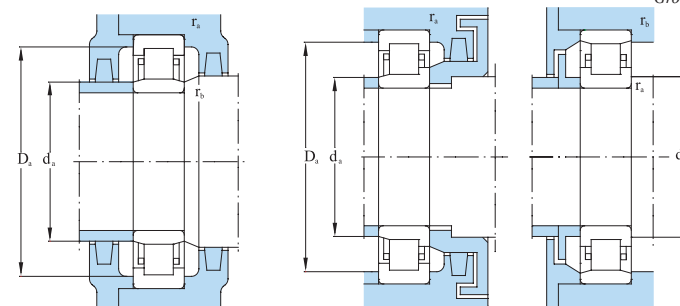
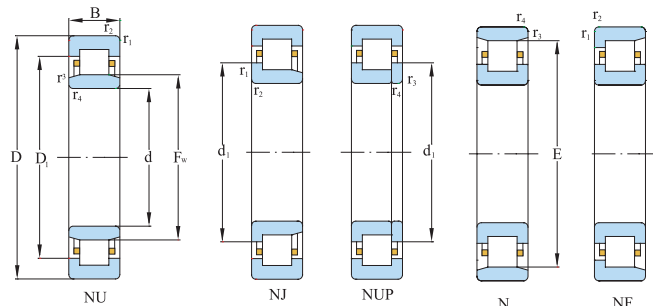




Harbin Bearing
Group Corporation

Cylindrical roller bearings



Bearing designations					Boundary dimensions							Basic load ratings	
NU type	NJ	NUP	N	NF	d	D	B	r _{1,2} min	r _{3,4} min	Fw	Ew	Cr	Cor
					mm							kN	
NU203E	NJ	NUP	N	NF	17	40	12	0.6	0.3	22.1	35.1	17.2	14.1
NU1004	NJ	NUP	N	NF		42	12	0.6	0.3	25.5	36.5	12.3	10.3
NU204E	NJ	NUP	N	NF		47	14	1	0.6	26.5	41.5	25.2	22.1
NU2204E	NJ	NUP	N	NF	20	47	18	1	0.6	26.5	41.5	29.7	27.5
NU304E	NJ	NUP	N	NF		52	15	1.1	0.6	27.5	45.5	30.5	25.7
NU2304E	NJ	NUP	N	NF		52	21	1.1	0.6	27.5	45.5	42	39
NU1005	NJ	NUP	N	NF		47	12	0.6	0.3	30.5	41.5	13	11.6
NU205E	NJ	NUP	N	NF		52	15	1	0.6	31.5	46.5	28.7	27
NU2205E	NJ	NUP	N	NF	25	52	18	1	0.6	31.5	46.5	34.1	34
NU305E	NJ	NUP	N	NF		62	17	1.1	1.1	34	54	41.6	35.9
NU2305E	NJ	NUP	N	NF		62	24	1.1	1.1	34	54	56.1	55
NU1006	NJ	NUP	N	NF		55	13	1	0.6	36.5	48.5	17.9	17.3
NU206E	NJ	NUP	N	NF		62	16	1	0.6	37.5	55.5	37.5	36.5
NU2206E	NJ	NUP	N	NF	30	62	20	1	0.6	37.5	55.5	48.4	49
NU306E	NJ	NUP	N	NF		72	19	1.1	1.1	40.5	62.5	51.6	48.4
NU2306E	NJ	NUP	N	NF		72	27	1.1	1.1	40.5	62.5	73.7	75
NU406	NJ	NUP	N	NF		90	23	1.5	1.5	45	73	60.5	53
NU1007	NJ	NUP	N	NF		62	14	1	0.6	42	55	35.8	38
NU207E	NJ	NUP	N	NF		72	17	1.1	0.6	44	64	48.7	48.2
NU2207E	NJ	NUP	N	NF	35	72	23	1.1	0.6	44	64	59.4	63
NU307E	NJ	NUP	N	NF		80	21	1.5	1.1	46.2	70.2	65	53.3
NU2307E	NJ	NUP	N	NF		80	31	1.5	1.1	46.2	70.2	91.3	98
NU407	NJ	NUP	N	NF		100	25	1.5	1.5	53	83	76.5	69.5
NU1008	NJ	NUP	N	NF		68	15	1	0.6	47	61	25.1	26
NU208E	NJ	NUP	N	NF		80	18	1.1	1.1	49.5	71.5	53.9	53.2
NU2208E	NJ	NUP	N	NF	40	80	23	1.1	1.1	49.5	71.5	70.4	75
NU308E	NJ	NUP	N	NF		90	23	1.5	1.5	52	80	80.4	78
NU2308E	NJ	NUP	N	NF		90	33	1.5	1.5	52	80	112	120
NU408	NJ	NUP	N	NF		110	27	1.5	1.5	58	92	96.8	90
NU1009	NJ	NUP	N	NF		75	16	1	0.6	52.5	67.5	44.6	52
NU209E	NJ	NUP	N	NF	45	85	19	1.1	1.1	54.5	76.5	61.3	64.1
NU2209E	NJ	NUP	N	NF		85	23	1.1	1.1	54.5	76.5	76.2	81.5

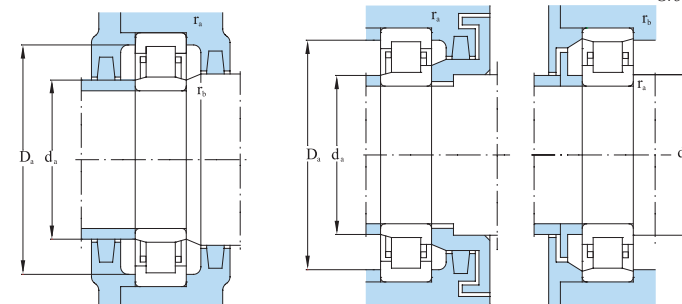
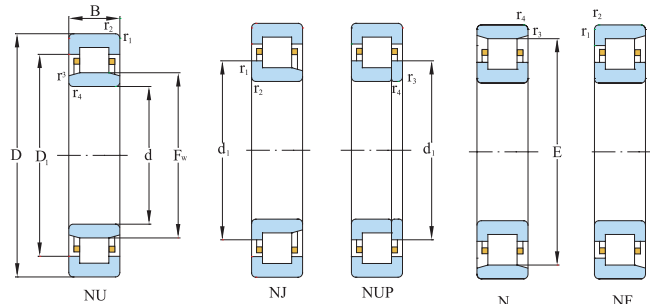
Limiting speeds		Other dimensions		Abutment and fillet dimensions					Mass
Grease	Oil	D ₁	d ₁	d _a min	D _a max	D _a min	r _a max	r _b max	
r/min		mm		mm					kg
16000	19000	32.5	24.9	19	36	37	0.6	0.3	0.066
17000	20000	33.7	28.3						0.077
13000	16000	38.5	29.7	24	42	43	1	0.6	0.108
13000	16000	38.5	29.7	24	42	43	1	0.6	0.12
12000	15000	42.3	31.2	24	45.5	47	1	0.6	0.149
11000	14000	42.3	31.2	24	45.5	47	1	0.6	0.18
15000	18000	38.7	33.3	27	43		0.6	0.3	0.091
11000	14000	43.5	34.7	29	47	48	1	0.6	0.13
11000	14000	43.5	34.7	29	47	48	1	0.6	0.14
9500	12000	50.4	38.1	31.5	55.5	56	1	1	0.237
9000	11000	50.4	38.1	31.5	55.5	56	1	1	0.25
12000	15000	45.7		34	50		1	0.6	0.12
9500	12000	51.9	41.3	34	57	57	1	0.6	0.2
9500	12000	51.9	41.3	34	57	57	1	0.6	0.27
9000	11000	58.5	45	36.5	65.5	64	1	1	0.36
8000	9500	58.5	45	36.5	65.5	64	1	1	0.53
7500	9000	66.6	50.5	38	82		1.5	1.5	0.75
10000	13000	51.9		38	57		1	0.6	0.18
8500	10000	60.7	48.3	39	65.5	66	1	0.6	0.296
8500	10000	60.7	48.3	39	65.5	66	1	0.6	0.4
8000	9500	66.3	51.5	41.5	72	72	1.5	1	0.472
7000	8500	66.3	51.5	41.5	72	72	1.5	1	0.72
6700	8000	76.1	59	43	92		1.5	1.5	1
9500	12000	57.6		44	63		1	0.6	0.22
7500	9000	67.1	54.2	46.5	73.5	73	1	1	0.368
7500	9000	67.1	54.2	46.5	73.5	73	1	1	0.49
6700	8000	75.4	57.7	48	82	82	1.5	1.5	0.636
6700	8000	75.4	57.7	48	82	82	1.5	1.5	0.95
6000	7000	84.2	64.8	49	101		2	2	1.3
9000	11000	65.3		49	101		1	0.6	0.26
6700	8000	72.1	59.2	51.5	78.5	78	1	1	0.424
6700	8000	72.1	59.2	51.5	78.5	78	1	1	0.52





