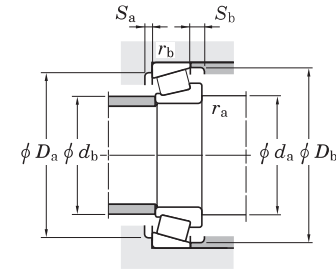
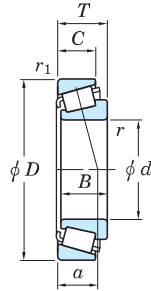


Single-row tapered roller bearings metric series

d (35) ~ (45) mm

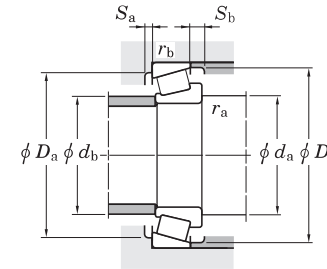
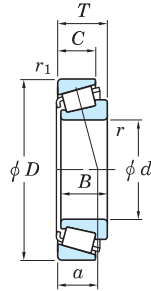


Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) <i>a</i>	Mounting dimensions (mm)								Con- stant <i>e</i>	Axial load factors		(Refer.) Mass (kg)	
<i>d</i>	<i>D</i>	<i>T</i>	<i>B</i>	<i>C</i>	<i>r</i> min,	<i>r</i> ₁ min,	<i>C</i> _r	<i>C</i> _{0r}	(kN) <i>C</i> _u	Grease lub.	Oil lub.				<i>d</i> _a min,	<i>d</i> _b max,	<i>D</i> _a max,	<i>D</i> _b min,	<i>S</i> _a min,	<i>S</i> _b min,	<i>r</i> _a max,	<i>r</i> _b max,		<i>Y</i> ₁	<i>Y</i> ₀		
35	80	32.75	31	25	2	1.5	121	123	18.0	5 200	7 000	TR0708-1R 32307JR	—	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	126	114	17.3	5 300	7 000		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	42.1	48.5	6.90	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	67.2	71.4	10.3	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	75.9	84.6	12.4	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	103	108	16.1	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	76.6	67.4	9.90	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	78.4	69.2	10.3	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	98.0	93.1	13.7	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	97.0	90.8	13.6	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	135	139	20.8	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	143	143	21.6	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	100	90.2	13.1	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	109	98.5	14.8	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	113	101	15.5	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	140	138	20.2	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	145	139	21.3	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	43.5	52.4	7.45	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	78.8	86.5	12.6	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	87.4	101	14.9	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	110	120	17.9	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	83.1	77.0	11.4	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	83.9	77.4	11.6	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	101	102	15.1	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	105	104	15.6	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
	85	32	32	25	1.5	1.5	139	149	22.3	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	118	118	17.0	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	175	177	27.2	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

[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

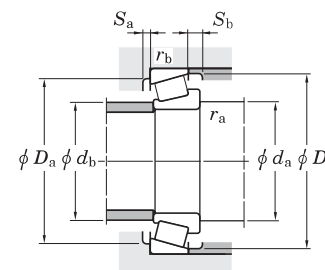
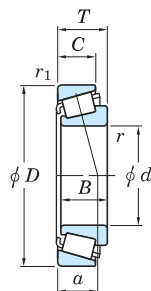


Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit (kN) C_u	Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Con- stant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	$r_{\min}$	$r_1_{\min}$	C_r	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		
45	100	27.25	25	18	2	1.5	119	107	15.8	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	136	119	18.1	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	141	128	19.9	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	181	182	27.0	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	183	180	27.7	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	45.0	56.3	8.00	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	82.7	94.5	13.8	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	91.8	110	16.3	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	112	127	18.9	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	96.7	95.8	14.3	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	95.6	91.7	13.8	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	106	113	16.7	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	106	105	15.9	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	150	167	25.0	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	196	196	30.2	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	141	140	20.3	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	144	133	19.8	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	155	143	21.9	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	172	152	24.0	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	214	234	34.6	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	221	220	34.2	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	55.8	73.3	10.6	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	106	121	18.2	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	121	149	22.6	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
95		30	30	23	1.5	1.5	145	161	24.6	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	112	108	16.2	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	118	113	17.3	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	134	135	20.4	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

