



Ball & Roller Bearings



JTEKT

JTEKT CORPORATION

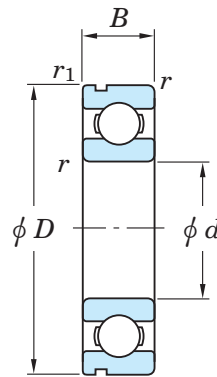
CAT. NO. B2001E-3

Single-row deep groove ball bearings

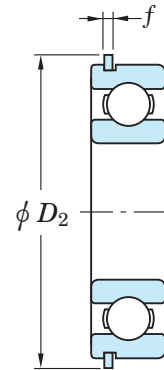
snap ring groove type

locating snap ring type

d 10 ~ 32 mm



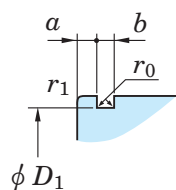
N
With snap
ring groove



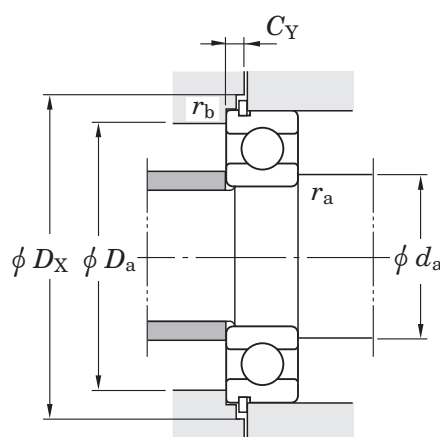
NR
With locating
snap ring

Boundary dimensions (mm)					Basic load ratings (kN)		Factor	Limiting speeds (min ⁻¹)		Bearing No.		D_1 max.
d	D	B	$r_{\min.}$	$r_{1\min.}$	C_r	C_{0r}	f_0	Grease lub.	Oil lub.	With snap ring groove	With locating snap ring	
10	30	9	0.6	0.3	5.10	2.40	13.2	24 000	29 000	6200N	6200NR	28.17
	35	11	0.6	0.5	8.10	3.45	11.2	22 000	27 000	6300N	6300NR	33.17
12	32	10	0.6	0.3	6.80	3.05	12.3	22 000	27 000	6201N	6201NR	30.15
	37	12	1	0.5	9.70	4.20	11.1	20 000	25 000	6301N	6301NR	34.77
15	35	11	0.6	0.5	7.65	3.75	13.2	20 000	24 000	6202N	6202NR	33.17
	42	13	1	0.5	11.4	5.45	12.3	17 000	20 000	6302N	6302NR	39.75
17	40	12	0.6	0.5	9.55	4.80	13.2	17 000	21 000	6203N	6203NR	38.1
	47	14	1	0.5	13.6	6.65	12.4	15 000	18 000	6303N	6303NR	44.6
20	42	12	0.6	0.5	9.40	5.05	13.9	17 000	21 000	6004N	6004NR	39.75
	47	14	1	0.5	12.8	6.65	13.2	15 000	17 000	6204N	6204NR	44.6
	52	15	1.1	0.5	15.9	7.85	12.3	14 000	17 000	6304N	6304NR	49.73
22	44	12	0.6	0.5	9.40	5.15	14.1	17 000	20 000	60/22N	60/22NR	41.75
	50	14	1	0.5	12.8	6.65	13.2	15 000	17 000	62/22N	62/22NR	47.6
	56	16	1.1	0.5	18.5	9.40	12.6	13 000	15 000	63/22N	63/22NR	53.6
25	47	12	0.6	0.5	10.1	5.85	14.5	15 000	18 000	6005N	6005NR	44.6
	52	15	1	0.5	14.0	7.85	13.9	13 000	15 000	6205N	6205NR	49.73
	62	17	1.1	0.5	20.6	11.3	13.2	11 000	13 000	6305N	6305NR	59.61
28	52	12	0.6	0.5	12.4	7.40	14.5	14 000	16 000	60/28N	60/28NR	49.73
	58	16	1	0.5	17.9	9.75	13.4	12 000	14 000	62/28N	62/28NR	55.6
	68	18	1.1	0.5	23.5	13.1	13.3	10 000	12 000	63/28N	63/28NR	64.82
30	55	13	1	0.5	13.2	8.25	14.7	13 000	15 000	6006N	6006NR	52.6
	62	16	1	0.5	19.5	11.3	13.9	11 000	13 000	6206N	6206NR	59.61
	72	19	1.1	0.5	26.7	15.0	13.3	9 600	12 000	6306N	6306NR	68.81
32	58	13	1	0.5	15.0	9.15	14.5	12 000	14 000	60/32N	60/32NR	55.6
	65	17	1	0.5	23.5	13.1	13.3	10 000	12 000	62/32N	62/32NR	62.6
	75	20	1.1	0.5	30.1	16.2	12.7	9 300	11 000	63/32N	63/32NR	71.83

