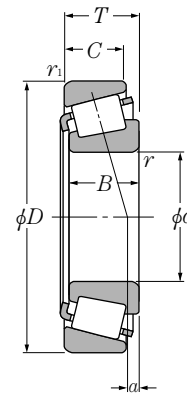


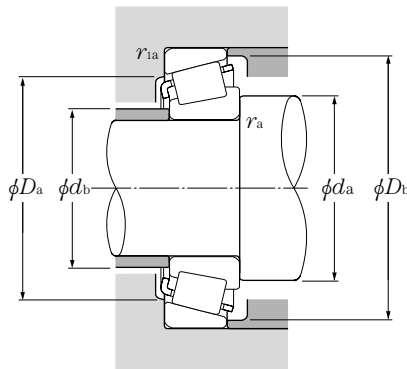
Inch series



d 22.225 ~ 28.575mm

d	Boundary dimensions				dynamic kN	Basic load ratings			Limiting speeds	
	D	T	B	C		static C _{or}	dynamic C _r	static C _{or}	grease	oil
22.225	56.896	19.368	19.837	15.875	42.5	46.5	4 350	4 750	7 200	9 600
	57.150	22.225	22.225	17.462	47.0	49.5	4 800	5 050	7 100	9 500
22.606	47.000	15.500	15.500	12.000	27.5	32.5	2 800	3 300	8 200	11 000
23.812	50.005	13.495	14.260	9.525	26.0	27.9	2 650	2 850	7 500	10 000
	50.292	14.224	14.732	10.668	28.8	34.0	2 940	3 450	7 400	9 900
	56.896	19.368	19.837	15.875	42.5	46.5	4 350	4 750	7 200	9 600
24.981	50.005	13.495	14.260	9.525	26.0	27.9	2 650	2 850	7 500	10 000
25.000	50.005	13.495	14.260	9.525	26.0	27.9	2 650	2 850	7 500	10 000
25.159	50.005	13.495	14.260	9.525	26.0	27.9	2 650	2 850	7 500	10 000
25.400	50.005	13.495	14.260	9.525	26.0	27.9	2 650	2 850	7 500	10 000
	50.005	13.495	14.260	9.525	26.0	27.9	2 650	2 850	7 500	10 000
	50.292	14.224	14.732	10.668	28.8	34.0	2 940	3 450	7 400	9 900
	51.994	15.011	14.260	12.700	26.0	27.9	2 650	2 850	7 500	10 000
	56.896	19.368	19.837	15.875	42.5	46.5	4 350	4 750	7 200	9 600
	57.150	19.431	19.431	14.732	42.0	48.5	4 300	4 950	6 900	9 200
	61.912	19.050	20.638	14.288	46.5	54.0	4 750	5 500	6 100	8 200
	62.000	19.050	20.638	14.288	46.5	54.0	4 750	5 500	6 100	8 200
	62.000	19.050	20.638	14.288	46.5	54.0	4 750	5 500	6 100	8 200
	64.292	21.433	21.433	16.670	51.5	64.5	5 250	6 600	6 100	8 100
65.088	22.225	21.463	15.875	47.0	50.5	4 800	5 150	5 700	7 600	
66.421	23.812	25.433	19.050	64.5	72.5	6 550	7 400	6 200	8 200	
26.157	62.000	19.050	20.638	14.288	46.5	54.0	4 750	5 500	6 100	8 200
26.162	66.421	23.812	25.433	19.050	64.5	72.5	6 550	7 400	6 200	8 200
26.988	50.292	14.224	14.732	10.668	28.8	34.0	2 940	3 450	7 400	9 900
	60.325	19.842	17.462	15.875	39.5	45.5	4 050	4 650	6 700	8 900
	62.000	19.050	20.638	14.288	46.5	54.0	4 750	5 500	6 100	8 200
	66.421	23.812	25.433	19.050	64.5	72.5	6 550	7 400	6 200	8 200
28.575	56.896	19.845	19.355	15.875	40.5	44.5	4 150	4 550	6 700	8 900
	57.150	17.462	17.462	13.495	39.5	45.5	4 050	4 650	6 700	8 900

Note: 1. Chamfer dimensions on the back face of the inner and outer rings of the bearing are larger than maximum values for installation dimensions r_{as} and r_{1as} .
 2. 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.



