



YUANHE

Cylindrical Roller Bearings



Yuanhe Transmission (Zhenjiang) Co., Ltd.



Cylindrical Roller Bearings

The rollers of cylindrical roller bearings are usually guided by two ribs of a certain ring. The cage, the rollers and the guide ring form a combined part, which can be separated from the other ring and belong to the separable bearing. This type of bearing is more convenient to install and disassemble, especially when the inner and outer rings are required to have an interference fit with the shaft and housing.

Such bearings are generally only used to bear radial loads, and only single row bearings with ribs on both the inner and outer rings can bear small steady axial loads and large intermittent axial loads. Compared with deep groove ball bearings of the same external dimensions, these bearings have a larger radial load capacity. However, the machining accuracy of related parts such as shafts and housing holes matched with such bearings is relatively high.

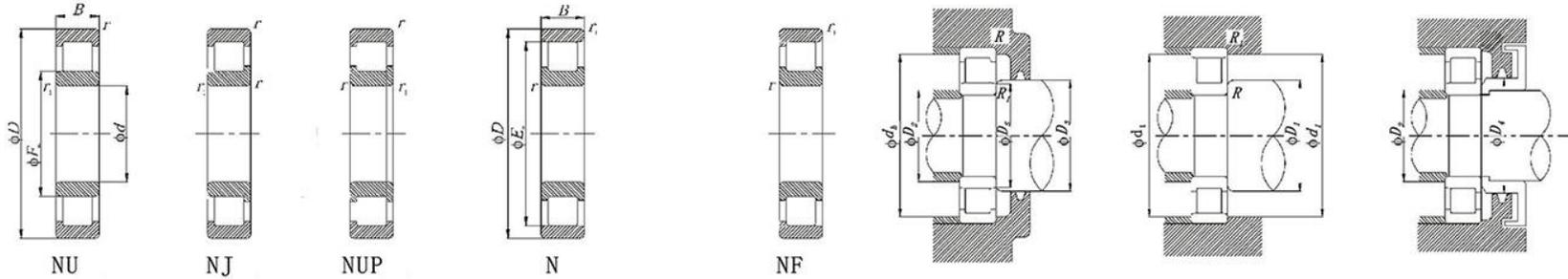
1. Main structural type

- N-type outer ring without ribs, inner ring with double ribs
- NJ type outer ring double rib, inner ring single rib
- NU type outer ring with double ribs, inner ring without ribs
- NF type outer ring single rib, inner ring double rib

2. Double row cylindrical roller bearings

Double row cylindrical roller bearings feature small cross sections, high load capacity and high rigidity. Mainly used in machine tools, rolling stands, plastic drums, grinding machines and large gear boxes.

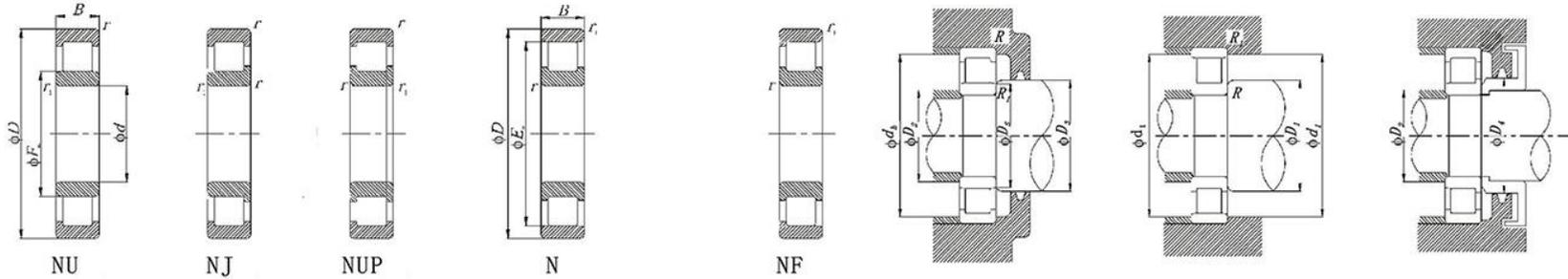
Cylindrical Roller Bearings



d 15~25 mm

Main Dimensions (mm)						Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model		Nominal Model			Installation related dimensions (mm)								Reference Quality (kg)				
d	D	B	F _w	E _w	r (Min)	r ₁	C _r	C ₀	Grease	Oil	NU	NJ	NUP	N	NF	D _s Min	D ₁ Min	D ₂ Max	D ₃ Min	D ₄ Min	d ₁ Max	d ₂ Max	Min	R	R ₁ Max	R ₂ Max	
15	35	11	19.3	29.3	0.6	0.3	7.5	3.5	17,000	20,000	NU202	NJ202	—	N202	NF202	19	20	24	27	21	30	31	30	0.6	0.3	0.005	
	35	11	19.3	30.3	0.6	0.3	11.5	9.5	15,000	19,000	NU202E	NJ202E	—	N202E	—	19	—	24	27	21	30	—	—	0.6	0.3	0.005	
17	40	12	22.9	33.9	0.6	0.3	8.7	4.7	15,000	19,000	NU203	NJ203	NUP203	N203	NF203	21	20	25	28	24	35	36	35	0.6	0.3	0.009	
	40	12	22.1	35.1	0.6	0.3	17.2	14.3	15,000	18,000	NU203E	NJ203E	NUP203E	N203E	—	21	—	25	28	24	35	—	—	0.6	0.3	0.009	
	40	16	22.1	—	0.6	0.6	19.8	16.3	14,000	17,000	NU2203E	NJ2203E	NUP2203E	—	—	21	—	25	28	24	35	—	—	0.6	0.3	0.011	
	47	14	24.2	40.2	1.1	0.6	19.2	15.3	14,000	17,000	NU303E	NJ303E	NUP303E	—	—	24	—	26	29	32	42	—	—	1	0.6	0.135	
20	47	14	27.0	40.0	1.0	0.6	16.6	13.9	15,000	18,000	NU204	NJ204	NUP204	N204	NF204	24	25	26	29	32	42	43	42	1	0.6	0.111	
	47	14	26.5	—	1.0	0.6	25.7	22.6	13,000	16,000	NU204E	NJ204E	NUP204E	—	—	24	—	26	29	32	42	—	—	1	0.6	0.122	
	47	18	27.0	40.0	1.0	0.6	22.2	20.3	13,000	16,000	NU2204	NJ2204	NUP2204	N2204	—	24	25	26	29	32	42	43	42	1	0.6	0.143	
	47	18	26.5	—	1.0	0.6	30.5	28.3	13,000	16,000	NU2204E	NJ2204E	NUP2204E	—	—	24	—	26	29	32	42	—	—	1	0.6	0.158	
	52	15	28.5	44.5	1.1	0.6	23.1	19.2	12,000	15,000	NU304	NJ304	NUP304	N304	NF304	24	26.5	27	30	33	45.5	48	47	1	0.6	0.153	
	52	15	27.5	—	1.1	0.6	31.5	26.9	12,000	15,000	NU304E	NJ304E	NUP304E	—	—	24	—	27	30	33	45.5	—	—	1	0.6	0.176	
	52	21	28.5	44.5	1.1	0.6	33.0	30.0	11,000	14,000	NU2304	NJ2304	NUP2304	N2304	—	24	26.5	27	30	33	45.5	48	47	1	0.6	0.250	
	52	21	27.5	—	1.1	0.6	42.0	39.0	11,000	14,000	NU2304E	NJ2304E	NUP2304E	—	—	24	—	27	30	33	45.5	—	—	1	0.6	0.240	
25	47	12	30.5	41.5	0.6	0.3	15.1	14.1	15,000	18,000	NU1005	NJ1005	NUP1005	N1005	—	27	29	30	32	33	43	45	42.5	0.6	0.3	0.092	
	52	15	32.0	45.0	1.0	0.6	18.8	17.0	13,000	16,000	NU205	NJ205	NUP205	N205	NF205	29	30	31	34	37	47	48	47	1	0.6	0.137	
	52	15	31.5	—	1.0	0.6	29.3	27.7	12,000	14,000	NU205E	NJ205E	NUP205E	—	—	29	—	31	34	37	47	—	—	1	0.6	0.151	
	52	18	32.0	45.0	1.0	0.6	25.1	24.7	12,000	14,000	NU2205	NJ2205	NUP2205	N2205	—	29	30	31	34	37	47	48	47	1	0.6	0.166	
	52	18	31.5	—	1.0	0.6	35.0	34.5	12,000	14,000	NU2205E	NJ2205E	NUP2205E	—	—	29	—	31	34	37	47	—	—	1	0.6	0.186	
	62	17	35.0	53.0	1.1	1.1	31.5	27.7	10,000	13,000	NU305	NJ305	NUP305	N305	NF305	31.5	31.5	33	37	40	55.5	55.5	55	1	1	0.241	
	62	17	34.0	—	1.1	1.1	41.5	37.5	10,000	12,000	NU305E	NJ305E	NUP305E	—	—	31.5	—	33	37	40	55.5	—	—	1	1	0.275	
	62	24	35.0	53.0	1.1	1.1	46.0	45.0	9,000	11,000	NU2305	NJ2305	NUP2305	N2305	—	31.5	31.5	33	37	40	55.5	55.5	55	1	1	0.343	
	62	24	34.0	—	1.1	1.1	57.0	56.0	9,000	11,000	NU2305E	NJ2305E	NUP2305E	—	—	31.5	—	33	37	40	55.5	—	—	1	1	0.386	
	80	21	38.8	62.8	1.5	1.5	46.5	40.0	9,000	11,000	NU405	NJ405	NUP405	N405	NF405	33	33	38	41	46	72	72	64	1.5	1.5	0.550	

