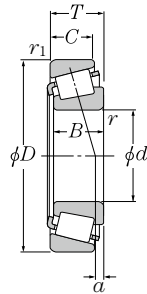


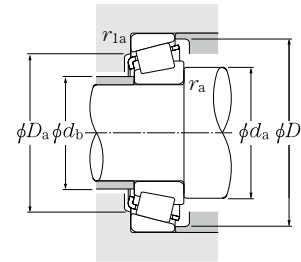
Inch series



d 41.275 ~ 44.450mm

d	Boundary dimensions				Basic load rating		Allowable speed	
	mm				dynamic C <sub>r</sub>	static C <sub>0r</sub>	Grease lubrication	Oil lubrication
	D	T	B	C				
41.275	80.000	21.000	22.403	17.826	75.5	75.0	4 700	6 300
	79.378	23.812	25.400	19.050	85.0	97.5	4 800	6 400
	82.550	26.543	25.654	20.193	89.0	104	4 600	6 100
	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
	88.900	30.162	29.370	23.020	104	125	4 300	5 800
	90.488	39.688	40.386	33.338	151	175	4 300	5 800
	92.075	26.195	23.812	16.670	80.5	81.5	3 800	5 000
	93.662	31.750	31.750	26.195	115	131	4 100	5 500
	95.250	30.162	29.370	23.020	120	147	4 000	5 300
95.250	30.958	28.300	20.638	91.5	92.0	3 700	5 000	
95.250	30.958	28.575	22.225	107	116	3 700	4 900	
42.070	90.488	39.688	40.386	33.338	151	175	4 300	5 800
42.862	82.550	26.195	26.988	20.638	83.5	97.0	4 600	6 100
	82.931	23.812	25.400	19.050	84.5	98.0	4 500	6 000
	87.312	30.162	30.886	23.812	104	117	4 400	5 900
42.875	79.375	23.812	25.400	19.050	85.0	97.5	4 800	6 400
	82.931	23.812	25.400	19.050	84.5	98.0	4 500	6 000
44.450	76.992	17.462	17.145	11.908	48.5	54.0	4 700	6 300
	79.375	17.462	17.462	13.495	50.5	56.0	4 600	6 200
	82.931	23.812	25.400	19.050	84.5	98.0	4 500	6 000
	82.931	23.812	25.400	19.050	84.5	98.0	4 500	6 000
	84.138	30.162	30.886	23.812	104	117	4 400	5 900
	85.000	20.638	21.692	17.462	77.5	79.5	4 400	5 800
	87.312	30.162	30.886	23.812	104	117	4 400	5 900
	88.900	30.162	29.370	23.020	104	125	4 300	5 800
	93.264	30.162	30.302	23.812	113	134	4 000	5 300
	93.662	31.750	31.750	26.195	115	131	4 100	5 500
	95.250	27.783	28.575	22.225	119	139	3 900	5 200
	95.250	27.783	29.900	22.225	120	129	4 200	5 600
	95.250	30.162	29.370	23.020	120	147	4 000	5 300
	95.250	30.958	28.300	20.638	91.5	92.0	3 700	5 000
95.250	30.958	28.575	22.225	107	116	3 700	4 900	
101.600	34.925	36.068	26.988	150	165	3 800	5 000	
104.775	30.162	29.317	24.605	127	148	3 500	4 700	

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  $r_{1as}$ .