Harbin Bearing
Group Corporation

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Bearing designations					Boundary dimensions							Basic load ratings	
NU type	NJ	NUP	N	NF	d	D	B	r _{1,2} min	r _{3,4} min	F _w	E _w	Cr	Cor
					mm							kN	
NU309E	NJ	NUP	N	NF	45	100	25	1.5	1.5	58.5	88.5	97.6	98.3
NU2309E	NJ	NUP	N	NF		100	36	1.5	1.5	58.5	88.5	138	153
NU409	NJ	NUP	N	NF		120	29	2	2	64.5	100.5	106	102
NU1010	NJ	NUP	N	NF	50	80	16	1	0.6	57.5	72.5	30.1	33.1
NU210E	NJ	NUP	N	NF		90	20	1.1	1.1	59.5	81.5	64.1	69.3
NU2210E	NJ	NUP	N	NF		90	23	1.1	1.1	59.5	81.5	79.2	88
NU310E	NJ	NUP	N	NF		110	27	2	2	65	97	110	113
NU2310E	NJ	NUP	N	NF		110	40	2	2	65	97	161	186
NU410	NJ	NUP	N	NF	55	130	31	2.1	2.1	70.8	110.8	130	127
NU1011	NJ	NUP	N	NF		90	18	1.1	1	64.5	80.5	36.9	42.6
NU211E	NJ	NUP	N	NF		100	21	1.5	1.1	66	90	84.2	96.7
NU2211E	NJ	NUP	N	NF		100	25	1.5	1.1	66	90	99	118
NU311E	NJ	NUP	N	NF		120	29	2	2	70.5	106.5	134	141
NU2311E	NJ	NUP	N	NF	60	120	43	2	2	70.5	106.5	201	232
NU411	NJ	NUP	N	NF		140	33	2.1	2.1	77.2	117.2	142	140
NU1012	NJ	NUP	N	NF		95	18	1.1	1	69.5	85.5	37.4	44
NU212E	NJ	NUP	N	NF		110	22	1.5	1.5	72	100	93.9	102
NU2212E	NJ	NUP	N	NF		110	28	1.5	1.5	72	100	128	153
NU312E	NJ	NUP	N	NF	65	130	31	2.1	2.1	77	115	150	159
NU2312E	NJ	NUP	N	NF		130	46	2.1	2.1	77	115	224	265
NU412	NJ	NUP	N	NF		150	35	2.1	2.1	83	127	168	173
NU1013	NJ	NUP	N	NF	70	100	18	1.1	1	74.5	90.5	38	46.5
NU213E	NJ	NUP	N	NF		120	23	1.5	1.5	78.5	108.5	107	119
NU2213E	NJ	NUP	N	NF		120	31	1.5	1.5	78.5	108.5	147	180
NU313E	NJ	NUP	N	NF		140	33	2.1	2.1	82.5	124.5	183	190
NU2313E	NJ	NUP	N	NF		140	48	2.1	2.1	82.5	124.5	251	290
NU413	NJ	NUP	N	NF	75	160	37	2.1	2.1	89.3	135.5	183	190
NU1014	NJ	NUP	N	NF		110	20	1.1	1	80	100	56.1	67.2
NU214E	NJ	NUP	N	NF		125	24	1.5	1.5	83.5	113.5	119	137
NU2214E	NJ	NUP	N	NF		125	31	1.5	1.5	83.5	113.5	154	193
NU314E	NJ	NUP	N	NF		150	35	2.1	2.1	89	133	204	220
NU2314E	NJ	NUP	N	NF		150	51	2.1	2.1	89	133	275	325

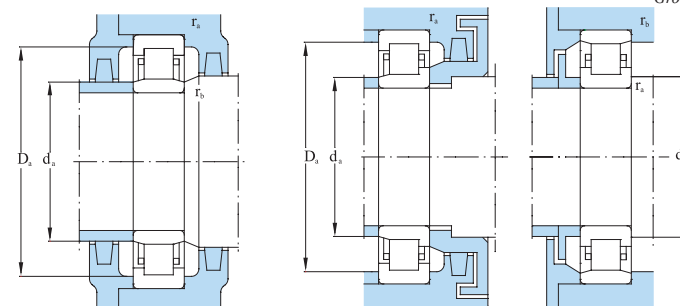
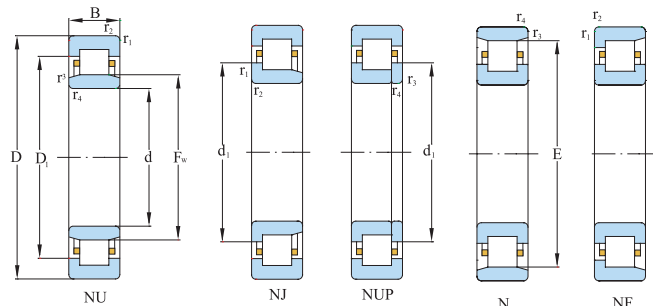
Limiting speeds		Other dimensions		Abutment and fillet dimensions					Mass
Grease	Oil	D ₁	d ₁	d _a min	D _a max	D _a min	r _a max	r _b max	
r/min		mm		mm					kg
6300	7500	83.6	64.7	53	92	91	1.5	1.5	0.873
6300	7500	83.6	64.7	53	92	91	1.5	1.5	1.3
5600	6700	92.2	71.8	54	111		2	2	1.65
8500	10000	68.9	61.3	54	75		1	0.6	0.3
6300	7500	77.1	64.2	56.5	83.5	84	1	1	0.482
6300	7500	77.1	64.2	56.5	83.5	84	1	1	0.575
5000	6000	91.7	71.2	59	101	99	2	2	1.12
5000	6000	91.7	71.2	59	101	99	2	2	1.7
5000	6000	102	78.8	61	119		2	2	2
7000	8500	76.6	68.4	60	83.5		1	1	0.422
6000	7000	85.2	70.9	61.5	92	92	1.5	1.5	0.649
6000	7000	85.2	70.9	61.5	92	92	1.5	1.5	0.79
4800	5600	100.6	77.4	64	111	109	2	2	1.44
4800	5600	100.6	77.4	64	111	109	2	2	2.2
4800	5600	108	85.2	66	129		2	2	2.5
6700	8000	81.6		65	88.5		1	1	0.48
5300	6300	94.4	77.7	68	102	102	1.5	1.5	0.807
5300	6300	94.4	77.7	68	102	102	1.5	1.5	1.1
4300	5000	110	84.3	71	119	118	2	2	1.81
4300	5000	110	84.3	71	119	118	2	2	2.75
4300	5000	117	91.8	71	139		2	2	3
6300	7500	86.6		70	93.5		1	1	0.51
4800	5600	102.5	84.5	73	112	111	1.5	1.5	1.02
4800	5600	102.5	84.5	73	112	111	1.5	1.5	1.4
4000	4800	118	90.6	76	129	127	2	2	2.21
4000	4800	118	90.6	76	129	127	2	2	3.3
4000	4800	125	98.5	76	149		2	2	3.6
6000	7000	95.4		75	103.5		1	1	0.7
4500	5300	107.5	89.5	78	117	116	1.5	1.5	1.13
4500	5300	107.5	89.5	78	117	116	1.5	1.5	1.5
3600	4300	126.2	97.5	81	139	136	2	2	2.68
3600	4300	126.2	97.5	81	139	136	2	2	4





Harbin Bearing
Group Corporation

Cylindrical roller bearings



Bearing designations					Boundary dimensions							Basic load ratings	
NU type	NJ	NUP	N	NF	d	D	B	r _{1,2} min	r _{3,4} min	Fw	Ew	Cr	Cor
					mm							kN	
NU414	NJ	NUP	N	NF	70	180	42	3	3	100	152	229	240
NU1015	NJ	NUP	N	NF		115	20	1.1	1	85	105	58.3	71
NU215E	NJ	NUP	N	NF		130	25	1.5	1.5	88.5	118.5	130	156
NU2215E	NJ	NUP	N	NF		130	31	1.5	1.5	88.5	118.5	161	208
NU315E	NJ	NUP	N	NF		160	37	2.1	2.1	95	143	242	261
NU2315E	NJ	NUP	N	NF	75	160	55	2.1	2.1	95	143	330	400
NU415	NJ	NUP	N	NF		190	45	3	3	104.5	160.5	264	280
NU1016	NJ	NUP	N	NF		125	22	1.1	1	91.5	113.5	66	81.5
NU216E	NJ	NUP	N	NF		140	26	2	2	95.3	127.3	139	167
NU2216E	NJ	NUP	N	NF		140	33	2	2	95.3	127.3	187	245
NU316E	NJ	NUP	N	NF	80	170	39	2.1	2.1	101	151	260	284
NU2316E	NJ	NUP	N	NF		170	58	2.1	2.1	101	151	358	440
NU416	NJ	NUP	N	NF		200	48	3	3	110	170	303	320
NU1017	NJ	NUP	N	NF		130	22	1.1	1	96.5	118.5	68.2	86.5
NU217E	NJ	NUP	N	NF		150	28	2	2	100.5	136.5	166	196
NU2217E	NJ	NUP	N	NF	85	150	36	2	2	100.5	136.5	216	280
NU317E	NJ	NUP	N	NF		180	41	3	3	108	160	293	333
NU2317E	NJ	NUP	N	NF		180	60	3	3	108	160	396	490
NU417	NJ	NUP	N	NF		210	52	4	4	113	177	319	335
NU1018	NJ	NUP	N	NF		140	24	1.5	1.5	103	127	80.9	104
NU218E	NJ	NUP	N	NF	90	160	30	2	2	107	145	183	220
NU2218E	NJ	NUP	N	NF		160	40	2	2	107	145	242	315
NU318E	NJ	NUP	N	NF		190	43	3	3	113.5	169.5	313	349
NU2318E	NJ	NUP	N	NF		190	64	3	3	113.5	169.5	440	540
NU418	NJ	NUP	N	NF		225	54	4	4	123.5	191.5	380	415
NU1019	NJ	NUP	N	NF	95	145	24	1.5	1.1	108	132	84.2	110
NU219E	NJ	NUP	N	NF		170	32	2.1	2.1	112.5	154.5	220	265
NU2219E	NJ	NUP	N	NF		170	43	2.1	2.1	112.5	154.5	286	375
NU319E	NJ	NUP	N	NF		200	45	3	3	121.5	177.5	331	381
NU2319E	NJ	NUP	N	NF		200	67	3	3	121.5	177.5	468	585
NU419	NJ	NUP	N	NF	100	240	55	4	4	133.5	201.5	413	455
NU1020	NJ	NUP	N	NF		150	24	1.5	1.1	113	137	85.8	114

