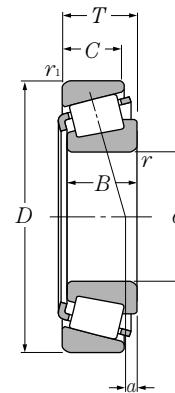


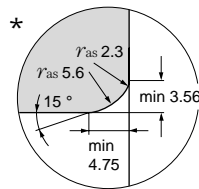
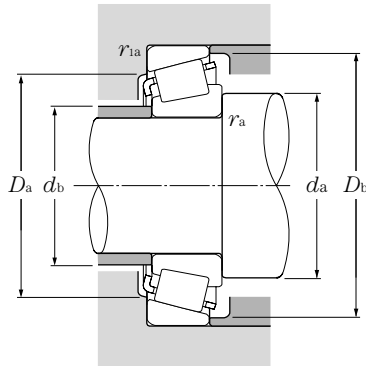
Inch system sizes
J system series



d 31.750 ~ 34.925mm

d	Boundary dimensions				Basic load ratings				Limiting speeds	
	D	T	B	C	dynamic kN	static kN	dynamic kgf	static kgf	grease rpm	oil rpm
31.750	62.000	19.050	20.638	14.288	46.5	54.0	4,750	5,500	6,100	8,200
	66.421	25.400	25.357	20.638	69.0	81.5	7,050	8,300	5,700	7,600
	68.262	22.225	22.225	17.462	57.0	67.0	5,800	6,850	5,800	7,700
	68.262	22.225	22.225	17.462	57.0	67.0	5,800	6,850	5,800	7,700
	69.012	19.845	19.583	15.875	48.5	58.0	4,900	5,900	5,600	7,400
	69.012	19.845	19.583	15.875	48.5	58.0	4,900	5,900	5,600	7,400
	69.850	23.812	25.357	19.050	69.0	81.5	7,050	8,300	5,700	7,600
	69.850	23.812	25.357	19.050	69.0	81.5	7,050	8,300	5,700	7,600
	72.626	30.162	29.997	23.812	84.5	98.0	8,600	9,950	5,500	7,300
	72.626	30.162	29.997	23.812	84.5	98.0	8,600	9,950	5,500	7,300
	73.025	22.225	22.225	17.462	56.5	68.0	5,750	6,900	5,300	7,000
	73.025	22.225	23.812	17.462	62.5	75.5	6,400	7,700	5,200	7,000
	73.025	29.370	27.783	23.020	72.0	97.0	7,350	9,850	5,400	7,100
73.812	29.370	27.783	23.020	72.0	97.0	7,350	9,850	5,400	7,100	
76.200	29.370	28.575	23.020	78.0	105	7,950	10,700	5,100	6,800	
79.375	29.370	29.771	23.812	93.0	114	9,450	11,600	4,900	6,600	
33.338	68.262	22.225	22.225	17.462	56.5	71.0	5,750	7,250	5,700	7,500
	69.012	19.845	19.583	15.875	48.5	58.0	4,900	5,900	5,600	7,400
	69.850	23.812	25.357	19.050	69.0	81.5	7,050	8,300	5,700	7,600
	72.626	30.162	29.997	23.812	84.5	98.0	8,600	9,950	5,500	7,300
	73.025	29.370	27.783	23.020	72.0	97.0	7,350	9,850	5,400	7,100
	76.200	23.812	25.654	19.050	73.0	90.5	7,450	9,200	5,100	6,800
	76.200	29.370	28.575	23.020	78.0	105	7,950	10,700	5,100	6,800
	76.200	29.370	28.575	23.020	78.0	105	7,950	10,700	5,100	6,800
79.375	25.400	24.074	17.462	65.5	67.0	6,650	6,800	5,200	6,900	
34.925	65.088	18.034	18.288	13.970	46.5	56.0	4,750	5,700	5,700	7,600
	65.088	18.034	18.288	13.970	46.5	56.0	4,750	5,700	5,700	7,600
	69.012	19.845	19.583	15.875	48.5	58.0	4,900	5,900	5,600	7,400
	72.233	25.400	25.400	19.842	65.0	84.5	6,600	8,600	5,400	7,200
	72.238	20.638	20.638	15.875	48.0	58.5	4,900	5,950	5,300	7,000
	73.025	22.225	22.225	17.462	56.5	68.0	5,750	6,900	5,300	7,000
	73.025	22.225	22.225	17.462	56.5	68.0	5,750	6,900	5,300	7,000
	73.025	22.225	23.812	17.462	62.5	75.5	6,400	7,700	5,200	7,000
	73.025	23.812	24.608	19.050	71.0	85.0	7,200	8,700	5,300	7,100
	73.025	23.812	24.608	19.050	71.0	85.0	7,200	8,700	5,300	7,100
	73.025	23.812	25.654	19.050	73.0	90.5	7,450	9,200	5,100	6,800
76.200	23.812	25.654	19.050	73.0	90.5	7,450	9,200	5,100	6,800	

Note: 1. With regard to the chamfer dimensions on the back face of the inner and outer rings, installation dimensions r_{as} and r_{1as} are larger than the maximum value.
2. Chamfer dimensions of bearings marked "*" are shown in drawings.