[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) ~ (65) mm

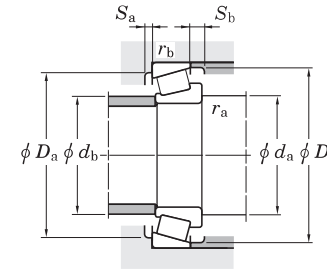
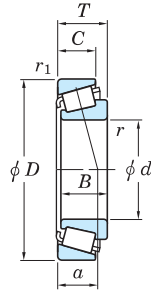


Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) <i>a</i>	Mounting dimensions (mm)								Con- stant <i>e</i>	Axial load factors		(Refer.) Mass (kg)	
<i>d</i>	<i>D</i>	<i>T</i>	<i>B</i>	<i>C</i>	<i>r</i> min,	<i>r</i> ₁ min,	<i>C</i> _r	<i>C</i> _{0r}	(kN) <i>C</i> _u	Grease lub.	Oil lub.				<i>d</i> _a min,	<i>d</i> _b max,	<i>D</i> _a max,	<i>D</i> _b min,	<i>S</i> _a min,	<i>S</i> _b min,	<i>r</i> _a max,	<i>r</i> _b max,		<i>Y</i> ₁	<i>Y</i> ₀		
55	100	26.75	25	21	2	1.5	134	133	20.5	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	178	189	28.9	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	161	164	23.9	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	161	148	22.3	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	180	161	24.8	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	187	170	27.0	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	230	247	36.9	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	214	203	31.8	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	250	250	39.1	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	57.6	78.2	11.3	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	0.306
	95	23	23	17.5	1.5	1.5	108	127	19.0	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	127	162	24.5	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	149	170	25.9	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	127	123	18.8	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	133	127	19.7	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	160	164	25.1	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	164	167	25.9	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	217	239	36.6	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	198	227	34.0	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	229	242	37.7	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	191	194	28.8	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	191	179	27.1	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	211	196	30.5	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
	130	33.5	31	26	3	2.5	217	201	31.9	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	286	310	41.4	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	277	275	38.6	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	306	315	44.1	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	59.2	83.1	12.0	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

[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 (65) ~ (70) mm

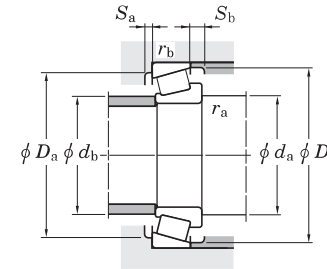
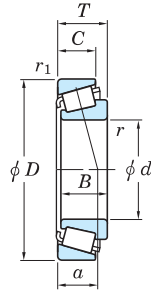


Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) <i>a</i>	Mounting dimensions (mm)								Con- stant <i>e</i>	Axial load factors		(Refer.) Mass (kg)		
<i>d</i>	<i>D</i>	<i>T</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	<i>r</i> ₁ min.	<i>C</i> _r	<i>C</i> _{0r}	(kN) <i>C</i> _u	Grease lub.	Oil lub.				<i>d</i> _a min.	<i>d</i> _b max.	<i>D</i> _a max.	<i>D</i> _b min.	<i>S</i> _a min.	<i>S</i> _b min.	<i>r</i> _a max.	<i>r</i> _b max.		<i>Y</i> ₁	<i>Y</i> ₀			
65	100	23	23	17,5	1,5	1,5	113	137	20,6	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	129	169	25,5	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	191	223	34,3	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	145	139	21,5	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	160	156	24,3	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	190	198	30,4	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	196	203	31,7	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	190	232	34,7	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	250	277	43,0	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	186	211	31,2	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	220	209	31,4	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	241	227	35,1	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	255	239	37,6	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	322	361	49,0	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	313	312	43,4	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	346	357	49,6	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	89,0	115	17,2	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	136	163	24,8	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	168	208	32,3	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	227	266	41,2	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	158	158	24,5	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	173	173	27,1	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	
125		33,25	31	24	2	1,5	197	212	32,6	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	212	225	35,2	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	258	294	45,5	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	291	319	50,0	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	222	242	35,8	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	330	382	51,6	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	

