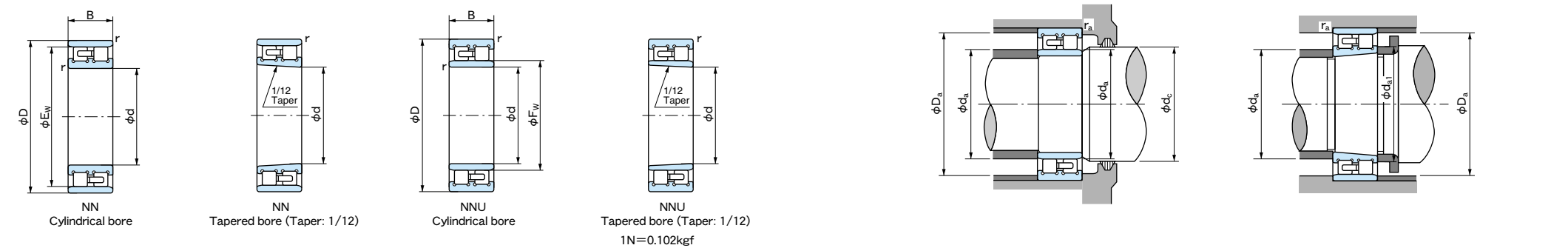


Double-row Cylindrical Roller Bearings

Bore Diameter : 25~320mm



Boundary dimensions (mm)						Bearing No.		Basic dynamic load rating	Basic static load rating	Limiting speed (rpm)		Abutment and fillet dimensions (mm)							Mass (kg)		Bearing No.
d	D	B	E _W	F _W	r (min)	Cylindrical bore	Tapered bore			Cr (N)	Cor (N)	Grease lubrication	Oil lubrication	d _a (min)	d _a (max)	d _{a1} (min)	d _c (min)	D _a (max)	D _a (min)	r _a (max)	
25 30 35	47 55 62	16 19 20	41.3 48.5 55	— — —	0.6 1 1	NN3005 NN3006 NN3007	NN3005K NN3006K NN3007K	25700 30500 39000	30000 37000 50000	15000 12000 11000	17000 15000 13000	30 36 41	— — —	30 37 42	— — —	42 49 56	41.8 49 56	0.6 1 1	0.123 0.199 0.258	NN3005K NN3006K NN3007K	
40 45 50	68 75 80	21 23 23	61 67.5 72.5	— — —	1 1 1	NN3008 NN3009 NN3010	NN3008K NN3009K NN3010K	43000 49500 52500	55500 65500 72500	9800 8800 8200	11000 10000 9600	46 51 56	— — —	48 52 58	— — —	62 69 74	62 69 74	1 1 1	0.312 0.405 0.454	NN3008K NN3009K NN3010K	
55 60 65	90 95 100	26 26 26	81 86.1 91	— — —	1.1 1.1 1.1	NN3011 NN3012 NN3013	NN3011K NN3012K NN3013K	69000 73000 76500	96500 106000 116000	7300 6800 6400	8600 8000 7600	62 67 72	— — —	64 68 74	— — —	83 88 93	82 87 92	1 1 1	0.651 0.704 0.758	NN3011K NN3012K NN3013K	
70 75 80	110 115 125	30 30 34	100 105 113	— — —	1.1 1.1 1.1	NN3014 NN3015 NN3016	NN3014K NN3015K NN3016K	97000 96000 118000	148000 149000 186000	5700 5500 5000	6800 6400 6000	77 82 87	— — —	78 84 90	— — —	103 108 118	101 106 114	1 1 1	1.04 1.14 1.52	NN3014K NN3015K NN3016K	
85 90 95	130 140 145	34 37 37	118 127 132	— — —	1.1 1.5 1.5	NN3017 NN3018 NN3019	NN3017K NN3018K NN3019K	125000 142000 150000	201000 228000 246000	4800 4500 4300	5600 5200 5000	92 98.5 103.5	— — —	96 100 106	— — —	123 131.5 136.5	119 129 134	1 1.5 1.5	1.61 2.07 2.17	NN3017K NN3018K NN3019K	
100 105	140 145 160	40 37 41	— 137 146	113 — —	1.1 1.5 1.1	NNU4920 NN3020 NNU4921 NN3021	NNU4920K NN3020K NNU4921K NN3021K	155000 156000 161000 197000	305000 265000 325000 320000	4200 4000 4000 3800	5000 4700 4800 4400	106.5 108.5 111.5 115	111 — 116 —	110 112 115 116	115 — 120 —	133.5 141.5 138.5 150	— 139 1 148	1 1.5 1 2	1.77 2.26 1.85 2.89	NNU4920K NN3020K NNU4921K NN3021K	
110 120	150 170 180	40 45 46	— 155 165	123 — 134.5	1.1 2 1.1	NNU4922 NN3022 NNU4924 NN3024	NNU4922K NN3022K NNU4924K NN3024K	165000 227000 183000 238000	335000 375000 360000 405000	3900 3600 3500 3300	4600 4200 4200 3900	116.5 120 126.5 130	121 — 133 —	120 122 130 132	125 — 137 —	143.5 160 158.5 170	— 157 1 167	1 2 1 2	1.93 3.68 2.65 3.98	NNU4922K NN3022K NNU4924K NN3024K	
