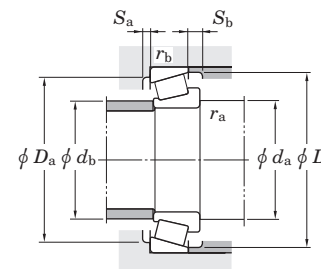
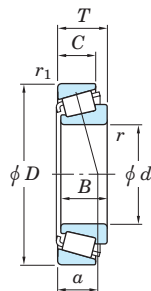


Single-row tapered roller bearings
metric series

d 15 ~ 22 mm

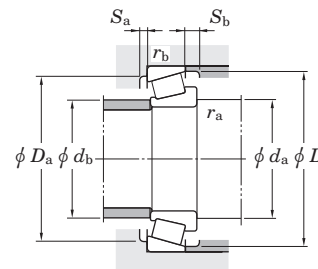
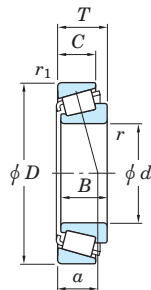


Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r _{min.}	r _{1 min.}	C _r	C _{0r}	Grease lub.	Oil lub.				d _{a min.}	d _{b max.}	D _{a max.}	D _{b min.}	S _{a min.}	S _{b min.}	r _{a max.}	r _{b max.}		Y ₁	Y ₀		
15	35	11.75	11	10	0.6	0.6	15.8	14.5	12 000	16 000	30202R 30302JR	—	8.3	19.5	20	30.5	29	33	2	1.7	0.6	0.6	0.32	1.88	1.04	0.054
	42	14.25	13	11	1	1	21.9	19.2	10 000	14 000		2FB	10.0	20.5	22	36.5	35	38	2	3	1	1	0.29	2.11	1.16	0.098
17	40	13.25	12	11	1	1	20.8	20.7	10 000	14 000	30203JR 32203JR	2DB	10.1	22.5	23	34.5	33	37	2	2	1	1	0.35	1.74	0.96	0.081
	40	17.25	16	14	1	1	27.4	27.5	10 000	14 000		2DD	11.4	22.5	23	34.5	33	37	2	3	1	1	0.31	1.92	1.06	0.104
	47	15.25	14	12	1	1	27.4	24.5	9 200	12 000	30303JR 30303R	2FB	11.0	22.5	25	41.5	40	42	2	3	1	1	0.29	2.11	1.16	0.133
	47	15.25	14	12	1	1	27.4	24.5	9 200	12 000		—	10.5	22.5	25	41.5	40	42	2	3	1	1	0.28	2.11	1.16	0.127
	47	20.25	19	16	1	1	31.9	29.9	9 400	13 000	32303 32303JR	—	12.4	22.5	25	41.5	39	43	2	4	1	1	0.28	2.11	1.16	0.170
	47	20.25	19	16	1	1	36.6	35.9	9 400	13 000		2FD	12.2	22.5	25	41.5	39	43	2	4	1	1	0.29	2.11	1.16	0.176
20	42	15	15	12	0.6	0.6	27.3	31.5	9 700	13 000	32004JR 57008R	3CC	10.5	24.5	25	37.5	35	39	3	3	0.6	0.6	0.37	1.60	0.88	0.102
	47	15.25	14	12	1	1	25.8	25.5	9 000	12 000		—	12.9	25.5	26	41.5	37	44	2	3	1	1	0.52	1.16	0.64	0.125
	47	15.25	14	12	1	1	27.0	27.2	8 700	12 000	30204JR 32204JR	2DB	11.8	25.5	27	41.5	39	44	2	3	1	1	0.35	1.74	0.96	0.127
	47	19.25	18	15	1	1	33.1	34.7	8 900	12 000		2DD	12.5	25.5	27	41.5	39	43	2	4	1	1	0.33	1.81	1.00	0.159
	47	19.25	18	16	1	1	33.3	37.0	9 100	12 000	32204XR 30304AC	—	15.3	25.5	25	41.5	35	45	2	3	1	1	0.55	1.10	0.60	0.170
	52	16.25	16	12	1.5	1.5	30.5	28.4	8 300	11 000		—	13.5	28.5	28	43.5	42	49	4	4	1.5	1.5	0.55	1.10	0.60	0.170
	52	16.25	16	13	1.5	1.5	36.2	35.1	8 300	11 000	30304AJR 32304CR	—	11.1	28.5	28	44	44	47	2	3	1.5	1.5	0.30	2.00	1.10	0.179
	52	22.25	21	18	1.5	1.5	41.8	44.9	8 600	12 000		—	16.5	28.5	25	43.5	37	48	3	4	1.5	1.5	0.55	1.10	0.60	0.250
	52	22.25	21	18	1.5	1.5	45.1	46.7	8 400	11 000	32304JR	2FD	14.4	28.5	27	43.5	43	47	3	4	1.5	1.5	0.30	2.00	1.10	0.244
	22	44	15	15	11.5	0.6	0.6	28.3	33.6	9 100	12 000	320/22JR T2CC022	3CC	11.0	26.5	27	39.5	38	41	3	3.5	0.6	0.6	0.40	1.51	0.83
47		17	17.5	13.5	1	1	32.7	35.9	8 700	12 000	2CC		11.3	27.5	28	41.5	40	44	4	3.5	1	1	0.33	1.79	0.99	0.138
50		15.25	14	12	1	1	29.2	28.6	8 400	11 000	302/22CR 302/22R	—	13.9	27.5	28	44.5	40	47	2	3	1	1	0.55	1.10	0.60	0.140
50		15.25	14	12	1	1	29.3	30.9	8 100	11 000		—	12.2	27.5	30	44.5	41	46	2	3	1	1	0.37	1.60	0.88	0.144
50		19.25	18	15	1	1	35.1	39.1	8 400	11 000	322/22CR 322/22R	—	15.5	27.5	28	44.5	38	47	2	4	1	1	0.55	1.10	0.60	0.170
50		19.25	18	15	1	1	36.8	41.6	8 100	11 000		—	14.0	27.5	29	44.5	41	46	2	4	1	1	0.37	1.60	0.88	0.178
56		17.25	16	13	1.5	1.5	36.3	36.6	7 700	10 000	303/22XR 303/22R	—	15.7	30.5	31	47.5	44	52	3	4	1.5	1.5	0.59	1.02	0.56	0.210
56		17.25	16	14	1.5	1.5	41.7	41.1	7 500	10 000		—	12.2	30.5	32	47.5	47	51	2	3	1.5	1.5	0.31	1.97	1.08	0.216
56		22.25	21	17	1.5	1.5	48.3	50.6	8 000	11 000	323/22CR 323/22R	—	16.9	30.5	28	47.5	41	52	3	5	1.5	1.5	0.55	1.10	0.60	0.290
56		22.25	21	18	1.5	1.5	50.6	52.7	7 600	10 000		—	14.6	30.5	31	47.5	46	51	3	4	1.5	1.5	0.31	1.97	1.08	0.273

[Note] 1) Please consult with JTEKT when using the bearings identified by suffix C. They are medium-tapered types especially designed for special purposes.

Single-row tapered roller bearings
metric series

d 25 ~ (30) mm

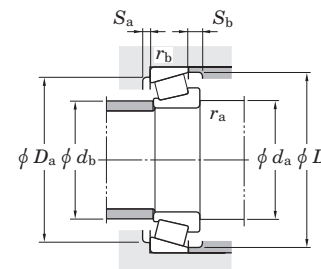
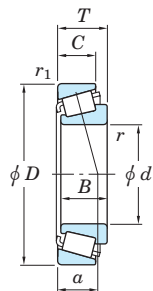


Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀		
25	47	15	15	11.5	0.6	0.6	30.2	37.7	8 300	11 000	32005JR	4CC	11.8	29.5	30	42.5	40	44	3	3.5	0.6	0.6	0.43	1.39	0.77	0.118
	47	17	17	14	0.6	0.6	33.5	42.3	8 300	11 000	33005JR	2CE	10.9	29.5	30	42.5	41	44	3	3	0.6	0.6	0.29	2.07	1.14	0.131
	52	16.25	15	12	1	1	30.4	32.4	7 900	11 000	30205XR	—	14.9	30.5	30	46.5	41	49	2	4	1	1	0.58	1.04	0.57	0.155
	52	16.25	15	13	1	1	31.5	33.7	7 800	10 000	30205JR	3CC	12.9	30.5	31	46.5	44	48	2	3	1	1	0.37	1.60	0.88	0.156
	52	19.25	18	16	1	1	36.4	43.2	7 900	11 000	32205XR	—	16.2	30.5	30	46.5	40	50	2	3	1	1	0.55	1.10	0.60	0.200
	52	19.25	18	16	1	1	39.8	44.8	7 900	11 000	32205JR	2CD	13.5	30.5	31	46.5	43	48	2	4	1	1	0.36	1.67	0.92	0.188
	52	22	22	18	1	1	48.9	58.5	7 900	10 000	33205JR	2DE	14.1	30.5	30	46.5	43	49	4	4	1	1	0.35	1.71	0.94	0.225
	62	18.25	17	13	1.5	1.5	39.8	42.5	5 700	8 000	30305DJR	7FB	20.4	33.5	34	53.5	47	58.5	3	5	1.5	1.5	0.83	0.73	0.40	0.269
	62	18.25	17	14	1.5	1.5	45.0	45.8	6 700	9 000	TR0506R	—	16.3	33.5	35	53.5	50	58	3	4	1.5	1.5	0.55	1.10	0.60	0.275
	62	18.25	17	15	1.5	1.5	48.2	46.9	6 800	9 000	30305JR	2FB	12.9	33.5	34	54	54	57	2	3	1.5	1.5	0.30	2.00	1.10	0.273
	62	25.25	24	19	1.5	1.5	57.2	65.8	7 000	9 300	32305XR	—	18.9	33.5	33	53.5	46	58	3	6	1.5	1.5	0.55	1.10	0.60	0.390
	62	25.25	24	20	1.5	1.5	61.2	64.1	6 900	9 100	32305JR	2FD	16.6	33.5	33	53.5	52	57	3	5	1.5	1.5	0.30	2.00	1.10	0.386
	28	52	16	16	12	1	1	35.2	44.0	7 500	10 000	320/28JR	4CC	12.7	33.5	33	46.5	45	49	3	4	1	1	0.43	1.39	0.77
58		17.25	16	13	1	1	38.8	41.7	7 000	9 300	302/28CR	—	16.0	33.5	34	52.5	47	55	2	4	1	1	0.55	1.10	0.60	0.205
58		17.25	16	14	1	1	38.8	42.0	7 000	9 300	302/28R	—	13.4	33.5	35	52.5	49	54	2	3	1	1	0.37	1.60	0.88	0.209
58		20.25	19	16	1	1	44.9	54.1	7 100	9 400	322/28CR	—	17.0	33.5	33	52.5	45	55	3	4	1	1	0.55	1.10	0.60	0.255
58		20.25	19	16	1	1	49.2	55.2	6 900	9 100	322/28R	—	15.0	33.5	35	52.5	49	54.5	2	4	1	1	0.37	1.60	0.88	0.244
58		24	24	19	1	1	57.6	69.5	7 000	9 300	332/28JR	2DE	15.4	33.5	34	52.5	49	55	4	5	1	1	0.34	1.77	0.97	0.302
68		19.75	18	14	1.5	1.5	51.7	50.2	6 200	8 200	303/28CR	—	17.8	36.5	37	59.5	55	64	3	4.5	1.5	1.5	0.55	1.10	0.60	0.332
68		19.75	18	16	1.5	1.5	53.5	54.0	6 100	8 200	303/28R	—	14.9	36.5	38	59.5	58	63	2	3.5	1.5	1.5	0.32	1.88	1.04	0.345
68		25.75	24	20	1.5	1.5	66.5	72.9	6 300	8 500	323/28CR	—	20.5	36.5	35	59.5	51	64	3	5.5	1.5	1.5	0.55	1.10	0.60	0.480
68	25.75	24	21	1.5	1.5	69.6	75.6	6 100	8 100	323/28R	—	17.6	36.5	38	59.5	57	63	3	4.5	1.5	1.5	0.32	1.88	1.04	0.469	
30	55	17	17	13	1	1	38.2	48.0	7 000	9 400	32006JR	4CC	13.6	35.5	35	49.5	47	52	3	4	1	1	0.43	1.39	0.77	0.177
	55	20	20	16	1	1	43.2	55.2	7 000	9 400	33006JR	2CE	13.0	35.5	36	49.5	48	52	3	4	1	1	0.29	2.06	1.13	0.203
	62	17.25	16	13	1	1	42.3	45.1	6 500	8 700	30206CR	—	16.5	35.5	36	56.5	51	59	2	4	1	1	0.55	1.10	0.60	0.230
	62	17.25	16	14	1	1	41.5	44.8	6 500	8 700	30206JR	3DB	14.1	35.5	37	56.5	53	57	2	3	1	1	0.37	1.60	0.88	0.236
	62	21.25	20	16	1	1	51.7	59.0	6 600	8 900	32206XR	—	18.0	35.5	36	56.5	49	59	3	5	1	1	0.55	1.10	0.60	0.300