[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) ~ (80) mm



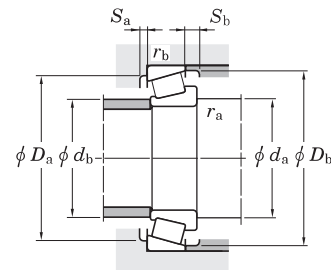
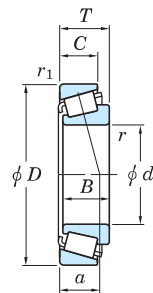
Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit (kN) C_u	Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Con- stant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	$r_{\min}$	$r_{1\min}$	C_r	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		
70	150	38	35	25	3	2.5	246	235	34.9	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	280	256	36.0	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	288	273	42.2	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	321	315	44.1	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	371	391	51.4	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	396	414	57.2	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	92.2	123	18.4	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	139	169	25.8	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	177	225	35.0	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	234	280	43.4	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	171	178	27.4	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	178	181	28.2	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	204	225	34.5	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	218	234	36.4	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	266	310	47.7	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	240	270	39.0	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	266	254	34.2	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	277	266	36.9	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	310	296	42.1	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	325	311	44.9	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	313	298	43.3	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
	160	58	55	43	3	2.5	447	474	61.4	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	454	481	64.6	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	425	444	60.3	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	95.1	131	19.5	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	185	225	34.6	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	218	288	44.8	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	240	294	44.9	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

[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



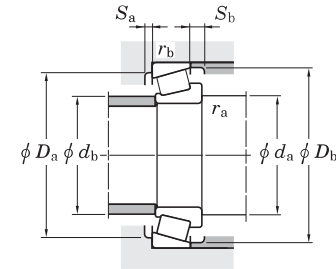
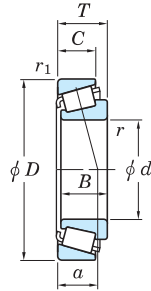
d (80) ~ (90) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No.		Dimension series to ISO355 (Refer.)	Load center (mm) <i>a</i>	Mounting dimensions (mm)								Constant <i>e</i>	Axial load factors		(Refer.) Mass (kg)	
<i>d</i>	<i>D</i>	<i>T</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	<i>r</i> ₁ min.	<i>C</i> _r	<i>C</i> _{0r}	(kN) <i>C</i> _u	Grease lub.	Oil lub.					<i>d</i> _a min.	<i>d</i> _b max.	<i>D</i> _a max.	<i>D</i> _b min.	<i>S</i> _a min.	<i>S</i> _b min.	<i>r</i> _a max.	<i>r</i> _b max.		<i>Y</i> ₁	<i>Y</i> ₀		
80	140	28.25	26	22	2.5	2	202	202	31.2	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	253	271	41.5	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	313	371	56.1	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	333	381	52.0	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	294	282	38.7	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	368	355	49.9	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	345	330	47.1	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	434	440	58.6	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	480	503	67.0	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	122	165	25.0	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	189	234	35.5	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	222	300	46.0	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	282	346	52.2	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	228	231	35.1	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	290	315	47.5	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	368	439	59.1	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	288	265	36.0	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	328	317	42.6	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	396	384	53.0	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	381	367	51.1	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
	180	63.5	60	49	4	3	549	587	77.6	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	126	175	26.2	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	224	276	41.5	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	278	367	55.6	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	324	413	61.1	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	342	405	54.1	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	255	261	39.0	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	329	362	53.7	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

Single-row tapered roller bearings metric series

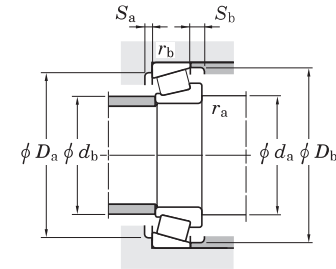
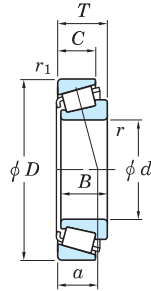
d (90) ~ (100) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit (kN) C_u	Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Con- stant 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		
90	160	55	55	42	2.5	2	430	527	68.3	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	359	350	46.2	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	352	336	44.9	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	432	420	57.1	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	421	407	55.5	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	577	614	78.7	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	130	186	27.4	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	229	287	42.6	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	284	382	57.3	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	353	427	56.4	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	381	473	62.5	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	289	299	44.0	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	389	439	64.1	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	468	582	74.0	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	398	391	50.4	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	396	368	49.2	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	465	455	60.9	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	534	544	70.2	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	646	695	89.2	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
100	140	25	25	20	1.5	1.5	158	217	32.0	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	146	167	24.6	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	233	298	43.8	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	290	397	59.0	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	368	458	59.5	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	408	523	67.4	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	323	338	49.1	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	435	495	63.9	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	540	680	85.8	2 100	2 800	33220JR	3FE	45.7	114	112	168	151	172	10	15	2.5	2	0.40	1.48	0.82	6.92

