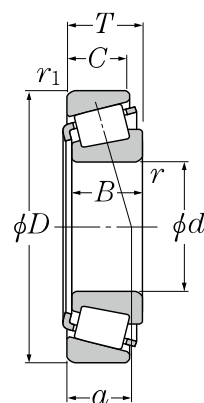


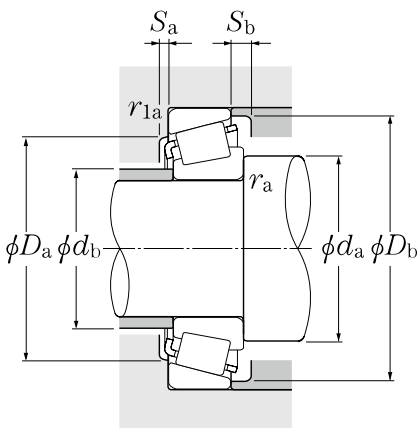
Metric series



d 30 ~ 45mm

Boundary dimensions							Basic load rating		Fatigue load limit kN C_u	Allowable speed min ⁻¹		Bearing number ²⁾
mm							dynamic	static		Grease lubrication	Oil lubrication	
d	D	T	B	C	$r_{s\min}^{1)}$	$r_{ls\min}^{1)}$	C_r	C_{0r}				
30	72	20.75	19	15	1.5	1.5	65.0	58.5	—	5 500	7 300	4T-30306CA
	72	20.75	19	14	1.5	1.5	53.5	51.5	—	5 000	6 700	4T-30306D
	72	28.75	27	23	1.5	1.5	89.5	90.0	—	5 700	7 600	4T-32306
	72	28.75	27	23	1.5	1.5	88.0	94.0	—	5 500	7 300	4T-32306C
	72	28.75	27	23	1.5	1.5	77.5	88.5	—	5 500	7 300	○ 4T-32306CR
32	58	17	17	13	1	1	41.0	46.5	—	6 600	8 700	4T-320/32X
	65	26	26	20.5	1	1	78.5	85.0	—	6 000	8 000	4T-332/32
	75	29.75	28	23	1.5	1.5	93.5	102	—	5 200	6 900	4T-323/32C
35	55	14	14	11.5	0.6	0.6	30.5	37.5	4.60	6 800	9 000	32907XU
	62	18	18	14	1	1	46.0	52.5	—	6 100	8 100	4T-32007X
	62	21	21	17	1	1	56.0	66.5	—	6 100	8 100	4T-33007
	72	18.25	17	15	1.5	1.5	61.5	61.5	—	5 500	7 400	4T-30207
	72	24.25	23	19	1.5	1.5	80.5	87.0	—	5 500	7 400	4T-32207
	72	24.25	23	19	1.5	1.5	75.5	85.5	—	5 300	7 100	4T-32207C
	72	24.25	23	18	1.5	1.5	68.5	78.5	—	5 300	7 100	○ 4T-32207CR
	72	28	28	22	1.5	1.5	97.0	109	—	5 500	7 400	4T-33207
	80	22.75	21	18	2	1.5	83.0	77.0	—	5 000	6 600	4T-30307
	80	22.75	21	17	2	1.5	73.5	68.5	—	4 800	6 400	4T-30307C
	80	22.75	21	15	2	1.5	70.5	70.0	—	4 400	5 800	4T-30307D
	80	32.75	31	25	2	1.5	112	115	—	5 000	6 600	4T-32307
40	80	32.75	31	25	2	1.5	103	117	—	4 800	6 400	4T-32307C
	62	15	15	12	0.6	0.6	36.0	48.0	5.85	5 900	7 800	32908XU
	68	19	19	14.5	1	1	55.5	65.5	—	5 300	7 100	4T-32008X
	68	22	22	18	1	1	66.0	82.5	—	5 300	7 100	4T-33008
	75	26	26	20.5	1.5	1.5	88.0	103	—	5 200	6 900	4T-33108
	80	19.75	18	16	1.5	1.5	68.0	67.0	—	4 900	6 600	4T-30208
	80	24.75	23	19	1.5	1.5	88.0	93.5	—	4 900	6 600	4T-32208
	80	32	32	25	1.5	1.5	115	132	—	4 900	6 600	4T-33208
	85	33	32.5	28	2.5	2	131	144	—	4 600	6 200	4T-T2EE040
	90	25.25	23	20	2	1.5	101	102	—	4 400	5 900	4T-30308
	90	25.25	23	19	2	1.5	92.0	87.0	—	4 200	5 600	4T-30308C
	90	25.25	23	17	2	1.5	85.5	85.5	—	3 900	5 200	4T-30308D
45	90	35.25	33	27	2	1.5	136	150	18.3	4 400	5 900	32308U
	90	35.25	33	27	2	1.5	122	140	—	4 200	5 600	4T-32308C
	68	15	15	12	0.6	0.6	37.5	51.5	6.3	5 300	7 000	32909XU

1) Smallest allowable dimension for chamfer dimension r or r_1 .
2) Bearings with a ○ mark do not incorporate the subunit dimensions.