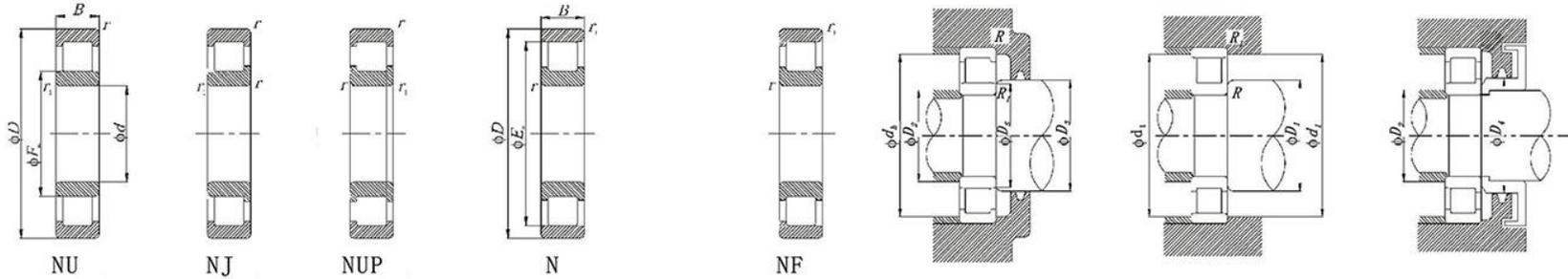
Cylindrical Roller Bearings



d 30~40 mm

Main Dimensions (mm)						Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model		Nominal Model			Installation related dimensions (mm)							Reference Quality (kg)					
<i>d</i>	<i>D</i>	<i>B</i>	<i>F_w</i>	<i>E_w</i>	<i>r</i> (Min)	<i>r</i> '	<i>C_r</i>	<i>C₀</i>	Grease	Oil	NU	NJ	NUP	N	NF	<i>D_s</i> Min	<i>D₁</i> Min	<i>D₂</i> Max	<i>D₃</i> Min	<i>D₄</i> Min	<i>d₄</i> Max	<i>d₁</i> Min	<i>R</i> Max	<i>R₁</i> Max			
30	55	13	36.5	48.5	1.0	0.6	19.7	19.6	12,000	15,000	NU1006	NJ1006	NUP1006	N1006	—	33	35	35	38	39.5	50	52	50	1	0.6	0.130	
	62	16	38.5	53.5	1.0	0.6	24.9	23.3	11,000	13,000	NU206	NJ206	NUP206	N206	NF206	34	35	37	40	44	57	58	56	1	0.6	0.207	
	62	16	37.5	—	1.0	0.6	39.0	37.5	11,000	13,000	NU206E	NJ206E	NUP206E	—	—	34	—	37	40	44	57	—	—	1	0.6	0.226	
	62	20	38.5	53.5	1.0	0.6	35.0	36.0	10,000	12,000	NU2206	NJ2206	NUP2206	N2206	—	34	35	37	40	44	57	58	56	1	0.6	0.261	
	62	20	37.5	—	1.0	0.6	49.0	50.0	9,500	12,000	NU2206E	NJ2206E	NUP2206E	—	—	34	—	37	40	44	57	—	—	1	0.6	0.297	
	72	19	42.0	62.0	1.1	1.1	38.5	35.0	8,500	11,000	NU306	NJ306	NUP306	N306	NF306	36.5	36.5	40	44	48	65.5	66	64	1	1	0.358	
	72	19	40.5	—	1.1	1.1	53.0	50.0	8,500	10,000	NU306E	NJ306E	NUP306E	—	—	36.5	—	40	44	48	65.5	—	—	1	1	0.398	
	72	27	42.0	62.0	1.1	1.1	51.5	51.0	7,500	9,500	NU2306	NJ2306	NUP2306	N2306	—	36.5	36.5	40	44	48	65.5	66	64	1	1	0.513	
	72	27	40.5	—	1.1	1.1	74.5	77.5	8,000	9,500	NU3306E	NJ3306E	NUP3306E	—	—	36.5	—	40	44	48	65.5	—	—	1	1	0.580	
	90	23	45.0	73.0	1.5	1.5	62.5	55.0	7,500	9,500	NU406	NJ406	NUP406	N406	NF406	38	38	44	47	52	82	82	74	1.5	1.5	0.751	
	35	62	14	42.0	55.0	1.0	0.6	22.6	23.2	11,000	13,000	NU1007	NJ1007	NUP1007	N1007	—	38	40	41	44	45	57	59	56	1	0.6	0.179
		72	17	43.8	61.8	1.1	0.6	35.5	34.0	9,500	11,000	NU207	NJ207	NUP207	N207	NF207	39	41.5	43	46	50	65.5	68	64	1	0.6	0.295
72		17	44.0	—	1.1	0.6	50.5	50.0	8,500	10,000	NU207E	NJ207E	NUP207E	—	—	39	—	43	46	50	65.5	—	—	1	0.6	0.327	
72		23	43.8	61.8	1.1	0.6	52.0	55.5	8,500	10,000	NU2207	NJ2207	NUP2207	N2207	—	39	41.5	43	46	50	65.5	68	64	1	0.6	0.404	
72		23	44.0	—	1.1	0.6	61.5	65.5	8,500	10,000	NU2207E	NJ2207E	NUP2207E	—	—	39	—	43	46	50	65.5	—	—	1	0.6	0.455	
80		21	46.2	68.2	1.5	1.1	49.5	47.0	8,000	9,500	NU307	NJ307	NUP307	N307	NF307	41.5	43	45	48	53	72	74	71	1.5	1	0.461	
80		21	46.2	—	1.5	1.1	71.0	71.0	7,500	9,500	NU307E	NJ307E	NUP307E	—	—	41.5	—	45	48	53	72	—	—	1.5	1	0.545	
80		31	46.2	68.2	1.5	1.1	64.5	65.5	7,100	8,500	NU2307	NJ2307	NUP2307	N2307	—	41.5	43	45	48	53	72	74	71	1.5	1	0.712	
80		31	46.2	—	1.5	1.1	99.0	109.0	6,700	8,500	NU2307E	NJ2307E	NUP2307E	—	—	41.5	—	45	48	53	72	—	—	1.5	1	0.780	
100		25	53.0	83.0	1.5	1.5	75.5	69.0	6,700	8,000	NU407	NJ407	NUP407	N407	NF407	43	43	52	55	61	92	92	84	1.5	1.5	0.990	
40		68	15	47.0	61.0	1.0	0.6	27.3	29.0	10,000	12,000	NU1008	NJ1008	NUP1008	N1008	—	44	45	46	49	50.5	63	64	62	1	0.6	0.221
		80	18	50.0	70.0	1.1	1.1	43.5	42.0	8,500	10,000	NU208	NJ208	NUP208	N208	NF208	46.5	46.5	49	52	56	73.5	74	72	1	1	0.378
	80	18	49.5	—	1.1	1.1	55.5	55.5	8,500	10,000	NU208E	NJ208E	NUP208E	—	—	46.5	—	49	52	56	73.5	—	—	1	1	0.426	
	80	23	50.0	70.0	1.1	1.1	58.0	62.0	7,500	9,000	NU2208	NJ2208	NUP2208	N2208	—	46.5	46.5	49	52	56	73.5	74	72	1	1	0.49	
	80	23	49.5	—	1.1	1.1	72.5	77.5	7,500	9,000	NU2208E	NJ2208E	NUP2208E	—	—	46.5	—	49	52	56	73.5	—	—	1	1	0.552	
	90	23	53.5	77.5	1.5	1.5	58.5	57.0	6,700	8,500	NU308	NJ308	NUP308	N308	NF308	48	48	51	55	60	82	82	80	1.5	1.5	0.658	
	90	23	52.0	—	1.5	1.5	83.0	81.5	6,700	8,000	NU308E	NJ308E	NUP308E	—	—	48	—	51	55	60	82	—	—	1.5	1.5	0.754	
	90	33	53.5	77.5	1.5	1.5	82.5	88.0	6,000	7,500	NU2308	NJ2308	NUP2308	N2308	—	48	48	51	55	60	82	82	80	1.5	1.5	0.951	
	90	33	52.0	—	1.5	1.5	114.0	122.0	6,000	7,500	NU3308E	NJ3308E	NUP3308E	—	—	48	—	51	55	60	82	—	—	1.5	1.5	1.06	

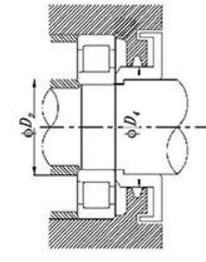
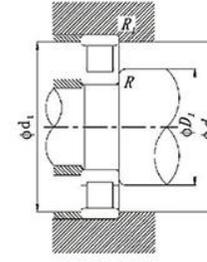
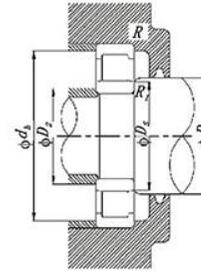
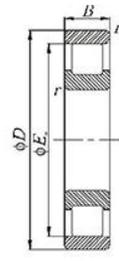
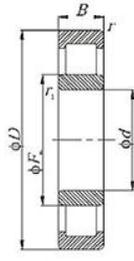
Cylindrical Roller Bearings



d 40~55 mm

Main Dimensions (mm)							Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model			Nominal Model			Installation related dimensions (mm)							Reference Quality (kg)		
d	D	B	F _w	E _w	r _(Min)	r ₁	C _r	C _{0r}	Grease	Oil	NU	NJ	NUP	N	NF	D _s Min	D ₁ Min	D ₂ Max	D ₃ Min	D ₄ Min	d ₄ Max	d ₁ Min	R Max	R ₁ Max	R ₂ Max	
40	110	27	58.0	92.0	2.0	2.0	100.8	95.4	6,000	7,500	NU408	NJ408	NUP408	N408	NF408	49	49	57	60	67	101	101	93	2	2	1.29
45	75	16	52.5	67.5	1.0	0.6	32.5	35.5	9,000	11,000	NU1009	NJ1009	NUP1009	N1009	—	49	50	52	54	56	70	71	69	1	0.6	0.282
	85	19	55.0	75.0	1.1	1.1	46.0	47.0	7,500	9,000	NU209	NJ209	NUP209	N209	NF209	51.5	51.5	54	57	61	78.5	79	77	1	1	0.432
	85	19	54.5	—	1.1	1.1	64.3	68.1	6,700	8,000	NU209E	NJ209E	NUP209E	—	—	51.5	—	54	57	61	78.5	—	—	1	1	0.496
	85	23	55.0	75.0	1.1	1.1	61.5	68.0	7,100	8,500	NU2209	NJ2209	NUP2209	N2209	—	51.5	51.5	54	57	61	78.5	79	77	1	1	0.531
	85	23	54.5	—	1.1	1.1	76.4	85.2	6,700	8,500	NU2209E	NJ2209E	NUP2209E	—	—	51.5	—	54	57	61	78.5	—	—	1	1	0.601
	100	25	58.5	86.5	1.5	1.5	74.0	71.0	6,300	7,500	NU309	NJ309	NUP309	N309	NF309	53	53	57	60	66	92	92	89	1.5	1.5	0.877
	100	25	58.5	—	1.5	1.5	94.7	98.3	6,000	7,500	NU309E	NJ309E	NUP309E	—	—	53	—	57	60	66	92	—	—	1.5	1.5	0.995
	100	36	58.5	86.5	1.5	1.5	99.0	104.0	5,600	6,700	NU2309	NJ2309	NUP2309	N2309	—	53	53	57	60	66	92	92	89	1.5	1.5	1.27
	100	36	58.5	—	1.5	1.5	137.0	153.0	5,300	6,700	NU2309E	NJ2309E	NUP2309E	—	—	53	—	57	60	66	92	—	—	1.5	1.5	1.41
	120	29	64.5	100.5	2.0	2.0	107.0	102.0	5,600	6,700	NU409	NJ409	NUP409	N409	NF409	54	54	63	66	74	111	111	102	2	2	1.62
50	80	16	57.5	72.5	1.0	0.6	32.0	36.0	8,000	10,000	NU1010	NJ1010	NUP1010	N1010	—	54	55	57	59	61	75	76	74	1	0.6	0.295
	90	20	60.4	80.4	1.1	1.1	48.0	51.0	7,100	8,500	NU210	NJ210	NUP210	N210	NF210	56.5	56.5	58	62	67	83.5	84	83	1	1	0.47
	90	20	59.5	—	1.1	1.1	68.7	75.8	6,300	7,500	NU210E	NJ210E	NUP210E	—	—	56.5	—	58	62	67	83.5	—	—	1	1	0.541
	90	23	60.4	80.4	1.1	1.1	64.0	73.5	6,300	8,000	NU2210	NJ2210	NUP2210	N2210	—	56.5	56.5	58	62	67	83.5	84	83	1	1	0.571
	90	23	59.5	—	1.1	1.1	77.8	88.9	6,300	8,000	NU2210E	NJ2210E	NUP2210E	—	—	56.5	—	58	62	67	83.5	—	—	1	1	0.652
	110	27	65.0	95.0	2.0	2.0	87.0	86.0	5,600	6,700	NU310	NJ310	NUP310	N310	NF310	59	59	63	67	73	101	101	98	2	2	1.14
	110	27	65.0	—	2.0	2.0	107.2	124.9	5,000	6,000	NU310E	NJ310E	NUP310E	—	—	59	—	63	67	73	101	—	—	2	2	1.31
	110	40	65.0	95.0	2.0	2.0	121.0	131.0	5,000	6,300	NU2310	NJ2310	NUP2310	N2310	—	59	59	63	67	73	101	101	98	2	2	1.68
	110	40	65.0	—	2.0	2.0	162.0	186.0	5,000	6,300	NU2310E	NJ2310E	NUP2310E	—	—	59	—	63	67	73	101	—	—	2	2	1.88
	130	31	70.8	110.8	2.1	2.1	139.0	136.0	5,000	6,000	NU410	NJ410	NUP410	N410	NF410	61	61	69	73	81	119	119	112	2	2	2.02
55	90	18	64.5	80.5	1.1	1.1	57.7	69.7	7,500	9,000	NU1011	NJ1011	NUP1011	N1011	—	60	61.5	63	66	68.5	83.5	85	82	1	1	0.442
	100	21	66.5	88.5	1.5	1.1	58.0	62.0	6,300	7,500	NU211	NJ211	NUP211	N211	NF211	61.5	63	65	68	73	92	94	91	1.5	1	0.638
	100	21	66.0	—	1.5	1.1	86.2	98.7	5,600	7,100	NU211E	NJ211E	NUP211E	—	—	61.5	—	65	68	73	92	—	—	1.5	1	0.718
	100	25	66.5	88.5	1.5	1.1	75.5	87.0	6,000	7,100	NU2211	NJ2211	NUP2211	N2211	—	61.5	63	65	68	73	92	94	91	1.5	1	0.773
	100	25	66.0	—	1.5	1.1	101.0	121.0	5,600	7,100	NU2211E	NJ2211E	NUP2211E	—	—	61.5	—	65	68	73	92	—	—	1.5	1	0.968
	120	29	70.5	104.5	2.0	2.0	137.0	143.0	5,000	6,300	NU311	NJ311	NUP311	N311	NF311	64	64	69	72	80	111	111	107	2	2	1.45
	120	29	70.5	—	2.0	2.0	138.5	144.4	4,500	5,600	NU311E	NJ311E	NUP311E	—	—	64	—	69	72	80	111	—	—	2	2	1.65