Single-row tapered roller bearings metric series

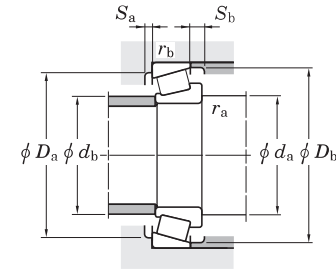
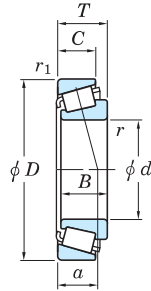
d (100) ~ (110) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) <i>a</i>	Mounting dimensions (mm)								Con- stant <i>e</i>	Axial load factors		(Refer.) Mass (kg)	
<i>d</i>	<i>D</i>	<i>T</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	<i>r</i> ₁ min.	<i>C</i> _r	<i>C</i> _{0r}	(kN) <i>C</i> _u	Grease lub.	Oil lub.				<i>d</i> _a min.	<i>d</i> _b max.	<i>D</i> _a max.	<i>D</i> _b min.	<i>S</i> _a min.	<i>S</i> _b min.	<i>r</i> _a max.	<i>r</i> _b max.		<i>Y</i> ₁	<i>Y</i> ₀		
100	215	51.5	47	34	4	3	397	374	48.5	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	430	400	52.5	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	528	521	68.0	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	465	459	56.4	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	614	637	79.6	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	725	783	96.9	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	160	224	32.6	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	270	344	49.9	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	335	461	67.4	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	453	607	76.0	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	360	380	52.3	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	490	567	73.0	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	622	790	97.4	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	423	396	50.1	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	464	432	56.0	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	581	578	73.6	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	495	489	59.4	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	679	707	86.7	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
	225	81.5	77	63	4	3	794	866	107	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	162	231	33.3	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
160		27	25.5	19.5	3	3	183	225	32.3	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	312	395	56.7	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	360	502	64.9	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	464	634	78.6	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	405	434	58.1	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	547	640	80.4	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	456	429	53.5	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	509	475	60.5	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

Single-row tapered roller bearings metric series

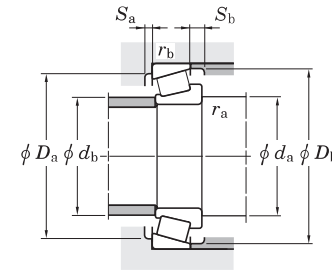
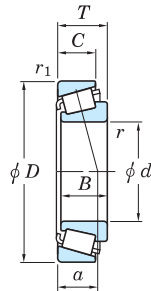
d (110) ~ 130 mm



Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit	Limiting speeds (min ⁻¹)		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) <i>a</i>	Mounting dimensions (mm)								Con- stant <i>e</i>	Axial load factors		(Refer.) Mass (kg)	
<i>d</i>	<i>D</i>	<i>T</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	<i>r</i> ₁ min.	<i>C</i> _r	<i>C</i> _{0r}	(kN) <i>C</i> _u	Grease lub.	Oil lub.				<i>d</i> _a min.	<i>d</i> _b max.	<i>D</i> _a max.	<i>D</i> _b min.	<i>S</i> _a min.	<i>S</i> _b min.	<i>r</i> _a max.	<i>r</i> _b max.		<i>Y</i> ₁	<i>Y</i> ₀		
110	240	54.5	50	42	4	3	601	590	75.2	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	564	563	68.4	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	759	797	97.4	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	865	943	115	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	215	298	42.5	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	206	262	37.0	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	325	427	60.0	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	375	540	68.5	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	581	785	96.1	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	435	473	61.7	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	589	691	84.0	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	536	512	61.5	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	631	611	76.9	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	712	714	89.9	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	657	665	77.8	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	1 000	1 110	131	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	997	1 110	132	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
130	180	32	32	25	2	1.5	251	368	51.2	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	230	282	39.2	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	428	563	77.4	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	489	705	85.8	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	472	511	65.7	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	693	830	99.9	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	604	582	69.9	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	823	834	102	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	734	748	85.7	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	1 070	1 160	134	1 400	1 800	32326	—	69.1	152	163	262	226	259	10	15	4	3	0.35	1.73	0.95	26.5