Equivalent radial load dynamic

$$P_r = XF_r + YF_a$$

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

static

$$P_{or} = 0.5F_r + Y_0F_a$$

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 e	Axial load factors		Mass kg (approx.)
	mm								a	e	
	d_a	d_b	D_a	D_b	r_{as} max	r_{1as} max					
4T-1755/1729	29	27.5	49	51	1.3	1.3	6.5	0.31	1.95	1.07	0.256
4T-1280/1220	29.5	29	49	52	0.8	1.5	7.1	0.35	1.73	0.95	0.286
4T-LM72849/LM72810	30	28	40.5	44	1.5	1	3.0	0.47	1.27	0.70	0.125
4T-07093/07196	30.5	28.5	44.5	47	1.5	1	3.0	0.40	1.49	0.82	0.123
4T-L44640/L44610	30.5	28.5	44.5	47	1.5	1.3	3.4	0.37	1.60	0.88	0.137
4T-1779/1729	29.5	28.5	49	51	0.8	1.3	6.5	0.31	1.95	1.07	0.247
4T-07098/07196	31	29	44.5	47	1.5	1	3.0	0.40	1.49	0.82	0.118
4T-07097/07196	31	29	44.5	47	1.5	1	3.0	0.40	1.49	0.82	0.118
4T-07096/07196	31.5	29.5	44.5	47	1.5	1	3.0	0.40	1.49	0.82	0.117
4T-07100/07196	30.5	29.5	44.5	47	1	1	3.0	0.40	1.49	0.82	0.117
4T-07100S/07196	31.5	29.5	44.5	47	1.5	1	3.0	0.40	1.49	0.82	0.116
4T-L44643/L44610	31.5	29.5	44.5	47	1.3	1.3	3.4	0.37	1.60	0.88	0.13
4T-07100/07204	30.5	29.5	45	48	1	1.3	3.0	0.40	1.49	0.82	0.144
4T-1780/1729	30.5	30	49	51	0.8	1.3	6.5	0.31	1.95	1.07	0.238
4T-M84548/M84510	36	33	48.5	54	1.5	1.5	3.4	0.55	1.10	0.60	0.241
4T-15101/15243	32.5	31.5	54	58	0.8	2	6.0	0.35	1.71	0.94	0.3
4T-15100/15245	38	31.5	55	58	3.5	1.3	6.0	0.35	1.71	0.94	0.299
4T-15102/15245	34	31.5	55	58	1.5	1.3	6.0	0.35	1.71	0.94	0.301
4T-M86643/M86610	38	36.5	54	61	1.5	1.5	3.3	0.55	1.10	0.60	0.371
4T-23100/23256	39	34.5	53	63	1.5	1.5	2.0	0.73	0.82	0.45	0.36
4T-2687/2631	33.5	31.5	58	60	1.3	1.3	9.3	0.25	2.36	1.30	0.442
4T-15103/15245	33	32.5	55	58	0.8	1.3	6.0	0.35	1.71	0.94	0.296
4T-2682/2631	34.5	32	58	60	1.5	1.3	9.3	0.25	2.36	1.30	0.436
4T-L44649†/L44610	37.5	31	44.5	47	3.5	1.3	3.4	0.37	1.60	0.88	0.12
4T-15580†/15523	38.5	32	51	54	3.5	1.5	5.0	0.35	1.73	0.95	0.26
4T-15106†/15245	33.5	33	55	58	0.8	1.3	6.0	0.35	1.71	0.94	0.291
4T-2688†/2631	35	33	58	60	1.5	1.3	9.3	0.25	2.36	1.30	0.429
4T-1985/1930	34	33.5	51	54	0.8	0.8	6.7	0.33	1.82	1.00	0.217
4T-15590/15520	39.5	33.5	51	53	3.5	1.5	5.0	0.35	1.73	0.95	0.196