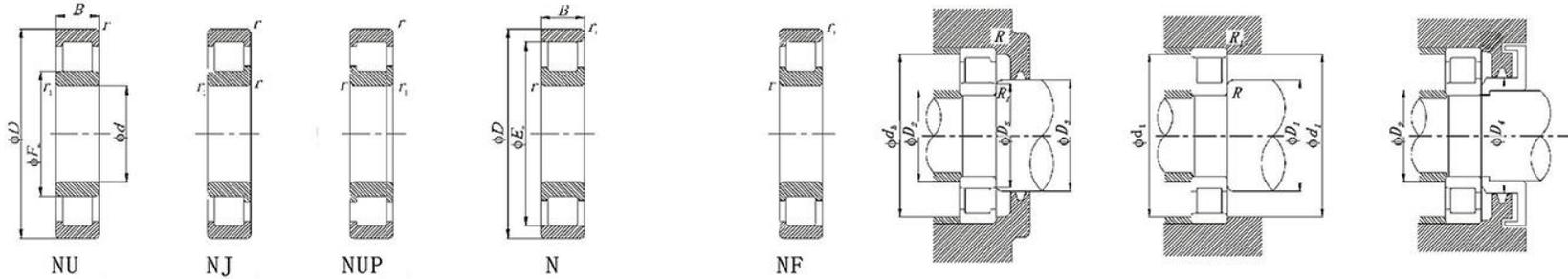
Cylindrical Roller Bearings



d 55~70 mm

Main Dimensions (mm)						Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model			Nominal Model			Installation related dimensions (mm)								Reference Quality (kg)			
d	D	B	F _w	E _w	r (Min)	r ₁	C _r	C _{0r}	Grease	Oil	NU	NJ	NUP	N	NF	D _s Min	D ₁ Min	D ₂ Max	D ₃ Min	D ₄ Min	d ₁ Max	d ₂ Max	Min	R	R ₁ Max	Max	
55	120	43	70.5	104.5	2.0	2.0	148.0	162.0	4,500	5,600	NU2311	NJ2311	NUP2311	N2311	—	64	64	69	72	80	111	111	107	2	2		2.17
	120	43	70.5	—	2.0	2.0	201.0	233.0	4,500	5,600	NU2311E	NJ2311E	NUP2311E	—	—	64	—	69	72	80	111	—	—	2	2		2.37
	140	33	77.2	117.2	2.1	2.1	139.0	138.0	4,500	5,600	NU411	NJ411	NUP411	N411	NF411	66	66	76	79	87	129	129	109	2	2		2.48
60	95	18	69.5	85.5	1.1	1.1	40.0	48.5	6,700	8,500	NU1012	NJ1012	NUP1012	N1012	—	65	66.5	68	71	73.5	88.5	90	87	1	1		0.474
	110	22	73.5	97.5	1.5	1.5	72.0	80.0	6,000	7,100	NU212	NJ212	NUP212	N212	NF212	68	68	71	75	80	102	102	100	1.5	1.5		0.818
	110	22	72.0	—	1.5	1.5	97.5	107.0	5,300	6,300	NU212E	NJ212E	NUP212E	—	—	68	—	71	75	80	102	—	—	1.5	1.5		0.923
	110	28	73.5	97.5	1.5	1.5	101.0	123.0	5,300	6,300	NU2212	NJ2212	NUP2212	N2212	—	68	68	71	75	80	102	102	100	1.5	1.5		1.06
	110	28	72.0	—	1.5	1.5	131.0	157.0	5,300	6,300	NU2212E	NJ2212E	NUP2212E	—	—	68	—	71	75	80	102	—	—	1.5	1.5		1.21
	130	31	77.0	113.0	2.1	2.1	124.0	126.0	4,800	5,600	NU312	NJ312	NUP312	N312	NF312	71	71	75	79	86	119	119	116	2	2		1.82
	130	31	77.0	—	2.1	2.1	150.0	157.0	4,300	5,000	NU312E	NJ312E	NUP312E	—	—	71	—	75	79	86	119	—	—	2	2		2.05
	130	46	77.0	113.0	2.1	2.1	169.0	188.0	4,300	5,300	NU2312	NJ2312	NUP2312	N2312	—	71	71	75	79	86	119	119	116	2	2		2.71
	130	46	77.0	—	2.1	2.1	222.0	262.0	4,300	5,300	NU2312E	NJ2312E	NUP2312E	—	—	71	—	75	79	86	119	—	—	2	2		2.96
150	35	83.0	127.0	2.1	2.1	167.0	168.0	4,300	5,300	NU412	NJ412	NUP412	N412	NF412	71	71	82	85	94	139	139	128	2	2		3.02	
65	100	18	74.5	90.5	1.1	1.0	41.0	51.0	6,300	8,000	NU1013	NJ1013	NUP1013	N1013	—	70	71.5	73	76	78.5	93.5	95	92	1	1		0.485
	120	23	79.6	105.6	1.5	1.5	84.0	94.5	5,300	6,300	NU213	NJ213	NUP213	N213	NF213	73	73	77	81	87	112	112	108	1.5	1.5		1.02
	120	23	78.5	—	1.5	1.5	108.0	119.0	4,800	5,600	NU213E	NJ213E	NUP213E	—	—	73	—	77	81	87	112	—	—	1.5	1.5		1.21
	120	31	79.6	105.6	1.5	1.5	120.0	149.0	4,800	6,000	NU2213	NJ2213	NUP2213	N2213	—	73	73	77	81	87	112	112	108	1.5	1.5		1.41
	120	31	78.5	—	1.5	1.5	149.0	181.0	4,800	6,000	NU2213E	NJ2213E	NUP2213E	—	—	73	—	77	81	87	112	—	—	1.5	1.5		1.62
	140	33	83.5	121.5	2.1	2.1	135.0	139.0	4,300	5,300	NU313	NJ313	NUP313	N313	NF313	76	76	81	85	93	129	129	125	2	2		2.23
	140	33	82.5	—	2.1	2.1	181.0	191.0	4,000	4,800	NU313E	NJ313E	NUP313E	—	—	76	—	81	85	93	129	—	—	2	2		2.54
	140	48	83.5	121.5	2.1	2.1	188.0	212.0	3,800	4,800	NU2313	NJ2313	NUP2313	N2313	—	76	76	81	85	93	129	129	125	2	2		3.27
	140	48	82.5	—	2.1	2.1	248.0	287.0	3,800	4,800	NU2313E	NJ2313E	NUP2313E	—	—	76	—	81	85	93	129	—	—	2	2		3.48
160	37	89.3	135.3	2.1	2.1	195.0	203.0	4,000	4,800	NU413	NJ413	NUP413	N413	NF413	76	76	88	91	100	149	149	137	2	2		3.61	
70	110	20	80.0	100.0	1.1	1.0	58.5	70.5	6,000	7,100	NU1014	NJ1014	NUP1014	N1014	—	75	76.5	78	82	85	103.5	105	101	1	1		0.699
	125	24	84.5	110.5	1.5	1.5	87.5	101.0	5,000	6,300	NU214	NJ214	NUP214	N214	NF214	78	78	82	86	92	117	117	114	1.5	1.5		1.12
	125	24	83.5	—	1.5	1.5	119.0	137.0	4,500	5,600	NU214E	NJ214E	NUP214E	—	—	78	—	82	86	92	117	—	—	1.5	1.5		1.32
	125	31	84.5	110.5	1.5	1.5	125.0	160.0	4,500	5,600	NU2214	NJ2214	NUP2214	N2214	—	78	78	82	86	92	117	117	114	1.5	1.5		1.47
	125	31	83.5	—	1.5	1.5	156.0	194.0	4,500	5,600	NU2214E	NJ2214E	NUP2214E	—	—	78	—	82	86	92	117	—	—	1.56	1.56		1.71
	150	35	90.0	130.0	2.1	2.1	158.0	168.0	4,000	5,000	NU314	NJ314	NUP314	N314	NF314	81	81	87	92	100	139	139	134	2	2		2.71

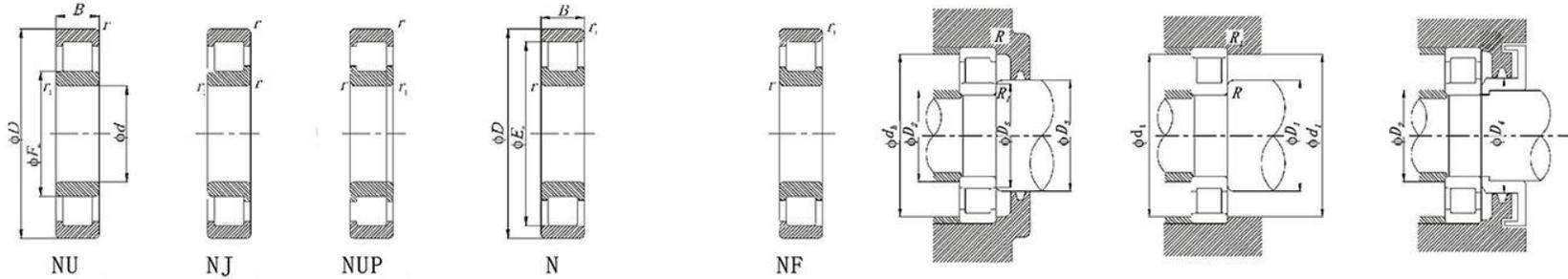
Cylindrical Roller Bearings



d 70~85 mm

Main Dimensions (mm)							Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model			Nominal Model			Installation related dimensions (mm)								Reference Quality (kg)			
d	D	B	F _w	E _w	r _(Min)	r ₁	C _r	C ₀	Grease	Oil	NU	NJ	NUP	N	NF	D _s Min	D ₁ Min	D ₂ Max	D ₃ Min	D ₄ Min	d ₁ Max	d ₂ Max	Min	R	R ₁	Max	Max	Max
70	150	35	89.0	—	2.1	2.1	205.0	222.0	3,600	4,300	NU314E	NJ314E	NUP314E	—	—	81	—	87	92	100	139	—	—	2	2	—	—	3.11
	150	51	90.0	130.0	2.1	2.1	223.0	262.0	3,600	4,500	NU2314	NJ2314	NUP2314	N2314	—	81	81	87	92	100	139	139	134	2	2	—	—	3.98
	150	51	89.0	—	2.1	2.1	274.0	325.0	3,600	4,500	NU2314E	NJ2314E	NUP2314E	—	—	81	—	87	92	100	139	—	—	2	2	—	—	4.25
	180	42	100.0	152.0	3.0	3.0	243.0	257.0	3,600	4,300	NU414	NJ414	NUP414	N414	NF414	83	83	99	102	112	167	167	153	2.5	2.5	—	—	5.24
75	115	20	85.0	105.0	1.1	1.0	60.0	74.5	5,600	6,700	NU1015	NJ1015	NUP1015	N1015	—	80	81.5	83	87	90	108.5	110	106	1	1	—	—	0.738
	130	25	88.5	116.5	1.5	1.5	101.0	118.0	4,800	6,000	NU215	NJ215	NUP215	N215	NF215	83	83	87	90	96	122	122	120	1.5	1.5	—	—	1.23
	130	25	88.5	—	1.5	1.5	130.0	156.0	4,300	5,300	NU215E	NJ215E	NUP215E	—	—	83	—	87	90	96	122	—	—	1.5	1.5	—	—	1.41
	130	31	88.5	116.5	1.5	1.5	136.0	172.0	4,300	5,300	NU2215	NJ2215	NUP2215	N2215	—	83	83	87	90	96	122	122	120	1.5	1.5	—	—	1.55
	130	31	88.5	—	1.5	1.5	162.0	207.0	4,300	5,300	NU2215E	NJ2215E	NUP2215E	—	—	83	—	87	90	96	122	—	—	1.5	1.5	—	—	1.79
	160	37	95.5	139.5	2.1	2.1	190.0	205.0	3,800	4,800	NU315	NJ315	NUP315	N315	NF315	86	86	93	97	106	149	149	143	2	2	—	—	3.28
	160	37	95.0	—	2.1	2.1	240.0	263.0	3,400	4,000	NU315E	NJ315E	NUP315E	—	—	86	—	93	97	106	149	—	—	2	2	—	—	3.74
	160	55	95.5	139.5	2.1	2.1	274.0	325.0	3,400	4,300	NU2315	NJ2315	NUP2315	N2315	—	86	86	93	97	106	149	149	143	2	2	—	—	4.87
	160	55	95.0	—	2.1	2.1	330.0	295.0	3,400	4,300	NU2315E	NJ2315E	NUP2315E	—	—	86	—	93	97	106	149	—	—	2	2	—	—	5.25
	190	45	104.5	160.5	3.0	3.0	262.0	274.0	3,400	4,000	NU415	NJ415	NUP415	N415	NF415	88	88	103	107	118	177	177	162	2.5	2.5	—	—	6.22
80	125	22	91.5	113.5	1.1	1.0	72.5	90.5	5,300	6,300	NU1016	NJ1016	NUP1016	N1016	—	85	86.5	90	94	97	118.5	120	115	1	1	—	—	0.98
	140	26	95.3	125.3	2.0	2.0	111.0	130.0	4,500	5,300	NU216	NJ216	NUP216	N216	NF216	89	89	94	97	104	131	131	128	2	2	—	—	1.52
	140	26	95.3	—	2.0	2.0	139.0	167.0	4,000	4,800	NU216E	NJ216E	NUP216E	—	—	89	—	94	97	104	131	—	—	2	2	—	—	1.67
	140	33	95.3	125.3	2.0	2.0	154.0	198.0	4,000	5,000	NU2216	NJ2216	NUP2216	N2216	—	89	89	94	97	104	131	131	128	2	2	—	—	1.93
	140	33	95.3	—	2.0	2.0	186.0	243.0	4,000	5,000	NU2216E	NJ2216E	NUP2216E	—	—	89	—	94	97	104	131	—	—	2	2	—	—	2.12
	170	39	103.0	147.0	2.1	2.1	201.0	223.0	3,600	4,300	NU316	NJ316	NUP316	N316	NF316	91	91	99	105	114	159	159	151	2	2	—	—	3.86
	170	39	101.0	—	2.1	2.1	256.0	282.0	3,200	3,800	NU316E	NJ316E	NUP316E	—	—	91	—	99	105	114	159	—	—	2	2	—	—	4.22
	170	58	103.0	147.0	2.1	2.1	274.0	330.0	3,200	4,000	NU2316	NJ2316	NUP2316	N2316	—	91	91	99	105	114	159	159	151	2	2	—	—	5.79
	170	58	101.0	—	2.1	2.1	355.0	430.0	3,200	4,000	NU2316E	NJ2316E	NUP2316E	—	—	91	—	99	105	114	159	—	—	2	2	—	—	6.25
	200	48	110.0	170.0	3.0	3.0	299.0	315.0	3,200	3,800	NU416	NJ416	NUP416	N416	NF416	93	93	109	112	124	187	187	172	2.5	2.5	—	—	7.32
85	130	22	96.5	118.5	1.1	1.0	74.5	95.5	5,000	6,000	NU1017	NJ1017	NUP1017	N1017	—	90	91.5	95	99	102	123.5	125	120	1	1	—	—	1.03
	150	28	101.8	133.8	2.0	2.0	126.0	149.0	4,300	5,000	NU217	NJ217	NUP217	N217	NF217	94	94	99	104	110	141	141	137	2	2	—	—	1.87
	150	28	100.5	—	2.0	2.0	167.0	199.0	3,800	4,500	NU217E	NJ217E	NUP217E	—	—	94	—	99	104	110	141	—	—	2	2	—	—	2.11
	150	36	101.8	133.8	2.0	2.0	178.0	232.0	3,800	4,500	NU2217	NJ2217	NUP2217	N2217	—	94	94	99	104	110	141	141	137	2	2	—	—	2.44