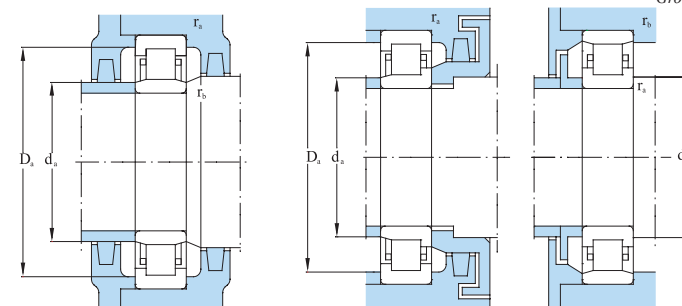
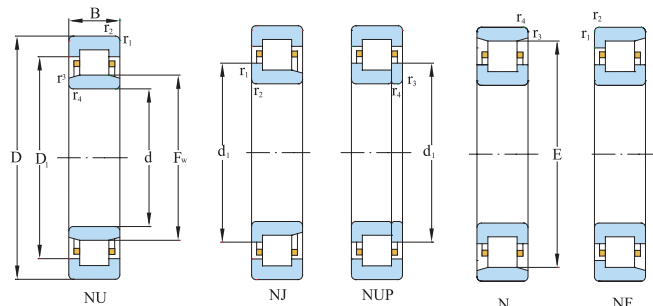
Limiting speeds		Other dimensions		Abutment and fillet dimensions					Mass
Grease	Oil	D ₁	d ₁	d _a min	D _a max	D _a min	r _a max	r _b max	
r/min		mm		mm					kg
3600	4300	140	110	83	167		2.5	2.5	5.25
5600	6700	101		80	108.5		1	1	0.75
4500	5300	112.5	94.5	83	122	121	1.5	1.5	1.26
4500	5300	112.5	94.5	83	122	121	1.5	1.5	1.6
3400	4000	135.6	104	86	149	146	2	2	3.25
3400	4000	135.6	104	86	149	146	2	2	4.9
3400	4000	148	116	88	177		2.5	2.5	6.25
5300	6300	109		85	118.5		1	1	0.99
4000	4800	121.7	101.1	89	131	130	2	2	1.52
4000	4800	121.7	101.1	89	131	130	2	2	2
3200	3800	143.3	110.1	91	159	154	2	2	3.88
3200	3800	143.3	110.1	91	159	154	2	2	5.85
3200	3800	157	122	93	187		2.5	2.5	7.3
5000	6000	114		90	123.5		1	1	1.05
3800	4500	130.2	107.1	94	141	139	2	2	1.89
3800	4500	130.2	107.1	94	141	139	2	2	2.45
3000	3600	153	117.4	98	167	163	2.5	2.5	4.61
3000	3600	153	117.4	98	167	163	2.5	2.5	6.85
3000	3600	163	126	101	194		3	3	8.7
4800	5600	122	117.4	96.5	132		1.5	1	1.35
3600	4300	138.4	113.9	99	151	148	2	2	2.32
3600	4300	138.4	113.9	99	151	148	2	2	3.15
2800	3400	160.8	123.7	103	177	173	2.5	2.5	5.27
2800	3400	160.8	123.7	103	177	173	2.5	2.5	8
2800	3400	176	137	106	209		3	3	10.5
4500	5300	127		101.5	137		1.5	1	1.4
3400	4000	147.2	120.2	106	159	157	2	2	2.85
3400	4000	147.2	120.2	106	159	157	2	2	3.85
2600	3200	169	132	108	187	181	2.5	2.5	6.26
2600	3200	169	132	108	187	181	2.5	2.5	9.3
2600	3200	186	147	111	224		3	3	13.5
4300	5000	132		106.5	142		1.5	1	1.45





Harbin Bearing
Group Corporation

Cylindrical roller bearings



Bearing designations					Boundary dimensions							Basic load ratings	
NU type	NJ	NUP	N	NF	d	D	B	r _{1,2} min	r _{3,4} min	Fw	Ew	Cr	Cor
					mm							kN	
NU220E	NJ	NUP	N	NF	100	180	34	2.1	2.1	119	163	247	303
NU2220E	NJ	NUP	N	NF		180	46	2.1	2.1	119	163	336	450
NU320E	NJ	NUP	N	NF		215	47	3	3	127.5	191.5	391	440
NU2320E	NJ	NUP	N	NF		215	73	3	3	127.5	191.5	583	735
NU420	NJ	NUP	N	NF		250	58	4	4	139	211	429	475
NU1021	NJ	NUP	N	NF	105	160	26	2	1.1	119.5	145	101	137
NU221E	NJ	NUP	N	NF		190	36	2.1	2.1	125	173	264	315
NU321E	NJ	NUP	N	NF		225	49	3	3	133	201	440	500
NU421	NJ	NUP	N	NF		260	60	4	4	144.5		501	570
NU1022	NJ	NUP	N	NF		170	28	2	1.1	125	155	128	166
NU222E	NJ	NUP	N	NF	110	200	38	2.1	2.1	132.5	180.5	291	362
NU2222	NJ	NUP	N	NF		200	53	2.1	2.1	132.5	180.5	380	520
NU322E	NJ	NUP	N	NF		240	50	3	3	143	211	468	540
NU2322	NJ	NUP	N	NF		240	80	3	3	143	211	682	900
NU422	NJ	NUP	N	NF		280	65	4	4	155		523	585
NU1024	NJ	NUP	N	NF	120	180	28	2	1.1	135	165	134	183
NU224E	NJ	NUP	N	NF		215	40	2.1	2.1	143.5	195.5	341	430
NU2224	NJ	NUP	N	NF		215	58	2.1	2.1	143.5	195.5	457	630
NU324E	NJ	NUP	N	NF		260	55	3	3	154	230	539	620
NU2324	NJ	NUP	N	NF		260	86	3	3	154	230	792	1040
NU424	NJ	NUP	N	NF	130	310	72	5	5	170	260	644	735
NU1026	NJ	NUP	N	NF		200	33	2	1.1	148	182	165	224
NU226E	NJ	NUP	N	NF		230	40	3	3	153.5	209.5	358	455
NU2226	NJ	NUP	N	NF		230	64	3	3	153.5	209.5	528	735
NU326E	NJ	NUP	N	NF		280	58	4	4	167	247	627	750
NU2326	NJ	NUP	N	NF	140	280	93	4	4	167	247	935	1250
NU1028	NJ	NUP	N	NF		210	33	2	1.1	158	192	172	245
NU228E	NJ	NUP	N	NF		250	42	3	3	169	221	391	510
NU2228	NJ	NUP	N	NF		250	68	3	3	169	221	572	830
NU328E	NJ	NUP	N	NF		300	62	4	4	180	260	682	830
NU2328	NJ	NUP	N	NF	150	300	102	4	4	180	260	1050	1430
NU1030	NJ	NUP	N	NF		225	35	2.1	1.5	169.5	205.5	194	275

Limiting speeds		Other dimensions		Abutment and fillet dimensions					Mass
Grease	Oil	D ₁	d ₁	d _a min	D _a max	D _a min	r _a max	r _b max	
r/min		mm		mm					kg
3200	3800	155.3	127	111	169	166	2	2	3.45
3200	3800	157	127	111	169	166	2	2	4.75
2400	3000	182.3	139.1	113	202	195	2.5	2.5	8.57
2400	3000	182.3	139.1	113	202	195	2.5	2.5	11.9
2400	3000	195	153	116	234		3	3	14
4000	4800	140		111.5	151		2	1	1.85
3000	3600	164	134	116	179	176	2	2	4
2200	2800	190	145	118	212	203	2.5	2.5	8.8
2200	2800	203	159	121	244		3	3	19
3800	4800	149		116.5	161		2	1	2.3
2800	3400	172.1	141.3	121	189	183	2	2	4.77
2800	3400	172.1	141.3	121	189		2	2	6.7
2000	2600	199.9	155.9	123	227	215	2.5	2.5	10.5
2000	2600	199.9	155.9	123	227		2.5	2.5	17
2000	2600	217	171	126	264		3	3	20
3400	4000	159		126.5	171		2	1	2.45
2400	3000	186.4	153	131	204	199	2	2	5.75
2400	3000	186.4	153	131	204		2	2	8.3
1900	2400	219	168	133	247	234	2.5	2.5	13.5
1900	2400	219	168	133	247		2.5	2.5	24
1900	2400	240	188	140	290		4	4	28
3200	3800	175		136.5	191		2	1	3.75
2200	2800	202	164	143	217	213	2.5	2.5	6.45
2200	2800	202	164	143	217		2.5	2.5	10.5
1800	2200	236	181	146	264	251	3	3	18.5
1800	2200	236	181	146	264	251	3	3	30
3000	3600	185		146.5	201	225	2	1	4
2000	2600	217	179	153	237		2.5	2.5	8.3
2000	2600	217	179	153	237	225	2.5	2.5	13.5
1800	2200	252	195	156	284	264	3	3	22.2
1800	2200	252	195	156	284	264	3	3	37
2600	3200	198		158	214		2	1.5	4.85