[Note] 1) Please consult with JTEKT when using the bearings identified by suffix C. They are medium-tapered types especially designed for special purposes.

Single-row tapered roller bearings
metric series

d (30) ~ (35) mm

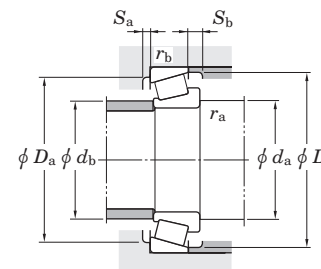
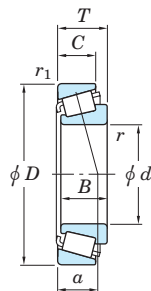


Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀		
30	62	21.25	20	17	1	1	50.7	57.9	6 500	8 700	32206JR	3DC	15.9	35.5	37	56.5	52	58	2	4	1	1	0.37	1.60	0.88	0.292
	62	25	25	19.5	1	1	66.4	79.4	6 500	8 700	33206JR	2DE	16.3	35.5	36	56.5	53	59	5	5.5	1	1	0.34	1.76	0.97	0.359
	72	20.75	19	14	1.5	1.5	50.9	54.9	4 900	6 800	30306DJR	7FB	23.7	38.5	40	63.5	55	68	3	6.5	1.5	1.5	0.83	0.73	0.40	0.400
	72	20.75	19	16	1.5	1.5	56.9	55.6	5 900	7 900	TRA0607R	—	18.6	38.5	39	63.5	58	68	3	4.5	1.5	1.5	0.55	1.10	0.60	0.405
	72	20.75	19	16	1.5	1.5	59.6	60.1	5 800	7 700	30306JR	2FB	15.7	38.5	40	63.5	62	66	3	4.5	1.5	1.5	0.31	1.90	1.05	0.411
	72	28.75	27	23	1.5	1.5	80.0	93.8	6 000	8 000	32306CR	5FD	22.0	38.5	37	63.5	54	68	3	5.5	1.5	1.5	0.55	1.10	0.60	0.610
	72	28.75	27	23	1.5	1.5	82.2	91.6	5 900	7 900	32306JR	2FD	18.9	38.5	39	63.5	59	66	3	5.5	1.5	1.5	0.31	1.90	1.05	0.588
	32	58	17	17	13	1	1	39.2	50.6	6 700	8 900	320/32JR	4CC	14.3	37.5	38	52.5	50	55	3	4	1	1	0.45	1.32	0.73
65		18.25	17	14	1	1	47.5	51.5	6 200	8 300	302/32CR	—	17.2	37.5	38	59.5	53	62	3	4	1	1	0.55	1.10	0.60	0.275
65		18.25	17	15	1	1	48.0	51.4	6 200	8 200	302/32R	—	14.9	37.5	39	59.5	55	61	3	3	1	1	0.37	1.60	0.88	0.266
65		22.25	21	17	1	1	55.8	65.1	6 300	8 400	322/32CR	—	18.7	37.5	37	59.5	51	62	3	5	1	1	0.55	1.10	0.60	0.340
65		22.25	21	18	1	1	51.6	57.7	6 200	8 200	322/32	—	16.3	37.5	40	59.5	55	61	2	4	1	1	0.37	1.60	0.88	0.330
65		26	26	20.5	1	1	71.8	86.9	6 200	8 300	332/32JR	2DE	16.9	37.5	38	59.5	55	62	5	5.5	1	1	0.35	1.73	0.95	0.404
75		21.75	20	16	1.5	1.5	63.4	66.3	5 600	7 400	303/32CR	—	19.7	40.5	42	66.5	60	70	3	5.5	1.5	1.5	0.55	1.10	0.60	0.465
75		21.75	20	18	1.5	1.5	64.4	65.6	5 500	7 300	303/32R	—	16.0	40.5	43	66.5	64	70	3	3.5	1.5	1.5	0.32	1.88	1.04	0.461
75		29.75	28	23	1.5	1.5	75.1	87.1	5 600	7 400	TR0608A	5FD	23.7	40.5	41	66.5	57	71	3	6.5	1.5	1.5	0.55	1.10	0.60	0.649
75		29.75	28	25	1.5	1.5	89.6	101	5 600	7 400	323/32R	—	19.6	40.5	42	66.5	63	69	3	4.5	1.5	1.5	0.32	1.88	1.04	0.650
35	55	14	14	11.5	0.6	0.6	26.1	36.5	6 600	8 800	32907JR-2	2BD	10.9	39.5	40	50.5	49	52	2.5	2.5	0.6	0.6	0.29	2.06	1.13	0.120
	62	18	18	14	1	1	45.5	59.4	6 200	8 200	32007JR	4CC	15.1	40.5	40	56.5	54	59	4	4	1	1	0.45	1.32	0.73	0.231
	62	21	20	16	1	1	40.8	53.8	6 200	8 200	33007	—	14.8	40.5	41	56.5	55	59	3	4	1	1	0.33	1.80	0.99	0.250
	62	21	21	17	1	1	51.3	68.0	6 200	8 200	33007JR	2CE	14.2	40.5	41	56.5	55	59	3	4	1	1	0.31	1.97	1.08	0.263
	72	18.25	17	15	1.5	1.5	52.9	56.2	5 700	7 600	30207CR	—	17.9	43.5	43	63.5	59	68	3	3	1.5	1.5	0.55	1.10	0.60	0.350
	72	18.25	17	15	1.5	1.5	55.1	60.9	5 600	7 400	30207JR	3DB	15.3	43.5	44	63.5	62	67	3	3	1.5	1.5	0.37	1.60	0.88	0.344
	72	24.25	23	19	1.5	1.5	69.0	86.6	5 700	7 600	32207-1R	—	21.1	43.5	42	63.5	56	68	3	5	1.5	1.5	0.58	1.04	0.57	0.465
	72	24.25	23	19	1.5	1.5	69.6	82.4	5 600	7 500	32207JR	3DC	18.2	43.5	43	63.5	61	67	3	5	1.5	1.5	0.37	1.60	0.88	0.453
	72	28	28	22	1.5	1.5	87.6	107	5 700	7 500	33207JR	2DE	18.4	43.5	42	63.5	61	68	5	6	1.5	1.5	0.35	1.70	0.93	0.551
	80	22.75	21	15	2	1.5	63.1	69.1	4 300	6 000	30307DJR	7FB	26.8	45	44	70	66	76.5	3	7.5	2	1.5	0.83	0.73	0.40	0.536

[Note] 1) Please consult with JTEKT when using the bearings identified by suffix C. They are medium-tapered types especially designed for special purposes.

Single-row tapered roller bearings
metric series

d (35) ~ (45) mm

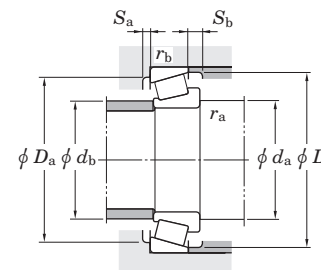
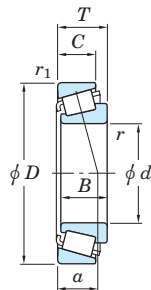


Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀		
35	80	22.75	21	18	2	1.5	69.8	77.8	5 200	7 000	30307XR	—	20.5	45	45	70	63	74	3	4.5	2	1.5	0.55	1.10	0.60	0.560
	80	22.75	21	18	2	1.5	76.2	78.9	5 200	6 900	30307JR-1	2FB	16.9	45	45	70	70	74	3	4.5	2	1.5	0.31	1.90	1.05	0.527
	80	32.75	31	25	2	1.5	96.9	123	5 200	7 000	TR0708-1R	—	23.8	45	44	70	60	75	3	7.5	2	1.5	0.47	1.27	0.70	0.830
	80	32.75	31	25	2	1.5	101	114	5 300	7 000	32307JR	2FE	20.6	45	44	70	66	74	3	7.5	2	1.5	0.31	1.90	1.05	0.776
40	62	15	15	12	0.6	0.6	33.5	48.5	5 900	7 800	32908JR	2BC	11.9	44.5	45	57.5	55	59	3	3	0.6	0.6	0.29	2.07	1.14	0.164
	68	19	19	14.5	1	1	53.5	71.4	5 600	7 400	32008JR	3CD	15.1	45.5	46	62.5	60	65	4	4.5	1	1	0.38	1.58	0.87	0.282
	68	22	22	18	1	1	60.4	84.6	5 500	7 400	33008JR	2BE	14.7	45.5	46	62.5	60	65	3	4	1	1	0.28	2.12	1.17	0.326
	75	26	26	20.5	1.5	1.5	82.2	108	5 200	6 900	33108JR	2CE	18.3	48.5	47	66.5	65	71	4	5.5	1.5	1.5	0.36	1.69	0.93	0.508
	80	19.75	18	15	1.5	1.5	61.4	67.4	5 000	6 700	30208CR	—	20.2	48.5	49	71.5	66	76	3	4.5	1.5	1.5	0.55	1.10	0.60	0.445
	80	19.75	18	16	1.5	1.5	62.9	69.2	5 000	6 700	30208JR	3DB	17.0	48.5	49	71.5	69	75	3	3.5	1.5	1.5	0.37	1.60	0.88	0.434
	80	24.75	23	19	1.5	1.5	78.5	93.1	5 000	6 700	32208CR	5DC	22.0	48.5	48	71.5	64	76	3	5.5	1.5	1.5	0.55	1.10	0.60	0.570
	80	24.75	23	19	1.5	1.5	77.7	90.8	5 000	6 600	32208JR	3DC	19.4	48.5	48	71.5	68	75	3	5.5	1.5	1.5	0.37	1.60	0.88	0.554
	80	32	32	25	1.5	1.5	108	139	5 000	6 700	33208JR	2DE	20.7	48.5	47	71.5	67	76	5	7	1.5	1.5	0.36	1.68	0.92	0.758
	85	33	32.5	28	2.5	2	114	143	4 800	6 400	T2EE040	2EE	21.9	52	48	75	70	80	5	5	2	2	0.34	1.74	0.96	0.900
	90	25.25	23	17	2	1.5	80.5	90.2	3 800	5 300	30308DJR	7FB	29.9	50	51	80	71	86.5	3	8	2	1.5	0.83	0.73	0.40	0.757
	90	25.25	23	20	2	1.5	87.3	98.5	4 600	6 100	30308XR	—	23.8	50	53	80	72	84	3	5	2	1.5	0.55	1.10	0.60	0.780
	90	25.25	23	20	2	1.5	90.6	101	4 500	6 100	30308JR	2FB	19.9	50	52	80	77	82	3	5	2	1.5	0.35	1.74	0.96	0.757
	90	35.25	33	26	2	1.5	112	138	4 700	6 200	TR0809AR	—	27.5	50	49	80	67	85	3	9	2	1.5	0.55	1.10	0.60	1.10
90	35.25	33	27	2	1.5	116	139	4 600	6 200	32308JR	2FD	24.3	50	50	80	73	82	3	8	2	1.5	0.35	1.74	0.96	1.06	
45	68	15	15	12	0.6	0.6	34.7	52.4	5 300	7 100	32909JR	2BC	12.5	49.5	50	63.5	61	64	3	3	0.6	0.6	0.32	1.88	1.04	0.190
	75	20	20	15.5	1	1	62.8	86.5	5 000	6 600	32009JR	3CC	16.5	50.5	51	69.5	67	72	4	4.5	1	1	0.39	1.53	0.84	0.354
	75	24	24	19	1	1	69.6	101	5 000	6 700	33009JR	2CE	16.4	50.5	51	69.5	67	71	4	5	1	1	0.29	2.04	1.12	0.416
	80	26	26	20.5	1.5	1.5	87.5	120	4 800	6 400	33109JR	3CE	19.4	53.5	52	71.5	69	76.5	4	5.5	1.5	1.5	0.38	1.57	0.86	0.563
	85	20.75	19	15	1.5	1.5	69.4	81.5	4 600	6 100	30209XR	—	21.1	53.5	54	76.5	71	80	4	5.5	1.5	1.5	0.55	1.10	0.60	0.500
	85	20.75	19	16	1.5	1.5	67.2	77.4	4 600	6 100	30209JR	3DB	18.9	53.5	54	76.5	74	80	3	4.5	1.5	1.5	0.40	1.48	0.81	0.502
	85	24.75	23	19	1.5	1.5	80.7	102	4 600	6 200	32209CR	—	23.0	53.5	53	76.5	69	81	3	5.5	1.5	1.5	0.55	1.10	0.60	0.625
	85	24.75	23	19	1.5	1.5	84.2	104	4 600	6 100	32209JR-1	3DC	20.3	53.5	53	76.5	73	81	3	5.5	1.5	1.5	0.40	1.48	0.81	0.597

[Note] 1) Please consult with JTEKT when using the bearings identified by suffix C. They are medium-tapered types especially designed for special purposes.

Single-row tapered roller bearings
metric series

d (45) ~ (55) mm

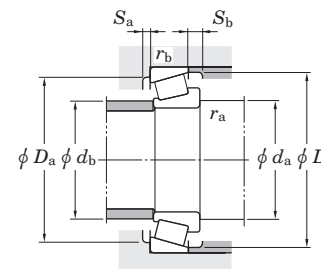
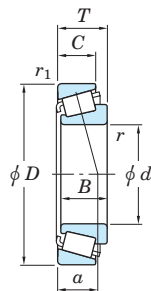


Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀		
45	85	32	32	25	1.5	1.5	112	149	4 600	6 200	33209JR	3DE	21.8	53.5	52	76.5	72	81	5	7	1.5	1.5	0.39	1.56	0.86	0.818
	95	29	26.5	20	2.5	2.5	94.1	118	3 600	5 100	T7FC045	7FC	32.6	57	54	83	71	91	3	9	2	2	0.87	0.69	0.38	0.943
	95	36	35	30	2.5	2.5	140	177	4 300	5 700	T2ED045	2ED	23.8	57	55	83	80	89	6	6	2	2	0.32	1.86	1.02	1.20
	100	27.25	25	18	2	1.5	95.1	107	3 400	4 700	30309DJR	7FB	32.9	55	56	90	79	96	3	9	2	1.5	0.83	0.73	0.40	0.973
	100	27.25	25	20	2	1.5	109	119	4 100	5 500	30309CR	—	25.7	55	57	90	81	94	4	7	2	1.5	0.55	1.10	0.60	1.00
	100	27.25	25	22	2	1.5	113	128	4 100	5 400	30309JR	2FB	21.3	55	59	90	86	93	3	5	2	1.5	0.35	1.74	0.96	1.01
	100	38.25	36	29	2	1.5	145	182	4 200	5 600	32309CR	—	30.3	55	56	90	76	95	4	9	2	1.5	0.55	1.10	0.60	1.45
100	38.25	36	30	2	1.5	146	180	4 100	5 500	32309JR	2FD	26.8	55	56	90	82	93	3	8	2	1.5	0.35	1.74	0.96	1.43	
50	72	15	15	12	0.6	0.6	35.9	56.3	4 900	6 600	32910JR	2BC	13.7	54.5	55	67.5	65	69	3	3	0.6	0.6	0.34	1.76	0.97	0.195
	80	20	20	15.5	1	1	65.7	94.5	4 600	6 100	32010JR	3CC	17.7	55.5	56	74.5	72	77	4	4.5	1	1	0.42	1.42	0.78	0.389
	80	24	24	19	1	1	73.0	110	4 600	6 100	33010JR	2CE	17.4	55.5	56	74.5	72	76	4	5	1	1	0.32	1.90	1.04	0.451
	85	26	26	20	1.5	1.5	89.4	127	4 400	5 900	33110JR	3CE	20.6	58.5	56	76.5	74	81.5	4	6	1.5	1.5	0.41	1.46	0.80	0.594
	90	21.75	20	16	1.5	1.5	77.2	95.8	4 300	5 700	30210CR	—	22.7	58.5	58	81.5	76	86	4	5.5	1.5	1.5	0.55	1.10	0.60	0.590
	90	21.75	20	17	1.5	1.5	76.5	91.7	4 300	5 700	30210JR	3DB	20.1	58.5	58	81.5	79	85	3	4.5	1.5	1.5	0.42	1.43	0.79	0.566
	90	24.75	23	19	1.5	1.5	84.5	113	4 300	5 700	32210CR	—	24.0	58.5	58	81.5	74	86	3	5.5	1.5	1.5	0.55	1.10	0.60	0.675
	90	24.75	23	19	1.5	1.5	85.0	105	4 300	5 700	32210JR	3DC	20.6	58.5	58	81.5	78	85	3	5.5	1.5	1.5	0.42	1.43	0.79	0.643
	90	32	32	24.5	1.5	1.5	119	167	4 300	5 700	33210JR	3DE	23.1	58.5	57	81.5	77	86.5	5	7.5	1.5	1.5	0.41	1.45	0.80	0.887
	100	36	35	30	2.5	2.5	157	196	4 100	5 400	T2ED050	2ED	24.5	62	58	88	84	94	6	6	2	2	0.34	1.75	0.96	1.28
	105	32	29	22	3	3	113	140	3 300	4 600	T7FC050	7FC	35.9	64	59	91	78	100	4	10	2.5	2.5	0.87	0.69	0.38	1.25
	110	29.25	27	19	2.5	2	115	133	3 100	4 300	30310DJR	7FB	35.0	62	62	98	87	105	3	10	2	2	0.83	0.73	0.40	1.25
	110	29.25	27	20	2.5	2	124	143	3 700	4 900	30310CR	—	27.5	62	64	98	90	103	4	9	2	2	0.55	1.10	0.60	1.25
	110	29.25	27	23	2.5	2	137	152	3 700	4 900	30310JR	2FB	22.9	62	65	98	95	102	3	6	2	2	0.35	1.74	0.96	1.32
	110	42.25	40	33	2.5	2	171	234	3 800	5 100	32310CR	5FD	33.4	62	61	98	81	103	4	9	2	2	0.55	1.10	0.60	2.00
	110	42.25	40	33	2.5	2	176	220	3 700	5 000	32310JR	2FD	29.4	62	62	98	90	102	3	9	2	2	0.35	1.74	0.96	1.89
	55	80	17	17	14	1	1	44.6	73.3	4 400	5 900	32911JR	2BC	14.5	61	61	74	72	76	3	3	1	1	0.31	1.94	1.07
90		23	23	17.5	1.5	1.5	84.6	121	4 100	5 500	32011JR	3CC	19.8	63.5	63	81.5	81	86	4	5.5	1.5	1.5	0.41	1.48	0.81	0.569
90		27	27	21	1.5	1.5	96.5	149	4 100	5 400	33011JR	2CE	19.3	63.5	63	81.5	81	86	5	6	1.5	1.5	0.31	1.92	1.06	0.672

[Note] 1) Please consult with JTEKT when using the bearings identified by suffix C. They are medium-tapered types especially designed for special purposes.

Single-row tapered roller bearings
metric series

d (55) ~ (60) mm

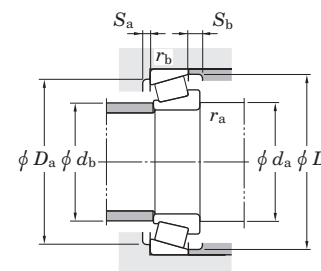
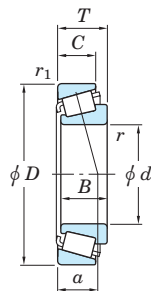


Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀		
55	95	30	30	23	1.5	1.5	116	161	4 000	5 300	33111JR	3CE	22.5	63.5	62	86.5	83	91	5	7	1.5	1.5	0.37	1.60	0.88	0.868
	100	22.75	21	17	2	1.5	89.6	108	3 900	5 200	30211CR	—	24.3	65	63	90	84	95	4	5.5	2	1.5	0.55	1.10	0.60	0.750
	100	22.75	21	18	2	1.5	94.6	113	3 900	5 200	30211JR	3DB	20.7	65	64	90	88	94	4	4.5	2	1.5	0.40	1.48	0.81	0.732
	100	26.75	25	21	2	1.5	107	135	3 900	5 200	32211CR	—	25.9	65	64	90	83	96	4	5.5	2	1.5	0.55	1.10	0.60	0.875
	100	26.75	25	21	2	1.5	107	133	3 900	5 200	32211JR-1	3DC	23.0	65	63	90	87	95	4	5.5	2	1.5	0.40	1.48	0.81	0.863
	100	35	35	27	2	1.5	142	189	3 900	5 200	33211JR	3DE	25.3	65	62	90	85	96	6	8	2	1.5	0.40	1.50	0.83	1.18
	115	34	31	23.5	3	3	129	164	3 000	4 200	T7FC055	7FC	38.6	69	65	101	86	109	4	10.5	2.5	2.5	0.87	0.69	0.38	1.59
	120	31.5	29	21	2.5	2	129	148	2 900	4 000	30311DJR	7FB	38.4	67	68	108	94	113	4	10.5	2	2	0.83	0.73	0.40	1.59
	120	31.5	29	22	2.5	2	144	161	3 400	4 500	30311CR	—	29.8	67	70	108	97	112	4.5	9.5	2	2	0.55	1.10	0.60	1.58
	120	31.5	29	25	2.5	2	149	170	3 300	4 500	30311JR	2FB	25.5	67	71	108	104	111	4	6.5	2	2	0.35	1.74	0.96	1.65
	120	45.5	43	35	2.5	2	184	247	3 400	4 600	32311C	5FD	35.9	67	67	108	90	113	4	10	2	2	0.55	1.10	0.60	2.45
	120	45.5	43	35	2.5	2	171	203	3 400	4 500	32311J	2FD	32.4	67	68	108	99	111	4	10.5	2	2	0.35	1.74	0.96	2.24
	120	45.5	43	35	2.5	2	200	250	3 400	4 500	32311JR	2FD	32.4	67	68	108	99	111	4	10.5	2	2	0.35	1.74	0.96	2.38
	60	85	17	17	14	1	1	46.2	78.2	4 100	5 500	32912JR	2BC	15.6	65.5	66	79.5	77	81	3	3	1	1	0.33	1.81	1.00
95		23	23	17.5	1.5	1.5	86.1	127	3 900	5 200	32012JR	4CC	21.0	68.5	67	86.5	85	91	4	5.5	1.5	1.5	0.43	1.39	0.77	0.621
95		27	27	21	1.5	1.5	101	162	3 900	5 200	33012JR	2CE	20.1	68.5	67	86.5	85	90	5	6	1.5	1.5	0.33	1.83	1.01	0.719
100		30	30	23	1.5	1.5	118	170	3 700	5 000	33112JR	3CE	23.7	68.5	67	91.5	88	96	5	7	1.5	1.5	0.40	1.51	0.83	0.923
110		23.75	22	17	2	1.5	102	123	3 500	4 700	30212CR	—	26.2	70	70	100	93	104	4	6.5	2	1.5	0.55	1.10	0.60	0.930
110		23.75	22	19	2	1.5	106	127	3 500	4 700	30212JR	3EB	21.9	70	70	100	96	103	4	4.5	2	1.5	0.40	1.48	0.81	0.945
110		29.75	28	22	2	1.5	128	164	3 600	4 700	32212CR	—	28.6	70	68	100	91	105	4	7.5	2	1.5	0.55	1.10	0.60	1.20
110		29.75	28	24	2	1.5	132	167	3 500	4 700	32212JR	3EC	25.1	70	69	100	95	104	4	5.5	2	1.5	0.40	1.48	0.81	1.19
110		38	38	29	2	1.5	174	239	3 600	4 700	33212JR	3EE	27.2	70	69	100	93	105	6	9	2	1.5	0.40	1.48	0.82	1.57
115		39	38	31	4	2.5	158	227	3 400	4 600	T5ED060	5ED	32.4	78	70	103	92	110	5	8	3	2	0.53	1.13	0.62	1.81
115		40	39	33	2.5	2.5	183	242	3 400	4 600	T2EE060	2EE	27.6	72	70	103	98	109	6	7	2	2	0.33	1.80	0.99	1.80
125		37	33.5	26	3	3	153	194	2 800	3 900	T7FC060	7FC	40.8	74	71	111	94	119	4	11	2.5	2.5	0.82	0.73	0.40	2.03
130		33.5	31	22	3	2.5	153	179	2 600	3 700	30312DJR	7FB	40.8	74	73	118	103	124	4	11.5	2.5	2	0.83	0.73	0.40	2.01
130		33.5	31	23	3	2.5	169	196	3 100	4 200	30312CR	—	31.9	74	75	118	105	121	5	10.5	2.5	2	0.55	1.10	0.60	1.99

[Note] 1) Please consult with JTEKT when using the bearings identified by suffix C. They are medium-tapered types especially designed for special purposes.

Single-row tapered roller bearings
metric series

d (60) ~ (70) mm

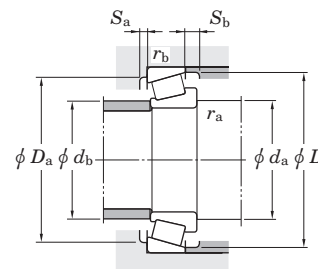
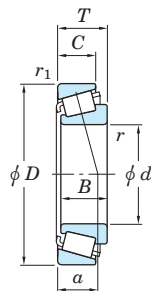


Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	Cr	C0r	Grease lub.	Oil lub.				da min.	db max.	Da max.	Db min.	Sa min.	Sb min.	ra max.	rb max.		Y1	Y0		
60	130	33.5	31	26	3	2.5	173	201	3 100	4 100	30312JR	2FB	26.9	74	77	118	112	120	4	7.5	2.5	2	0.35	1.74	0.96	2.08
	130	48.5	46	37	3	2.5	229	310	3 200	4 300	32312CR	5FD	38.3	74	73	118	98	122	5	11	2.5	2	0.55	1.10	0.60	3.15
	130	48.5	46	37	3	2.5	221	275	3 100	4 200	32312J	2FD	32.3	74	74	118	107	120	4	11.5	2.5	2	0.35	1.74	0.96	2.87
	130	48.5	46	37	3	2.5	244	315	3 100	4 200	32312JR	2FD	32.3	74	74	118	107	120	4	11.5	2.5	2	0.35	1.74	0.96	2.99
65	90	17	17	14	1	1	47.4	83.1	3 900	5 200	32913JR	2BC	16.8	70.5	70	84.5	81	86	3	3	1	1	0.35	1.70	0.93	0.327
	100	23	23	17.5	1.5	1.5	90.0	137	3 600	4 800	32013JR	4CC	22.5	73.5	72	91.5	90	97	4	5.5	1.5	1.5	0.46	1.31	0.72	0.664
	100	27	27	21	1.5	1.5	103	169	3 600	4 800	33013JR	2CE	21.1	73.5	72	91.5	89	96	5	6	1.5	1.5	0.35	1.72	0.95	0.762
	110	34	34	26.5	1.5	1.5	152	223	3 400	4 600	33113JR	3DE	25.9	73.5	73	101.5	96	106	6	7.5	1.5	1.5	0.39	1.55	0.85	1.33
	120	24.75	23	18	2	1.5	116	139	3 200	4 300	30213CR	—	28.1	75	77	110	102	114	4	6.5	2	1.5	0.55	1.10	0.60	1.15
	120	24.75	23	20	2	1.5	128	156	3 200	4 300	30213JR	3EB	24.2	75	77	110	106	113	4	4.5	2	1.5	0.40	1.48	0.81	1.18
	120	32.75	31	24	2	1.5	151	198	3 200	4 300	32213CR	—	31.3	75	75	110	99	114	4	8.5	2	1.5	0.55	1.10	0.60	1.55
	120	32.75	31	27	2	1.5	157	203	3 200	4 300	32213JR	3EC	26.6	75	76	110	104	115	4	5.5	2	1.5	0.40	1.48	0.81	1.58
	120	39	38	31	4	2.5	151	232	3 200	4 300	T5ED065	5ED	34.1	83	75	108	96	115	5	8	3	2	0.56	1.07	0.59	1.93
	120	41	41	32	2	1.5	200	277	3 200	4 300	33213JR	3EE	30.0	75	74	110	102	115	7	9	2	1.5	0.39	1.54	0.85	2.02
	130	37	33.5	26	3	3	148	211	2 600	3 600	T7FC065	7FC	44.4	79	78	116	98	124	4	11	2.5	2.5	0.87	0.69	0.38	2.17
	140	36	33	23	3	2.5	176	209	2 400	3 400	30313DJR	7GB	44.3	79	79	128	111	133	4	13	2.5	2	0.83	0.73	0.40	2.44
	140	36	33	25	3	2.5	193	227	2 900	3 900	30313CR	—	34.3	79	81	128	113	130	5	11	2.5	2	0.55	1.10	0.60	2.44
	140	36	33	28	3	2.5	204	239	2 800	3 800	30313JR	2GB	29.3	79	83	128	122	130	4	8	2.5	2	0.35	1.74	0.96	2.56
	140	51	48	39	3	2.5	258	361	2 900	3 900	32313CR	5GD	40.9	79	79	128	106	131	5	12	2.5	2	0.55	1.10	0.60	3.85
	140	51	48	39	3	2.5	250	312	2 900	3 900	32313J	2GD	34.7	79	80	128	117	130	4	12	2.5	2	0.35	1.74	0.96	3.49
140	51	48	39	3	2.5	276	357	2 900	3 900	32313JR	2GD	34.7	79	80	128	117	130	4	12	2.5	2	0.35	1.74	0.96	3.64	
70	100	20	20	16	1	1	71.0	115	3 500	4 700	32914JR	2BC	17.8	75.5	77	94.5	91	96	4	4	1	1	0.32	1.90	1.05	0.496
	110	25	25	19	1.5	1.5	108	163	3 300	4 400	32014JR	4CC	23.6	78.5	78	101.5	98	105	5	6	1.5	1.5	0.43	1.38	0.76	0.884
	110	31	31	25.5	1.5	1.5	134	208	3 300	4 400	33014JR	2CE	22.1	78.5	78	101.5	99	105	5	5.5	1.5	1.5	0.28	2.11	1.16	1.09
	120	37	37	29	2	1.5	181	266	3 100	4 200	33114JR	3DE	28.0	80	79	110	104	115	6	8	2	1.5	0.38	1.58	0.87	1.71
	125	26.25	24	19	2	1.5	126	158	3 000	4 000	30214CR	—	29.9	80	82	116.5	107	119	4	7	2	1.5	0.55	1.10	0.60	1.30
	125	26.25	24	21	2	1.5	138	173	3 100	4 100	30214JR	3EB	25.9	80	81	116.5	110	118	4	5	2	1.5	0.42	1.43	0.79	1.32

[Note] 1) Please consult with JTEKT when using the bearings identified by suffix C. They are medium-tapered types especially designed for special purposes.

