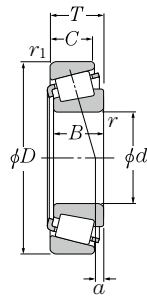


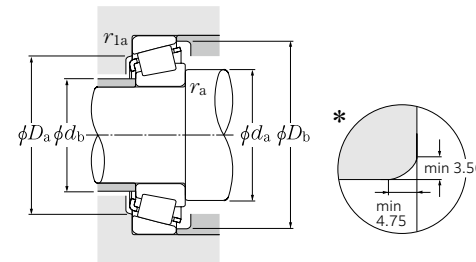
Inch series



d 38.100 ~ 41.275mm

d	Boundary dimensions				Basic load rating		Allowable speed	
	mm				dynamic C <sub>r</sub> kN	static C <sub>0r</sub>	min <sup>-1</sup>	
	D	T	B	C			Grease lubrication	Oil lubrication
38.100	76.200	20.638	20.940	15.507	61.5	63.0	5 000	6 700
	76.200	23.812	25.654	19.050	81.0	90.5	5 100	6 800
	76.200	23.812	25.654	19.050	81.0	90.5	5 100	6 800
	79.375	23.812	25.400	19.050	85.0	97.5	4 800	6 400
	79.375	29.370	29.771	23.812	103	114	4 900	6 600
	80.000	21.006	20.940	15.875	61.5	63.0	5 000	6 700
	80.035	24.608	23.698	18.512	74.5	82.5	4 800	6 400
	82.550	29.370	28.575	23.020	96.5	117	4 700	6 200
	82.931	23.812	25.400	19.050	84.5	98.0	4 500	6 000
	85.725	30.162	30.162	23.812	116	132	4 500	6 000
87.312	30.162	30.886	23.812	104	117	4 400	5 900	
88.500	25.400	23.698	17.462	78.5	78.0	4 000	5 300	
88.500	26.988	29.083	22.225	106	107	4 600	6 100	
39.688	76.200	23.812	25.654	19.050	81.0	90.5	5 100	6 800
	77.534	29.370	30.391	23.812	105	112	4 800	6 400
	79.375	23.812	25.400	19.050	85.0	97.5	4 800	6 400
	80.035	29.370	30.391	23.812	105	112	4 800	6 400
	80.167	29.370	30.391	23.812	105	112	4 800	6 400
	88.500	25.400	23.698	17.462	78.5	78.0	4 000	5 300
40.000	76.200	20.638	20.940	15.507	61.5	63.0	5 000	6 700
	80.000	21.000	22.403	17.826	75.5	75.0	4 700	6 300
	85.000	20.638	21.692	17.462	77.5	79.5	4 400	5 800
	88.500	26.988	29.083	22.225	106	107	4 600	6 100
	107.950	36.512	36.957	28.575	157	177	3 600	4 800
40.483	82.550	29.370	28.575	23.020	96.5	117	4 700	6 200
40.988	67.975	17.500	18.000	13.500	51.0	62.5	5 300	7 000
41.275	73.025	16.667	17.462	12.700	51.0	55.5	5 000	6 600
	73.431	19.558	19.812	14.732	62.0	69.5	5 000	6 600
	73.431	21.430	19.812	16.604	62.0	69.5	5 000	6 600
	76.200	18.009	17.384	14.288	47.0	51.5	4 900	6 500
	76.200	22.225	23.020	17.462	72.0	80.5	4 900	6 500
	76.200	25.400	25.400	20.638	85.0	97.5	4 800	6 400
	79.378	23.812	25.400	19.050	85.0	97.5	4 800	6 400
	80.000	18.009	17.384	14.288	47.0	51.5	4 900	6 500