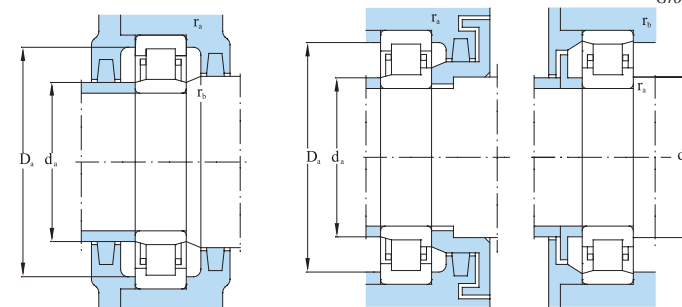
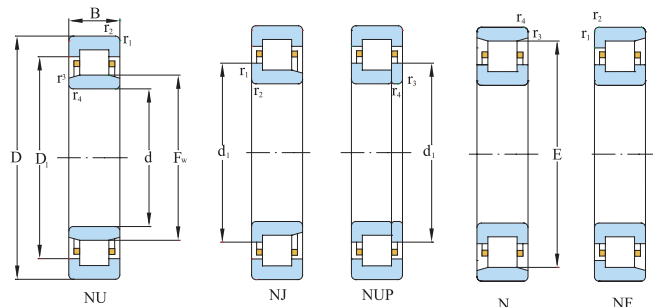
Limiting speeds		Other dimensions		Abutment and fillet dimensions					Mass
Grease	Oil	D ₁	d ₁	d _a min	D _a max	D _a min	r _a max	r _b max	
r/min		mm		mm					kg
1900	2400	234	193	163	257	242	2.5	2.5	10.5
1900	2400	234	194	163	257	242	2.5	2.5	19
1700	2000	270	209	166	304	287	3	3	27.5
1700	2000	270	209	166	304	287	3	3	45
2400	3000	211		168	229		2	1.5	5.95
1800	2200	250	206	173	277	263	2.5	2.5	15
1800	2200	252	205	173	277	263	2.5	2.5	24
1500	1800	286	221	176	324		3	3	32.5
1500	1800	286	221	176	324		3	3	53
2200	2800	227	201	181	249		2	2	7.9
1800	2200	269	220	186	294		3	3	19
1800	2200	270	219	186	294		3	3	30
1600	1900	290	238	186	344	323	3	3	38.5
1400	1700	290	238	186	344		3	3	63
2000	2600	244	215	191	269		2	2	10.5
1700	2000	279	230	196	304		3	3	19.5
1700	2000	280	229	196	304		3	3	31.5
1500	1800	306	252	196	364		3	3	42.5
1300	1600	306	252	196	364		3	3	73
2000	2600	254	225	201	279		2	2	10
1600	1900	295	244	206	324		3	3	23.5
1600	1900	297	242	206	324		3	3	39
1200	1500	338	264	210	380		4	4	50
1200	1500	341		210	380		4	4	82.5
1900	2400	269	239	211	299		2	2	14
1500	1800	312	258	216	344		3	3	28.5
1500	1800	313	256	216	344		3	3	46





Harbin Bearing
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Bearing designations		Boundary dimensions							Basic load ratings	
Original designations	Current designations	d	D	B	r _{1,2} min	r _{3,4} min	Fw	Ew	Cr	Cor
		mm							kN	
7002140		200	310	34	2	2		277	305	545
32140	NU1040M		310	51	2.1	2.1	227		425	705
42140	NJ1040M		310	51	2.1	2.1	227		425	705
	NU3040X3M/C3		320	88.9	3	3	232.689		705	1350
2240	N240M		360	58	4	4		316	625	995
32240	NU240M		360	58	4	4	244		625	995
42240	NJ240M		360	58	4	4	244		625	995
3032340	NU3340M		420	165	5	5	260		1950	3540
3092340K	NUP3340		420	165	5	5	260		1950	3540
	N2240EM		360	98	4	4		325	1160	1980
42540	NJ2240M		360	98	4	4	244		905	1600
	NU2240EM		360	98	4	4	241		1160	1980
92540	NUP2240M		360	98	4	4	244		905	1600
2640	N2340M		420	138	5	5		364	1620	2640
2740			320	48	2.1	2.1		283	430	705
2032944Q	NU2944Q1	220	300	48	2.1	1.5	240		370	755
32144Q	NU1044Q1		340	56	3	3	250		470	775
42144	NJ1044M		340	56	3	3	250		485	810
2244	N244M		400	65	4	4		350	760	1220
42244	NJ244M		400	65	4	4	270		760	1220
32244	NU244M		400	65	4	4	270		760	1220
32344	NU344M		460	88	5	5	284		1160	1730
32544	NU2244M		400	108	4	4	270		1110	1990
42544	NJ2244M		400	108	4	4	270		1110	1990
	N2344EM		460	145	5	5		407	2090	3360
32644E	NU2344EM		460	145	5	5	284		1970	3270
32644U	NU2344M/C9		460	145	5	5	284		1970	3270
32148Q	NU1048Q1	240	360	56	3	3	270		495	855
32248	NU248M		440	72	4	4	295		950	1540
42248	NJ248M		440	72	4	4	295		950	1540
2348	N348M		500	95	5	5		430	1390	2120
32348	NU348M		500	95	5	5	310		1390	2120

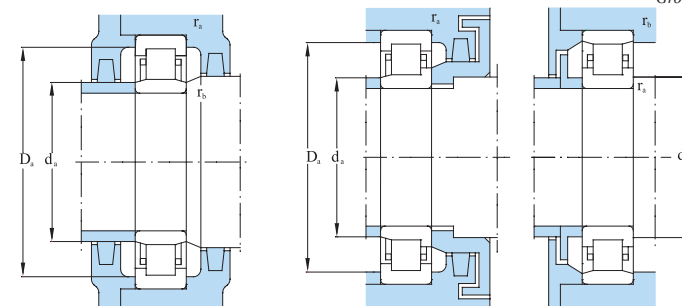
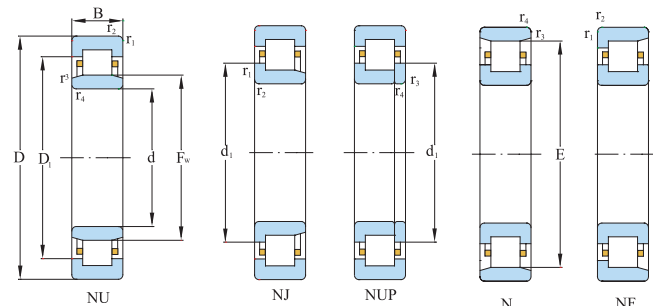
Limiting speeds		Other dimensions		Abutment and fillet dimensions					Mass
Grease	Oil	d _a min	d _a max	d _b min	D _a max	D _a min	r _a max	r _b max	
r/min		mm		mm					kg
2200	2800	211	274		299	280	2	2	10.1
1900	2400	211	225	233	299		2	2	14.3
1900	2400	211	225	242	299		2	2	14.7
1700	2000	211	225	235	309		3	3	28.7
1500	1800	216	310		344	322	3	3	26.8
1500	1800	216	239	247	344		3	3	26.5
1500	1800	216	239	262	344		3	3	27.1
1200	1500	220	253	264	400		4	4	118
1200	1500	220		282	400		4	4	121
1500	1800	216	320		344	330	3	3	44.9
1500	1800	216	236	260	344		3	3	45.5
1500	1800	216	236	245	344		3	3	42.2
1500	1800	216		260	344		3	3	46.3
1200	1500	220	360		400	368	4	4	94.5
1900	2400	211	280		299	286	2	2	14.7
1900	2400	229	237	243	289		2	1	10.5
1800	2200	233	246	254	327		2.5	2.5	19.4
1800	2200	233	246	265	327		2.5	2.5	19.6
1500	1800	236	342		384	358	3	3	36.7
1500	1800	236	263	290	384		3	3	35.4
1500	1800	236	263	276	384		3	3	35
1000	1300	240	277	288	440		4	4	73.4
1300	1600	236	262	274	384		3	3	62.2
1300	1600	236	262	290	384		3	3	63.3
1000	1300	240	403		440	411	4	4	114
1000	1300	240	276	288	440		4	4	114
1000	1300	240	276	288	440		4	4	114
1700	2000	253	266	274	347		2.5	2.5	21.2
1300	1600	256	288	299	424		3	3	46.9
1300	1600	256	288	317	424		3	3	49.6
1000	1300	260	426		480	434	4	4	96.3
1000	1300	260	302	314	480		4	4	96.3





