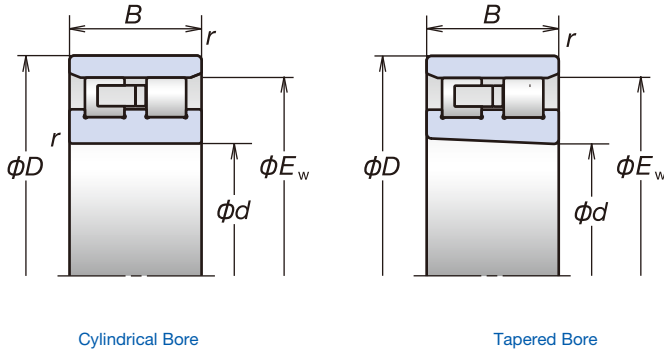


2. Cylindrical Roller Bearings

Bore Diameter 25-65mm

Double-Row Cylindrical Roller Bearings



Bearing Numbers (°)(°)	Boundary Dimensions (mm)				Basic Load Ratings (kN)		E _w (mm) (reference)	Mass (kg) (approx.)	Limiting Speeds (°) (min ⁻¹)	
	d	D	B	r (min.)	C _r (Dynamic)	C _{0r} (Static)			Grease	Oil
* NN3005MBKR	25	47	16	0.6	25.8	30.0	41.3	0.121	20 900	25 000
* NN3006MBKR	30	55	19	1	31.0	37.0	48.5	0.186	17 700	21 200
* NN3006TBKR	30	55	19	1	31.0	37.0	48.5	0.171	20 000	23 600
* NN3006ZTBKR	30	55	19	1	18.3	18.6	48.5	0.152	21 000	27 900
* NN3007MBKR	35	62	20	1	39.5	50.0	55	0.297	15 500	18 600
* NN3007TBKR	35	62	20	1	39.5	50.0	55	0.227	17 600	20 700
* NN3007ZTBKR	35	62	20	1	23.3	25.0	55	0.198	18 400	24 500
* NN3008MBKR	40	68	21	1	50.0	55.5	61	0.356	13 900	16 700
* NN3008TBKR	40	68	21	1	50.0	55.5	61	0.269	15 800	18 600
* NN3008ZTBKR	40	68	21	1	29.6	27.7	61	0.234	16 600	22 000
* NN3009MBKR	45	75	23	1	59.5	68.5	67.5	0.471	12 500	15 000
* NN3009TBKR	45	75	23	1	57.5	65.5	67.5	0.348	14 200	16 700
* NN3009ZTBKR	45	75	23	1	34.0	32.5	67.5	0.302	14 900	19 800
* NN3010MBKR	50	80	23	1	61.0	72.5	72.5	0.502	11 600	13 900
* NN3010TBKR	50	80	23	1	61.0	72.5	72.5	0.378	13 100	15 400
* NN3010ZTBKR	50	80	23	1	36.5	36.5	72.5	0.328	13 800	18 300
* NN3011MBKR	55	90	26	1.1	79.5	96.5	81	0.748	10 400	12 500
* NN3011TBKR	55	90	26	1.1	79.5	96.5	81	0.562	11 800	13 800
* NN3011ZTBKR	55	90	26	1.1	47.5	48.5	81	0.488	12 400	16 400
* NN3012MBKR	60	95	26	1.1	84.5	106	86.1	0.804	9 700	11 700
* NN3012TBKR	60	95	26	1.1	84.5	106	86.1	0.602	11 000	13 000
* NN3012ZTBKR	60	95	26	1.1	50.0	53.0	86.1	0.522	11 600	15 400
* NN3013MBKR	65	100	26	1.1	88.5	116	91	0.862	9 100	11 000
* NN3013TBKR	65	100	26	1.1	88.5	116	91	0.644	10 400	12 200
* NN3013ZTBKR	65	100	26	1.1	52.5	58.0	91	0.557	10 900	14 500

Abutment and Fillet Dimensions (mm)					Clearances in Bearings with Tapered Bores (μm)						Clearances in Bearings with Cylindrical Bores (μm)		E44 Specification Lubrication Holes Dimensions (mm)		
d _a (min.)	d _{1a} (min.)	D _a		r _a (max.)	CC9 (°)		CC0		CC1		CC1		Hole Dia. dh	Oil Groove Width W	Number of Holes m
		(max.)	(min.)		min.	max.	min.	max.	min.	max.	min.	max.			
29	29	43	42	0.6	5	10	8	15	10	25	5	15	2	3.5	4
35	36	50	50	1	5	10	8	15	10	25	5	15	2	3.5	4
35	36	50	50	1	5	10	8	15	10	25	5	15	2	3.5	4
35	36	50	50	1	5	10	8	15	10	25	5	15	2	3.5	4
40	41	57	56	1	5	12	8	15	12	25	5	15	2	3.5	4
40	41	57	56	1	5	12	8	15	12	25	5	15	2	3.5	4
40	41	57	56	1	5	12	8	15	12	25	5	15	2	3.5	4
45	46	63	62	1	5	12	8	15	12	25	5	15	2	3.5	4
45	46	63	62	1	5	12	8	15	12	25	5	15	2	3.5	4
45	46	63	62	1	5	12	8	15	12	25	5	15	2	3.5	4
50	51	70	69	1	5	15	10	20	15	30	5	18	2	3.5	4
50	51	70	69	1	5	15	10	20	15	30	5	18	2	3.5	4
50	51	70	69	1	5	15	10	20	15	30	5	18	2	3.5	4
55	56	75	74	1	5	15	10	20	15	30	5	18	2	3.5	4
55	56	75	74	1	5	15	10	20	15	30	5	18	2	3.5	4
55	56	75	74	1	5	15	10	20	15	30	5	18	2	3.5	4
61.5	62	83.5	83	1	5	15	10	20	15	35	5	20	2	3.5	4
61.5	62	83.5	83	1	5	15	10	20	15	35	5	20	2	3.5	4
61.5	62	83.5	83	1	5	15	10	20	15	35	5	20	2	3.5	4
66.5	67	88.5	88	1	5	15	10	20	15	35	5	20	2	3.5	4
66.5	67	88.5	88	1	5	15	10	20	15	35	5	20	2	3.5	4
66.5	67	88.5	88	1	5	15	10	20	15	35	5	20	2	3.5	4
71.5	72	93.5	93	1	5	15	10	20	15	35	5	20	2	3.5	4
71.5	72	93.5	93	1	5	15	10	20	15	35	5	20	2	3.5	4
71.5	72	93.5	93	1	5	15	10	20	15	35	5	20	2	3.5	4

(°) The suffix "K" or "KR" represents bearings with tapered bores (1 : 12). For the cylindrical bore type, eliminate the symbol and leave this symbol blank.
(°) GN gauge is available for the bearings denoted by an asterisk (*). For GN gauge, please refer to Page 180.
(°) For application of limiting speeds, please refer to Page 216.
(°) Clearance CC9 is applicable to cylindrical roller bearings with tapered bores in ISO Tolerance Classes 5 and 4.

For additional information:
● Dynamic equivalent load P191
● Static equivalent load P198
● Nozzle Position P240
● Recommended Grease Quantities · P257