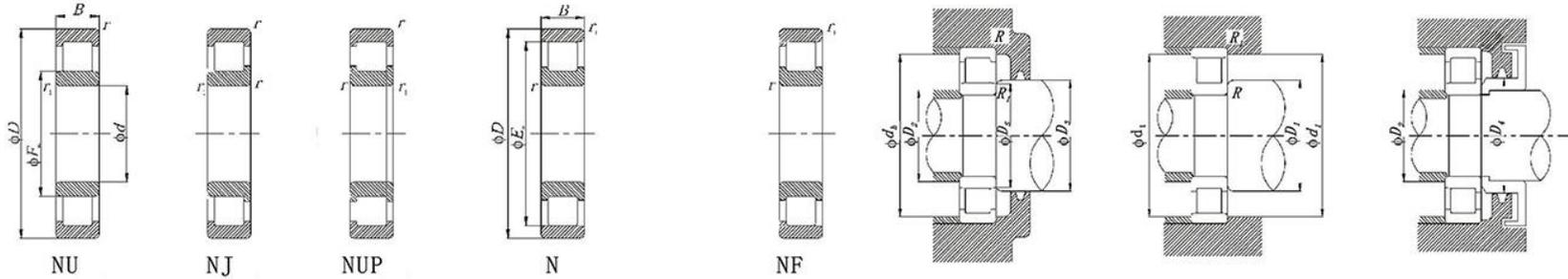
Cylindrical Roller Bearings



d 85~100mm

Main Dimensions (mm)						Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model			Nominal Model			Installation related dimensions (mm)							Reference Quality (kg)					
<i>d</i>	<i>D</i>	<i>B</i>	<i>F_w</i>	<i>E_w</i>	<i>r</i> (Min)	<i>r</i> '	<i>C_r</i>	<i>C₀</i>	Grease	Oil	NU	NJ	NUP	N	NF	<i>D_s</i> Min	<i>D₁</i> Min	<i>D₂</i> Max	<i>D₃</i> Min	<i>D₄</i> Min	<i>d₁</i> Max	<i>d₂</i> Max	Min	Max	<i>R</i>	<i>R₁</i>		
85	150	36	100.5	—	2.0	2.0	214.7	274.1	3800	4500	NU2217E	NJ2217E	NUP2217E	—	—	94	—	99	104	110	141	—	—	2	2	—	—	2.67
	180	41	108.0	156.0	3.0	3.0	212	228	3400	4000	NU317	NJ317	NUP317	N317	NF317	98	98	106	110	119	167	167	160	2.5	2.5	—	—	4.54
	180	41	108.0	—	3.0	3.0	295	336	3000	3600	NU317E	NJ317E	NUP317E	—	—	98	—	106	110	119	167	—	—	2.5	2.5	—	—	4.81
	180	60	108.0	156.0	3.0	3.0	315	380	3000	3800	NU2317	NJ2317	NUP2317	N2317	—	98	98	106	110	119	167	167	160	2.5	2.5	—	—	6.7
	180	60	108.0	—	3.0	3.0	393	485	3000	3600	NU2317E	NJ2317E	NUP2317E	—	—	98	—	106	110	119	167	—	—	2.5	2.5	—	—	7.16
	210	52	113.0	177.0	4.0	4.0	335	350	3000	3800	NU417	NJ417	NUP417	N417	NF417	101	101	111	115	128	194	194	179	3	3	—	—	9.41
90	140	24	103.0	127.0	1.5	1.1	88	114	4500	5600	NU101018	NJ101018	NUP1018	N1018	—	96.5	98	101	106	109	132	134	129	1.5	1	—	—	1.33
	160	30	107.0	143.0	2.0	2.0	152	178	4000	4800	NU218	NJ218	NUP218	N218	NF218	99	99	105	109	116	151	151	146	2	2	—	—	2.29
	160	30	107.0	—	2.0	2.0	182	217	3600	4300	NU218E	NJ218E	NUP218E	—	—	99	—	105	109	116	151	—	—	2	2	—	—	2.44
	160	40	107.0	143.0	2.0	2.0	207	265	3600	4300	NU2218	NJ2218	NUP2218	N2218	—	99	99	105	109	116	151	151	146	2	2	—	—	3.09
	160	40	107.0	—	2.0	2.0	233	298	3600	4300	NU2218E	NJ2218E	NUP2218E	—	—	99	—	105	109	116	151	—	—	2	2	—	—	3.33
	190	43	115.0	165.0	3.0	3.0	240	265	3200	3800	NU318	NJ318	NUP318	N318	NF318	103	103	111	117	127	177	177	169	2.5	2.5	—	—	5.31
	190	43	113.5	—	3.0	3.0	323	360	2800	3400	NU318E	NJ318E	NUP318E	—	—	103	—	111	117	127	177	—	—	2.5	2.5	—	—	5.72
	190	64	115.0	165.0	3.0	3.0	325	395	2800	3600	NU2318	NJ2318	NUP2318	N2318	—	103	103	111	117	127	177	177	169	2.5	2.5	—	—	7.95
	190	64	113.5	—	3.0	3.0	435	535	2800	3400	NU2318E	NJ2318E	NUP2318E	—	—	103	—	111	117	127	177	—	—	2.5	2.5	—	—	8.56
	225	54	123.5	191.5	4.0	4.0	375	400	2800	3400	NU418	NJ418	NUP418	N418	NF418	106	106	122	125	139	209	209	194	3	3	—	—	11.2
95	145	24	108.0	132.0	1.5	1.1	90.5	120	4300	5300	NU1019	NJ1019	NUP1019	N1019	—	101.5	103	106	111	114	137	139	134	1.5	1	—	—	1.42
	170	32	113.5	151.5	2.1	2.1	158	183	3800	4500	NU219	NJ219	NUP219	N219	NF219	106	106	111	116	123	159	159	155	2	2	—	—	2.78
	170	32	112.5	—	2.1	2.1	226	274	3400	4000	NU219E	NJ219E	NUP219E	—	—	106	—	111	116	123	159	—	—	2	2	—	—	3.02
	170	43	113.5	151.5	2.1	2.1	230	298	3400	4000	NU2219	NJ2219	NUP2219	N2219	—	106	—	111	116	123	159	159	155	2	2	—	—	3.79
	170	43	112.5	—	2.1	2.1	284.4	368	3400	4000	NU2219E	NJ2219E	NUP2219E	—	—	106	—	111	116	123	159	—	—	2	2	—	—	4.14
	200	45	121.5	173.5	3.0	3.0	259	289	3000	3600	NU319	NJ319	NUP319	N319	NF319	108	108	119	124	134	187	187	178	2.5	2.5	—	—	6.13
	200	45	121.5	—	3.0	3.0	338	392	2600	3200	NU319E	NJ319E	NUP319E	—	—	108	—	119	124	134	187	—	—	2.5	2.5	—	—	6.62
	200	67	121.5	173.5	3.0	3.0	370	460	2600	3400	NU2319	NJ2319	NUP2319	N2319	—	108	108	119	124	134	187	187	178	2.5	2.5	—	—	9.21
	200	67	121.5	—	3.0	3.0	468.9	585.9	2600	3200	NU2319E	NJ2319E	NUP2319E	—	—	108	—	119	124	134	187	—	—	2.5	2.5	—	—	9.81
	240	55	133.5	201.5	4.0	4.0	400	445	2600	3200	NU419	NJ419	NUP419	N419	NF419	111	111	132	136	149	224	224	204	3	3	—	—	13.2
100	150	24	113.0	137.0	1.5	1.5	93	126	4300	5300	NU1020	NJ1020	NUP1020	N1020	—	106.5	108	111	116	119	142	144	139	1.5	1	—	—	1.45
	180	34	120.0	160.0	2.1	2.1	183	217	3600	4300	NU220	NJ220	NUP220	N220	NF220	111	111	117	122	130	169	169	164	2	2	—	—	3.33
	180	34	119.0	—	2.1	2.1	250	305	3200	3800	NU220E	NJ220E	NUP220E	—	—	111	—	117	122	130	169	—	—	2	2	—	—	3.66