[Remark] Standard cage types used for the above bearings are described earlier in this section.



Snap ring
groove details



With locating snap
ring and one shield

Dimensions of snap ring groove (mm)			Dimensions of locating snap ring (mm)		Mounting dimensions (mm)						(Refer.) Mass (kg)	(Refer.) Bearing No.
a	b	r ₀	D ₂	f	d _a	D _a	D _X	C _Y	r _a	r _b		
max.	±0.15	max.	max.	±0.05	min.	max.	min.	max.	max.	max.		
2.06	1.5	0.4	34.7	1.07	14	26	35.5	2.92	0.6	0.3	0.032	6200N
2.06	1.5	0.4	39.7	1.07	14	31	40.5	2.92	0.6	0.5	0.053	6300N
2.06	1.5	0.4	36.7	1.07	16	28	37.5	2.92	0.6	0.3	0.037	6201N
2.06	1.5	0.4	41.3	1.07	17	32	42	2.92	1	0.5	0.060	6301N
2.06	1.5	0.4	39.7	1.07	19	31	40.5	2.92	0.6	0.5	0.045	6202N
2.06	1.5	0.4	46.3	1.07	20	37	47	2.92	1	0.5	0.082	6302N
2.06	1.5	0.4	44.6	1.07	21	36	45.5	2.92	0.6	0.5	0.065	6203N
2.46	1.5	0.4	52.7	1.07	22	42	53.5	3.33	1	0.5	0.115	6303N
2.06	1.5	0.4	46.3	1.07	24	38	47	2.92	0.6	0.5	0.069	6004N
2.46	1.5	0.4	52.7	1.07	25	42	53.5	3.33	1	0.5	0.106	6204N
2.46	1.5	0.4	57.9	1.07	26.5	45.5	58.5	3.33	1	0.5	0.144	6304N
2.06	1.5	0.4	48.3	1.07	26	40	49	2.92	0.6	0.5	0.073	60/22N
2.46	1.5	0.4	55.7	1.07	27	45	56.5	3.33	1	0.5	0.118	62/22N
2.46	1.5	0.4	61.7	1.07	28.5	49.5	62.5	3.33	1	0.5	0.201	63/22N
2.06	1.5	0.4	52.7	1.07	29	43	53.5	2.92	0.6	0.5	0.080	6005N
2.46	1.5	0.4	57.9	1.07	30	47	58.5	3.33	1	0.5	0.128	6205N
3.28	2.05	0.6	67.7	1.65	31.5	55.5	68.5	4.67	1	0.5	0.232	6305N
2.06	1.5	0.4	57.9	1.07	32	48	58.5	2.92	0.6	0.5	0.097	60/28N
2.46	1.5	0.4	63.7	1.07	33	53	64.5	3.33	1	0.5	0.173	62/28N
3.28	2.05	0.6	74.6	1.65	34.5	61.5	76	4.67	1	0.5	0.328	63/28N
2.08	1.5	0.4	60.7	1.07	35	50	61.5	2.9	1	0.5	0.116	6006N
3.28	2.05	0.6	67.7	1.65	35	57	68.5	4.67	1	0.5	0.199	6206N
3.28	2.05	0.6	78.6	1.65	36.5	65.5	80	4.67	1	0.5	0.346	6306N
2.08	1.5	0.4	63.7	1.07	37	53	64.5	2.9	1	0.5	0.127	60/32N
3.28	2.05	0.6	70.7	1.65	37	60	71.5	4.67	1	0.5	0.228	62/32N
3.28	2.05	0.6	81.6	1.65	38.5	68.5	83	4.67	1	0.5	0.437	63/32N