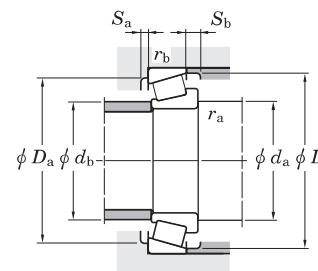
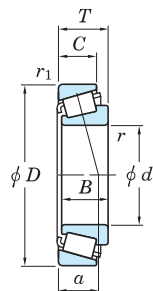


Single-row tapered roller bearings  
metric series

d 15 ~ 22 mm

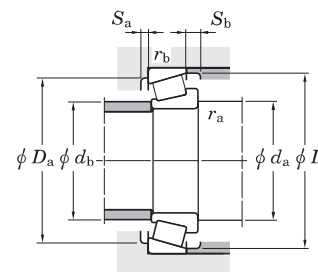
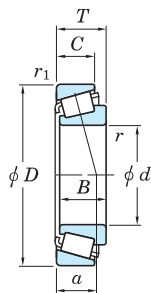


Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN) Cu	Limiting speeds (min <sup>-1</sup> )		Bearing No. <sup>1)</sup>	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)	
d	D	T	B	C	r <sub>min.</sub>	r <sub>1 min.</sub>	Cr		C <sub>0r</sub>	Grease lub.				Oil lub.	d <sub>a min.</sub>	d <sub>b max.</sub>	D <sub>a max.</sub>	D <sub>b min.</sub>	S <sub>a min.</sub>	S <sub>b min.</sub>	r <sub>a max.</sub>		r <sub>b max.</sub>	Y <sub>1</sub>		Y <sub>0</sub>
15	35	11.75	11	10	0.6	0.6	19.8	14.5	2.00	12 000	16 000	—	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	27.4	19.2	2.65	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	26.0	20.7	2.85	10 000	14 000	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	34.3	27.5	3.85	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	34.2	24.5	3.45	9 200	12 000	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	34.2	24.5	3.45	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	39.9	29.9	4.25	9 400	13 000	—	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	45.7	35.9	5.10	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	34.1	31.5	4.35	9 700	13 000	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	34.2	25.5	3.75	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	33.8	27.2	3.80	8 700	12 000	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	41.4	34.7	4.90	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	41.6	37.0	5.00	9 100	12 000	—	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	43.3	28.4	4.65	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	45.3	35.1	5.05	8 300	11 000	—	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	52.3	44.9	6.05	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	56.5	46.7	6.70	8 400	11 000	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	35.4	33.6	4.65	9 100	12 000	3CC	11.0	26.5	27	39.5	38	41	3	3.5	0.6	0.6	0.40	1.51	0.83	0.108
	47	17	17.5	13.5	1	1	40.9	35.9	5.05	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	32.1	25.7	3.50	8 400	11 000	—	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	36.5	30.9	4.30	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	43.8	39.1	5.35	8 400	11 000	—	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	46.0	41.6	5.85	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	43.0	33.9	4.70	7 700	10 000	—	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	52.2	41.1	5.95	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	60.4	50.6	7.00	8 000	11 000	—	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	63.3	52.7	7.70	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

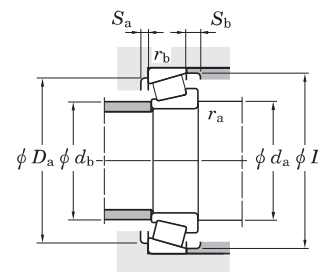
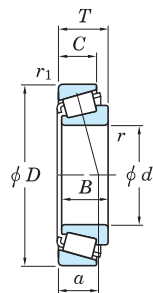


Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN) Cu	Limiting speeds (min <sup>-1</sup> )		Bearing No. <sup>1)</sup>	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)		
d	D	T	B	C	r min.	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	
25	47	15	15	11.5	0.6	0.6	37.8	37.7	5.20	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	42.0	42.3	5.95	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	38.0	32.4	4.45	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	39.3	33.7	4.75	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	45.5	43.2	5.90	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	49.7	44.8	6.35	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	61.1	58.5	8.25	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	49.7	42.5	5.80	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	56.3	45.8	6.50	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	60.3	46.9	6.90	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	71.6	65.8	9.20	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	76.6	64.1	9.50	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	44.1	44.0	6.10	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	0.150
	58	17.25	16	13	1	1	48.5	41.7	5.85	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	48.5	42.0	6.00	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	56.1	54.1	7.50	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	61.5	55.2	7.95	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	71.9	69.5	10.0	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	64.6	50.2	7.25	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	66.9	54.0	8.00	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	83.2	72.9	10.5	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	87.0	75.6	11.3	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	47.9	48.0	6.75	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	54.1	55.2	7.90	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	52.9	45.1	6.35	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	51.8	44.8	6.45	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	64.6	59.0	8.30	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
	62	21.25	20	17	1	1	63.3	57.9	8.40	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

[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

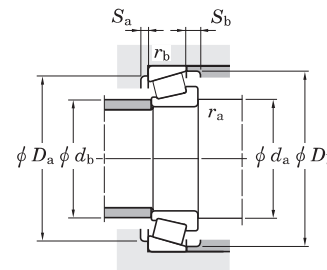
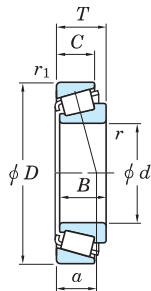


Boundary dimensions (mm)					Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		Bearing No. <sup>1)</sup>	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)		
d	D	T	B	C	r <sub>min.</sub>	r <sub>1 min.</sub>	C <sub>r</sub>	C <sub>0r</sub>	C <sub>u</sub>				Grease lub.	Oil lub.	d <sub>a min.</sub>	d <sub>b max.</sub>	D <sub>a max.</sub>	D <sub>b min.</sub>	S <sub>a min.</sub>	S <sub>b min.</sub>		r <sub>a max.</sub>	r <sub>b max.</sub>		Y <sub>1</sub>	Y <sub>0</sub>
30	62	25	25	19.5	1	1	83.1	79.4	11.6	6 500	8 700	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	63.5	54.9	7.70	4 900	6 800	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	71.2	55.6	8.10	5 900	7 900	—	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	74.4	60.1	9.00	5 800	7 700	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	100	93.8	13.4	6 000	8 000	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	103	91.6	13.8	5 900	7 900	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
	72	28.75	27	23	1.5	1.5	103	91.6	13.8	5 900	7 900	—	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	49.2	50.6	7.10	6 700	8 900	4CC	14.3	37.5	38	52.5	50	55	3	4	1	1	0.45	1.32	0.73	0.196
	65	18.25	17	14	1	1	59.3	51.5	7.35	6 200	8 300	—	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	60.1	51.4	7.45	6 200	8 200	—	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	69.6	65.1	9.20	6 300	8 400	—	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	64.5	57.7	8.45	6 200	8 200	—	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	89.7	86.9	12.8	6 200	8 300	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	79.4	66.3	9.70	5 600	7 400	—	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	80.5	65.6	9.90	5 500	7 300	—	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	93.8	87.1	12.6	5 600	7 400	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	112	101	15.3	5 600	7 400	—	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	32.8	36.5	5.10	6 600	8 800	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	57.0	59.4	8.40	6 200	8 200	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	51.3	53.8	7.70	6 200	8 200	—	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	64.3	68.0	9.85	6 200	8 200	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	66.1	56.2	8.10	5 700	7 600	—	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	68.8	60.9	8.95	5 600	7 400	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	86.3	86.6	12.3	5 700	7 600	—	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	86.9	82.4	12.2	5 600	7 500	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	110	107	15.8	5 700	7 500	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	78.7	69.1	9.85	4 300	6 000	7FB	26.8	45	44	70	66	76.5	3	7.5	2	1.5	0.83	0.73	0.40	0.536
	80	22.75	21	18	2	1.5	87.2	77.8	11.4	5 200	7 000	—	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	95.2	78.9	12.0	5 200	6 900	2FB	16.9	45	45	70	70	74	3	4.5	2	1.5	0.31	1.90	1.05	0.527