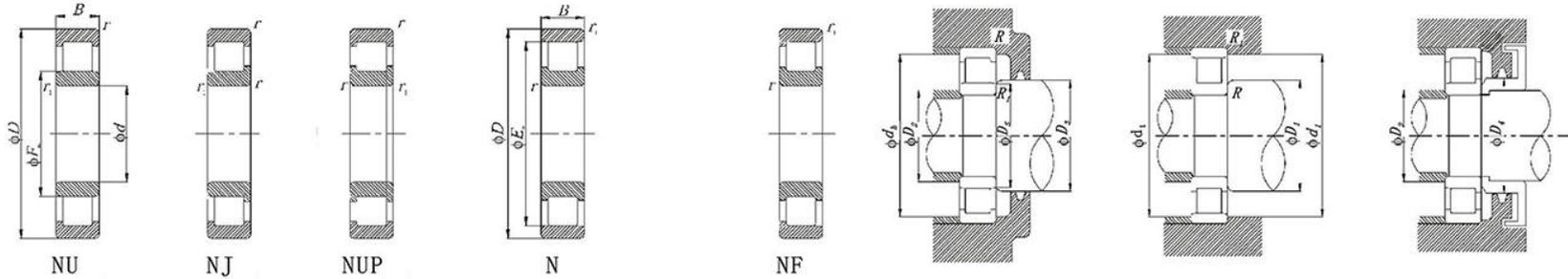
Cylindrical Roller Bearings



d 100~120 mm

Main Dimensions (mm)							Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model		Nominal Model			Installation related dimensions (mm)							Reference Quality (kg)			
<i>d</i>	<i>D</i>	<i>B</i>	F_w	E_w	$r_{(Min)}$	$r_{(Max)}$	C_r	C_e	Grease	Oil	NU	NJ	NUP	N	NF	D_s Min	D_1 Min	D_2 Max	D_3 Min	D_4 Min	d_1 Max	d_2 Max		R Min	R_1 Max	R_2 Max
100	180	46	120.0	160.0	2.1	2.1	246	315	3200	3800	NU2220	NJ2220	NUP2220	N2220	—	111	111	117	122	130	169	169	164	2	2	4.57
	180	46	119.0	—	2.1	2.1	335	445	3200	3800	NU2220E	NJ2220E	NUP2220E	—	—	111	—	117	122	130	169	—	—	2	2	5.01
	215	47	129.5	185.5	3.0	3.0	299	335	2800	3400	NU320	NJ320	NUP320	N320	NF320	113	113	125	132	143	202	202	190	2.5	2.5	7.49
	215	47	127.5	—	3.0	3.0	390	440	2400	3000	NU320E	NJ320E	NUP320E	—	—	113	—	125	132	143	202	—	—	2.5	2.5	8.57
	215	73	129.5	185.5	3.0	3.0	410	505	2400	3200	NU2320	NJ2320	NUP2320	N2320	—	113	113	125	132	143	202	202	190	2.5	2.5	11.7
	215	73	127.5	—	3.0	3.0	569	715	2400	3000	NU2320E	NJ2320E	NUP2320E	—	—	113	—	125	132	143	202	—	—	2.5	2.5	12.8
	250	58	139.0	211.0	4.0	4.0	450	500	2600	3000	NU420	NJ420	NUP420	N420	NF420	116	116	137	141	156	234	234	213	3	3	14.9
105	160	26	119.5	145.5	2.0	2.0	141	198	4000	4800	NU1021	NJ1021	NUP1021	N1021	—	111.5	114	118	122	126	151	154	148	2	1	1.84
	190	36	126.8	168.8	2.1	2.1	248.4	308.6	3400	4000	NU221	NJ221	NUP221	N221	NF221	116	116	124	129	137	179	179	173	2	2	3.95
	225	49	135.0	195.0	3.0	3.0	407	462	2600	3200	NU321	NJ321	NUP321	N321	NF321	118	118	132	137	149	212	212	199	2.5	2.5	8.53
	260	60	144.5	220.5	4.0	4.0	532	606	2400	3000	NU421	NJ421	NUP421	N421	NF421	121	121	143	147	162	244	244	223	3	3	16.6
110	170	28	125.0	155.0	2.0	2.0	160	226	3800	4500	NU1022	NJ1022	NUP1022	N1022	—	116.5	119	124	128	132	161	164	157	2	1	2.33
	200	38	132.5	178.5	2.1	2.1	229	272	3200	3800	NU222	NJ222	NUP222	N2220	NF222	121	121	130	135	144	189	189	182	2	2	4.63
	200	38	132.5	—	2.1	2.1	296	371	2800	3400	NU222E	NJ222E	NUP222E	—	—	121	—	130	135	144	189	—	—	2	2	4.27
	200	53	132.5	178.5	2.1	2.1	320	415	2800	3400	NU2222	NJ2222	NUP2222	N2222	—	121	121	130	135	144	189	189	182	2	2	6.56
	200	53	132.5	—	2.1	2.1	382	514	2800	3400	NU2222E	NJ2222E	NUP2222E	—	—	121	—	130	135	144	189	—	—	2	2	7.41
	240	50	143.0	207.0	3.0	3.0	450	525	2200	2800	NU322	NJ322	NUP322	N322	NF322	123	123	140	145	158	227	227	211	2.5	2.5	10.1
	240	50	143.0	—	3.0	3.0	450	525	2200	2800	NU322E	NJ322E	NUP322E	—	—	123	123	140	145	158	227	—	—	2.5	2.5	11.1
	240	80	143.0	207.0	3.0	3.0	570	735	2200	2800	NU2322	NJ2322	NUP2322	N2322	—	123	123	140	145	158	227	227	211	2.5	2.5	17.1
	240	80	143.0	—	3.0	3.0	675	880	2200	2800	NU2322E	NJ2322E	NUP2322E	—	—	123	—	140	145	158	227	—	—	2.5	2.5	19.4
	280	65	155.0	235.0	4.0	4.0	550	620	2200	2800	NU422	NJ422	NUP422	N422	NF422	126	126	153	157	173	264	264	237	3	3	21.1
120	180	28	135.0	165.0	2.0	2.0	164	237	3400	4300	NU1024	NJ1024	NUP1024	N1024	—	126.5	129	134	138	142	171	174	167	2	1	2.44
	215	40	143.5	191.5	2.1	2.1	248	299	3000	3400	NU224	NJ224	NUP224	N224	NF224	131	131	141	146	156	204	204	196	2	2	5.57
	215	40	143.5	—	2.1	2.1	342	433	2600	3200	NU324E	NJ324E	NUP324E	—	—	131	—	141	146	156	204	—	—	2	2	5.97
	215	58	143.5	191.5	2.1	2.1	350	460	2600	3200	NU224	NJ224	NUP224	N224	—	131	131	141	146	156	204	204	196	2	2	8.19
	215	58	143.5	—	2.1	2.1	396	549	2600	3200	NU224E	NJ224E	NUP224E	—	—	131	—	141	146	156	204	—	—	2	2	9.18
	260	55	154.0	226.0	3.0	3.0	450	510	2000	2600	NU324	NJ324	NUP324	N324	NF324	133	133	151	156	171	247	247	230	2.5	2.5	12.8

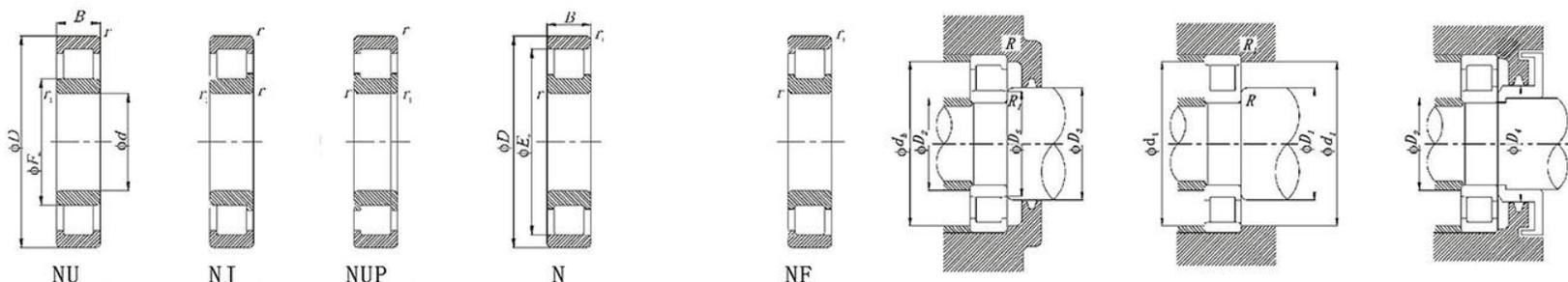
Cylindrical Roller Bearings



d 120~150 mm

Main Dimensions (mm)							Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model			Installation related dimensions (mm)			Reference Quality (kg)									
d	D	B	F _w	E _w	r _(Min)	r ₁	C _r	C ₀	Grease	Oil	NU	NJ	NUP	N	NF	D _s Min		D ₁ Min	D ₂ Max	D ₃ Min	D ₄ Min	d ₁ Max	d ₂ Min	R	R ₁ Max	
120	260	55	154.0	—	3.0	3.0	632	727	2000	2600	NU324E	NJ324E	NUP324E	—	—	133	—	151	156	171	247	—	—	2.5	2.5	13.9
	260	86	154.0	226.0	3.0	3.0	710	920	2000	2600	NU2324	NJ2324	NUP2324	N2324	—	133	133	151	156	171	247	247	230	2.5	2.5	21.5
	260	86	154.0	—	3.0	3.0	785	1020	2000	2600	NU2324E	NJ2324E	NUP2324E	—	—	133	—	151	156	171	247	—	—	2.5	2.5	26.1
	310	72	170.0	260.0	5.0	5.0	675	770	2000	2400	NU424	NJ424	NUP424	N424	NF424	140	140	168	172	190	290	290	262	4	4	28.9
130	200	32	148.0	182.0	2.0	1.1	246	378	3200	3800	NU1026	NJ1026	NUP1026	N1026	—	136.5	139	146	151	156	191	194	184	2	1	3.69
	230	40	156.0	204.0	3.0	3.0	258	320	2600	3200	NU226	NJ226	NUP226	N226	NF226	143	143	151	158	168	217	217	208	2.5	2.5	6.32
	230	40	153.5	—	3.0	3.0	371	466	2400	2800	NU226E	NJ226E	NUP226E	—	—	143	—	151	158	168	217	—	—	2.5	2.5	6.92
	230	64	156.0	204.0	3.0	3.0	380	530	2400	3000	NU2226	NJ2226	NUP2226	N2226	—	143	143	151	158	168	217	217	208	2.5	2.5	10.2
	230	64	153.5	—	3.0	3.0	550	776	2400	3000	NU2226E	NJ2226E	NUP2226E	—	—	143	—	151	158	168	217	—	—	2.5	2.5	11.8
	280	58	167.0	243.0	4.0	4.0	500	570	2200	2600	NU326	NJ326	NUP326	N326	NF326	146	146	164	169	184	264	264	247	3	3	17.4
	280	58	167.0	—	4.0	4.0	590	694	1900	2400	NU326E	NJ326E	NUP326E	—	—	146	—	164	169	184	264	—	—	3	3	19.4
	280	93	167.0	243.0	4.0	4.0	840	1130	1900	2400	NU2326	NJ2326	NUP2326	N2326	—	146	146	164	169	184	264	264	247	3	3	26.9
	280	93	167.0	—	4.0	4.0	860	1126	1900	2400	NU2326E	NJ2326E	NUP2326E	—	—	146	—	164	169	184	264	—	—	3	3	30.9
	340	78	185.0	285.0	5.0	5.0	825	955	1800	2200	NU426	NJ426	NUP426	N426	NF426	150	150	183	187	208	320	320	287	4	4	37.7
140	210	33	158.0	192.0	2.0	1.1	251	396	3000	3600	NU1028	NJ1028	NUP1028	N1028	—	146.5	149	156	161	166	201	204	194	2	1	4.05
	250	42	169.0	221.0	3.0	3.0	297	375	2400	3000	NU228	NJ228	NUP228	N228	NF228	153	153	166	171	182	237	237	225	2.5	2.5	7.88
	250	42	169.0	—	3.0	3.0	395	515	2200	2600	NU228E	NJ228E	NUP228E	—	—	153	—	166	171	182	237	—	—	2.5	2.5	8.73
	250	68	169.0	221.0	3.0	3.0	445	635	2200	2800	NU2228	NJ2228	NUP2228	N2228	—	153	153	166	171	182	237	237	225	2.5	2.5	12.9
	250	68	169.0	—	3.0	3.0	575	835	2200	2600	NU2228E	NJ2228E	NUP2228E	—	—	153	—	166	171	182	237	—	—	2.5	2.5	15.8
	300	62	180.0	260.0	4.0	4.0	550	640	2000	2400	NU328	NJ328	NUP328	N328	NF328	156	156	176	182	198	284	284	265	3	3	21.2
	300	62	180.0	—	4.0	4.0	670	800	1700	2200	NU328E	NJ328E	NUP328E	—	—	156	—	176	182	198	284	—	—	3	3	23.2
	300	102	180.0	260.0	4.0	4.0	920	1250	1700	2200	NU2328	NJ2328	NUP2328	N2328	—	156	156	176	182	198	284	284	265	3	3	33.8
	300	102	180.0	—	4.0	4.0	1030.7	1405.4	1700	2200	NU2328E	NJ2328E	NUP2328E	—	—	156	—	176	182	198	284	—	—	3	3	38.7
	360	82	198.0	302.0	5.0	5.0	875	1020	1700	2000	NU428	NJ428	NUP428	N428	NF428	160	160	195	200	222	340	340	304	4	4	44.3
150	225	35	169.5	205.5	2.1	1.5	265	418	2800	3400	NU1030	NJ1030	NUP1030	N1030	—	158	161	167	173	178	214	217	208	2	1.5	4.77
	270	45	182.0	238.0	3.0	3.0	345	435	2200	2800	NU230	NJ230	NUP230	N230	NF230	163	163	179	184	196	257	257	242	2.5	2.5	9.92
	270	45	182.0	—	3.0	3.0	455	607	2000	2400	NU230E	NJ230E	NUP230E	—	—	163	—	179	184	196	257	—	—	2.5	2.5	11.1
	270	73	182.0	238.0	3.0	3.0	500	710	2000	2600	NU2230	NJ2230	NUP2230	N2230	—	163	163	179	184	196	257	257	242	2.5	2.5	16.3