Single-row tapered roller bearings metric series

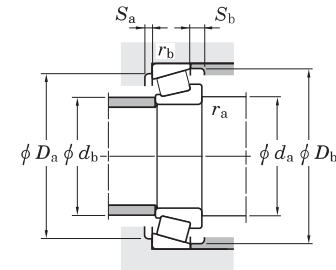
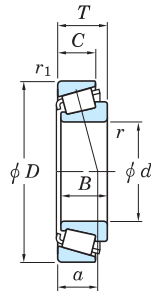
d 140 ~ (170) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit (kN) C _u	Limiting speeds (min ⁻¹)		Bearing No.		Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Con- stant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r _{min}	r _{1min}	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		
140	190	32	32	25	2	1.5	258	390	53.2	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	232	293	39.9	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	435	585	79.2	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	510	758	90.9	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	526	570	71.8	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	796	961	112	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	655	627	74.5	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	938	962	114	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	841	865	99.1	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	1 370	1 570	175	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	358	536	72.1	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	492	668	79.6	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	575	869	101	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	604	664	80.9	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	881	1 070	122	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	768	750	85.7	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	1 050	1 080	129	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
	320	82	75	50	5	4	952	989	110	980	1 400	31330JR		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	1 550	1 790	195	1 200	1 600	32330R		—	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	282	379	50.2	1 500	2 000	T4DB160		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	368	568	75.2	1 500	2 000	32932JR		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	553	758	90.3	1 400	1 900	32032JR		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	679	750	89.3	1 200	1 600	30232JR		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	994	1 210	137	1 200	1 700	32232JR		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	926	933	104	900	1 300	30332D		—	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	1 170	1 220	142	1 100	1 400	30332JR		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	1 530	1 720	187	1 100	1 400	32332		—	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	370	606	78.8	1 400	1 900	32934JR		3DC	42.0	182	183	220	213	222	7	8	2	2	0.38	1.57	0.86	4.49

Single-row tapered roller bearings metric series

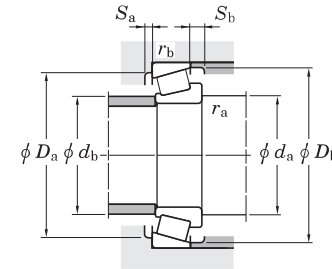
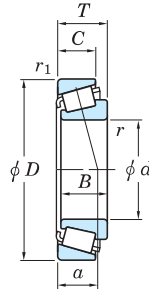
d (170) ~ 200 mm



Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit (kN) C_u	Limiting speeds (min ⁻¹)		Bearing No.		Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Con- stant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	$r_{min.}$	$r_{1min.}$	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		
170	260	57	57	43	3	2.5	661	905	105	1 300	1 700	32034JR		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	776	867	103	1 100	1 500	30234JR		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	1 120	1 380	152	1 100	1 500	32234JR		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	953	1 040	115	830	1 200	30334D		—	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	1 300	1 370	155	1 000	1 300	30334JR		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	1 640	1 830	193	1 000	1 300	32334		—	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	447	735	93.4	1 300	1 700	32936JR		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	810	1 100	127	1 200	1 600	32036JR		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	771	870	102	1 100	1 400	30236JR		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	1 200	1 520	164	1 100	1 500	32236JR		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	1 040	1 150	125	780	1 100	30336D		—	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	1 130	1 110	126	940	1 300	30336		—	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	1 760	1 980	206	960	1 300	32336		—	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	459	789	88.6	1 200	1 600	32938JR		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	823	1 170	131	1 100	1 500	32038JR		4FD	62.9	204	209	278	257	279	10	16	2.5	2	0.44	1.36	0.75	14.7
	340	60	55	46	5	4	912	1 030	118	1 000	1 300	30238JR		4GB	66.4	212	225	322	298	318	12	13	4	3	0.44	1.38	0.76	21.9
	340	97	92	75	5	4	1 370	1 740	187	1 000	1 300	32238JR		4GD	81.9	212	216	322	286	323	12	22	4	3	0.44	1.38	0.76	36.6
	400	86	78	52	6	5	1 190	1 210	131	740	1 000	30338D		—	119.2	218	232	378	350	372	11	34	5	4	0.81	0.74	0.41	44.8
	400	86	78	65	6	5	1 260	1 250	139	880	1 200	30338		—	73.2	218	241	378	342	370	10	20	5	4	0.35	1.73	0.95	46.2
	400	140	132	109	6	5	1 940	2 190	224	890	1 200	32338		—	96.5	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	608	958	109	1 100	1 500	32940JR		3EC	53.6	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	949	1 340	146	1 100	1 400	32040JR		4FD	66.9	214	221	298	273	297	11	17	2.5	2	0.43	1.39	0.77	19.1
	360	64	58	48	5	4	991	1 120	126	940	1 200	30240JR		4GB	70.3	222	238	342	315	336	12	15	4	3	0.44	1.38	0.76	26.4
	360	104	98	82	5	4	1 550	1 880	200	960	1 300	32240JR		3GD	84.6	222	225	342	302	340	11	22	4	3	0.41	1.48	0.81	44.2
	420	89	80	56	6	5	1 130	1 230	132	690	970	30340D		—	122.6	228	248	398	365	385	11	33	5	4	0.81	0.74	0.41	50.6
	420	89	80	67	6	5	1 400	1 450	159	820	1 100	30340		—	79.8	228	255	398	354	385	11	21	5	4	0.35	1.73	0.95	53.5
	420	146	138	115	6	5	2 240	2 580	260	830	1 100	32340		—	102.9	228	240	398	345	395	16	30	5	4	0.35	1.73	0.95	91.0

