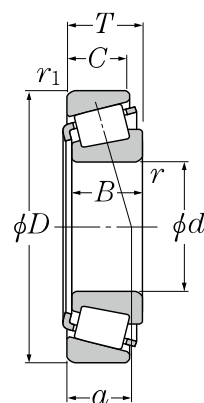


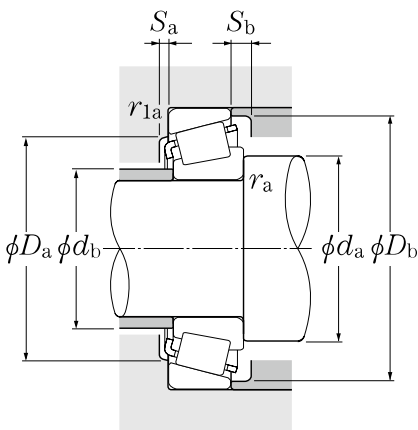
Metric series



d 75 ~ 90mm

Boundary dimensions							Basic load rating		Fatigue load limit kN C_u	Allowable speed min ⁻¹		Bearing number
mm							dynamic kN C_R	static C_{0r}		Grease lubrication	Oil lubrication	
d	D	T	B	C	$r_{s\min}^{1)}$	$r_{ls\min}^{1)}$						
75	115	25	25	19	1.5	1.5	118	167	20.3	3 000	4 000	32015XU
	115	31	31	25.5	1.5	1.5	123	186	22.7	3 000	4 000	33015U
	130	27.25	25	22	2	1.5	154	175	—	2 700	3 600	4T-30215
	130	33.25	31	27	2	1.5	186	224	27.1	2 700	3 600	32215U
	130	41	41	31	2	1.5	231	298	36.0	2 700	3 600	33215U
	160	40	37	31	3	2.5	283	305	35.0	2 400	3 200	30315U
	160	40	37	26	3	2.5	238	256	29.8	2 100	2 800	30315DU
	160	58	55	45	3	2.5	395	470	54.5	2 400	3 200	32315U
80	160	58	55	45	3	2.5	365	480	56.0	2 300	3 100	32315CU
	110	20	20	16	1	1	79.5	121	14.8	3 000	4 000	32916XU
	125	29	29	22	1.5	1.5	154	216	26.1	2 800	3 700	32016XU
	125	36	36	29.5	1.5	1.5	192	284	34.5	2 800	3 700	33016U
	130	37	37	29	2.5	0.6	199	276	33.0	2 700	3 600	33116U
	140	28.25	26	22	2.5	2	177	200	23.7	2 500	3 400	30216U
	140	35.25	33	28	2.5	2	221	265	31.5	2 500	3 400	32216U
	140	46	46	35	2.5	2	278	365	43.5	2 500	3 400	33216U
	160	45	41	31	3	2	238	297	—	2 400	3 200	4T-T7FC080
	170	42.5	39	33	3	2.5	325	350	39.5	2 300	3 000	30316U
	170	42.5	39	27	3	2.5	262	283	32.5	2 000	2 700	30316DU
	170	61.5	58	48	3	2.5	440	525	60.0	2 300	3 000	32316U
85	170	61.5	58	48	3	2.5	390	505	58.0	2 200	2 900	32316CU
	120	23	23	18	1.5	1.5	104	157	19.1	2 800	3 800	32917XU
	130	29	29	22	1.5	1.5	157	224	26.7	2 600	3 500	32017XU
	130	36	36	29.5	1.5	1.5	195	296	35.5	2 600	3 500	33017U
	140	41	41	32	2.5	2.5	234	330	39.0	2 500	3 400	33117U
	150	30.5	28	24	2.5	2	203	232	27.0	2 400	3 200	30217U
	150	38.5	36	30	2.5	2	249	300	35.0	2 400	3 200	32217U
	150	49	49	37	2.5	2	315	420	49.0	2 400	3 200	33217U
	180	44.5	41	34	4	3	335	365	40.5	2 100	2 900	30317U
	180	44.5	41	28	4	3	274	293	33.0	1 900	2 500	30317DU
90	180	63.5	60	49	4	3	445	525	59.0	2 100	2 900	32317U
	180	63.5	60	49	4	3	435	575	64.5	2 100	2 700	32317CU
	125	23	23	18	1.5	1.5	108	168	20.0	2 700	3 600	32918XU
	140	32	32	24	2	1.5	187	270	31.5	2 500	3 300	32018XU
	140	39	39	32.5	2	1.5	238	360	42.0	2 500	3 300	33018U
	150	45	45	35	2.5	2.5	280	400	46.0	2 400	3 200	33118U

1) Smallest allowable dimension for chamfer dimension r or r_1 .