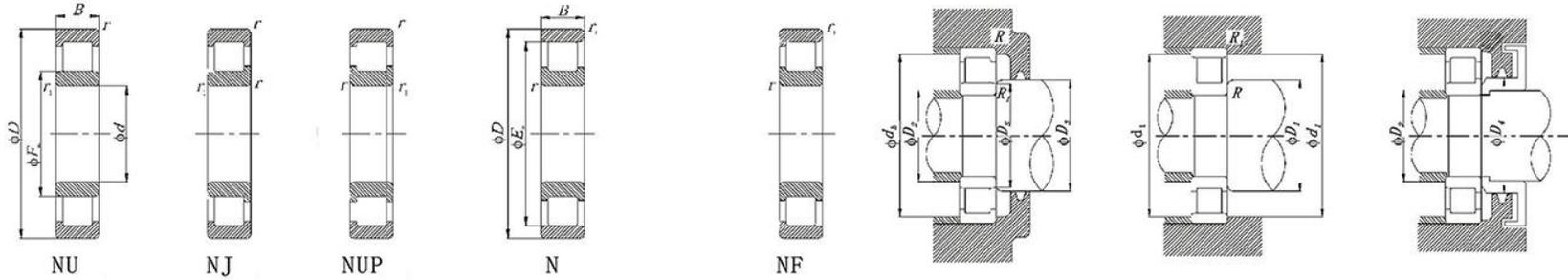
Cylindrical Roller Bearings



d 150~180 mm

Main Dimensions (mm)						Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model		Nominal Model			Installation related dimensions (mm)							Reference Quality (kg)					
d	D	B	F _w	E _w	r _(Min)	r _(r')	C _r	C _{0r}	Grease	Oil	NU	NJ	NUP	N	NF	D _s Min	D ₁ Min	D ₂ Max	D ₃ Min	D ₄ Min	d ₁ Max	d ₂ Max	Min	R	R ₁ Max	R ₂ Max	
150	270	73	182.0	—	3.0	3.0	630	920	2000	2400	NU2230E	NJ2230E	NUP2230E	—	—	163	—	179	184	196	257	—	—	2.5	2.5	19.7	
	320	65	193.0	277.0	4.0	4.0	590	690	1800	2200	NU330	NJ330	NUP330	N330	NF330	166	166	190	195	213	304	304	282	3	3	25.3	
	320	65	193.0	—	4.0	4.0	758	922	1600	2000	NU330E	NJ330E	NUP330E	—	—	166	—	190	195	213	304	—	—	3	3	28.4	
	320	108	193.0	277.0	4.0	4.0	1020	1400	1600	2000	NU2330	NJ2330	NUP2330	N2330	—	166	166	190	195	213	304	304	282	3	3	40.6	
	320	108	193.0	—	4.0	4.0	1190	1650	1600	2000	NU2330E	NJ2330E	NUP2330E	—	—	166	—	190	195	213	304	—	—	3	3	47.2	
	380	85	213.0	317.0	5.0	5.0	930	1120	1600	2000	NU430	NJ430	NUP430	N430	NF430	170	170	210	216	237	360	360	319	4	4	50.8	
	160	240	38	180.0	220.0	2.1	1.5	238	340	2600	3200	NU1032	NJ1032	NUP1032	N1032	—	168	171	178	184	189	229	232	222	2	1.5	5.91
		290	48	195.0	255.0	3.0	3.0	430	570	2200	2600	NU232	NJ232	NUP232	N232	NF232	173	173	192	197	210	277	277	259	2.5	2.5	13.7
		290	48	195.0	—	3.0	3.0	513	691	1900	2200	NU232E	NJ232E	NUP232E	—	—	173	—	192	197	210	277	—	—	2.5	2.5	15.6
		290	80	195.0	255.0	3.0	3.0	630	940	1900	2400	NU2232	NJ2232	NUP2232	N2232	—	173	173	192	197	210	277	277	259	2.5	2.5	22.1
290		80	193.0	—	3.0	3.0	816	1204	1900	2400	NU2232E	NJ2232E	NUP2232E	—	—	173	—	192	197	210	277	—	—	2.5	2.5	25.1	
340		68	208.0	292.0	4.0	4.0	700	875	1700	2000	NU332	NJ332	NUP332	N332	NF332	176	176	200	211	228	324	324	297	3	3	31.3	
340		68	204.0	—	4.0	4.0	874	1080	1500	1900	NU332E	NJ332E	NUP332E	—	—	176	—	200	211	228	324	—	—	3	3	34	
340		114	208.0	292.0	4.0	4.0	1070	1520	1500	1900	NU2332	NJ2332	NUP2332	N2332	—	176	176	200	211	228	324	324	297	3	3	50.5	
340		114	204.0	—	4.0	4.0	1348	1835	1500	1900	NU2332E	NJ2332E	NUP2332E	—	—	176	—	200	211	228	324	—	—	3	3	56	
170		260	42	193.0	237.0	2.1	2.1	287	415	2400	2800	NU1034	NJ1034	NUP1034	N1034	—	181	181	190	197	203	249	249	239	2	2	7.88
	310	52	208.0	272.0	4.0	4.0	475	635	2000	2400	NU234	NJ234	NUP234	N234	NF234	186	186	204	211	223	294	294	277	3	3	17	
	310	52	207.0	—	4.0	4.0	617	796	1800	2200	NU234E	NJ234E	NUP234E	—	—	186	—	204	211	223	294	—	—	3	3	19.6	
	310	86	208.0	272.0	4.0	4.0	715	1080	1800	2200	NU2234	NJ2234	NUP2234	N2234	—	186	186	204	211	223	294	294	277	3	3	27.2	
	310	86	205.0	—	4.0	4.0	965	1410	1800	2200	NU2234E	NJ2234E	NUP2234E	—	—	186	—	204	211	223	294	—	—	3	3	31	
	360	72	220.0	310.0	4.0	4.0	795	1010	1600	2000	NU334	NJ334	NUP334	N334	NF334	186	186	216	223	241	344	344	315	3	3	37	
	360	120	220.0	310.0	4.0	4.0	1420	2000	1400	1800	NU2334	NJ2334	NUP2334	N2334	—	186	186	216	223	241	344	344	315	3	3	59.5	
	180	280	46	205.0	255.0	2.1	2.1	399	597	2200	2600	NU1036	NJ1036	NUP1036	N1036	—	191	191	203	209	216	269	269	257	2	2	10.3
		320	52	218.0	282.0	4.0	4.0	495	675	1900	2200	NU236	NJ236	NUP236	N236	NF236	196	196	214	221	233	304	304	287	3	3	17.7
		320	52	217.0	—	4.0	4.0	595.6	797.2	1700	2000	NU236E	NJ236E	NUP236E	—	—	196	—	214	221	233	304	—	—	3	3	20.4
320		86	218.0	282.0	4.0	4.0	745	1140	1700	2000	NU2236	NJ2236	NUP2236	N2236	—	196	196	214	221	233	304	304	287	3	3	28.4	
320		86	215.0	—	4.0	4.0	927	1408	1700	2000	NU2236E	NJ2236E	NUP2236E	—	—	196	—	214	221	233	304	—	—	3	3	31.9	
380		75	232.0	328.0	4.0	4.0	966	1260	1500	1800	NU336	NJ336	NUP336	N336	NF336	196	196	227	235	255	364	364	333	3	3	44.2	
380		126	232.0	328.0	4.0	4.0	1420	2090	1300	1700	NU2336	NJ2336	NUP2336	N2336	—	196	196	227	235	255	364	364	333	3	3	69.5	

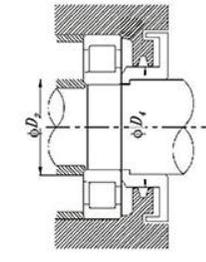
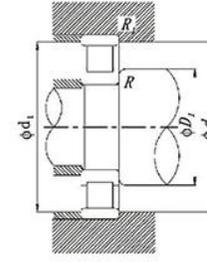
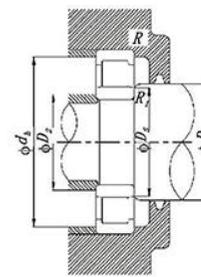
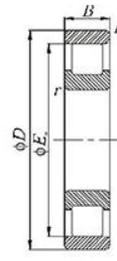
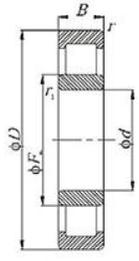
Cylindrical Roller Bearings



d 190~200mm

<i>d</i>	Main Dimensions (mm)					Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model			Nominal Model			Installation related dimensions (mm)							Reference Quality (kg)			
	<i>D</i>	<i>B</i>	<i>F_w</i>	<i>E_w</i>	<i>r</i> (Min)	<i>r</i> '	<i>C_r</i>	<i>C₀</i>	Grease	Oil	NU	NJ	NUP	N	NF	<i>D_s</i>	<i>D₁</i>	<i>D₂</i>	<i>D₃</i>	<i>D₄</i>	<i>d₁</i>	<i>d₂</i>		<i>R</i>	<i>R₁</i>	<i>R₂</i>
																Min	Min	Max	Min	Min	Max	Max		Min	Max	Max
190	290	46	215.0	265.0	2.1	2.1	365	535	2000	2600	NU1038	NJ1038	NUP1038	N1038	—	201	201	213	219	226	279	279	267	2	2	10.7
	340	55	231.0	299.0	4.0	4.0	555	770	1800	2200	NU238	NJ238	NUP238	N238	NF238	206	206	227	234	247	324	324	304	3	3	21.3
	340	55	230.0	—	4.0	4.0	695	955	1600	1900	NU238E	NJ238E	NUP238E	—	—	206	—	227	234	247	324	—	—	3	3	24.2
	340	92	231.0	299.0	4.0	4.0	830	1290	1600	2000	NU2238	NJ2238	NUP2238	N2238	—	206	206	227	234	247	324	324	304	3	3	34.4
	340	92	228.0	—	4.0	4.0	1090	1650	1600	1900	NU2238E	NJ2238E	NUP2238E	—	—	206	—	227	234	247	324	—	—	3	3	39.5
	400	78	245.0	345.0	5.0	5.0	1130	1430	1400	1700	NU338	NJ338	NUP338	N338	NF338	210	210	240	248	268	380	380	351	4	4	49.4
400	132	245.0	345.0	5.0	5.0	1520	2220	1300	1600	NU2338	NJ2338	NUP2338	N2338	—	210	210	240	248	268	380	380	351	4	4	80.5	
200	310	51	229.0	281.0	2.1	2.1	390	580	2000	2400	NU1040	NJ1040	NUP1040	N1040	—	211	211	226	233	241	299	299	283	2	2	13.9
	360	58	244.0	316.0	4.0	4.0	620	865	1700	2000	NU240	NJ240	NUP240	N240	NF240	216	216	240	247	261	344	344	321	3	3	25.3
	360	58	243.0	—	4.0	4.0	765	1060	1500	1800	NU240E	NJ240E	NUP240E	—	—	216	—	240	247	261	344	—	—	3	3	28.1
	360	98	244.0	316.0	4.0	4.0	925	1440	1500	1800	NU2240	NJ2240	NUP2240	N2240	—	216	216	240	247	261	344	344	321	3	3	41.3
	360	98	241.0	—	4.0	4.0	1220	1870	1500	1800	NU2240E	NJ2240E	NUP2240E	—	—	216	—	240	247	261	344	—	—	3	3	47.8
	420	80	260.0	360.0	5.0	5.0	975	1270	1300	1600	NU340	NJ340	NUP340	N340	NF340	220	220	254	263	283	400	400	366	4	4	55.8
420	138	260.0	360.0	5.0	5.0	1510	2240	1200	1500	NU2340	NJ2340	NUP2340	N2340	—	220	220	254	263	283	400	400	366	4	4	92.6	