Dynamic equivalent radial load

$P_r = XF_r + YF_a$

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

Static equivalent radial load

$P_{0r} = 0.5F_r + Y_0F_a$

When $P_{0r} < F_r$ use $P_{0r} = F_r$.

For values of e , Y_2 and Y_0 see the table below.

ISO Dimension series	Installation-related dimensions									Load center mm	Constant	Axial load factors		Mass kg
	d_a	d_b	D_a		mm D_b	S_a	S_b	r_{as}	r_{1as}			Y_2	Y_0	
	Min.	Max.	Max.	Min.	Min.	Min.	Min.	Max.	Max.			a	e	
7FB	38.5	39.5	63.5	58	67	3	5.5	1.5	1.5	17.5	0.47	1.27	0.70	0.399
	38.5	39.5	63.5	53.5	68	3	6.5	1.5	1.5	23.5	0.83	0.73	0.40	0.394
	38.5	39	63.5	57.5	66.5	3	5.5	1.5	1.5	18.5	0.31	1.90	1.05	0.577
	38.5	38	63.5	52	69	2	5.5	1.5	1.5	23	0.55	1.10	0.60	0.591
	38.5	38	63.5	49.5	67.5	2	5.5	1.5	1.5	23	0.61	0.99	0.54	0.594
4CC	37.5	37.5	52.5	47.5	55.5	3	4	1	1	14.5	0.45	1.32	0.73	0.188
2DE	37.5	38	59.5	53	62	5	5.5	1	1	17	0.35	1.73	0.95	0.394
5FD	40.5	40	66.5	55	71.5	3	6.5	1.5	1.5	23	0.55	1.10	0.60	0.652
2BD	39.5	40	50.5	48	52.5	2.5	2.5	0.6	0.6	10.5	0.29	2.06	1.13	0.121
4CC	40.5	40.5	56.5	51.5	59.5	4	4	1	1	15.5	0.45	1.32	0.73	0.223
2CE	40.5	40.5	56.5	52	59	3	4	1	1	14	0.31	1.97	1.08	0.263
3DB	43.5	43.5	63.5	60.5	67.5	3	3	1.5	1.5	15	0.37	1.60	0.88	0.341
3DC	43.5	42.5	63.5	58.5	67.5	3	5	1.5	1.5	17.5	0.37	1.60	0.88	0.455
5DC	43.5	41.5	63.5	54.5	68.5	3	6	1.5	1.5	21.5	0.58	1.03	0.57	0.461
	43.5	42.5	63.5	55.5	68	3	6	1.5	1.5	20.5	0.55	1.10	0.60	0.462
2DE	43.5	42	63.5	58	68.5	5	6	1.5	1.5	18.5	0.35	1.70	0.93	0.539
2FB	45	45.5	71.5	67.5	75	3	4.5	2	1.5	17	0.31	1.90	1.05	0.535
	45	44	71.5	63.5	75.5	3	5.5	2	1.5	20.5	0.55	1.10	0.60	0.517
7FB	45	44.5	71.5	60.5	77	3	7.5	2	1.5	26	0.83	0.73	0.40	0.527
2FE	45	43.5	71.5	65	75	3	7.5	2	1.5	20.5	0.31	1.90	1.05	0.782
5FE	45	43.5	71.5	59	76	3	7.5	2	1.5	25	0.55	1.10	0.60	0.804
2BC	44.5	45.5	57.5	54	58.5	3	3	0.6	0.6	11.5	0.29	2.07	1.14	0.161
3CD	45.5	45.5	62.5	58	65	4	4.5	1	1	15	0.38	1.58	0.87	0.272
2BE	45.5	46	62.5	58.5	65	2.5	4	1	1	15	0.28	2.12	1.17	0.32
2CE	48.5	47	66.5	62.5	71.5	4	5.5	1.5	1.5	18	0.36	1.69	0.93	0.498
3DB	48.5	48.5	71.5	67.5	74.5	3	3.5	1.5	1.5	16.5	0.37	1.60	0.88	0.431
3DC	48.5	48.5	71.5	66.5	75	3	5.5	1.5	1.5	19	0.37	1.60	0.88	0.547
2DE	48.5	47	71.5	64.5	76.5	5	7	1.5	1.5	21	0.36	1.68	0.92	0.738
2EE	52	47.5	75	68	81	5	5	2	2	22.5	0.34	1.74	0.96	0.905
2FB	50	52.5	81.5	74.5	83.5	3	5	2	1.5	19.5	0.35	1.74	0.96	0.765
	50	50	81.5	72	85.5	3.5	6	2	1.5	23	0.55	1.10	0.60	0.726
7FB	50	51	81.5	68.5	86	3	8	2	1.5	29.5	0.83	0.73	0.40	0.727
2FD	50	49.5	81.5	71	83.5	3	8	2	1.5	23	0.35	1.74	0.96	1.08
5FD	50	49	81.5	65.5	84.5	3	8	2	1.5	27.5	0.55	1.10	0.60	1.1
2BC	49.5	51	63.5	59.5	64.5	3	3	0.6	0.6	12	0.32	1.88	1.04	0.187