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.

ISO Dimension series	Installation-related dimensions									Load center mm	Constant	Axial load factors		Mass kg (approx.)
	d_a	d_b	D_a		mm D_b	S_a	S_b	r_{as}	r_{1as}					
	Min.	Max.	Max.	Min.	Min.	Min.	Max.	Max.	a			e	Y_2	
4CC	83.5	83	106.5	99.5	111	5	6	1.5	1.5	25.5	0.46	1.31	0.72	0.912
2CE	83.5	85	106.5	101	110.5	6	5.5	1.5	1.5	23	0.30	2.01	1.11	1.11
4DB	85	85.5	121.5	112.5	124.5	4	5	2	1.5	27	0.44	1.38	0.76	1.4
4DC	85	84.5	121.5	111	126	4	6	2	1.5	30	0.44	1.38	0.76	1.74
3EE	85	83	121.5	107.5	125	7	10	2	1.5	32	0.43	1.40	0.77	2.23
2GB	89	95	148	137	150.5	4	9	2.5	2	32	0.35	1.74	0.96	3.61
7GB	89	91	148	124	152.5	6	14	2.5	2	50	0.83	0.73	0.40	3.46
2GD	89	91	148	131	150.5	4	13	2.5	2	39	0.35	1.74	0.96	5.4
5GD	89	90	148	119.5	152	6	15	2.5	2	47	0.55	1.10	0.60	5.65
2BC	85.5	86	104.5	99	106.5	4	4	1	1	20	0.35	1.71	0.94	0.54
3CC	88.5	89	116.5	108.5	120.5	6	7	1.5	1.5	27	0.42	1.42	0.78	1.28
2CE	88.5	88.5	116.5	108.5	119.5	6	6.5	1.5	1.5	25	0.28	2.16	1.19	1.61
3DE	90	88.5	121.5	110.5	126	6	15	2.5	2	30.5	0.42	1.44	0.79	1.87
3EB	92	91	130	121	133	4	6	2	2	27.5	0.42	1.43	0.79	1.71
3EC	92	90	130	119.5	134.5	4	7	2	2	31	0.42	1.43	0.79	2.17
3EE	92	89	130	116	135.5	7	11	2	2	35	0.43	1.41	0.78	2.94
7FC	94	94	146	119	153.5	6	15	2	2.5	55	0.87	0.69	0.38	3.92
2GB	94	101.5	158	145	160	4	9.5	2.5	2	34	0.35	1.74	0.96	4.41
7GB	94	97	158	131	160.5	6	15.5	2.5	2	53.5	0.83	0.73	0.40	4.17
2GD	94	97	158	138.5	161.5	4	13.5	2.5	2	41.5	0.35	1.74	0.96	6.48
5GD	94	96	158	127.5	162	4	13.5	2.5	2	50.5	0.55	1.10	0.60	6.61
2BC	93.5	92	111.5	107.5	115.5	4	5	1.5	1.5	21	0.33	1.83	1.01	0.773
4CC	93.5	93.5	121.5	113	126	6	7	1.5	1.5	28.5	0.44	1.36	0.75	1.34
2CE	93.5	94	121.5	114	125.5	6	6.5	1.5	1.5	26	0.29	2.06	1.13	1.69
3DE	97	95	130	118	135.5	7	9	2	2	33	0.41	1.48	0.81	2.44
3EB	97	96.5	140	128.5	141.5	5	6.5	2	2	30	0.42	1.43	0.79	2.13
3EC	97	96	140	127	143.5	5	8.5	2	2	33.5	0.42	1.43	0.79	2.75
3EE	97	95	140	124	144.5	7	12	2	2	37.5	0.42	1.43	0.79	3.61
2GB	103	106.5	166	153.5	168	5	10.5	3	2.5	35.5	0.35	1.74	0.96	5.01
7GB	103	102.5	166	140.5	170	6	16.5	3	2.5	56	0.83	0.73	0.40	4.74
2GD	103	103.5	166	147	169	5	14.5	3	2.5	43	0.35	1.74	0.96	7.22
5GD	103	102	166	135.5	170	7	13	2	2.5	53	0.55	1.10	0.60	7.71
2BC	98.5	97	116.5	112.5	120.5	4	5	1.5	1.5	22	0.34	1.75	0.96	0.815
3CC	100	100	131.5	121	134.5	6	8	2	1.5	30	0.42	1.42	0.78	1.78
2CE	100	100.5	131.5	123.5	135	7	6.5	2	1.5	28	0.27	2.23	1.23	2.22
3DE	102	101	140	127.5	145.5	7	10	2	2	35.5	0.40	1.51	0.83	3.1