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  $r_{1a}$  and  $r_{1as}$ .  
 1) As for the maximum value for inner and outer ring diameters of bearings whose bearing numbers are marked with "†" (inner ring) and "††" (outer ring), the precision class is an integer for class 4 and class 2 bearings only.  
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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 <sup>1)</sup>	Installation-related dimensions						Load center <sup>3)</sup> mm	Constant e	Axial load factors		Mass kg (approx.)
	mm								$Y_2$	$Y_0$	
	$d_a$	$d_b$	$D_a$	$D_b$	$r_{as}^{2)}$ Max.	$r_{1as}$ Max.	a	e	$Y_2$	$Y_0$	
4T-28150/28300	45.5	43.5	68	71	1.5	1.3	4.8	0.40	1.49	0.82	0.406
4T-2776/2720	52	43.5	66	70	4.3	0.8	7.8	0.30	1.98	1.09	0.495
4T-2788/2720	50	43.5	66	70	3.5	3.3	7.8	0.30	1.98	1.09	0.494
4T-26878/26822	45	44.5	71	74	0.8	0.8	7.4	0.32	1.88	1.04	0.575
4T-3490/3420	52	45.5	67	74	3.5	3.3	8.7	0.37	1.64	0.90	0.688
4T-28150/28315	45.5	43.5	69	73	1.5	1.5	4.8	0.40	1.49	0.82	0.467
4T-27880/27820	48	47	68	75	0.8	1.5	2.5	0.56	1.07	0.59	0.567
4T-HM801346/HM801310	51	49.1	68	78	0.8	3.3	4.7	0.55	1.10	0.60	0.767
4T-25572/25520	46	46	74	77	0.8	0.8	6.2	0.33	1.79	0.99	0.646
4T-3875/3820	49.5	48.5	73	81	0.8	3.3	8.1	0.40	1.49	0.82	0.861
4T-3580/3525	48	45.5	75	81	1.5	3.3	10.0	0.31	1.96	1.08	0.881
4T-44150/44348	55	50.8	75	84	2.3	1.5	-2.9	0.78	0.77	0.42	0.714
4T-418/414	51	44.5	77	80	3.5	1.5	9.1	0.26	2.28	1.25	0.843
4T-2789/2720	52	45	66	70	3.5	3.3	7.8	0.30	1.98	1.09	0.475
4T-3382/3321	52	45.5	68	75	3.5	3.3	11.2	0.27	2.20	1.21	0.669
4T-26880/26822	48	45.5	71	74	1.5	0.8	7.4	0.32	1.88	1.04	0.556
4T-3382/3339	52	45.5	71	74.8	3.5	1.5	11.2	0.27	2.20	1.21	0.666
4T-3386/3320	46.5	45.5	70	75	0.8	3.3	11.2	0.27	2.20	1.21	0.672
4T-44158/44348	58	50.8	75	84	3.5	1.5	-2.9	0.78	0.77	0.42	0.691
4T-28158/28300	47.5	45	68	71	1.5	1.3	4.8	0.40	1.49	0.82	0.387
4T-344/332	52	45.5	73	75	3.5	1.3	6.6	0.27	2.20	1.21	0.479
4T-350A/354A	47.5	46.5	77	80	0.8	1.3	5.1	0.31	1.96	1.08	0.566
4T-420/414	52	46	77	80	3.5	1.5	9.1	0.26	2.28	1.25	0.817
4T-543/532X	57	50	94	100	3.5	3.3	12.3	0.30	2.02	1.11	1.77
4T-HM801349/HM801310	58	49.1	68	78	3.5	3.3	4.7	0.55	1.10	0.60	0.734
4T-LM300849†/LM300811††	52	45.5	61	65	*	1.5	3.6	0.35	1.72	0.95	0.232
4T-18590/18520	53	46	66	69	3.5	1.5	2.9	0.35	1.71	0.94	0.283
4T-LM501349/LM501310	54	48	67	70	3.5	0.8	3.3	0.40	1.50	0.83	0.334
4T-LM501349/LM501314	54	48	65	70	3.5	0.8	3.3	0.40	1.50	0.83	0.354
4T-11162/11300	49	46.5	67	71	1.5	1.5	0.7	0.49	1.23	0.68	0.337
4T-24780/24720	54	47	68	72	3.5	0.8	4.5	0.39	1.53	0.84	0.435
4T-26882/26823	54	47	69	73	3.5	1.5	7.4	0.32	1.88	1.04	0.49
4T-26885/26822	48	47	71	74	0.8	0.8	7.4	0.32	1.88	1.04	0.535
4T-11162/11315	49	46.5	69	73	1.5	1.5	0.7	0.49	1.23	0.68	0.389

2) Chamfer dimensions of the bearings marked "\*" are shown in the above drawings.  
 3) Dimensions with "-" indicate a load center at the outside on the end of an inner ring.  
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