Equivalent bearing load dynamic

$$P_r = XF_r + YF_a$$

$\frac{F_a}{F_r}$	e	$\frac{F_a}{F_r} > e$
X	Y	X
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	
	d_a	d_b	D_a	D_b	r_{as} max	r_{1as} max					(approx.)
4T-15126/15245	37	36.5	55	58	0.8	1.3	6.0	0.35	1.71	0.94	0.255
4T-2580/2520	38.5	37.5	57	62	0.8	3.3	9.1	0.27	2.19	1.21	0.409
4T-02475/02420	44.5	38.5	59	63	3.5	1.5	5.2	0.42	1.44	0.79	0.38
4T-02476/02420	39	38.5	59	63	0.8	1.5	5.2	0.42	1.44	0.79	0.383
4T-14124/14276	38.5	37.5	60	63	0.8	1.3	4.1	0.38	1.57	0.86	0.359
4T-14125A/14276	44	37.5	60	63	3.5	1.3	4.1	0.38	1.57	0.86	0.356
4T-2580/2523	38.5	37.5	61	64	0.8	1.3	9.1	0.27	2.19	1.21	0.454
4T-2582/2523	44	37.5	61	64	3.5	1.3	9.1	0.27	2.19	1.21	0.451
4T-3188/3120	40	39.5	61	67	0.8	3.3	9.9	0.33	1.80	0.99	0.603
4T-3193/3120	45.5	39.5	61	67	3.5	3.3	9.9	0.33	1.80	0.99	0.601
4T-02875/02820	45.5	39.5	62	68	3.5	3.3	3.9	0.45	1.32	0.73	0.451
4T-2879/2820	39.5	38.5	63	68	0.8	3.3	5.5	0.37	1.63	0.90	0.465
4T-HM88542/HM88510	45.5	42.5	59	70	1.3	3.3	6.0	0.55	1.10	0.60	0.622
4T-HM88542/HM88512	45.5	42.5	60	70	1.3	3.3	6.0	0.55	1.10	0.60	0.638
4T-HM89440/HM89410	45.5	44.5	62	73	0.8	3.3	5.8	0.55	1.10	0.60	0.686
4T-3476/3420	43	41	67	74	1.3	3.3	8.7	0.37	1.64	0.90	0.767
4T-M88048/M88010	42.5	41	58	65	0.8	1.5	2.9	0.55	1.10	0.60	0.378
4T-14130/14276	45	38.5	60	63	3.5	1.3	4.1	0.38	1.57	0.86	0.344
4T-2585/2523	45	39	61	64	3.5	1.3	9.1	0.27	2.19	1.21	0.435
4T-3196/3120	47	40.5	61	67	3.5	3.3	9.9	0.33	1.80	0.99	0.581
4T-HM88547/HM88510	45.5	42.5	59	70	0.8	3.3	6.0	0.55	1.10	0.60	0.604
4T-2785/2720	46	40	66	70	3.5	3.3	7.8	0.30	1.98	1.09	0.551
4T-HM89443/HM89410	46.5	44.5	62	73	0.8	3.3	5.8	0.55	1.10	0.60	0.668
4T-HM89444/HM89410	53	44.5	62	73	3.8	3.3	5.8	0.55	1.10	0.60	0.665
4T-43131/43312	51	42	67	74	3.5	1.5	1.4	0.67	0.90	0.49	0.568
4T-LM48548/LM48510	46	40	58	61	*	1.3	3.7	0.38	1.59	0.88	0.249
4T-LM48548A/LM48510	40.5	42	58	61	0.8	1.3	3.7	0.38	1.59	0.88	0.252
4T-14137A/14276	42	40	60	63	1.5	1.3	4.1	0.38	1.57	0.86	0.333
4T-HM88649/HM88610	48.5	42.5	60	69	2.3	2.3	4.6	0.55	1.10	0.60	0.489
4T-16137/16284	47	40.5	63	67	3.5	1.3	4.2	0.40	1.49	0.82	0.385
4T-02877/02820	48.5	42	62	68	3.5	3.3	3.9	0.45	1.32	0.73	0.422
4T-02878/02820	42.5	42	62	68	0.8	3.3	3.9	0.45	1.32	0.73	0.425
4T-2878/2820	42	41	63	68	0.8	3.3	5.5	0.37	1.63	0.90	0.434
4T-25877/25820	43	40.5	64	68	1.5	2.3	8.1	0.29	2.07	1.14	0.471
4T-25877/25821	43	40.5	65	68	1.5	0.8	8.1	0.29	2.07	1.14	0.474
4T-2793/2735X	42	41	66	69	0.8	0.8	7.8	0.30	1.98	1.09	0.485
4T-2793/2720	42	41	66	70	0.8	3.3	7.8	0.30	1.98	1.09	0.536