[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

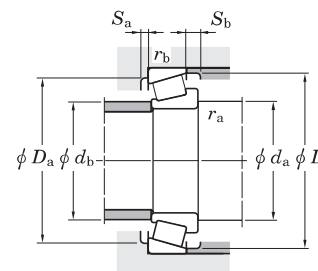
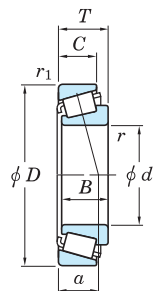


Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		Bearing No. <sup>1)</sup>	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)		
d	D	T	B	C	r <sub>min.</sub>	r <sub>1 min.</sub>	C <sub>r</sub>	C <sub>0r</sub>	C <sub>u</sub>	Grease lub.				Oil lub.	d <sub>a min.</sub>	d <sub>b max.</sub>	D <sub>a max.</sub>	D <sub>b min.</sub>	S <sub>a min.</sub>	S <sub>b min.</sub>	r <sub>a max.</sub>		r <sub>b max.</sub>	Y <sub>1</sub>		Y <sub>0</sub>	
35	80	32.75	31	25	2	1.5	121	123	18.0	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	126	114	17.3	5 300	7 000			32307JR	2FE	20.6	45	44	70	66	74	3	7.5	2	1.5	0.31	1.90
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

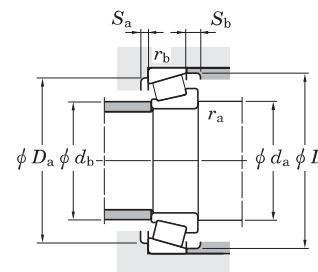
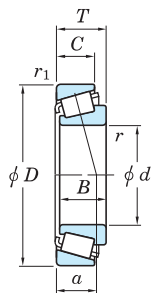


Boundary dimensions (mm)					Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		Bearing No. <sup>1)</sup>	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)		
d	D	T	B	C	r <sub>min.</sub>	r <sub>1 min.</sub>	C <sub>r</sub>	C <sub>0r</sub>	C <sub>u</sub>				Grease lub.	Oil lub.	d <sub>a min.</sub>	d <sub>b max.</sub>	D <sub>a max.</sub>	D <sub>b min.</sub>	S <sub>a min.</sub>	S <sub>b min.</sub>		r <sub>a max.</sub>	r <sub>b max.</sub>		Y <sub>1</sub>	Y <sub>0</sub>
45	100	27.25	25	18	2	1.5	119	107	15.8	3 400	4 700	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	—	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	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	—	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	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	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	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	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	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	—	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	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	—	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	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	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	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	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	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	—	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	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	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	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	2BC	14.5	61	61	74	72	76	3	3	1	1	0.31	1.94	1.07	0.285
	90	23	23	17.5	1.5	1.5	106	121	18.2	4 100	5 500	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	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	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	—	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	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	—	25.9	65	64	90	83	96	4	5.5	2	1.5	0.55	1.10	0.60	0.875

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Single-row tapered roller bearings  
metric series

d (55) ~ (65) mm

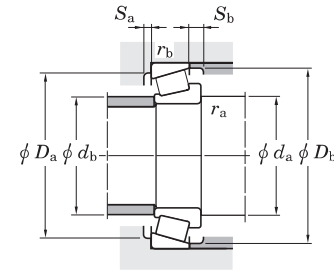
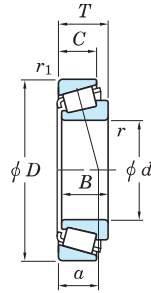


Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		Bearing No. <sup>1)</sup>	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)		
d	D	T	B	C	r min.	r1 min.	Cr	C0r	Cu	Grease lub.				Oil lub.	da min.	db max.	Da max.	Db min.	Sa min.	Sb min.	ra max.		rb max.	Y1		Y0	
55	100	26.75	25	21	2	1.5	134	133	20.5	3 900	5 200	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	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	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	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	—	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	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	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	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	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	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	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	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	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	—	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	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	—	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	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	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	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	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	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	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	—	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	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	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	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	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	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