Single-row tapered roller bearings
metric series

d (70) ~ (75) mm

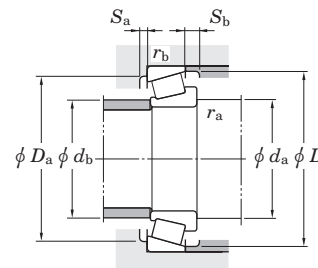
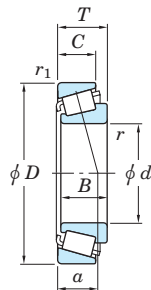


Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)		
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀			
70	125	33.25	31	24	2	1.5	157	212	3 100	4 100	32214CR	—	32.6	80	80	116.5	104	120	4	9.5	2	1.5	0.55	1.10	0.60	1.65	
	125	33.25	31	27	2	1.5	169	225	3 100	4 100	32214JR	3EC	29.2	80	80	116.5	108	119	4	6	2	1.5	0.42	1.43	0.79	1.71	
	125	41	41	32	2	1.5	206	294	3 100	4 100	33214JR	3EE	31.2	80	79	116.5	107	120	7	9	2	1.5	0.41	1.47	0.81	2.16	
	130	43	42	35	3	2.5	233	319	3 000	4 000	T2ED070	2ED	30.2	84	81	118	111	123	1	1	2.5	2	0.33	1.80	0.99	2.48	
	140	39	35.5	27	3	3	177	242	2 400	3 400	T7FC070	7FC	46.5	84	82	126	106	133	5	12	2.5	2.5	0.87	0.69	0.38	2.64	
	140	52	51	43	5	3	264	382	2 900	3 800	T4FE070	4FE	37.7	92	82	126	111	133	7	9	4	2.5	0.45	1.34	0.74	3.69	
	150	38	35	25	3	2.5	197	235	2 300	3 200	30314DJR	7GB	47.1	84	84	138	118	142	4	13	2.5	2	0.83	0.73	0.40	2.97	
	150	38	35	30	3	2.5	224	256	2 700	3 600	30314CR	—	37.0	84	87	138	123	141	6	8	2.5	2	0.55	1.10	0.60	3.10	
	150	38	35	30	3	2.5	230	273	2 600	3 500	30314JR	2GB	30.5	84	89	138	130	140	4	8	2.5	2	0.35	1.74	0.96	3.08	
	150	54	51	42	3	2.5	257	315	2 700	3 600	32314	—	37.0	84	86	138	125	140	4	12	2.5	2	0.35	1.73	0.95	4.11	
	150	54	51	42	3	2.5	297	391	2 700	3 600	32314C	5GD	44.4	84	84	138	115	142	5	12	2.5	2	0.55	1.10	0.60	4.50	
	150	54	51	42	3	2.5	317	414	2 700	3 600	32314JR	2GD	37.4	84	86	138	125	140	4	12	2.5	2	0.35	1.74	0.96	4.50	
	75	105	20	20	16	1	1	73.6	123	3 300	4 400	32915JR	2BC	18.9	80.5	81	99.5	96	101	4	4	1	1	0.33	1.80	0.99	0.526
		115	25	25	19	1.5	1.5	110	169	3 100	4 200	32015JR	4CC	25.1	83.5	83	106.5	103	110	5	6	1.5	1.5	0.46	1.31	0.72	0.930
115		31	31	25.5	1.5	1.5	141	225	3 200	4 200	33015JR	2CE	22.9	83.5	83	106.5	104	110	6	5.5	1.5	1.5	0.30	2.01	1.11	1.16	
125		37	37	29	2	1.5	186	280	3 000	4 000	33115JR	3DE	29.3	85	84	116.5	109	120	6	8	2	1.5	0.40	1.51	0.83	1.84	
130		27.25	25	20	2	1.5	136	178	2 900	3 800	30215CR	—	31.0	85	87	121.5	111	124	5	7	2	1.5	0.55	1.10	0.60	1.40	
130		27.25	25	22	2	1.5	142	181	2 900	3 900	30215JR	4DB	27.6	85	86	121.5	115	124	4	5	2	1.5	0.44	1.38	0.76	1.42	
130		33.25	31	24	2	1.5	163	225	2 900	3 900	32215CR	—	33.7	85	85	121.5	109	125	4	9	2	1.5	0.55	1.10	0.60	1.75	
130		33.25	31	27	2	1.5	174	234	2 900	3 900	32215JR	4DC	30.2	85	85	121.5	114	125	4	6	2	1.5	0.44	1.38	0.76	1.77	
130		41	41	31	2	1.5	212	310	2 900	3 900	33215JR	3EE	32.5	85	83	121.5	111	125	7	10	2	1.5	0.43	1.40	0.77	2.26	
150		42	38	29	3	3	191	270	2 200	3 100	T7FC075	7FC	50.6	89	89	136	114	143	5	13	2.5	2.5	0.87	0.69	0.38	3.24	
160		40	37	26	3	2.5	213	254	2 100	2 900	30315DJR	7GB	49.9	89	91	148	127	151	6	14	2.5	2	0.83	0.73	0.40	3.45	
160		40	37	26	3	2.5	222	266	2 100	2 900	30315DR	—	48.8	89	91	148	127	151	6	14	2.5	2	0.81	0.74	0.41	3.48	
160		40	37	31	3	2.5	248	296	2 500	3 400	30315CR	—	39.2	89	94	148	130	150	6	9	2.5	2	0.55	1.10	0.60	3.80	
160		40	37	31	3	2.5	260	311	2 500	3 300	30315JR	2GB	32.5	89	95	148	139	149	4	9	2.5	2	0.35	1.74	0.96	3.65	
160		40	37	31	3	2.5	251	298	2 500	3 300	30315R	—	31.9	89	95	148	139	149	4	9	2.5	2	0.35	1.73	0.95	3.52	

[Note] 1) Please consult with JTEKT when using the bearings identified by suffix C. They are medium-tapered types especially designed for special purposes.

Single-row tapered roller bearings
metric series

d (75) ~ (85) mm

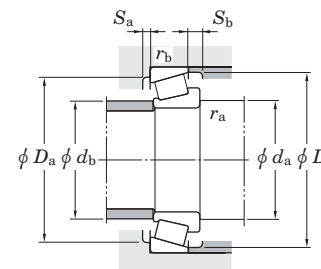
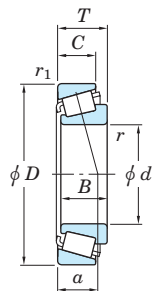


Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀		
75	160	58	55	43	3	2.5	357	474	2 500	3 400	32315CR	—	46.6	89	90	148	125	154	6	15	2.5	2	0.55	1.10	0.60	5.50
	160	58	55	45	3	2.5	363	481	2 500	3 300	32315JR	2GD	40.0	89	91	148	133	149	4	13	2.5	2	0.35	1.74	0.96	5.41
	160	58	55	45	3	2.5	340	444	2 500	3 300	32315R	—	39.5	89	91	148	133	149	4	13	2.5	2	0.35	1.73	0.95	5.30
80	110	20	20	16	1	1	76.1	131	3 100	4 200	32916JR	2BC	20.1	85.5	86	104.5	101	106	4	4	1	1	0.35	1.71	0.94	0.556
	125	29	29	22	1.5	1.5	147	225	2 900	3 900	32016JR	3CC	26.7	88.5	89	116.5	112	120	6	7	1.5	1.5	0.42	1.42	0.78	1.32
	125	36	36	29.5	1.5	1.5	173	288	2 900	3 900	33016JR	2CE	25.1	88.5	90	116.5	112	119	6	6.5	1.5	1.5	0.28	2.16	1.19	1.63
	130	37	37	29	2	1.5	191	294	2 800	3 800	33116JR	3DE	30.5	90	89	121.5	114	126	6	8	2	1.5	0.42	1.44	0.79	1.93
	140	28.25	26	22	2.5	2	161	202	2 700	3 600	30216JR	3EB	28.6	92	91	130	124	132	4	6	2	2	0.42	1.43	0.79	1.72
	140	35.25	33	28	2.5	2	203	271	2 700	3 600	32216JR	3EC	31.7	92	90	130	122	134	4	7	2	2	0.42	1.43	0.79	2.17
	140	46	46	35	2.5	2	250	371	2 700	3 600	33216JR	3EE	35.7	92	89	130	119	135	7	11	2	2	0.43	1.41	0.78	2.99
	145	46	45	38	3	2.5	266	381	2 600	3 500	T2ED080	2ED	32.7	94	92	133	125	137	7	8	2.5	2	0.32	1.88	1.03	3.20
	170	42.5	39	27	3	2.5	236	282	2 000	2 800	30316DJR	7GB	53.5	94	97	158	134	159	6	15.5	2.5	2	0.83	0.73	0.40	4.12
	170	42.5	39	33	3	2.5	294	355	2 300	3 100	30316JR	2GB	34.8	94	102	158	148	159	4	9.5	2.5	2	0.35	1.74	0.96	4.46
	170	42.5	39	33	3	2.5	277	330	2 300	3 100	30316R	—	33.9	94	102	158	148	159	4	9.5	2.5	2	0.35	1.73	0.95	4.26
	170	61.5	58	48	3	2.5	347	440	2 300	3 100	32316J	2GD	43.5	94	98	158	142	159	4	13.5	2.5	2	0.35	1.74	0.96	6.04
	170	61.5	58	48	3	2.5	383	503	2 300	3 100	32316JR	2GD	43.5	94	98	158	142	159	4	13.5	2.5	2	0.35	1.74	0.96	6.31
85	120	23	23	18	1.5	1.5	97.1	165	2 900	3 900	32917JR	2BC	21.2	93.5	93	111.5	109	115	5	5	1.5	1.5	0.33	1.83	1.01	0.794
	130	29	29	22	1.5	1.5	150	234	2 800	3 700	32017JR	4CC	28.0	93.5	94	121.5	117	125	6	7	1.5	1.5	0.44	1.36	0.75	1.38
	130	36	36	29.5	1.5	1.5	177	300	2 800	3 700	33017JR	2CE	26.3	93.5	94	121.5	118	125	6	6.5	1.5	1.5	0.29	2.06	1.13	1.72
	140	41	41	32	2.5	2	224	346	2 600	3 500	33117JR	3DE	33.2	97	95	130	122	135	7	9	2	2	0.41	1.48	0.81	2.43
	150	30.5	28	24	2.5	2	182	231	2 500	3 400	30217JR	3EB	30.4	97	97	140	132	141	5	6.5	2	2	0.42	1.43	0.79	2.17
	150	38.5	36	30	2.5	2	232	315	2 500	3 400	32217JR	3EC	34.2	97	96	140	130	142	5	8.5	2	2	0.42	1.43	0.79	2.80
	150	49	49	37	2.5	2	294	439	2 500	3 400	33217JR	3EE	37.1	97	95	140	128	144	7	12	2	2	0.42	1.43	0.79	3.63
	180	44.5	41	28	4	3	231	265	1 900	2 600	30317D	—	56.0	103	103	166	143	169	6	16.5	3	2.5	0.81	0.74	0.41	4.54
	180	44.5	41	28	4	3	263	317	1 900	2 600	30317DJR	7GB	56.3	103	103	166	143	169	6	16.5	3	2.5	0.83	0.73	0.40	4.81
	180	44.5	41	34	4	3	316	384	2 200	2 900	30317JR	2GB	36.0	103	107	166	156	167	5	10.5	3	2.5	0.35	1.74	0.96	5.15
	180	44.5	41	34	4	3	305	367	2 200	2 900	30317R	—	35.8	103	107	166	156	167	5	10.5	3	2.5	0.35	1.73	0.95	4.97

[Note] 1) Please consult with JTEKT when using the bearings identified by suffix C. They are medium-tapered types especially designed for special purposes.