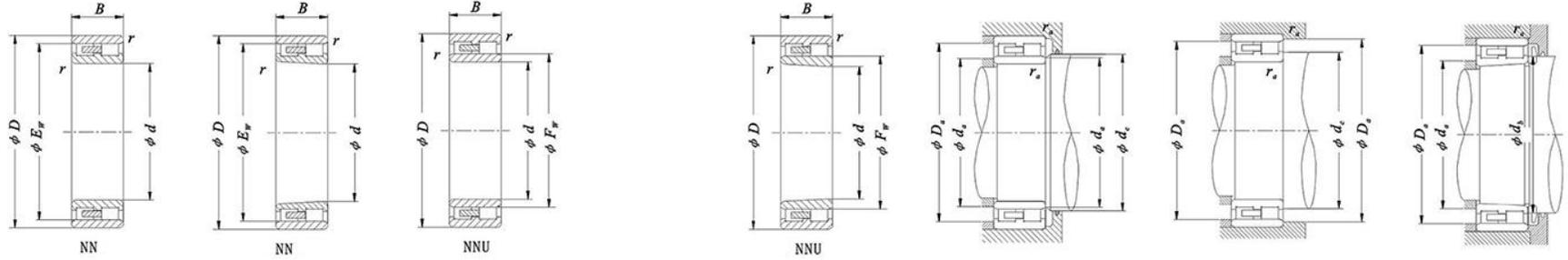
Cylindrical Roller Bearings



d 220~800mm

Main Dimensions (mm)						Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model		Nominal Model			Installation related dimensions (mm)							Reference Quality (kg)				
d	D	B	F _w	E _w	r (Min) r ₁	C _r	C _{0r}	Grease	Oil	NU	NJ	NUP	N	NF	D _s Min	D ₁ Min	D ₂ Max	D ₃ Min	D ₄ Min	D ₅ Max	d ₁ Min	d ₁ Max	R	R ₁	R ₂	
220	340	56	250	310	3 3	500	750	1800	2200	NU1044	NJ1044	NUP1044	N1044	—	233	233	247	254	283	327	327	313	2.5	2.5	18.2	
	400	65	270	350	4 4	760	1080	1500	1800	NU244	NJ244	NUP244	N244	NF244	236	236	264	273	289	384	384	357	3	3	37.3	
	400	108	270	350	4 4	1140	1810	1300	1600	NU2244	NJ2244	NUP2244	—	—	236	236	264	273	289	384	384	357	3	3	61.8	
	460	88	284	396	5 5	1190	1570	1200	1500	NU344	NJ344	NUP344	N344	—	240	240	278	287	307	440	440	403	4	4	74.6	
240	360	56	270	330	3 3	530	820	1600	2000	NU1048	NJ1048	NUP1048	N1048	—	253	253	266	275	—	347	347	333	2.5	2.5	19.5	
	440	72	295	385	4 4	935	1340	1300	1600	NU248	NJ248	NUP248	N248	NF248	256	256	289	298	316	424	424	292	3	3	50.5	
	440	120	295	385	4 4	1440	2320	1200	1500	NU2248	NJ2248	NUP2248	—	—	256	256	289	298	316	424	—	—	3	3	84.9	
	500	95	310	430	5 5	1360	1820	1100	1300	NU348	NJ348	NUP348	N348	—	260	260	304	313	333	480	480	438	4	4	94.6	
260	400	65	296	364	4 4	645	1000	1500	1800	NU1052	NJ1052	NUP1052	N1052	—	276	276	292	300	—	384	384	367	3	3	29.1	
	480	80	320	420	5 5	1100	1580	1200	1500	NU252	NJ252	NUP252	N252	NF252	280	280	314	323	343	460	460	428	4	4	67.1	
	480	130	320	420	5 5	1710	2770	1100	1300	NU2252	NJ2252	NUP2252	N2252	—	280	280	314	323	343	460	—	—	4	4	111	
	540	102	336	464	6 6	1540	2090	1000	1200	NU352	NJ352	NUP352	—	—	286	286	330	339	359	514	514	472	5	5	118	
280	420	65	316	384	4 4	660	1050	1400	1700	NU1056	NJ1056	NUP1056	N1056	—	296	296	312	320	—	404	404	387	3	3	30.8	
	500	80	340	440	5 5	1140	1680	1100	1400	NU256	NJ256	NUP256	N256	NF256	300	300	334	344	364	480	480	448	4	4	70.7	
300	460	74	340	420	4 4	885	1400	1300	1500	NU1060	NJ1060	NUP1060	—	—	316	316	336	344	—	444	444	424	3	3	43.7	
	540	85	364	476	5 5	1400	2070	1100	1300	NU260	NJ260	NUP260	N260	—	320	320	358	368	391	520	520	484	4	4	89.2	
320	480	74	360	440	4 4	905	1470	1200	1400	NU1064	NJ1064	NUP1064	—	—	336	336	356	365	—	464	464	444	3	3	46.1	
	580	92	390	510	5 5	1540	2270	950	1200	NU264	NJ264	NUP264	N264	NF264	340	340	384	394	420	560	560	519	4	4	112	
340	520	82	385	475	5 5	1080	1740	1100	1300	NU1068	NJ1068	NUP1068	N1068	—	360	360	381	390	—	500	500	479	4	4	61.8	
360	540	82	405	495	5 5	1110	1830	1000	1300	NU1072	NJ1072	NUP1072	N1072	—	380	380	400	410	—	520	520	499	4	4	64.6	
380	560	82	425	—	5 5	1140	1910	1000	1200	NU1076	—	—	—	—	—	400	420	430	—	540	—	—	4	4	67.5	
400	600	90	450	—	5 5	1360	2280	900	1100	NU1080	—	—	—	—	—	420	445	455	—	580	—	—	4	4	88.2	
420	620	90	450	—	5 5	1390	2380	850	1100	NU1084	—	—	—	—	—	440	465	475	—	600	—	—	4	4	91.7	
440	650	94	493	—	6 6	1470	2530	800	1000	NU1088	—	—	—	—	—	466	488	498	—	624	—	—	5	5	105	
460	680	100	516	—	6 6	1580	2740	750	950	NU1092	—	—	—	—	—	486	511	521	—	654	—	—	5	5	123	
480	700	100	536	—	6 6	1620	2860	750	900	NU1096	—	—	—	—	—	506	531	541	—	674	—	—	5	5	130	
500	720	100	556	—	6 6	1660	2970	710	850	NU10/500	—	—	—	—	—	526	551	558	—	694	—	—	5	5	131	
530	780	112	—	—	6 6	2290	4050	—	800	NU10/530	—	—	—	—	—	—	—	—	—	—	—	—	—	5	5	190
560	820	115	—	—	6 6	2330	4250	—	750	NU10/560	—	—	—	—	—	—	—	—	—	—	—	—	—	5	5	210
600	870	118	—	—	6 6	2750	5100	—	700	NU10/600	—	—	—	—	—	—	—	—	—	—	—	—	—	5	5	245
630	920	128	—	—	7.5 7.5	3410	6200	—	630	NU10/630	—	—	—	—	—	—	—	—	—	—	—	—	—	6	6	285
670	980	136	—	—	7.5 7.5	3740	6800	—	600	NU10/670	—	—	—	—	—	—	—	—	—	—	—	—	—	6	6	350
710	1030	140	—	—	7.5 7.5	4680	8500	—	560	NU10/710	—	—	—	—	—	—	—	—	—	—	—	—	—	6	6	415
750	1090	150	—	—	7.5 7.5	4730	8800	—	430	NU10/750	—	—	—	—	—	—	—	—	—	—	—	—	—	6	6	490
800	1150	155	—	—	7.5 7.5	5500	10600	—	400	NU10/800	—	—	—	—	—	—	—	—	—	—	—	—	—	6	6	560

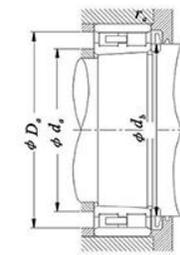
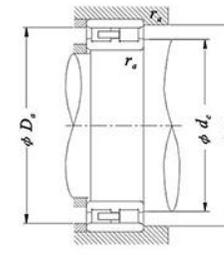
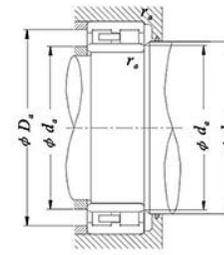
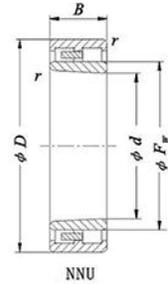
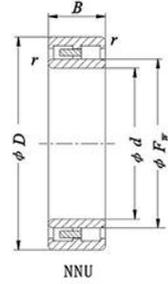
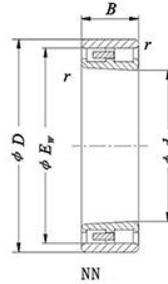
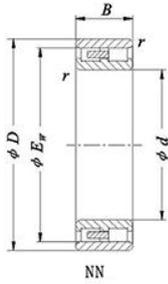
Cylindrical Roller Bearings



d 25~105 mm

Main Dimensions (mm)						Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model		Installation related dimensions (mm)						Reference Quality (kg)		
<i>d</i>	<i>D</i>	<i>B</i>	<i>F_w</i>	<i>E_w</i>	<i>r</i> (Min)	<i>C_r</i>	<i>C_{0r}</i>	Grease	Oil	NN	NN	<i>d_s</i> Min	<i>d_s</i> Max	<i>d_s</i> Min	<i>d_s</i> Min	<i>D_s</i> Max	<i>D_s</i> Min	<i>r_s</i> Max	NN	NN
25	47	16	—	41.3	0.6	25.8	30.0	14,000	17,000	NN3005	NN3005K	29	—	29	—	43	42	0.6	0.125	0.122
30	55	19	—	48.5	1.0	31.0	37.0	12,000	14,000	NN3006	NN3006K	35	—	36	—	50	50	1	0.199	0.193
35	62	20	—	55.0	1.0	39.5	50.0	10,000	12,000	NN3007	NN3007K	40	—	41	—	57	56	1	0.243	0.236
40	68	21	—	61.0	1.0	48.7	64.6	9,000	11,000	NN3008	NN3008K	45	—	46	—	63	62	1	0.311	0.302
45	75	23	—	67.5	1.0	57.6	78.9	8,500	10,000	NN3009	NN3009K	50	—	51	—	70	69	1	0.405	0.393
50	80	23	—	72.5	1.0	65.4	90.6	7,500	9,000	NN3010	NN3010K	55	—	56	—	75	74	1	0.436	0.419
55	90	26	—	81.0	1.1	75.7	108.0	6,700	8,000	NN3011	NN3011K	61.5	—	62	—	83.5	83	1	0.648	0.63
60	95	26	—	86.1	1.1	77.4	114.0	6,300	7,500	NN3012	NN3012K	66.5	—	67	—	88.5	88	1	0.694	0.681
65	100	26	—	91.0	1.1	81.5	124.0	6,000	7,100	NN3013	NN3013K	71.5	—	72	—	93.5	93	1	0.74	0.731
70	110	30	—	100.0	1.1	98.8	151.0	5,600	6,700	NN3014	NN3014K	76.5	—	77	—	103.5	102	1	1.07	1.01
75	115	30	—	105.0	1.1	96.5	149.0	5,300	6,300	NN3015	NN3015K	81.5	—	82	—	108.5	107	1	1.14	1.11
80	125	34	—	113.0	1.1	123.0	194.0	4,800	6,000	NN3016	NN3016K	86.5	—	87	—	118.5	115	1	1.53	1.48
85	130	34	—	118.0	1.1	126.0	203.0	4,500	5,600	NN3017	NN3017K	91.5	—	92	—	123.5	120	1	1.63	1.55
90	140	37	—	127.0	1.5	143.0	228.0	4,300	5,000	NN3018	NN3018K	98	—	99	—	132	129	1.5	2.12	2.01
95	145	37	—	132.0	1.5	154.0	255.0	4,000	5,000	NN3019	NN3019K	103	—	104	—	137	134	1.5	2.21	2.09
100	140	40	113.0	—	1.1	155.0	295.0	4,000	5,000	NNU4920	NNU4920K	106.5	111	108	115	133.5	—	1	1.83	1.75
	140	40	—	129.0	1.1	155.0	295.0	4,000	5,000	NN4920	NN4920K	106.5	—	108	—	133.5	131	1	1.75	1.67
	150	37	—	137.0	1.5	161.0	274.0	4,000	4,800	NN3020	NN3020K	108	—	109	—	142	139	1.5	2.26	2.19
105	145	40	118.0	—	1.1	161.0	315.0	3,800	4,800	NNU4921	NNU4921K	111.5	116	113	120	138.5	—	1	1.91	1.82
	145	40	—	134.0	1.1	161.0	315.0	3,800	4,800	NN4921	NN4921K	111.5	—	113	—	138.5	136	1	1.82	1.73
	160	41	—	146.0	2.0	201.0	328.0	3,800	4,500	NN3021	NN3021K	114	—	115	—	151	148	2	2.88	2.79

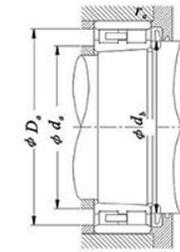
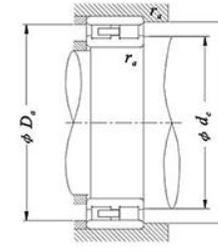
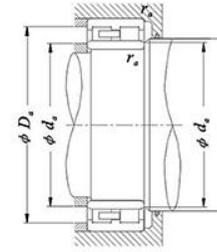
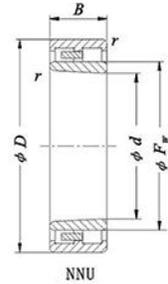
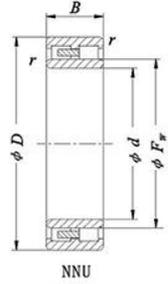
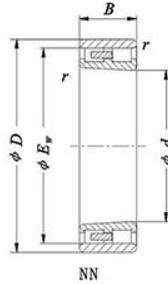
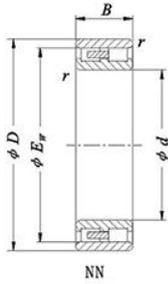
Cylindrical Roller Bearings