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Bearing designations		Boundary dimensions							Basic load ratings	
Original designations	Current designations	d	D	B	r _{1,2} min	r _{3,4} min	F _w	E _w	Cr	Cor
		mm							kN	
1032948	NU5248/P5	240	440	146	4	4	290		2040	3820
			320	38	2.5	1.8	260		280	540
	N650EM/HAC9	250	308	50	6	2.3		347	595	1050
32152	NU1052M	260	400	65	4	4			625	1090
92152	NUP1052M		400	65	4	4	296		625	1090
2032152	NU2052EM		400	82	4	4	294		985	1880
32252	NU252M	280	480	80	5	5	320		1110	1800
	N1856X3M/HG2		340	30	2	2		327	280	690
42156	NJ1056M		420	65	4	4	316		640	1140
1032956		300	380	46	2.1	2.1	306		430	865
42160	NJ1060M		460	74	4	4	340		850	1510
32160	NU1060M		460	74	4	4	340		850	1510
	NU1060M/HA	320	460	74	4	4	340		850	1510
	NJ1060X2M		460	57	4	4	344		730	1340
32260	NU260M		540	85	5	5	364		1370	2270
32360	NU360M	320	620	109	7.5	7.5	385		2100	3300
42164	NJ1064M		480	74	4	4	360		870	1580
32164	NU1064M		480	74	4	4	360		870	1580
	NU1064KM/C9	340	480	74	4	4	360		870	1580
92164	NUP1064M		480	74	4	4	360		870	1580
1032964H			440	56	3	3	350		580	1130
32168	NU1068M	360	520	82	5	5	385		1050	1910
32672			750	224	7.5	7.5	455		4900	8650
	NU3172		600	192	5	5	420		3200	6500
	NJ1080	400	600	90	5	5	450		1310	2470
3032788	NU3188	440	720	226	6	6	508		4750	9800
3032792	NU3192	460	760	240	7.5	7.5	531		4950	10400
	NUP2992		620	95	4	4	502		1520	1600
20329/500		500	670	100	5	5	543		1760	4300
	NF28/530	530	650	72	3	3	622		1060	2890
	NUP29/530		710	95	5	5	580		1810	4550
	N29/560	560	750	95	5	5	703		2260	5600

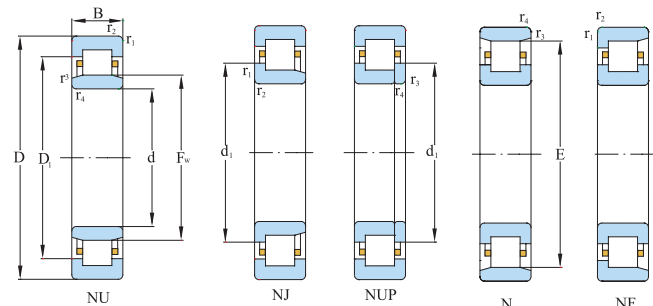
Limiting speeds		Abutment and fillet dimensions							Mass
Grease	Oil	d _a min	d _a max	d _b min	D _a max	D _a min	r _a max	r _b max	
r/min		mm		mm					kg
1100	1400	256	287	293	424		3	3	104
1900	2400	249	257	263	308		2	1.5	8.5
1800	2300	268	343		368	351	5	2	21.4
1500	1800	276	291	300	384		3	3	30.2
1500	1800	276		313	384		3	3	37.2
1300	1700	276	291	300	384		3	3	40.1
1100	1400	280	313	324	460		4	4	67.1
1800	2200	289		324	330	330	2	2	5.76
1400	1700	296	311	332	404		3	3	32.2
1700	1900	291	303	309	369		2	2	15.5
1200	1500	316	335	358	444		3	3	45.1
1200	1500	316	335	344	444		3	3	44.1
1200	1500	316	335	344	444		3	3	44.1
1400	1700	316	335	358	444		3	3	36.5
1000	1300	320	358	368	520		4	4	86.9
900	1100	330	379	390	590		7	7	166
1100	1400	336	355	380	464		3	3	47.8
1100	1400	336	355	364	464		3	3	48.2
1100	1400	336	355	364	464		3	3	46.3
1100	1400	336		380	464		3	3	49.1
1100	1400	335	346	354	425		2.5	2.5	24.7
1000	1300	360	380	389	500		4	4	65
700	850	390	445	460	720		7	7	480
900	1000	373	417		587	423	4	4	219
900	1100	420	446	472	580		4	4	90.6
600	750	460	498	518	700		5	5	374
400	480	490	526	536	730		6	6	467
800	950	480		524	600		3	3	85
750	900	522	537	549	648		3	3	101
900	1100	544			645	625	2.5	2.5	52.2
400	500	555		605	585		4	4	125
650	780	586		693	724	713	4	4	138



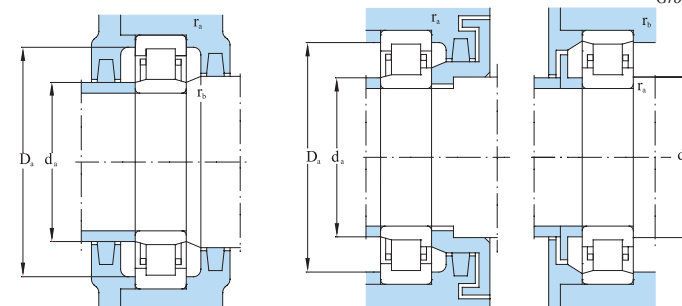


Harbin Bearing
Group Corporation

Cylindrical roller bearings



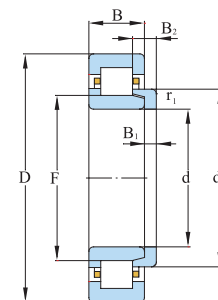
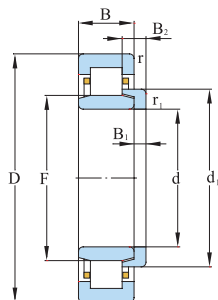
Bearing designations		Boundary dimensions							Basic load ratings	
Original designations	Current designations	d	D	B	$r_{1,2}$ min	$r_{3,4}$ min	Fw	Ew	Cr	Cor
		mm							kN	
327/600		600	830	150	5	5	655		3100	7450
	NUP29/950	950	1250	175	7.5	7.5	1024		5150	13400
	NU6/1200/C91	1200	1520	185	7.5	7.5	1289		5650	17000
	NU6/1200/C9		1520	185	7.5	7.5	1289		5650	17000
	NU18/1250/C9	1250	1500	112	6	6	1316		3300	9550



Limiting speeds		Abutment and fillet dimensions							Mass
Grease	Oil	d_a min	d_a max	d_b min	D_a max	D_a min	r_a max	r_b max	
r/min		mm		mm					kg
600	700	619	647	703	806		4	4	237
140	170	990		1069	1210		6	6	616
110	140	1240	1274	1304	1480		6	6	825
110	140	1240	1274	1304	1480		6	6	825
300	380	1280	1306	1326	1470		5	5	386



Cylindrical roller bearings With fixed bushings



Bearing designations		Boundary dimensions					
Former	Current	d	D	B	d ₁	B ₁	B ₂
mm							
62310E	NJ310E+HJ310E	50	110	27	71.2	8	12.74
62612	NJ2312M+HJ2312	60	130	46	84.2	9	18.78
62613	NJ2313M+HJ2313	65	140	48	91	10	19.78
62416	NJ416M+HJ416	80	200	48	120.5	13	21.78
62417	NJ417M+HJ417	85	210	52	126.3	14	23.73
62318Q	NJ318Q1+HJ318	90	190	43	123.5	12	20.73
62419	NJ419M+HJ419	95	240	55	145	15	25.23
62320Q	NJ320Q1+HJ320	100	215	47	139	13	22.23
62322	NJ322M+HJ322	110	240	50	154	14	23
62322Q	NJ322Q1+HJ322		240	50	154	14	23
62224	NJ224M+HJ224	120	215	40	151.5	11	18.73
52328	NJ328M+HJ328	140	300	62	194	15	25.69
62630	NJ2330M+HJ2330	150	320	108	208	15	33.67
52232	NU232M+HJ232	160	290	48	204	12	19.68
62632	NU2332M+HJ2332		340	114	222.7	15	36.67
52632	NJ2332M+HJ2332		340	114	222.7	15	36.67
52632U	NU2332M/C9+HJ2332		340	114	222.7	15	36.67
52536	NU2236M+HJ2236	180	320	86	229	12	23.67
52336	NU336M+HJ336		380	75	249.3	17	29.16
52338U	NU338/C9+HJ338	190	400	78	265	18	31.65
52338	NU338M+HJ338		400	78	265	18	31.65
52238	NU238M+HJ238		340	55	242.5	13	23.13
52140	NU1040M+HJ1040	200	310	51	238	13	24.13
52240E	NU240E+HJ240E		360	58	260	14	23
52640	NU2340M+HJ2340		420	138	276	18	41.6
52340	NU340M+HJ340		420	80	279.3	18	32.63
52244	NU244M+HJ244	300	400	65	286	15	27.13
52344U	NU344M/C9+HJ344		460	88	306	20	35.62
52344	NU344M+HJ344		460	88	306	20	35.62
52172	NU1072M+HJ1072	360	540	82	423	21	39.03
52192	NU1092M+HJ1092	460	680	100	537.6	25	48

