98	1.24
4T-3979/3920	72	66	99	106	3.5	3.3	4.5	0.40	1.49	0.82	1.41
4T-39580/39520	74	68	101	107	3.5	3.3	6.6	0.34	1.77	0.97	1.41
4T-39581/39520	81	66	101	107	8	3.3	6.6	0.34	1.77	0.97	1.4
4T-33225/33462	74	68	104	112	3.5	3.3	2.6	0.44	1.38	0.76	1.58
4T-66225/66462	76	68.9	100	111	3.5	3.3	0.4	0.63	0.96	0.53	1.54
4T-623/612	72	66	105	110	3.5	3.3	14.4	0.31	1.91	1.05	2.13
4T-72225C/72487	81	67	102	116	3.5	3.3	-1.5	0.74	0.81	0.45	1.96
4T-555S/552A	76	70	109	116	3.5	3.3	9.4	0.35	1.73	0.95	2.17
4T-78225/78551	83	77	117	132	3.5	2.3	-8.5	0.87	0.69	0.38	2.69
4T-388A/382A	70	63	89	92	3.5	0.8	3.1	0.35	1.69	0.93	0.574
4T-66589/66520	74	73	105	116	0.8	3.3	-1.8	0.67	0.90	0.50	1.66
4T-H913840†/H913810	97	82	124	138	3.5	3.3	-4.3	0.78	0.77	0.42	3.22
#4T-JLM508748/JLM508710	75	66	85	91	5	2.5	3.0	0.40	1.49	0.82	0.609
4T-29580/29520	75	68	96	103	3.5	3.3	0.6	0.46	1.31	0.72	0.992

2) 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.
3) Dimensions with “-” indicate a load center at the outside on the end of an inner ring.