Single-row tapered roller bearings metric series

d 220 ~ 360 mm



Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit (kN) C_u	Limiting speeds (min^{-1})		Bearing No.		Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Con- stant 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		
220	300	51	51	39	3	2.5	621	1 010	112	1 000	1 400	32944JR		3EC	58.6	234	234	288	275	290	9	12	2.5	2	0.43	1.41	0.78	10.1
	340	76	76	57	4	3	1 120	1 620	175	940	1 300	32044JR		4FD	72.8	238	243	326	300	326	12	19	3	2.5	0.43	1.39	0.77	25.2
	400	72	65	54	5	4	1 260	1 440	160	830	1 100	30244JR		—	76.5	242	263	382	344	371	14	17	4	3	0.44	1.43	0.79	35.9
	400	114	108	90	5	4	1 500	1 930	198	830	1 100	32244		—	95.9	242	260	382	333	377	16	14	4	3	0.43	1.39	0.77	56.8
	460	97	88	73	6	5	1 570	1 680	181	730	980	30344		—	84.6	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	645	1 090	119	940	1 300	32948JR		4EC	64.5	254	254	308	294	311	9	12	2.5	2	0.46	1.31	0.72	10.9
	360	76	76	57	4	3	1 160	1 720	180	870	1 200	32048JR		4FD	78.5	258	261	346	318	346	12	19	3	2.5	0.46	1.31	0.72	26.8
	440	79	72	60	5	4	1 540	1 790	191	730	980	30248R		—	82.7	262	287	422	377	409	14	18	4	3	0.42	1.43	0.79	49.5
	440	127	120	100	5	4	1 920	2 480	245	740	980	32248		—	106.1	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	926	1 550	163	830	1 100	32952JR		3EC	69.6	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	1 470	2 170	221	770	1 000	32052JR		4FC	85.0	282	287	382	352	383	14	22	4	3	0.43	1.38	0.76	39.5
	480	89	80	67	6	5	1 510	1 860	190	650	870	30252		—	93.6	288	310	458	415	450	14	21	5	4	0.42	1.44	0.79	64.9
	480	137	130	106	6	5	2 200	2 870	276	660	880	32252		—	115.2	288	300	458	400	455	16	30	5	4	0.43	1.39	0.77	102
280	380	63.5	63.5	48	3	2.5	949	1 630	168	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	1 510	2 280	230	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	1 580	1 920	196	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	2 340	3 150	297	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	1 320	2 210	223	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	1 800	2 660	263	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	1 890	2 360	240	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	1 330	2 270	226	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	1 900	2 810	273	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	2 190	2 770	273	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	1 340	2 340	229	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	1 350	2 400	231	560	740	32972JR		4FD	96.2	378	379	466	438	466	12	19	3	2.5	0.46	1.31	0.72	37.1