Boundary dimensions			Basic load ratings		Limiting speeds		Mass
r	r ₁	F	Cr	Cor	Grease	Oil	
mm			kN		r/min		kg
2	2	65	117	128	5000	6000	1.48
2.1	2.1	77	171	217	4300	5000	3.64
2.1	2.1	83.5	192	248	4000	4800	3.99
3	3	110	310	375	3200	3800	8.68
4	4	115.5	350	425	3000	3600	10.2
3	3	115	249	315	2800	3400	6.63
4	4	133.5	415	525	2600	3200	15.2
3	3	129.5	291	365	2400	3000	9.64
3	3	143	394	515	2000	2600	13
3	3	143	394	515	2000	2600	13
2.1	2.1	143.5	276	390	2400	3000	7.07
4	4	180	595	805	1800	2200	22.8
3.7	4	193	970	1480	1700	2000	45
3	3	193	450	655	1800	2200	15.8
4	4	208	1020	1610	1500	1800	57.6
4	4	208	1020	1610	1500	1800	57.6
4	4	208	1020	1610	1500	1800	57.6
4	4	215	950	1580	1700	2000	33.4
4	4	230	900	1260	1500	1800	45.9
4.7	4.7	245	945	1370	1200	1500	54
5	5	245	945	1370	1200	1500	52.9
4	4	231	565	885	1600	1900	23.7
2.1	2.1	227	425	705	1900	2400	16
4	4	243	710	1080	1500	1800	28.2
5	5	256	1620	2650	1200	1500	102
5	5	260	990	1470	1300	1600	61.8
4	4	270	760	1220	1500	1800	38.6
4.7	4.7	284	1160	1730	1000	1300	81.6
5	5	284	1160	1730	1000	1300	80.1
5	5	405	1080	2000	1000	1300	73.6
6	6	516	1550	3000	800	950	124

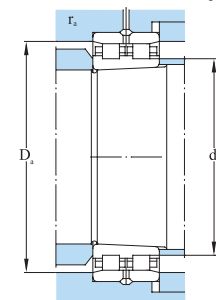
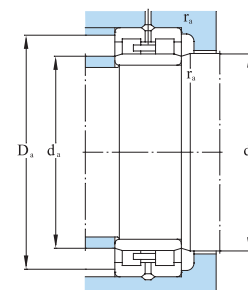
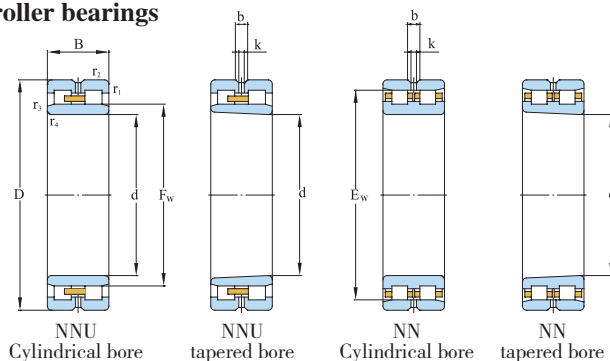




Harbin Bearing
Group Corporation

Cylindrical roller bearings

Double row



Bearing designations		Boundary dimensions							
Cylindrical bore	Tapered bore	d	D	B	r _{1,2} min	F _w	E _w	b	k
mm									
NN3005	NN3005K	25	47	16	0.6		41.3	6	2.5
NN3006	NN3006K	30	55	19	1		48.5	6	2.5
NN3007	NN3007K	35	62	20	1		55	6	2.5
NN3008	NN3008K	40	68	21	1		61	6	2.5
NN3009	NN3009K	45	75	23	1		67.5	6	2.5
NN3010/W33	NN3010K/W33	50	80	23	1		72.5	6	2.5
NN3011/W33	NN3011K/W33	55	90	26	1.1		81	8	3
NN3012/W33	NN3012K/W33	60	95	26	1.1		86.1	8	3
NN3013/W33	NN3013K/W33	65	100	26	1.1		91	8	3
NN3014/W33	NN3014K/W33	70	110	30	1.1		100	8	3
NN3015/W33	NN3015K/W33	75	115	30	1.1		105	8	3
NN3016/W33	NN3016K/W33	80	125	34	1.1		113	8	3.5
NN3017/W33	NN3017K/W33	85	130	34	1.1		118	8	3.5
NN3018/W33	NN3018K/W33	90	140	37	1.5		127	8	3.5
NN3019/W33	NN3019K/W33	95	145	37	1.5		132	8	3.5
NNU4920/W33	NNU4920K/W33	100	140	40	1.1	113		8	3
NN3020/W33	NN3020K/W33		150	37	1.5		137	8	3.5
NNU4921/W33	NNU4921K/W33	105	145	40	1.1	118		8	3
NN3021/W33	NN3021K/W33		160	41	2		146	12	4
NNU4922/W33	NNU4922K/W33	110	150	40	1.1	123		8	3
NN3022/W33	NN3022K/W33		170	45	2		155	12	4
NNU4924/W33	NNU4924K/W33	120	165	45	1.1	134.5		8	3
NN3024/W33	NN3024K/W33		180	46	2		165	12	4
NNU4926/W33	NNU4926K/W33	130	180	50	1.5	146		8	3
NN3026/W33	NN3026K/W33		200	52	2		182	12	4
NNU4928/W33	NNU4928K/W33	140	190	50	1.5	156		8	3
NN3028/W33	NN3028K/W33		210	53	2		192	12	4
NNU4930/W33	NNU4930K/W33	150	210	60	2	168.5		8	4
NN3030/W33	NN3030K/W33		225	56	2.1		206	14	4.5
NNU4932/W33	NNU4932K/W33	160	220	60	2	178.5		8	4
NNU4934/W33	NNU4934K/W33		230	60	2	188.5		8	4
	NN3034K/W33	170	260	67	2.1		236	14	4.5

Basic load ratings		Limiting speeds		Abutment and fillet dimensions						Mass
Cr	Cor	Grease	Oil	d _a min	d _a max	d _b min	D _a max	D _a min	r _a max	
kN		r/min		mm						kg
26	31.3	19000	22000	29			43	42	0.6	0.12
35.2	41.6	16000	18000	35			50	49	1	0.189
37.7	47.5	14000	16000	40			57	56	1	0.249
44.6	57.4	12000	14000	45			63	62	1	0.28
52.8	77.9	11000	13000	50			70	69	1	0.366
56.5	78.5	10000	12000	55			75	74	1	0.406
71.7	98	9500	11000	61.5			83.5	82	1	0.595
72.9	98.8	9000	10000	66.5			88.5	87	1	0.634
82.6	112	8500	9500	71.5			93.5	92	1	0.675
94.7	136	7500	8500	76.5			103.5	101	1	0.976
95.9	142	7000	8000	81.5			108.5	106	1	1.02
120	178	6700	7500	86.5			118.5	114	1	1.42
124	192	6300	7000	91			123.5	119	1	1.5
140	227	6000	6700	98			132	129	1.5	1.94
143	237	5600	6300	103			132	134	1.5	2.02
144	260	5600	6300	106.5	111	115	133.5		1	1.93
153	260	5300	6000	108			142	139	1.5	2.12
146	268	5300	6000	111.5	116	120	138.5		1	2
190	306	5000	5600	114			151	148	2	2.66
151	284	5300	6000	116.5	121	125	143.5		1	2.11
221	358	4800	5300	119			161	157	2	3.38
215	362	4800	5300	126.5	133	137	158.5		1	2.83
231	388	4500	5000	129			171	167	2	3.71
242	440	4300	4800	138	144	149	172		1.5	3.82
312	495	4000	4500	139			191	183	2	5.3
250	470	4000	4500	148	154	158	182		1.5	4.04
297	516	3800	4300	149			201	194	2	6.12
380	690	3800	4300	159	166	171	201		2	6.37
334	579	3600	4000	161			214	208	2	7.54
391	740	3600	4000	169	176	182	211		2	6.73
396	765	3400	3800	179	186	192	221		2	7.11
438	785	3000	3400	181			249	238	2	12.5

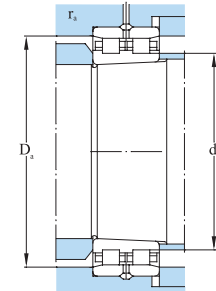
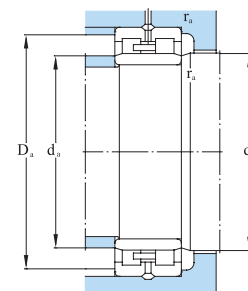
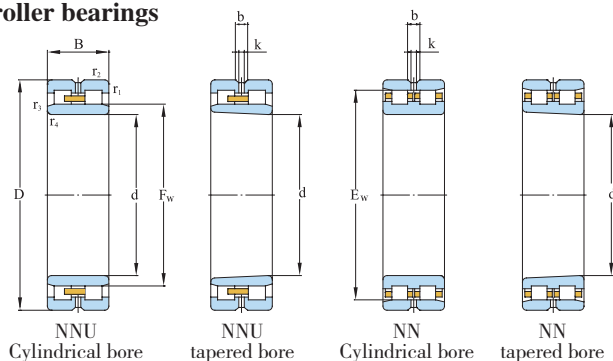