Single-row tapered roller bearings
metric series

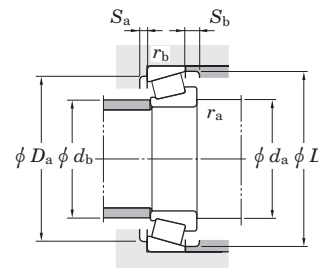
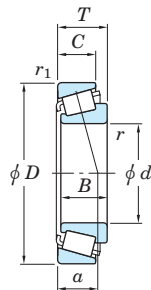
d (85) ~ 95 mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	Cr	Cor	Grease lub.	Oil lub.				da min.	db max.	Da max.	Dd min.	Sa min.	Sb min.	ra max.	rb max.		Y1	Y0		
85	180	63.5	60	49	4	3	439	587	2 200	3 000	32317JR	2GD	43.8	103	103	166	150	167	5	14.5	3	2.5	0.35	1.74	0.96	7.42
90	125	23	23	18	1.5	1.5	101	175	2 800	3 700	32918JR	2BC	22.3	98.5	97	116.5	114	120	5	5	1.5	1.5	0.34	1.75	0.96	0.834
	140	32	32	24	2	1.5	178	276	2 600	3 500	32018JR	3CC	29.8	100	100	131.5	125	134	6	8	2	1.5	0.42	1.42	0.78	1.80
	140	39	39	32.5	2	1.5	221	367	2 600	3 400	33018JR	2CE	27.1	100	100	131.5	127	135	7	6.5	2	1.5	0.27	2.23	1.23	2.22
	150	45	45	35	2.5	2	258	413	2 500	3 300	33118JR	3DE	35.4	102	100	140	130	144	7	10	2	2	0.40	1.51	0.83	3.13
	155	46	46	38	3	3	273	405	2 400	3 200	T2ED090	2ED	33.5	104	102	141	135	147	7	8	2.5	2.5	0.33	1.84	1.01	3.47
	160	32.5	30	26	2.5	2	204	261	2 400	3 200	30218JR	3FB	32.6	102	103	150	140	150	5	6.5	2	2	0.42	1.43	0.79	2.65
	160	42.5	40	34	2.5	2	263	362	2 400	3 200	32218JR	3FC	37.0	102	102	150	138	152	5	8.5	2	2	0.42	1.43	0.79	3.47
	160	55	55	42	2.5	2	343	527	2 400	3 200	33218JR	3FE	40.8	102	101	150	135	154	9	13	2	2	0.42	1.43	0.78	4.76
	190	46.5	43	30	4	3	288	350	1 700	2 400	30318DJR	7GB	59.6	108	109	176	151	179	6	16.5	3	2.5	0.83	0.73	0.40	5.57
	190	46.5	43	30	4	3	282	336	1 700	2 400	30318DR	—	59.1	108	109	176	151	179	6	16.5	3	2.5	0.81	0.74	0.41	5.60
	190	46.5	43	36	4	3	345	420	2 100	2 700	30318JR	2GB	38.1	108	113	176	165	177	5	10.5	3	2.5	0.35	1.74	0.96	6.04
	190	46.5	43	36	4	3	336	407	2 100	2 700	30318R	—	37.2	108	113	176	165	177	5	10.5	3	2.5	0.35	1.73	0.95	5.78
190	67.5	64	53	4	3	461	614	2 100	2 800	32318JR	2GD	46.6	108	108	176	157	177	5	14.5	3	2.5	0.35	1.74	0.96	8.61	
95	130	23	23	18	1.5	1.5	104	186	2 600	3 500	32919JR	2BC	23.5	103.5	102	121.5	119	125	5	5	1.5	1.5	0.36	1.68	0.92	0.876
	145	32	32	24	2	1.5	182	287	2 500	3 300	32019JR	4CC	31.2	105	105	136.5	130	140	6	8	2	1.5	0.44	1.36	0.75	1.88
	145	39	39	32.5	2	1.5	226	382	2 500	3 300	33019JR	2CE	27.8	105	104	136.5	131	139	7	6.5	2	1.5	0.28	2.16	1.19	2.31
	160	46	46	38	3	3	281	427	2 300	3 100	T2ED095	2ED	34.6	109	107	146	140	152	7	8	2.5	2.5	0.34	1.77	0.97	3.62
	160	49	49	38	2.5	2	304	473	2 300	3 100	33119JR	3EE	37.3	107	106	150	138	154	8	11	2	2	0.39	1.54	0.85	3.89
	170	34.5	32	27	3	2.5	231	299	2 200	3 000	30219JR	3FB	34.9	109	110	158	149	159	5	7.5	2.5	2	0.42	1.43	0.79	3.20
	170	45.5	43	37	3	2.5	311	439	2 200	3 000	32219JR	3FC	38.9	109	108	158	145	161	5	8.5	2.5	2	0.42	1.43	0.79	4.34
	170	58	58	44	3	2.5	374	582	2 200	2 900	33219JR	3FE	42.8	109	107	158	144	163	9	14	2.5	2	0.41	1.47	0.81	5.66
	200	49.5	45	32	4	3	319	391	1 700	2 300	30319DJR	7GB	62.7	113	113	186	157	187	6	17.5	3	2.5	0.83	0.73	0.40	6.68
	200	49.5	45	38	4	3	317	368	2 000	2 600	30319	—	39.8	113	118	186	172	186	5	11.5	3	2.5	0.35	1.73	0.95	6.32
	200	49.5	45	38	4	3	372	455	2 000	2 600	30319JR	2GB	40.8	113	118	186	172	186	5	11.5	3	2.5	0.35	1.74	0.96	6.96
	200	71.5	67	55	4	3	427	544	2 000	2 600	32319	—	49.1	113	115	186	166	186	5	16.5	3	2.5	0.35	1.73	0.95	9.35
200	71.5	67	55	4	3	517	695	2 000	2 600	32319JR	2GD	49.8	113	115	186	166	186	5	16.5	3	2.5	0.35	1.74	0.96	10.1	

Single-row tapered roller bearings
metric series

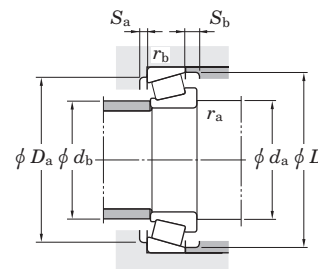
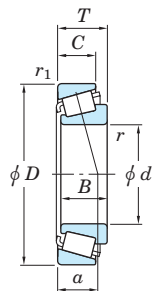
d 100 ~ (105) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	Cr	C0r	Grease lub.	Oil lub.				da min.	db max.	Da max.	Db min.	Sa min.	Sb min.	ra max.	rb max.		Y1	Y0		
100	140	25	25	20	1.5	1.5	126	217	2 400	3 300	32920JR	2CC	24.0	109	108	131	128	135	5	5	1.5	1.5	0.33	1.82	1.00	1.19
	145	24	22.5	17.5	3	3	116	167	2 400	3 200	T4CB100	4CB	29.9	112	109	133	132	140	4	6.5	2.5	2.5	0.47	1.27	0.70	1.12
	150	32	32	24	2	1.5	185	298	2 400	3 200	32020JR	4CC	32.6	110	109	141	134	144	6	8	2	1.5	0.46	1.31	0.72	1.95
	150	39	39	32.5	2	1.5	231	397	2 400	3 200	33020JR	2CE	28.6	110	108	141	135	143	7	6.5	2	1.5	0.29	2.09	1.15	2.40
	165	47	46	39	3	3	293	458	2 200	3 000	T2EE100	2EE	35.1	114	112	151	145	157	7	8	2.5	2.5	0.32	1.88	1.04	3.86
	165	52	52	40	2.5	2	325	523	2 200	3 000	33120JR	3EE	40.1	112	111	155	142	159	8	12	2	2	0.41	1.48	0.81	4.29
	180	37	34	29	3	2.5	258	338	2 100	2 800	30220JR	3FB	36.8	114	116	168	157	168	5	8	2.5	2	0.42	1.43	0.79	3.83
	180	49	46	39	3	2.5	347	495	2 100	2 800	32220JR	3FC	42.1	114	114	168	154	171	5	10	2.5	2	0.42	1.43	0.79	5.21
	180	63	63	48	3	2.5	431	680	2 100	2 800	32320JR	3FE	45.7	114	112	168	151	172	10	15	2.5	2	0.40	1.48	0.82	6.92
	215	51.5	47	34	4	3	318	374	1 500	2 100	30320D	—	65.9	118	121	201	183	204	5	17	3	2.5	0.81	0.74	0.41	8.02
	215	51.5	47	39	4	3	344	400	1 800	2 400	30320	—	41.4	118	127	201	184	200	6	12.5	3	2.5	0.35	1.73	0.95	7.76
	215	51.5	47	39	4	3	422	521	1 800	2 400	30320JR	2GB	42.7	118	127	201	184	200	6	12.5	3	2.5	0.35	1.74	0.96	8.49
	215	56.5	51	35	4	3	373	459	1 500	2 200	31320JR	7GB	67.7	118	120	201	183	202	6	17.5	3	2.5	0.83	0.73	0.40	8.72
	215	77.5	73	60	4	3	491	637	1 800	2 400	32320	—	52.6	118	123	201	177	200	8	17.5	3	2.5	0.35	1.73	0.95	12.2
	215	77.5	73	60	4	3	579	783	1 800	2 400	32320JR	2GD	53.9	118	123	201	177	200	8	17.5	3	2.5	0.35	1.74	0.96	13.0
105	145	25	25	20	1.5	1.5	128	224	2 400	3 100	32921JR	2CC	25.1	113.5	113	136.5	133	140	5	5	1.5	1.5	0.34	1.75	0.96	1.23
	160	35	35	26	2.5	2	215	344	2 200	3 000	32021JR	4DC	34.5	117	116	150	143	154	6	9	2	2	0.44	1.35	0.74	2.45
	160	43	43	34	2.5	2	267	461	2 200	3 000	33021JR	2DE	30.9	117	116	150	145	153	7	9	2	2	0.28	2.12	1.17	3.08
	175	56	56	44	2.5	2	360	607	2 100	2 800	33121JR	3EE	43.2	117	116	165	150	169	9	12	2	2	0.40	1.48	0.82	5.33
	190	39	36	30	3	2.5	288	380	2 000	2 600	30221JR	3FB	39.0	119	122	178	165	178	6	9	2.5	2	0.42	1.43	0.79	4.49
	190	53	50	43	3	2.5	392	567	2 000	2 700	32221JR	3FC	44.8	119	120	178	161	180	6	10	2.5	2	0.42	1.43	0.79	6.37
	190	68	68	52	3	2.5	497	790	2 000	2 600	33221JR	3FE	48.8	119	117	178	159	182	10	16	2.5	2	0.40	1.49	0.82	8.43
	225	53.5	49	36	4	3	339	396	1 400	2 000	30321D	—	69.1	123	127	211	193	209	6	17	3	2.5	0.81	0.74	0.41	8.76
	225	53.5	49	41	4	3	371	432	1 700	2 300	30321	—	43.1	123	132	211	193	209	7	12.5	3	2.5	0.35	1.73	0.95	8.74
	225	53.5	49	41	4	3	464	578	1 700	2 300	30321JR	2GB	44.1	123	132	211	193	209	7	12.5	3	2.5	0.35	1.74	0.96	9.73
	225	58	53	36	4	3	397	489	1 500	2 100	31321JR	7GB	70.3	123	126	211	193	211	6	18	3	2.5	0.83	0.73	0.40	9.72
	225	81.5	77	63	4	3	543	707	1 800	2 300	32321	—	55.7	123	128	211	185	209	8	18.5	3	2.5	0.35	1.73	0.95	13.9