d 110~200 mm

Main Dimensions (mm)						Basic Load (kN)		Limit Speed (r/min)		Nominal Model		Installation related dimensions (mm)						Reference Quality (kg)		
d	D	B	F_w	E_w	r (Min)	C_r	C_w	Grease	Oil	NN	NN	d_a Min	d_a Max	d_s Min	d_s Min	D_s Max	D_s Min	r_s Max	NN	NN
110	150	40	122.0	—	1.1	167.0	335.0	3,600	4,500	NNU4922	NNU4922K	116.5	121	118	125	143.5	—	1	1.99	1.9
	150	40	—	139.0	1.1	167.0	335.0	3,600	4,500	NN4922	NN4922K	116.5	—	118	—	143.5	141	1	1.9	1.81
	170	45	—	155.0	2.0	231.0	380.0	3,400	4,300	NN3922	NN3922K	119	—	121	—	161	157	2	3.69	3.56
120	165	45	133.5	—	1.1	183.0	360.0	3,200	4,000	NNU4924	NNU4924K	126.5	133	128	137	158.5	—	1	2.75	2.63
	165	45	—	154.5	1.1	183.0	360.0	3,200	4,000	NN4924	NN4924K	127	—	128	—	158.5	157	1	2.63	2.51
	180	46	—	165.0	2.0	229.0	241.0	3,200	3,800	NN3024	NN3024K	129	—	131	—	171	167	2	4.04	3.92
130	180	50	146.0	—	1.5	238.0	487.0	3,000	3,800	NNU4926	NNU4926K	138	143	140	148	172	—	1.5	3.85	3.65
	180	50	—	168.0	1.5	238.0	487.0	3,000	3,800	NN4926	NN4926K	138	—	140	—	172	170	1.5	3.65	3.46
	200	52	—	182.0	2.0	265.0	457.0	3,000	3,600	NN3926	NN3926K	139	—	141	—	191	185	2	5.88	5.71
140	190	50	154.0	—	1.5	183.0	585.0	2,800	3,600	NNU4928	NNU4928K	148	153	150	158	182	—	1.5	4.1	3.9
	190	50	—	178.0	1.5	283.0	585.0	2,800	3,600	NN4928	NN4928K	148	—	150	—	182	180	1.5	4.1	3.9
	210	53	—	192.0	2.0	270.0	477.0	2,800	3,400	NN3028	NN3028K	149	—	151	—	201	195	2	6.44	6.21
150	210	60	167.0	—	2.0	350.0	715.0	2,600	3,200	NNU4930	NNU4930K	159	166	162	171	201	—	2	6.18	5.9
	210	60	—	196.5	2.0	350.0	715.0	2,600	3,200	NN4930	NN4930K	159	—	162	—	201	199	2	5.9	5.62
	225	56	—	206.0	2.1	335.0	585.0	2,600	3,000	NN3930	NN3930K	161	—	162	—	214	209	2	7.81	7.53
160	220	60	177.0	—	2.0	365.0	760.0	2,400	3,000	NNU4932	NNU4932K	169	176	172	182	211	—	2	6.53	6.23
	220	60	—	206.5	2.0	365.0	760.0	2,400	3,000	NN4932	NN4932K	169	—	172	—	211	209	2	6.24	5.94
	240	60	—	219.0	2.1	375.0	660.0	2,400	2,800	NN3032	NN3032K	171	—	172	—	229	222	2	8.92	8.59
170	230	60	187.0	—	2.0	375.0	805.0	2,400	2,800	NNU4934	NNU4934K	179	186	182	192	221	—	2	6.87	6.55
	230	60	—	216.5	2.0	375.0	805.0	2,400	2,800	NN4934	NN4934K	179	—	182	—	221	219	2	6.56	6.24
	260	67	—	236.0	2.1	450.0	805.0	2,200	2,600	NN3934	NN3934K	181	—	183	—	249	239	2	12.6	12.2
180	250	69	200.0	—	2.0	480.0	1020.0	2,200	2,600	NNU4936	NNU4936K	189	199	193	205	241	—	2	9.9	9.46
	250	69	—	234.0	2.0	480.0	1020.0	2,200	2,600	NN4936	NN4936K	189	—	193	—	241	236	2	9.45	9.01
	280	74	—	255.0	2.1	565.0	995.0	2,000	2,400	NN3036	NN3036K	191	—	193	—	269	258	2	16.6	16
190	260	69	212.0	—	2.0	464.0	997.0	2,000	2,600	NNU4938	NNU4938K	199	209	205	215	251	—	2	10.3	9.93
	260	69	—	244.0	2.0	464.0	997.0	2,000	2,600	NN4938	NN4938K	199	—	205	—	251	246	2	9.92	9.47
	290	75	—	265.0	2.1	595.0	1080.0	2,000	2,400	NN3938	NN3938K	201	—	207	—	279	267	2	18	17.4
200	280	80	223.0	—	2.1	570.0	1220.0	1,900	2,400	NNU4940	NNU4940K	211	222	218	228	269	—	2	14.7	14
	280	80	—	261.0	2.1	575.0	1220.0	1,900	2,400	NN4940	NN4940K	211	—	218	—	269	264	2	14	13.3
	310	82	—	282.0	2.1	707.0	1260.0	1,800	2,200	NN3040	NN3040K	211	—	218	—	299	285	2	21.7	20.8

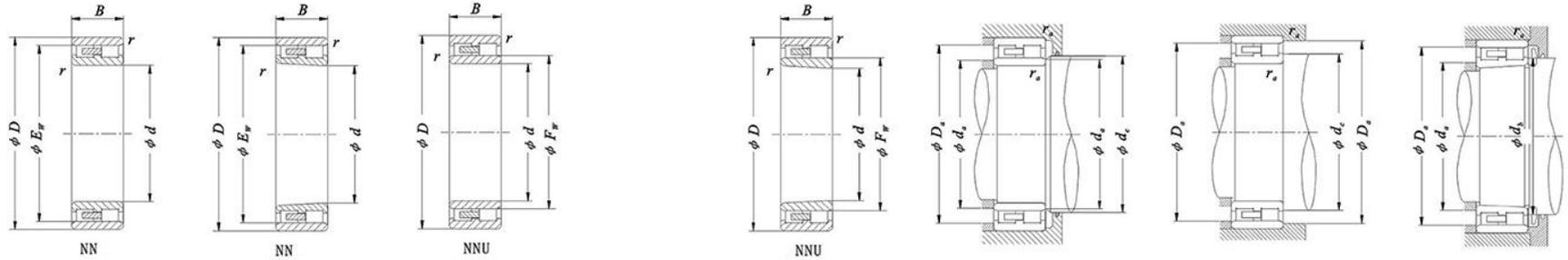
Cylindrical Roller Bearings



d 220~300 mm

Main Dimensions (mm)						Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model		Installation related dimensions (mm)						Reference Quality (kg)			
<i>d</i>	<i>D</i>	<i>B</i>	<i>F_w</i>	<i>E_w</i>	<i>r</i> (Min)	<i>C_r</i>	<i>C_{0r}</i>	Grease	Oil	NN	NN	<i>d_a</i> Min	<i>d_a</i> Max	<i>d_s</i> Min	<i>d_s</i> Max	<i>D_s</i> Min	<i>D_s</i> Max	<i>r_s</i> Min	<i>r_s</i> Max	NN	NN
220	300	80	243.0	—	2.1	600.0	1330.0	1,700	2,200	NNU4944	NNU4944K	231	242	238	248	289	—	2	—	15.9	15.2
	300	80	—	281.0	2.1	600.0	1330.0	1,700	2,200	NN4944	NN4944K	231	—	238	—	289	284	2	—	15.2	14.4
	340	90	—	310.0	3.0	815.0	1480.0	1,700	2,000	NN3044	NN3044K	233	—	240	—	327	313	2.5	—	29.3	28.2
240	320	80	265.0	—	2.1	637.0	1480.0	1,600	2,000	NNU4948	NNU4948K	251	262	258	269	309	—	2	—	17.3	16.5
	320	80	—	301.0	2.1	512.0	1140.0	1,600	2,000	NN4948	NN4948K	251	—	258	—	309	304	2	—	16.4	15.6
	360	92	—	330.0	3.0	855.0	1660.0	1,500	1,800	NN3048	NN3048K	253	—	261	—	347	333	2.5	—	32.9	31.7
260	360	100	284.0	—	2.1	991.0	2070.0	1,400	1,800	NNU4952	NNU4952K	271	288	279	296	349	—	2	—	29.7	28.4
	360	100	—	336.0	2.1	748.0	1700.0	1,400	1,800	NN4952	NN4952K	271	—	279	—	349	339	2	—	28.3	27
	400	104	—	364.0	4.0	1030.0	1920.0	1,400	1,700	NN3052	NN3052K	276	—	285	—	384	367	3	—	47.4	45.8
280	380	100	309.0	—	2.1	960.0	2230.0	1,300	1,700	NNU4956	NNU4956K	291	308	299	316	369	—	2	—	31.6	30.2
	380	100	—	356.0	2.1	960.0	2230.0	1,300	1,700	NN4956	NN4956K	291	—	299	—	369	359	2	—	30.2	28.8
	420	106	—	384.0	4.0	1109.0	2150.0	1,300	1,500	NN3056	NN3056K	296	—	305	—	404	387	3	—	51.1	49.3
300	420	118	336.0	—	3.0	1230.0	2870.0	1,200	1,500	NNU4960	NNU4960K	313	335	323	343	407	—	2.5	—	48.5	46.3
	420	118	—	391.0	3.0	1626.0	3924.0	1,200	1,500	NN4960	NN4960K	313	—	323	—	407	394	2.5	—	46.3	44.1
	460	118	—	418.0	4.0	1290.0	2460.0	1,200	1,400	NN3960	NN3960K	316	—	326	—	444	421	3	—	70.8	68.6

Cylindrical Roller Bearings



d 320~1000mm

Main Dimensions (mm)						Basic Rated Load (kN)		Limit Speed (r/min)		Nominal Model		Installation related dimensions (mm)						Reference Quality (kg)		
<i>d</i>	<i>D</i>	<i>B</i>	<i>F_w</i>	<i>E_w</i>	<i>r_r</i> (Min)	<i>C_r</i>	<i>C_{0r}</i>	Grease	Oil	NN	NN	<i>d_a</i> Min	<i>d_a</i> Max	<i>d_s</i> Min	<i>d_s</i> Max	<i>D_s</i> Min	<i>D_s</i> Max	<i>r_s</i>	NN	NN
320	440	118	356.0	—	3.0	1260.0	3050.0	1,100	1,400	NNU4964	NNU4964K	333	355	338	363	427	—	2.5	54.9	—
	480	121	—	438.0	4.0	1350.0	2670.0	1,100	1,300	NN3064	NN3064K	336	—	340	—	464	442	3	76.6	—
340	520	133	—	473.0	5.0	1670.0	3300.0	1,000	1,200	NN3068	NN3068K	360	—	365	—	500	477	4	102	—
360	540	134	—	493.0	5.0	1700.0	3450.0	950	1,200	NN3072	NN3072K	380	—	385	—	520	497	4	106	—
380	560	180	—	—	5.0	2860.0	6000.0	—	1,000	NNU4076M	NNU4076KM	—	—	—	—	—	—	4	150	—
400	600	200	—	—	5.0	3470.0	7200.0	—	950	NNU4080F	NNU4080KF	—	—	—	—	—	—	4	205	—
420	620	200	—	—	5.0	3520.0	7500.0	—	900	NNU4084M	NNU4084KM	—	—	—	—	—	—	4	183	—
440	650	212	—	—	6.0	3910.0	8300.0	—	850	NNU4088M	NNU4088KM	—	—	—	—	—	—	5	215	—
460	680	218	—	—	6.0	4290.0	9300.0	—	800	NNU4092M	NNU4092KM	—	—	—	—	—	—	5	240	—
480	700	218	—	—	6.0	4400.0	9650.0	—	750	NNU4096M	NNU4096KM	—	—	—	—	—	—	5	275	—
500	720	218	—	—	6.0	4460.0	10000.0	—	750	NNU40/500M	NNU40/500KM	—	—	—	—	—	—	5	287	—
530	780	250	—	—	6.0	5500.0	12200.0	—	670	NNU40/530M	NNU40/530KM	—	—	—	—	—	—	5	420	—
560	820	258	—	—	6.0	5720.0	12900.0	—	630	NNU40/560M	NNU40/560KM	—	—	—	—	—	—	5	475	—
600	870	272	—	—	6.0	6820.0	15600.0	—	600	NNU40/600M	NNU40/600KM	—	—	—	—	—	—	5	530	—
630	920	290	—	—	7.5	7650.0	17600.0	—	560	NNU40/630M	NNU40/630KM	—	—	—	—	—	—	6	635	—
670	980	308	—	—	7.5	8420.0	19600.0	—	500	NNU40/670M	NNU40/670KM	—	—	—	—	—	—	6	765	—
710	1030	315	—	—	7.5	9350.0	21600.0	—	480	NNU40/710M	NNU40/710KM	—	—	—	—	—	—	6	850	—
750	1090	335	—	—	7.5	10200.0	24000.0	—	430	NNU40/750M	NNU40/750KM	—	—	—	—	—	—	6	925	—
800	1150	345	—	—	7.5	10800.0	26000.0	—	400	NNU40/800M	NNU40/800KM	—	—	—	—	—	—	6	1140	—
850	1220	365	—	—	7.5	11700.0	28500.0	—	360	NNU40/850M	NNU40/850KM	—	—	—	—	—	—	6	1340	—
900	1280	375	—	—	7.5	12800.0	31500.0	—	340	NNU40/900M	NNU40/900KM	—	—	—	—	—	—	6	1500	—
950	1360	412	—	—	7.5	14200.0	35500.0	—	320	NNU40/950M	NNU40/950KM	—	—	—	—	—	—	6	1900	—
1000	1420	412	—	—	7.5	15400.0	38000.0	—	300	NNU40/1000M	NNU40/1000KM	—	—	—	—	—	—	6	2000	—

PLEASE
CONTACT
US

Email:
sales@yuanhecd.com



YUANHE

THANK
YOU