Harbin Bearing
Group Corporation

Cylindrical roller bearings

Double row



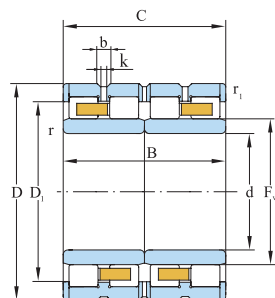
Bearing designations		Boundary dimensions							
Cylindrical bore	Tapered bore	d	D	B	$r_{1,2}$ min	Fw	Ew	b	k
mm									
BBU4936/W33	NNU4936K/W33	180	250	69	2	202		10	4
	NN3036K/W33		280	74	2.1		255	14	4.5
NNU4938/W33	NNU4938K/W33	190	260	69	2	212		10	4
	NN3038K/W33		290	75	2.1		265	14	4.5
NNU4940/W33	NNU4940K/W33	200	280	80	2.1	225		14	4.5
	NN3040K/W33		310	82	2.1		282	14	6
NNU4944/W33	NNU4944K/W33	220	300	80	2.1	245		14	4.5
	NN3044K/W33		340	90	3		310	14	6
NNU4948/W33	NNU4948K/W33	240	320	80	2.1	265		14	4.5
	NN3048K/W33		360	92	3		330	14	6
NNU4952/W33	NNU4952K/W33	260	360	100	2.1	292		14	4.5
	NN3052K/W33		400	104	4		364	14	6
	NN3056K	280	420	106	4		384		
NN3056			420	106	4		384		
	3182160*	300	460	118	4		418		
	3282160*		460	118	4		418		
NN3064/W33		320	480	121	4		438	17.7	8
	482764*		480	145	3.7	364		18	8
NNU49/500X2F1/YA34		500	670	160	5	554			
NNU49/530/HCW33		530	710	180	5	588		17.7	6
	NN30/560K	560	820	195	6		755		
	31821/600*	600	870	200	6		805		
	32821/600K*		870	200	6		805	15	8
	31821/630*	630	920	212	7.5		850		
	32821/630K*		920	212	7.5		850	15	8

Basic load ratings		Limiting speeds		Abutment and fillet dimensions						Mass
Cr	Cor	Grease	Oil	d_a min	d_a max	d_b min	D_a max	D_a min	r_a max	
kN		r/min		mm						kg
506	965	3000	3400	189	199	205	241		2	10.4
562	986	2800	3200	191			269	257	2	16.4
523	1030	2800	3200	199	209	215	251		2	10.9
645	1058	2600	3000	201			279	267	2	17.8
572	1260	2600	3000	211	222	228	269		2	15.3
672	1177	2400	2800	211			299	285	2	22.5
600	1330	2400	2800	231	242	248	289		2	16.6
809	1440	2200	2600	233			327	313	2.5	29.6
625	1450	2200	2600	251	262	269	309		2	18
842	1560	2000	2400	253			347	333	2.5	32.7
935	1620	2000	2400	271	288	296	349		2	31.1
1020	1910	1900	2200	276			384	367	3	47.7
1060	2290	2220	1800	296				404	3	49.7
1060	2290	1700	1400	296				404	3	52.3
1290	2790	1200	1500	316				444	3	76.2
1290	2790	1200	1500	316				444	3	77.9
1360	2910	1100	1400	336				464	3	76.3
1650	3870	1100	1300							93.3
2230	6800	750	1000							174
2660	7450	700	950							203
3380	8170	600	850	590				790	6	337
4050	9850	600	800	630				840	6	384
4050	9850	600	800	630				840	6	403
4350	10600	550	750	660				890	6	438
4350	10600	550	750	660				890	6	460

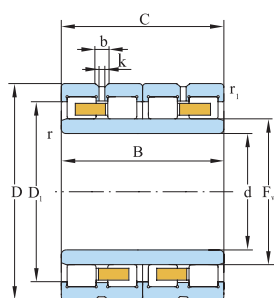


Cylindrical roller bearings

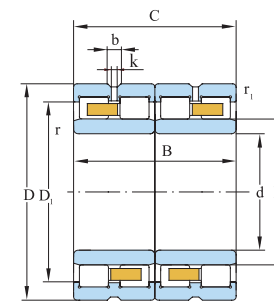
Four row



FCDP type



FC type



FCD type

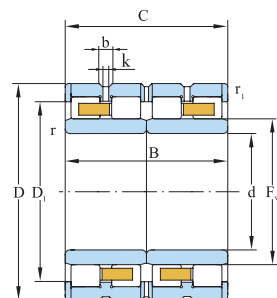
Bearing designations	Boundary dimensions						
	d	D	B	C	r_{min}	r_{imin}	F_w
	mm						
FC182870	90	140	70	70	1.5	1.1	105
672820Y*	100	140	70	70	1.5	1.1	111
592820Y*		140	70	70	1.5	1.1	111
672720*		140	104	104	1.5	1.1	111
FC223490	110	170	90	90	2	2	127
FC243387	120	165	87	87	1.1	1.1	134.5
672724*		180	105	105	2	2	149
FC2640125	130	200	125	125	2	2	149
672728*	140	210	125	125	2	2	158
172828U*		210	155	155	2	2	166
672829*	145	210	155	155	2	2	166
FC2945156		225	156	156	2	2	169
FC3042120	150	210	120	120	2	2	168.5
FC3044150		220	150	150	2	2	168
FC3045120		225	120	120	2	2	169
672730*	160	230	156	156	2	2	174
FC3246130		230	130	130	1.5	1.5	180
672832Y*		230	168	168	2.1	2.1	180
FC3246180	160	230	180	180	2	2	178
672732KU*		240	124	124	2.1	2.1	183
FC3248124		240	124	124	2.1	2.1	183
FC3248168	170	240	168	168	2.1	2.1	183
FCD3446160		230	160	160	2	2	185.5
FC3450168		250	168	168	2.1	2.1	192
672734*	180	250	170	170	2.1	2.1	192
FC3450170Q1/HG2YA4		250	170	170	2.1	2.1	192
FC3452120		260	120	120	2.1	2.1	195
FC3650156	180	250	156	156	2	2	200
FC3652124		260	124	124	2.1	2.1	202
FC3652168		260	168	168	2.1	2.1	202
FC3652168/YA3		260	168	168	2.1	2.1	202
FC3652168Q1/HG2YA4		260	168	168	2.1	2.1	202

Mounting related dimensions			Basic load ratings		Mass	Remarks
D_{imin}	b	k	Cr	Cor		
mm			kN		kg	
123	6.5	4	230	425	3.78	*FC structure (tapered bore)
125.4			190	435	3.1	
125.9			207	435	3.08	
125.4	8	4	300	775	4.99	
155			428	692	7.4	
154.5			374	745	5.6	
160	6.5	4	375	770	9.13	
174	6.5	4	530	1200	14.6	
188	9.5	5	540	1160	14.7	
190.9			630	1610	18.1	
190.9			630	1610	18.3	
205			835	1820	23	
196.5			686	1380	12.8	
200			889	1760	19.5	
200	9	4	645	1450	16.7	
204	9.5	5	730	1790	23.6	
210			665	1705	16.9	
206.6			670	2170	22.1	
214			1140	2270	25	
216	9	4	685	1530	20.3	
216	9	4	685	1530	20.3	
216	10	5	965	2350	26.4	
211.5	7.5	3	1100	2360	20	
232			1170	2230	27.6	
225	12	6	995	2500	28.5	
225	9.5	5	1020	2590	28.9	
228	9.5	5	660	1790	24.6	
234			1050	2200	23.3	
234.8	9.5	5	735	1730	21.7	
234.8	12	6	1070	2790	30.2	
234.8	12	6	1070	2790	30.1	
234.8	9.5	5	1390	2790	30.6	

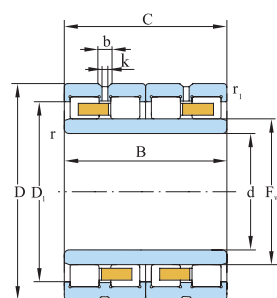


Cylindrical roller bearings

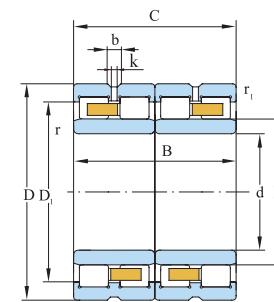
Four row



FCDP type



FC type



FCD type

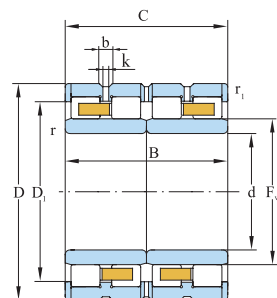
Bearing designations	Boundary dimensions						
	d	D	B	C	$r_{\min}$	$r_{1\min}$	F_w
	mm						
FC3652180	180	260	180	180	2.1	2.1	202
672838*	190	260	168	168	2.1	2.1	212
FC3854168		270	168	168	2.1	2.1	212
FC3854168/YA3		270	168	168	2.1	2.1	212
FC3854168Q1/HG2C9YA4		270	168	168	2.1	2.1	212
FC3854170/YA3		270	170	170	2.1	2.1	212
672738	200	270	200	200	2.1	2.1	212
FC4054170Q1/YA3		270	170	170	2.1	2.1	222
FC4054170Q1/HG2C4Y		270	170	170	2.1	2.1	222
FC4056188		280	188	188	2.1	2.1	222
FC4056200		280	200	200	2	2	222
FC4058192	210	290	192	192	2.1	2.1	226
672742*		300	210	210	2.1	2.1	234
672742U*		300	210	210	2.1	2.1	234
FC4460150		300	150	150	2.1	2.1	240
FC4462192/YA3		310	192	192	2.1	2.1	246
FC4462192	220	310	192	192	2.1	2.1	246
FC4462225		310	225	225	0.6	2.1	244
672844Y*		320	210	210	2.1	2.1	248
FC4468200/YB2		340	200	200	4	4	250
FC4666206/YA3	230	330	206	206	2.1	2.1	260
FC4668260		340	260	260	3	3	261
FC4866220/YA3		330	220	220	2.1	2.1	264
FC4866220		330	220	220	2.1	2.1	264
FC4868192A		340	192	192	2.1	2.1	265
FC4872220	240	360	200	200	2.1	2.1	272
FC4872220A/C4YA3		360	220	220	2.5	2.5	272
FC4872220Q1/HG2YA4		360	220	220	2.1	2.1	272
FC5070220		350	220	220	3	3	278
FC5072220/YA3		360	220	220	3	3	282
FC5272200/YA3B2	250	360	200	200	3	3	288
FC5272260		360	260	260	2.1	2.1	287