Single-row tapered roller bearings
metric series

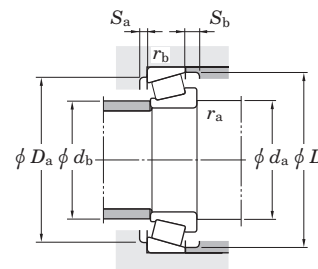
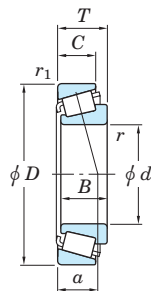
d (105) ~ 120 mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀		
105	225	81.5	77	63	4	3	635	866	1 800	2 300	32321JR	2GD	56.1	123	128	211	185	209	8	18.5	3	2.5	0.35	1.74	0.96	14.9
110	150	25	25	20	1.5	1.5	129	231	2 300	3 000	32922JR	2CC	26.3	119	118	141	138	145	5	5	1.5	1.5	0.36	1.69	0.93	1.28
	160	27	25.5	19.5	3	3	146	225	2 200	2 900	T4CB110	4CB	31.8	124	120	146	145	154	5	7.5	2.5	2.5	0.44	1.36	0.75	1.63
	170	38	38	29	2.5	2	248	395	2 100	2 800	32022JR	4DC	36.1	122	122	160	152	163	7	9	2	2	0.43	1.39	0.77	3.12
	170	47	47	37	2.5	2	287	502	2 100	2 800	33022JR	2DE	33.4	122	123	160	152	161	7	10	2	2	0.29	2.09	1.15	3.81
	180	56	56	43	2.5	2	369	634	2 000	2 700	33122JR	3EE	44.5	122	121	170	155	174	9	13	2	2	0.42	1.43	0.79	5.52
	200	41	38	32	3	2.5	324	434	1 900	2 500	30222JR	3FB	40.8	124	129	188	174	188	6	9	2.5	2	0.42	1.43	0.79	5.33
	200	56	53	46	3	2.5	438	640	1 900	2 500	32222JR	3FC	46.7	124	126	188	170	190	6	10	2.5	2	0.42	1.43	0.79	7.45
	240	54.5	50	36	4	3	365	429	1 400	1 900	30322D	—	71.5	128	135	226	205	222	6	18	3	2.5	0.81	0.74	0.41	10.2
	240	54.5	50	42	4	3	407	475	1 600	2 100	30322	—	44.8	128	141	226	206	222	8	12.5	3	2.5	0.35	1.73	0.95	10.4
	240	54.5	50	42	4	3	481	590	1 600	2 100	30322JR	2GB	46.3	128	141	226	206	222	8	12.5	3	2.5	0.35	1.74	0.96	11.4
	240	63	57	38	4	3	452	563	1 400	1 900	31322JR	7GB	76.2	128	135	226	205	224	6	21	3	2.5	0.83	0.73	0.40	12.2
	240	84.5	80	65	4	3	607	797	1 600	2 200	32322	—	57.3	128	137	226	198	222	9	19.5	3	2.5	0.35	1.73	0.95	16.6
	240	84.5	80	65	4	3	691	943	1 600	2 200	32322JR	2GD	59.3	128	137	226	198	222	9	19.5	3	2.5	0.35	1.74	0.96	17.8
120	165	29	29	23	1.5	1.5	172	298	2 100	2 700	32924JR	2CC	29.4	129	128	156	152	160	6	6	1.5	1.5	0.35	1.72	0.95	1.77
	170	27	25	19.5	3	3	164	262	2 000	2 700	T4CB120	4CB	34.6	134	130	156	155	164	4	7.5	2.5	2.5	0.47	1.27	0.70	1.76
	180	38	38	29	2.5	2	258	427	2 000	2 600	32024JR	4DC	38.8	132	131	170	161	173	7	9	2	2	0.46	1.31	0.72	3.34
	180	48	48	38	2.5	2	299	540	2 000	2 600	33024JR	2DE	36.2	132	132	170	160	171	6	10	2	2	0.31	1.97	1.08	4.16
	200	62	62	48	2.5	2	462	785	1 800	2 400	33124JR	3FE	47.8	132	133	190	172	192	9	14	2	2	0.40	1.51	0.83	7.73
	215	43.5	40	34	3	2.5	347	473	1 700	2 300	30224JR	4FB	44.2	134	140	203	187	203	6	9.5	2.5	2	0.44	1.38	0.76	6.36
	215	61.5	58	50	3	2.5	470	691	1 700	2 300	32224JR	4FD	51.6	134	136	203	181	204	7	11.5	2.5	2	0.44	1.38	0.76	9.04
	260	59.5	55	38	4	3	430	512	1 200	1 700	30324D	—	77.8	138	145	246	219	239	6	21	3	2.5	0.81	0.74	0.41	13.0
	260	59.5	55	46	4	3	505	611	1 500	2 000	30324	—	48.9	138	152	246	221	239	10	13.5	3	2.5	0.35	1.73	0.95	13.7
	260	59.5	55	46	4	3	569	714	1 500	2 000	30324JR	2GB	50.2	138	152	246	221	239	10	13.5	3	2.5	0.35	1.74	0.96	14.5
	260	68	62	42	4	3	526	665	1 300	1 800	31324JR	7GB	81.9	138	145	246	221	244	6	21	3	2.5	0.83	0.73	0.40	15.4
	260	90.5	86	69	4	3	800	1 110	1 500	2 000	32324JR	2GD	62.7	138	148	246	213	239	9	21.5	3	2.5	0.35	1.74	0.96	22.2
	260	90.5	86	69	4	3	797	1 110	1 500	2 000	32324R	—	61.1	138	148	246	213	239	9	21.5	3	2.5	0.35	1.73	0.95	21.8

Single-row tapered roller bearings
metric series

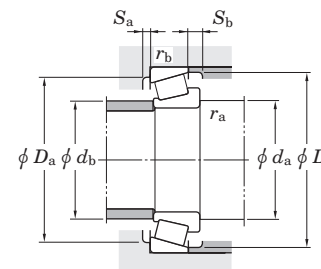
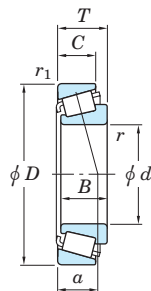
d 130 ~ (150) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	Cr	Cor	Grease lub.	Oil lub.				da min.	db max.	Da max.	Db min.	Sa min.	Sb min.	ra max.	rb max.		Y1	Y0		
130	180	32	32	25	2	1.5	200	368	1 900	2 500	32926JR	2CC	31.4	140	141	171	165	174	6	7	2	1.5	0.34	1.77	0.97	2.42
	185	29	27	21	3	3	183	282	1 800	2 500	T4CB130	4CB	37.8	144	141	171	170	179	5	8	2.5	2.5	0.47	1.27	0.70	2.22
	200	45	45	34	2.5	2	340	563	1 800	2 300	32026JR	4EC	42.9	142	144	190	178	192	8	11	2	2	0.43	1.38	0.76	5.04
	200	55	55	43	2.5	2	390	705	1 700	2 300	33026JR	2EE	42.5	142	143	190	178	192	8	12	2	2	0.34	1.76	0.97	6.19
	230	43.75	40	34	4	3	377	511	1 600	2 100	30226JR	4FB	46.2	148	152	216	203	218	7	9.5	3	2.5	0.44	1.38	0.76	7.24
	230	67.75	64	54	4	3	554	830	1 600	2 200	32226JR	4FD	56.0	148	146	216	193	219	7	13.5	3	2.5	0.44	1.38	0.76	11.5
	280	63.75	58	41	5	4	485	582	1 200	1 600	30326D	—	84.0	152	155	262	240	261	7	22	4	3	0.81	0.74	0.41	16.3
	280	63.75	58	49	5	4	657	834	1 400	1 800	30326JR	2GB	54.0	152	164	262	239	255	8	14.5	4	3	0.35	1.74	0.96	18.1
	280	72	66	44	5	4	589	748	1 200	1 600	31326JR	7GB	87.3	152	155	262	236	261	7	23	4	3	0.83	0.73	0.40	18.9
	280	98.75	93	78	5	4	852	1 160	1 400	1 800	32326	—	69.1	152	163	262	226	259	10	15	4	3	0.35	1.73	0.95	26.5
140	190	32	32	25	2	1.5	206	390	1 800	2 300	32928JR	2CC	33.6	150	150	181	174	184	6	7	2	1.5	0.36	1.67	0.92	2.57
	195	29	27	21	3	3	185	293	1 700	2 300	T4CB140	4CB	40.9	154	151	181	180	189	5	8	2.5	2.5	0.50	1.19	0.66	2.36
	210	45	45	34	2.5	2	346	585	1 700	2 200	32028JR	4DC	45.6	152	153	200	187	202	8	11	2	2	0.46	1.31	0.72	5.28
	210	56	56	44	2.5	2	406	758	1 600	2 200	33028JR	2DE	45.6	152	152	200	186	202	7	12	2	2	0.36	1.67	0.92	6.61
	250	45.75	42	36	4	3	420	570	1 500	1 900	30228JR	4FB	49.4	158	163	236	219	237	9	9.5	3	2.5	0.44	1.38	0.76	8.97
	250	71.75	68	58	4	3	636	961	1 500	2 000	32228JR	4FD	60.0	158	158	236	210	238	9	13.5	3	2.5	0.44	1.38	0.76	14.7
	300	67.75	62	44	5	4	525	627	1 100	1 500	30328D	—	90.2	162	169	282	254	280	7	23	4	3	0.81	0.74	0.41	20.0
	300	67.75	62	53	5	4	749	962	1 300	1 700	30328JR	2GB	56.9	162	179	282	254	273	10	14.5	4	3	0.35	1.74	0.96	22.6
	300	77	70	47	5	4	674	865	1 100	1 500	31328JR	7GB	93.8	162	167	282	254	280	8	26	4	3	0.83	0.73	0.40	23.3
	300	107.75	102	85	5	4	1 110	1 570	1 300	1 700	32328R	—	74.2	162	175	282	246	280	10	17	4	3	0.35	1.74	0.96	35.1
150	210	38	38	30	2.5	2	286	536	1 600	2 100	32930JR	2DC	36.1	162	163	200	194	202	7	8	2	2	0.33	1.83	1.01	3.96
	225	48	48	36	3	2.5	391	668	1 500	2 000	32030JR	4EC	48.8	164	164	213	200	216	8	12	2.5	2	0.46	1.31	0.72	6.41
	225	59	59	46	3	2.5	459	869	1 500	2 000	33030JR	2EE	47.8	164	164	213	200	217	8	13	2.5	2	0.36	1.65	0.90	8.09
	270	49	45	38	4	3	483	664	1 300	1 800	30230JR	4GB	52.4	168	175	256	234	255	9	11	3	2.5	0.44	1.38	0.76	11.6
	270	77	73	60	4	3	704	1 070	1 300	1 800	32230JR	4GD	65.2	168	170	256	226	254	8	17	3	2.5	0.44	1.38	0.76	18.2
	320	72	65	46	5	4	616	750	970	1 400	30330D	—	96.0	172	183	302	270	301	9	26	4	3	0.81	0.74	0.41	23.9
	320	72	65	55	5	4	837	1 080	1 200	1 500	30330JR	2GB	60.8	172	193	302	272	292	12	17	4	3	0.35	1.74	0.96	26.6