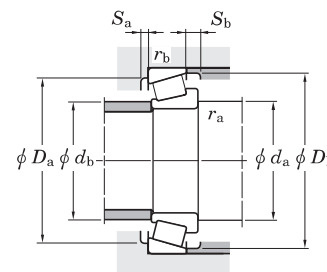
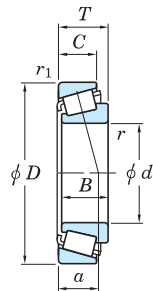


Boundary dimensions (mm)					Basic load ratings (kN)		Fatigue load limit (kN) $C_u$	Limiting speeds (min <sup>-1</sup> )		Bearing No. <sup>1)</sup>	Dimension series to ISO355 (Refer.)	Load center (mm) $a$	Mounting dimensions (mm)						Constant $e$	Axial load factors		(Refer.) Mass (kg)					
$d$	$D$	$T$	$B$	$C$	$r_{min.}$	$r_{1min.}$		$C_r$	$C_{0r}$				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.	$Y_1$	$Y_0$	
65	100	23	23	17.5	1.5	1.5	113	137	20.6	3 600	4 800	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
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



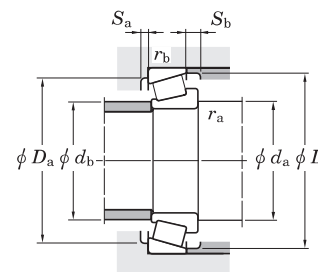
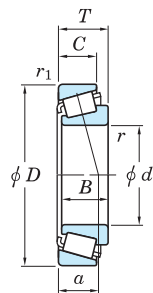
<i>d</i>	Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		Bearing No. <sup>1)</sup>	Dimension series to ISO355 (Refer.)	Load center (mm) <i>a</i>	Mounting dimensions (mm)								Constant <i>e</i>	Axial load factors		(Refer.) Mass (kg)	
	<i>D</i>	<i>T</i>	<i>B</i>	<i>C</i>	<i>r</i> <sub>min.</sub>	<i>r</i> <sub>1 min.</sub>	<i>C<sub>r</sub></i>	<i>C<sub>0r</sub></i>	<i>C<sub>u</sub></i>	Grease lub.	Oil lub.				<i>d<sub>a</sub></i> <sub>min.</sub>	<i>d<sub>b</sub></i> <sub>max.</sub>	<i>D<sub>a</sub></i> <sub>max.</sub>	<i>D<sub>b</sub></i> <sub>min.</sub>	<i>S<sub>a</sub></i> <sub>min.</sub>	<i>S<sub>b</sub></i> <sub>min.</sub>	<i>r<sub>a</sub></i> <sub>max.</sub>	<i>r<sub>b</sub></i> <sub>max.</sub>		<i>Y<sub>1</sub></i>	<i>Y<sub>0</sub></i>		
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
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

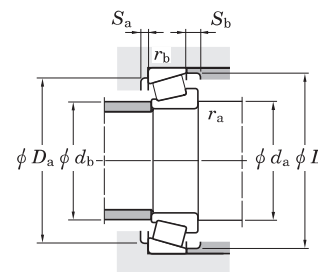
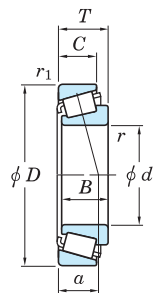
$d$  (80) ~ (90) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		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	Cu	Grease lub.	Oil lub.				da min.	db max.	Da max.	Db min.	Sa min.	Sb min.	ra max.	rb max.		Y1	Y0		
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	30316JR	—	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
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

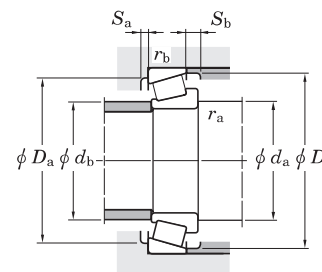
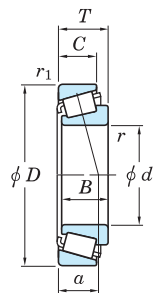
$d$  (90) ~ (100) mm



Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		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 <sub>min.</sub>	r <sub>1 min.</sub>	C <sub>r</sub>	C <sub>0r</sub>	C <sub>u</sub>	Grease lub.				Oil lub.	d <sub>a min.</sub>	d <sub>b max.</sub>	D <sub>a max.</sub>	D <sub>b min.</sub>	S <sub>a min.</sub>	S <sub>b min.</sub>	r <sub>a max.</sub>		r <sub>b max.</sub>	Y <sub>1</sub>		Y <sub>0</sub>	
<b>90</b>	160	55	55	42	2.5	2	430	527	68.3	2 400	3 200	<b>33218JR</b>	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	<b>30318DJR</b>	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	<b>30318DR</b>	—	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	<b>30318JR</b>	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	<b>30318R</b>	—	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	<b>32318JR</b>	2GD	46.6	108	108	176	157	177	5	14.5	3	2.5	0.35	1.74	0.96	8.61
<b>95</b>	130	23	23	18	1.5	1.5	130	186	27.4	2 600	3 500	<b>32919JR</b>	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	<b>32019JR</b>	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	<b>33019JR</b>	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	<b>T2ED095</b>	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	<b>33119JR</b>	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	<b>30219JR</b>	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	<b>32219JR</b>	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	<b>33219JR</b>	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	<b>30319DJR</b>	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	<b>30319</b>	—	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	<b>30319JR</b>	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	<b>32319</b>	—	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	<b>32319JR</b>	2GD	49.8	113	115	186	166	186	5	16.5	3	2.5	0.35	1.74	0.96	10.1
	<b>100</b>	140	25	25	20	1.5	1.5	158	217	32.0	2 400	3 300	<b>32920JR</b>	2CC	24.0	109	108	131	128	135	5	5	1.5	1.5	0.33	1.82	1.00
145		24	22.5	17.5	3	3	146	167	24.6	2 400	3 200	<b>T4CB100</b>	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	<b>32020JR</b>	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	<b>33020JR</b>	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	<b>T2EE100</b>	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	<b>33120JR</b>	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	<b>30220JR</b>	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	<b>32220JR</b>	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	<b>33220JR</b>	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

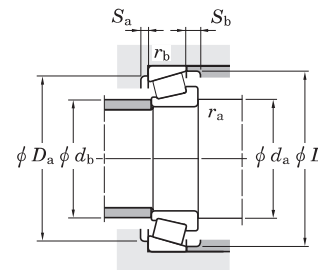
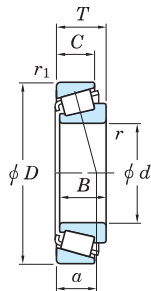
d (100) ~ (110) mm



Boundary dimensions (mm)					Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		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 <sub>min.</sub>	r <sub>1 min.</sub>	C <sub>r</sub>	C <sub>0r</sub>	C <sub>u</sub>				Grease lub.	Oil lub.	d <sub>a min.</sub>	d <sub>b max.</sub>	D <sub>a max.</sub>	D <sub>b min.</sub>	S <sub>a min.</sub>	S <sub>b min.</sub>		r <sub>a max.</sub>	r <sub>b max.</sub>		Y <sub>1</sub>	Y <sub>0</sub>
100	215	51.5	47	34	4	3	397	374	48.5	1 500	2 100	—	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	—	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	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	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	—	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	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	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	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	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	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	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	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	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	—	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	—	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	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	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	—	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	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	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	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	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	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	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	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	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	—	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	—	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

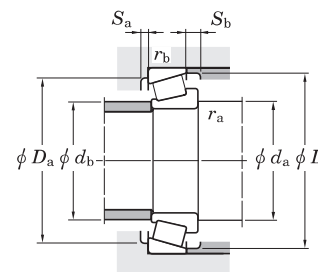
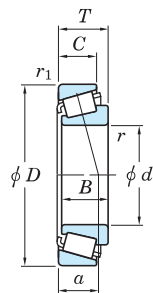
$d$  (110) ~ 130 mm