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	Installation-related dimensions						Load center <sup>1)</sup> mm	Constant e	Axial load factors		Mass kg (approx.)	
	mm								a	Y <sub>2</sub>		Y <sub>0</sub>
	d <sub>a</sub>	d <sub>b</sub>	D <sub>a</sub>	D <sub>b</sub>	r <sub>as</sub> Max.	r <sub>1as</sub> Max.						
4T-336/332	47	46	73	75	0.8	1.3	6.6	0.27	2.20	1.21	0.468	
4T-26882/26824	54	47	70	74	3.5	0.8	7.4	0.32	1.88	1.04	0.532	
4T-M802048/M802011	57	50.6	70	79	3.5	3.3	3.2	0.55	1.10	0.60	0.641	
4T-3880/3820	52	50	73	81	0.8	3.3	8.1	0.40	1.49	0.82	0.814	
4T-3576/3525	49	48	75	81	0.8	3.3	10.0	0.31	1.96	1.08	0.83	
4T-HM803145/HM803110	54	53	74	85	0.8	3.3	4.6	0.55	1.10	0.60	0.902	
4T-4388/4335	60	52	77	85	3.5	3.3	15.0	0.28	2.11	1.16	1.26	
4T-M903345/M903310	65	54	78	88	3.5	1.5	-3.6	0.83	0.72	0.40	0.758	
4T-46162/46368	52	51	79	87	0.8	3.3	7.1	0.40	1.49	0.82	1.09	
4T-HM804840/HM804810	61	54	81	91	3.5	3.3	3.7	0.55	1.10	0.60	1.08	
4T-53162/53375	57	52.7	81	89	1.5	0.8	0.5	0.74	0.81	0.45	0.974	
4T-HM903245/HM903210	63	54	81	91	3.5	0.8	-0.4	0.74	0.81	0.45	1.05	
4T-4395/4335	60	52	77	85	3.5	3.3	15.0	0.28	2.11	1.16	1.24	
4T-22780/22720	56	50	71	77	3.5	3.3	6.4	0.40	1.49	0.82	0.618	
4T-25578/25520	53	49.5	74	77	2.3	0.8	6.2	0.33	1.79	0.99	0.584	
4T-3579/3525	56	49.5	75	81	3.5	3.3	10.0	0.31	1.96	1.08	0.807	
4T-26884/26822	55	48.5	71	74	3.5	0.8	7.4	0.32	1.88	1.04	0.511	
4T-25577/25520	55	49	74	77	3.5	0.8	6.2	0.33	1.79	0.99	0.582	
4T-12175/12303	52	49.5	68	73	1.5	1.5	-0.2	0.51	1.19	0.65	0.308	
4T-18685/18620	54	49.5	71	74	2.8	1.5	2.2	0.37	1.60	0.88	0.347	
4T-25580/25520	57	50	74	77	3.5	0.8	6.2	0.33	1.79	0.99	0.56	
4T-25582/25520	60	50	74	77	5	0.8	6.2	0.33	1.79	0.99	0.564	
4T-3578/3520	57	51	74	79.5	3.5	3.3	10.0	0.31	1.96	1.08	0.701	
4T-355/354A	54	50	77	80	2.3	1.3	5.1	0.31	1.96	1.08	0.511	
4T-3578/3525	57	51	75	81	3.5	3.3	10.0	0.31	1.96	1.08	0.78	
4T-HM803149/HM803110	62	53.4	74	85	3.5	3.3	4.6	0.55	1.10	0.60	0.85	
4T-3782/3720	58	52	82	87.9	3.5	3.3	8.3	0.34	1.77	0.97	0.959	
4T-46175/46368	55	54	79	87	0.8	3.3	7.1	0.40	1.49	0.82	1.04	
4T-33885/33821	53	53	85	90	0.8	2.3	8.0	0.33	1.82	1.00	0.986	
4T-438/432	57	51	83	87	3.5	2.3	9.2	0.28	2.11	1.16	0.957	
4T-HM804842/HM804810	57	57	81	91	0.8	3.3	3.7	0.55	1.10	0.60	1.04	
4T-53177/53375	63	52.7	81	89	3.5	0.8	0.5	0.74	0.81	0.45	0.93	
4T-HM903249/HM903210	65	54	81	91	3.5	0.8	-0.4	0.74	0.81	0.45	0.999	
4T-527/522	59	53	89	95	3.5	3.3	12.9	0.29	2.10	1.16	1.36	
4T-460/453X	60	54	92	98	3.5	3.3	7.1	0.34	1.79	0.98	1.29	

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