Mounting related dimensions			Basic load ratings		Mass	Remarks
$D_{1\min}$	b	k	Cr	Cor		
mm			kN		kg	
234.8	12	6	1140	3000	31.5	*FC structure (tapered bore)
238.6	9.5	5	880	2570	22.6	
245.2	9.5	5	950	2430	30.2	
245.2	9.5	5	950	2430	29.9	
245.2	9.5	5	1045	2430	30.8	
245.2	9.5	5	950	2430	30.2	
245.2	15	7	1170	3180	35	
246.5	9.5	5	785	2270	28.7	
246.5			785	2270	28.7	
255	9.5	5	985	2580	35.7	
262			1450	3090	37.7	
262	15	6	1240	3250	40.9	
271	9.5	5	1420	3950	48.3	
271	9.5	5	1420	3950	48.3	
280			1210	2500	30.7	
282.5	15	6	1300	1910	45.8	
282.5	15	6	1300	1910	45.8	
280			1450	4050	53.9	
287			1430	3800	56.5	
308.3	15	6	1630	3550	63.4	
296	9.5	5	1350	3800	56.5	
313			2310	4900	81.2	
301	9.5	5	1620	4850	56.5	
301			1620	4850	56.7	
308	9.5	5	1310	3380	52.8	
318	12	6	1700	4410	78	
320			1700	4410	78	
320	9.5	5	2210	4410	78.4	
326			1930	4200	64.6	
320	9.5	5	1500	4250	76.9	
328	9.5	5	1610	4650	63	
335			2300	5320	80	

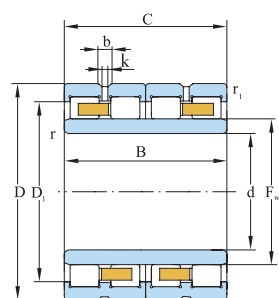


Cylindrical roller bearings

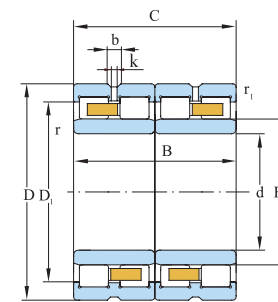
Four row



FCDP type



FC type



FCD type

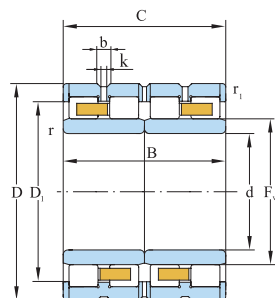
Bearing designations	Boundary dimensions						
	d	D	B	C	r_{min}	r_{1min}	F_w
	mm						
FC5280335	260	400	335	335	1	3	294
FC5274200		370	200	200	3	3	292
FC5274220/YA3		370	220	220	3	3	292
FC5274220		370	220	220	3	3	292
FC5476230/YA3	270	380	230	230	3	3	298
FC5478236		390	236	236	3	3	312
FC5676170	280	380	170	170	2.1	2.1	306
FC5678220		390	220	220	3	3	312
FCDP5678275		390	275	275	1.5	1.1	308
572856W*		410	300	300	4	4	313
672760*	300	420	240	240	4	4	332
672760Y*		420	240	240	4	4	332
FC60B4300	320	420	300	300	3	3	332
FC6490240/YA3		450	240	240	4	4	355
FC6492340	320	460	340	340	3	3	360
FC6692340	330	460	340	340	3	3	360
FC6890250	340	450	250	250	2.1	2.1	368
972770K*	350	500	380	380	6	3	388
FCD72102370	360	480	290	290	3	3	392
FC7296290		510	370	370	4	4	397
FCDP74104380	370	520	380	380	1.5	1.5	409
FCD7480400		520	400	400	5	5	413
FC76108400	380	540	400	400	5	5	424
FCD78110400	390	550	400	400	5	5	434
672780*	400	550	300	300	5	5	442
FCD80112410		560	410	410	2	2	445
FC84112280	420	560	280	280	4	4	457
FCDP88124450	440	620	450	450	5	5	487
FCDP88124450/YA6		620	450	450	5	5	487
FCD90126450	450	630	450	450	4	4	500
FCDP92124400	460	620	400	400	4	4	502
FCDP92130470		650	470	470	6	6	509

Mounting related dimensions			Basic load ratings		Mass	Remarks
D_{1min}	b	k	Cr	Cor		
mm			kN		kg	
370			3750	7340	149	*FC structure (tapered bore)
335.2	15	6	1570	4250	73	
335.5	9.5	5	1760	4900	79.2	
335.5	9.5	5	1760	4900	80	
346	9.5	5	1720	4800	80.2	
352	9.5	5	2100	5950	97.8	
356			1710	3590	55	
355.5	12	6	1790	5150	86.5	
354.2	9.5	5	2200	6250	102	
367			2840	7720	132	
382	15	8	2200	6300	111	
382	15	8	2200	6300	111	
394			3250	7270	127	
412	12	6	2460	6720	119	
428	12	6	3860	8730	187	
428			3860	9150	172	
424			2750	6480	106	
450	12	6	3550	10200	225	
452			3850	11400	220	
460	12	6	3470	8510	145	
474	12	6	3900	12000	296	
481	12	6	4740	11900	268	
504			5200	12100	287	
510			5130	12400	296	
502	12	6	3200	5050	223	
525	12	6	6330	15800	315	
527			3930	9400	189	
563	15	8	5200	15800	452	
563	15	8	5200	15800	452	
590			6820	16600	433	
582			6510	17000	350	
609			8990	22200	494	

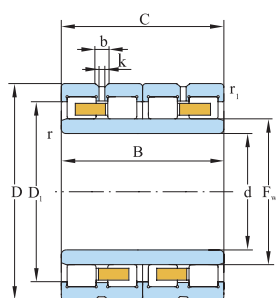


Cylindrical roller bearings

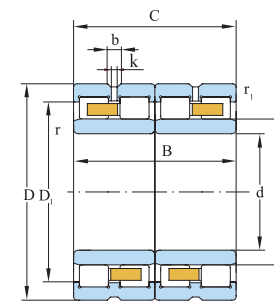
Four row



FCDP type



FC type



FCD type

Bearing designations	Boundary dimensions						
	d	D	B	C	$r_{\min}$	$r_{1\min}$	F_w
	mm						
FCD96130450	480	650	450	450	6	6	525
FCDP96136460		680	460	460	5	5	532
FCD96136500		680	500	500	5	5	534
FC100134450/P69	500	670	450	450	6	6	540
FCD100134450/P69HCYA3		670	450	450	6	6	540
FCD100138510		690	510	510	5	5	552
FCD104147535	520	735	535	535	5	5	574.5
FCD106B0570	530	780	570	570	6	6	595
FCD112160600	560	800	600	600	7.5	7.5	620
6727/570*	570	750	530	530	6	6	622
FCDP114163594		815	594	594	6	6	628
FCDP122174660		610	870	660	6	6	680
66721/630K*	630	920	515	515	7.5	7.5	700
FCDP130184690	650	920	690	690	7.5	7.5	724
FCDP140196700	700	980	700	700	6	6	774
FCDP145200700	725	1000	700	700	6	6	796
FCDP160216700/HC	800	1080	700	700	3	3	878
FCDP160216750		1080	750	880	6	6	
FCDP170236850		850	1180	850	7.5	7.5	940
FCDP190260850/C9HCYA3	950	1300	850	850	7.5	7.5	1044
6727/950*		1300	850	850	10	10	1044
E6727/950K*		1300	850	850	10	10	1044
FCDP206276850	1030	1380	850	850	7.5	7.5	1124

Mounting related dimensions			Basic load ratings		Mass	Remarks
$D_{1\min}$	b	k	Cr	Cor		
mm			kN		kg	
593	15	8	4750	15400	419	*FC structure (tapered bore)
632			8620	21300	545	
642			8620	22000	580	
615	15	7	6100	20100	446	
617	15	8	7850	23700	460	
642			9010	24600	590	
680.5			10500	27200	738	
719			12500	30600	952	
740			13000	33400	1010	
690		8	7000	26600	625	
758			13100	32100	1010	
808			15200	40300	1310	
825	25	12	10700	17160	1182	
856	25	12	16700	45500	1490	
914			17800	48200	1680	
936			18100	49700	1740	
982	23.5	12	12600	48500	1850	
1010	23.5	12	18400	55000	2020	
1104			25400	72700	2900	
1182	30	14	23000	85000	3390	
1182	30	16	21500	80500	3390	
1187	32	12	17900	64000	3360	
1296			29800	90900	3680	

