



Ball & Roller Bearings



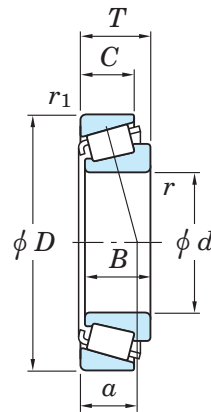
JTEKT

JTEKT CORPORATION

CAT. NO. B2001E-3

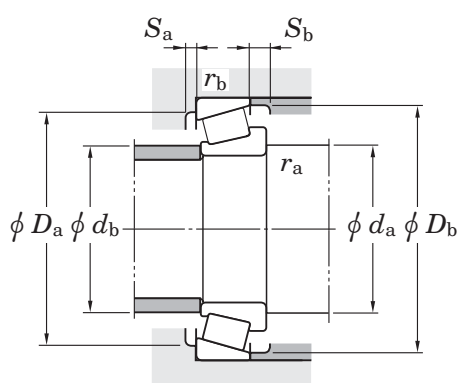
Single-row tapered roller bearings metric series

d 25 ~ (30) mm



Boundary dimensions (mm)							Basic load ratings (kN)		Limiting speeds (min ⁻¹)		Bearing No. ¹⁾	
d	D	T	B	C	r min.	r_1 min.	C_r	C_{0r}	Grease lub.	Oil lub.		
25	47	15	15	11.5	0.6	0.6	30.2	37.7	8 300	11 000	32005JR	
	47	17	17	14	0.6	0.6	33.5	42.3	8 300	11 000	33005JR	
	52	16.25	15	12	1	1	30.4	32.4	7 900	11 000	30205XR	
	52	16.25	15	13	1	1	31.5	33.7	7 800	10 000	30205JR	
	52	19.25	18	16	1	1	36.4	43.2	7 900	11 000	32205XR	
	52	19.25	18	16	1	1	39.8	44.8	7 900	11 000	32205JR	
	52	22	22	18	1	1	48.9	58.5	7 900	10 000	33205JR	
	62	18.25	17	13	1.5	1.5	39.8	42.5	5 700	8 000	30305DJR	
	62	18.25	17	14	1.5	1.5	45.0	45.8	6 700	9 000	TR0506R	
	62	18.25	17	15	1.5	1.5	48.2	46.9	6 800	9 000	30305JR	
	62	25.25	24	19	1.5	1.5	57.2	65.8	7 000	9 300	32305XR	
	62	25.25	24	20	1.5	1.5	61.2	64.1	6 900	9 100	32305JR	
28	52	16	16	12	1	1	35.2	44.0	7 500	10 000	320/28JR	
	58	17.25	16	13	1	1	38.8	41.7	7 000	9 300	302/28CR	
	58	17.25	16	14	1	1	38.8	42.0	7 000	9 300	302/28R	
	58	20.25	19	16	1	1	44.9	54.1	7 100	9 400	322/28CR	
	58	20.25	19	16	1	1	49.2	55.2	6 900	9 100	322/28R	
	58	24	24	19	1	1	57.6	69.5	7 000	9 300	332/28JR	
	68	19.75	18	14	1.5	1.5	51.7	50.2	6 200	8 200	303/28CR	
	68	19.75	18	16	1.5	1.5	53.5	54.0	6 100	8 200	303/28R	
	68	25.75	24	20	1.5	1.5	66.5	72.9	6 300	8 500	323/28CR	
	68	25.75	24	21	1.5	1.5	69.6	75.6	6 100	8 100	323/28R	
30	55	17	17	13	1	1	38.2	48.0	7 000	9 400	32006JR	
	55	20	20	16	1	1	43.2	55.2	7 000	9 400	33006JR	
	62	17.25	16	13	1	1	42.3	45.1	6 500	8 700	30206CR	
	62	17.25	16	14	1	1	41.5	44.8	6 500	8 700	30206JR	
	62	21.25	20	16	1	1	51.7	59.0	6 600	8 900	32206XR	

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



	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_a</i>	<i>d_b</i>	<i>D_a</i>		<i>D_b</i>	<i>S_a</i>	<i>S_b</i>	<i>r_a</i>		<i>r_b</i>	<i>Y₁</i>		<i>Y₀</i>	
			min.	max.	max.	min.	min.	min.	min.	max.		max.				
	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	
	2CE	10.9	29.5	30	42.5	41	44	3	3	0.6	0.6	0.29	2.07	1.14	0.131	
	—	14.9	30.5	30	46.5	41	49	2	4	1	1	0.58	1.04	0.57	0.155	
	3CC	12.9	30.5	31	46.5	44	48	2	3	1	1	0.37	1.60	0.88	0.156	
	—	16.2	30.5	30	46.5	40	50	2	3	1	1	0.55	1.10	0.60	0.200	
	2CD	13.5	30.5	31	46.5	43	48	2	4	1	1	0.36	1.67	0.92	0.188	
	2DE	14.1	30.5	30	46.5	43	49	4	4	1	1	0.35	1.71	0.94	0.225	
	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	
	—	16.3	33.5	35	53.5	50	58	3	4	1.5	1.5	0.55	1.10	0.60	0.275	
	2FB	12.9	33.5	34	54	54	57	2	3	1.5	1.5	0.30	2.00	1.10	0.273	
	—	18.9	33.5	33	53.5	46	58	3	6	1.5	1.5	0.55	1.10	0.60	0.390	
	2FD	16.6	33.5	33	53.5	52	57	3	5	1.5	1.5	0.30	2.00	1.10	0.386	
	4CC	12.7	33.5	33	46.5	45	49	3	4	1	1	0.43	1.39	0.77	0.150	
	—	16.0	33.5	34	52.5	47	55	2	4	1	1	0.55	1.10	0.60	0.205	
	—	13.4	33.5	35	52.5	49	54	2	3	1	1	0.37	1.60	0.88	0.209	
	—	17.0	33.5	33	52.5	45	55	3	4	1	1	0.55	1.10	0.60	0.255	
	—	15.0	33.5	35	52.5	49	54.5	2	4	1	1	0.37	1.60	0.88	0.244	
	2DE	15.4	33.5	34	52.5	49	55	4	5	1	1	0.34	1.77	0.97	0.302	
	—	17.8	36.5	37	59.5	55	64	3	4.5	1.5	1.5	0.55	1.10	0.60	0.332	
	—	14.9	36.5	38	59.5	58	63	2	3.5	1.5	1.5	0.32	1.88	1.04	0.345	
	—	20.5	36.5	35	59.5	51	64	3	5.5	1.5	1.5	0.55	1.10	0.60	0.480	
	—	17.6	36.5	38	59.5	57	63	3	4.5	1.5	1.5	0.32	1.88	1.04	0.469	
		4CC	13.6	35.5	35	49.5	47	52	3	4	1	1	0.43	1.39	0.77	0.177
		2CE	13.0	35.5	36	49.5	48	52	3	4	1	1	0.29	2.06	1.13	0.203
—		16.5	35.5	36	56.5	51	59	2	4	1	1	0.55	1.10	0.60	0.230	
3DB		14.1	35.5	37	56.5	53	57	2	3	1	1	0.37	1.60	0.88	0.236	
—		18.0	35.5	36	56.5	49	59	3	5	1	1	0.55	1.10	0.60	0.300	