$d$	Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN) $C_u$	Limiting speeds (min <sup>-1</sup> )		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) $a$	Mounting dimensions (mm)								Constant $e$	Axial load factors		(Refer.) Mass (kg)	
	$D$	$T$	$B$	$C$	$r_{min.}$	$r_{1min.}$	$C_r$	$C_{0r}$		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.		$Y_1$	$Y_0$		
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
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

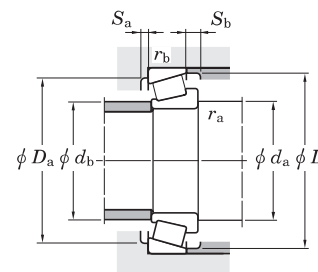
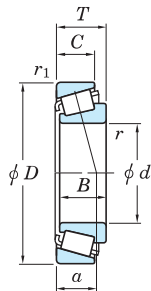
$d$  140 ~ (170) mm



Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm)	Mounting dimensions (mm)								Constant $e$	Axial load factors		(Refer.) Mass (kg)		
$d$	$D$	$T$	$B$	$C$	$r_{min.}$	$r_{1min.}$	$C_r$	$C_{0r}$	$C_u$	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	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	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

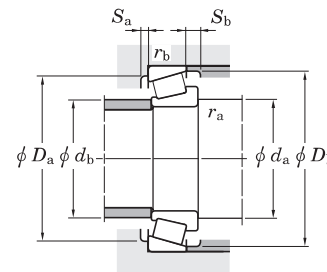
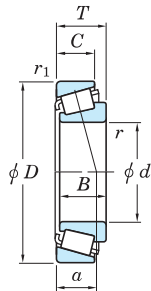
$d$  (170) ~ 200 mm



Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN)	Limiting speeds (min <sup>-1</sup> )		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 <sub>min.</sub>	r <sub>1 min.</sub>	C <sub>r</sub>	C <sub>0r</sub>	C <sub>u</sub>	Grease lub.				Oil lub.	d <sub>a min.</sub>	d <sub>b max.</sub>	D <sub>a max.</sub>	D <sub>b min.</sub>	S <sub>a min.</sub>	S <sub>b min.</sub>	r <sub>a max.</sub>		r <sub>b max.</sub>	Y <sub>1</sub>		Y <sub>0</sub>
<b>170</b>	260	57	57	43	3	2.5	661	905	105	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	776	867	103	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	1 120	1 380	152	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	953	1 040	115	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	1 300	1 370	155	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	1 640	1 830	193	1 000	1 300	—	86.1	192	200	342	295	337	14	26	4	3	0.35	1.73	0.95	56.9
<b>180</b>	250	45	45	34	2.5	2	447	735	93.4	1 300	1 700	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	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	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	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	—	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	—	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	—	91.8	202	215	362	310	355	14	27	4	3	0.35	1.73	0.95	67.0
<b>190</b>	260	45	45	34	2.5	2	459	789	88.6	1 200	1 600	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	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	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	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	—	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	—	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	—	96.5	218	225	378	330	375	14	30	5	4	0.35	1.73	0.95	76.6
<b>200</b>	280	51	51	39	3	2.5	608	958	109	1 100	1 500	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	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	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	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	—	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	—	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	—	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



d	Boundary dimensions (mm)						Basic load ratings (kN)		Fatigue load limit (kN) Cu	Limiting speeds (min <sup>-1</sup> )		Bearing No.	Dimension series to ISO355 (Refer.)	Load center (mm) a	Mounting dimensions (mm)								Constant e	Axial load factors		(Refer.) Mass (kg)			
	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				
220	300	51	51	39	3	2.5	621	1 010	112	1 000	1 400	32944JR 32044JR 30244JR	3EC 4FD —	58.6 72.8 76.5	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				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				—	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 30344	— —	95.9 84.6	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				—	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 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	1 160	1 720	180	870	1 200				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				—	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				—	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 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	1 470	2 170	221	770	1 000				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				—	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				—	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 32056JR 30256 32256	4EC 4FC — —	75.1 91.1 96.2 117.2	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				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				—	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				—	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 32060JR 30260	3FD 4GD —	79.9 97.9 103.9	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				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				—	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 32064JR 30264	3FD 4GD —	85.0 103.0 111.9	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				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				—	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		