Single-row tapered roller bearings
metric series

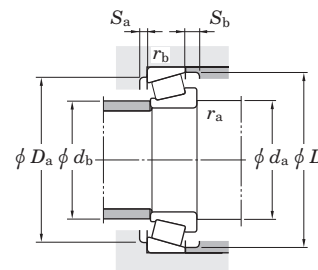
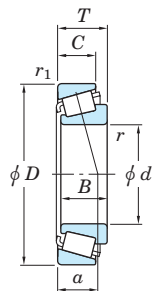
d (150) ~ (190) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀		
150	320	82	75	50	5	4	763	989	980	1 400	31330JR 32330R	7GB	100.1	172	179	302	272	301	9	27	4	3	0.83	0.73	0.40	28.0
	320	114	108	90	5	4	1 240	1 790	1 200	1 600		—	78.4	172	187	302	263	298	10	17	4	3	0.35	1.74	0.96	42.0
160	220	32	30	23	3	3	225	379	1 500	2 000	T4DB160 32932JR 32032JR 30232JR 32232JR 30332D 30332JR 32332	4DB	44.7	174	172	206	204	213	5	9	2.5	2.5	0.49	1.23	0.68	3.23
	220	38	38	30	2.5	2	295	568	1 500	2 000		2DC	38.4	172	173	210	204	212	7	8	2	2	0.35	1.73	0.95	4.19
	240	51	51	38	3	2.5	440	758	1 400	1 900		4EC	52.1	174	175	228	213	231	8	13	2.5	2	0.46	1.31	0.72	7.75
	290	52	48	40	4	3	542	750	1 200	1 600		4GB	56.3	178	189	276	252	269	8	12	3	2.5	0.44	1.38	0.76	14.1
	290	84	80	67	4	3	795	1 210	1 200	1 700		4GD	70.3	178	182	276	242	274	10	17	3	2.5	0.44	1.38	0.76	23.2
	340	75	68	48	5	4	742	933	900	1 300		—	101.8	182	195	322	290	320	9	27	4	3	0.81	0.74	0.41	29.1
	340	75	68	58	5	4	938	1 220	1 100	1 400		2GB	63.3	182	205	322	289	310	12	17	4	3	0.35	1.74	0.96	31.8
340	121	114	95	5	4	1 220	1 720	1 100	1 400	—	83.0	182	200	322	277	316	10	18	4	3	0.35	1.73	0.95	47.9		
170	230	38	38	30	2.5	2	296	606	1 400	1 900	32934JR 32034JR 30234JR 32234JR 30334D 30334JR 32334	3DC	42.0	182	183	220	213	222	7	8	2	2	0.38	1.57	0.86	4.49
	260	57	57	43	3	2.5	526	905	1 300	1 700		4EC	55.8	184	187	248	230	249	10	14	2.5	2	0.44	1.35	0.74	10.5
	310	57	52	43	5	4	620	867	1 100	1 500		4GB	61.2	192	202	292	269	288	8	14	4	3	0.44	1.38	0.76	17.8
	310	91	86	71	5	4	898	1 380	1 100	1 500		4GD	76.2	192	195	292	259	294	10	20	4	3	0.44	1.38	0.76	28.9
	360	80	72	50	5	4	762	1 040	830	1 200		—	108.3	192	211	342	310	333	9	30	4	3	0.81	0.74	0.41	34.3
	360	80	72	62	5	4	1 040	1 370	1 000	1 300		2GB	67.9	192	218	342	306	329	13	18	4	3	0.35	1.74	0.96	37.5
	360	127	120	100	5	4	1 310	1 830	1 000	1 300		—	86.1	192	200	342	295	337	14	26	4	3	0.35	1.73	0.95	56.9
180	250	45	45	34	2.5	2	357	735	1 300	1 700	32936JR 32036JR 30236JR 32236JR 30336D 30336 32336	4DC	53.5	192	193	240	225	241	8	11	2	2	0.48	1.25	0.69	6.64
	280	64	64	48	3	2.5	644	1 100	1 200	1 600		3FD	59.5	194	199	268	247	268	10	16	2.5	2	0.42	1.42	0.78	14.1
	320	57	52	43	5	4	615	870	1 100	1 400		4GB	63.6	202	211	302	278	297	9	14	4	3	0.45	1.33	0.73	18.3
	320	91	86	71	5	4	957	1 520	1 100	1 500		4GD	77.8	202	204	302	267	303	10	20	4	3	0.45	1.33	0.73	29.9
	380	83	75	52	5	4	833	1 150	780	1 100		—	112.8	202	225	362	330	351	10	31	4	3	0.81	0.74	0.41	40.1
	380	83	75	64	5	4	901	1 110	940	1 300		—	71.0	202	227	362	318	346	13	19	4	3	0.35	1.73	0.95	39.7
	380	134	126	106	5	4	1 410	1 980	960	1 300		—	91.8	202	215	362	310	355	14	27	4	3	0.35	1.73	0.95	67.0
190	260	45	45	34	2.5	2	366	789	1 200	1 600	32938JR 32038JR	4DC	55.0	202	204	250	235	252	8	11	2	2	0.48	1.26	0.69	6.89
	290	64	64	48	3	2.5	654	1 170	1 100	1 500		4FD	62.9	204	209	278	257	279	10	16	2.5	2	0.44	1.36	0.75	14.7

Single-row tapered roller bearings
metric series

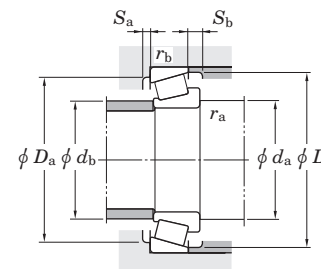
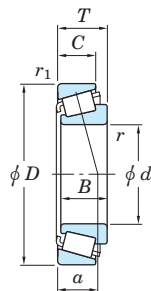
d (190) ~ 260 mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	C _r	C _{0r}	Grease lub.	Oil lub.				d _a min.	d _b max.	D _a max.	D _b min.	S _a min.	S _b min.	r _a max.	r _b max.		Y ₁	Y ₀		
190	340	60	55	46	5	4	729	1 030	1 000	1 300	30238JR 32238JR 30338D 30338 32338	4GB 4GD — — —	66.4 81.9 119.2 73.2 96.5	212	225	322	298	318	12	13	4	3	0.44	1.38	0.76	21.9
	340	97	92	75	5	4	1 090	1 740	1 000	1 300				212	216	322	286	323	12	22	4	3	0.44	1.38	0.76	36.6
	400	86	78	52	6	5	950	1 210	740	1 000				218	232	378	350	372	11	34	5	4	0.81	0.74	0.41	44.8
	400	86	78	65	6	5	1 010	1 250	880	1 200				218	241	378	342	370	10	20	5	4	0.35	1.73	0.95	46.2
	400	140	132	109	6	5	1 550	2 190	890	1 200				218	225	378	330	375	14	30	5	4	0.35	1.73	0.95	76.6
200	280	51	51	39	3	2.5	486	958	1 100	1 500	32940JR 32040JR 30240JR 32240JR 30340D 30340 32340	3EC 4FD 4GB 3GD — — —	53.6 66.9 70.3 84.6 122.6 79.8 102.9	214	216	268	257	271	9	12	2.5	2	0.39	1.52	0.84	9.44
	310	70	70	53	3	2.5	755	1 340	1 100	1 400				214	221	298	273	297	11	17	2.5	2	0.43	1.39	0.77	19.1
	360	64	58	48	5	4	792	1 120	940	1 200				222	238	342	315	336	12	15	4	3	0.44	1.38	0.76	26.4
	360	104	98	82	5	4	1 240	1 880	960	1 300				222	225	342	302	340	11	22	4	3	0.41	1.48	0.81	44.2
	420	89	80	56	6	5	904	1 230	690	970				228	248	398	365	385	11	33	5	4	0.81	0.74	0.41	50.6
	420	89	80	67	6	5	1 120	1 450	820	1 100				228	255	398	354	385	11	21	5	4	0.35	1.73	0.95	53.5
	420	146	138	115	6	5	1 790	2 580	830	1 100				228	240	398	345	395	16	30	5	4	0.35	1.73	0.95	91.0
220	300	51	51	39	3	2.5	498	1 010	1 000	1 400	32944JR 32044JR 30244JR 32244 30344	3EC 4FD — — —	58.6 72.8 76.5 95.9 84.6	234	234	288	275	290	9	12	2.5	2	0.43	1.41	0.78	10.1
	340	76	76	57	4	3	894	1 620	940	1 300				238	243	326	300	326	12	19	3	2.5	0.43	1.39	0.77	25.2
	400	72	65	54	5	4	1 010	1 440	830	1 100				242	263	382	344	371	14	17	4	3	0.44	1.43	0.79	35.9
	400	114	108	90	5	4	1 190	1 930	830	1 100				242	260	382	333	377	16	14	4	3	0.43	1.39	0.77	56.8
	460	97	88	73	6	5	1 260	1 680	730	980				248	282	438	386	420	12	23	5	4	0.35	1.73	0.95	69.0
240	320	51	51	39	3	2.5	515	1 090	940	1 300	32948JR 32048JR 30248R 32248	4EC 4FD — —	64.5 78.5 82.7 106.1	254	254	308	294	311	9	12	2.5	2	0.46	1.31	0.72	10.9
	360	76	76	57	4	3	924	1 720	870	1 200				258	261	346	318	346	12	19	3	2.5	0.46	1.31	0.72	26.8
	440	79	72	60	5	4	1 230	1 790	730	980				262	287	422	377	409	14	18	4	3	0.42	1.43	0.79	49.5
	440	127	120	100	5	4	1 530	2 480	740	980				262	282	422	365	415	16	14	4	3	0.43	1.39	0.77	76.4
260	360	63.5	63.5	48	3	2.5	741	1 550	830	1 100	32952JR 32052JR 30252 32252	3EC 4FC — —	69.6 85.0 93.6 115.2	274	279	348	328	347	11	15.5	2.5	2	0.41	1.48	0.81	18.9
	400	87	87	65	5	4	1 170	2 170	770	1 000				282	287	382	352	383	14	22	4	3	0.43	1.38	0.76	39.5
	480	89	80	67	6	5	1 210	1 860	650	870				288	310	458	415	450	14	21	5	4	0.42	1.44	0.79	64.9
	480	137	130	106	6	5	1 760	2 870	660	880				288	300	458	400	455	16	30	5	4	0.43	1.39	0.77	102

Single-row tapered roller bearings
metric series

d 280 ~ 360 mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r min.	r1 min.	Cr	C0r	Grease lub.	Oil lub.				da min.	db max.	Da max.	Db min.	Sa min.	Sb min.	ra max.	rb max.		Y1	Y0		
280	380	63.5	63.5	48	3	2.5	760	1 630	770	1 000	32956JR	4EC	75.1	294	298	368	347	368	11	15.5	2.5	2	0.43	1.39	0.76	20.1
	420	87	87	65	5	4	1 200	2 280	720	960	32056JR	4FC	91.1	302	305	402	370	402	14	22	4	3	0.46	1.31	0.72	41.7
	500	89	80	67	6	5	1 260	1 920	610	810	30256	—	96.2	308	325	478	440	475	14	21	5	4	0.42	1.44	0.79	67.6
	500	137	130	106	6	5	1 860	3 150	610	810	32256	—	117.2	308	325	478	420	474	16	30	5	4	0.43	1.39	0.77	108
300	420	76	76	57	4	3	1 050	2 210	680	910	32960JR	3FD	79.9	318	324	406	383	405	12	19	3	2.5	0.39	1.52	0.84	32.4
	460	100	100	74	5	4	1 430	2 660	640	850	32060JR	4GD	97.9	322	329	442	404	439	15	26	4	3	0.43	1.38	0.76	57.5
	540	96	85	71	6	5	1 510	2 360	550	730	30260	—	103.9	328	350	518	475	505	14	24	5	4	0.42	1.44	0.79	84.7
320	440	76	76	57	4	3	1 060	2 270	640	850	32964JR	3FD	85.0	338	342	426	401	426	12	19	3	2.5	0.42	1.44	0.79	34.0
	480	100	100	74	5	4	1 510	2 810	600	800	32064JR	4GD	103.0	342	344	462	418	461	16	26	4	3	0.46	1.31	0.72	58.7
	580	104	92	75	6	5	1 740	2 770	490	660	30264	—	111.9	348	370	558	505	540	14	28	5	4	0.42	1.44	0.79	108
340	460	76	76	57	4	3	1 070	2 340	590	790	32968JR	4FD	90.5	358	361	446	420	446	12	19	3	2.5	0.44	1.37	0.75	35.6
360	480	76	76	57	4	3	1 080	2 400	560	740	32972JR	4FD	96.2	378	379	466	438	466	12	19	3	2.5	0.46	1.31	0.72	37.1