130 140	180 200 190 210	50 52 53	— 182 —	146 — 156	1.5 2 1.5	NNU4926 NN3026 NNU4928 NN3028	NNU4926K NN3026K NNU4928K NN3028K	275000 283000 281000 297000	565000 475000 585000 515000	3200 3000 3000 2800	3800 3500 3600 3300	138 140 148 150	144 — 154 —	142 144 151 154	148 — 158 —	172 190 182 200	— 183 — 194	1.5 2 1.5 2	3.55 5.92 3.80 6.44	NNU4926K NN3026K NNU4928K NN3028K	
150 160	210 225 220 240	60 56 60	— 206 —	168.5 — 178.5	2 2.1 2	NNU4930 NN3030 NNU4932 NN3032	NNU4930K NN3030K NNU4932K NN3032K	350000 335000 365000 370000	715000 585000 665000 660000	2700 2600 2600 2500	3300 3100 3100 2900	159 162 169 172	166 — 176 —	162 164 172 174	171 — 182 —	201 213 211 228	— 208 2 221	2 2 2 2	5.95 7.81 6.25 8.92	NNU4930K NN3030K NNU4932K NN3032K	
170 180	230 260 250 280	60 67 69 74	— 236 —	188.5 — 202	2 2.1 2	NNU4934 NN3034 NNU4936 NN3036	NNU4934K NN3034K NNU4936K NN3036K	375000 450000 480000 560000	805000 805000 1020000 995000	2400 2300 2200 2100	2900 2700 2700 2500	179 182 189 192	186 — 199 —	182 184 194 196	192 — 205 —	221 248 241 268	— 238 — 257	2 2 2 2	6.60 12.6 9.50 16.6	NNU4934K NN3034K NNU4936K NN3036K	
190 200	260 290 280 310	69 75 80 82	— 265 —	212 — 225	2 2.1 2	NNU4938 NN3038 NNU4940 NN3040	NNU4938K NN3038K NNU4940K NN3040K	485000 590000 570000 650000	1060000 1080000 1220000 1170000	2100 2000 2000 1900	2600 2400 2400 2200	199 202 211 212	209 — 222 —	204 206 214 216	215 — 228 —	251 278 269 298	— 267 — 285	2 2 2 2	10.0 17.5 10.1 21.6	NNU4938K NN3038K NNU4940K NN3040K	
220 240	300 340 320 360	80 90 80 92	— 310 —	245 — 265	2.1 3 2.1	NNU4944 NN3044 NNU4948 NN3048	NNU4944K NN3044K NNU4948K NN3048K	595000 810000 610000 850000	1330000 1480000 1410000 1600000	1800 1700 1700 1600	2200 2000 2000 1900	231 234 251 254	242 — 262 —	238 234 254 256	248 — 269 —	289 326 309 346	— 313 — 333	2 2.5 2 2.5	15.5 28.4 17.0 31.8	NNU4944K NN3044K NNU4948K NN3048K	
260 280	360 400 380 420	100 104 100 106	— 364 —	292 — 312	2.1 4 2.1	NNU4952 NN3052 NNU4956 NN3056	NNU4952K NN3052K NNU4956K NN3056K	925000 1080000 950000 1080000	2100000 2070000 2230000 2080000	1500 1400 1400 1300	1800 1700 1700 1600	271 278 291 298	288 — 308 —	276 280 296 300	296 — 316 —	349 382 369 402	— 367 — 387	2 3 2 3	28.3 46.0 30.3 49.6	NNU4952K NN3052K NNU4956K NN3056K	
300 320	420 460 440 480	118 118 118 121	— 418 —	339 — 359	3 4 3	NNU4960 NN3060 NNU4964 NN3064	NNU4960K NN3060K NNU4964K NN3064K	1220000 1430000 1270000 1430000	2880000 2740000 3050000 2750000	1300 1200 1200 1200	1500 1400 1400 1400	313 318 333 338	335 — 335 —	320 325 340 345	343 — 363 —	407 442 427 462	— 421 — 442	2.5 3 2.5 3	46.7 68.7 49.6 74.0	NNU4960K NN3060K NNU4964K NN3064K	

Note: Suffix K means with a tapered bore (1/12)