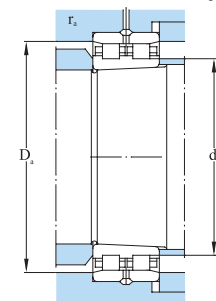
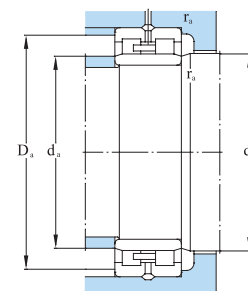
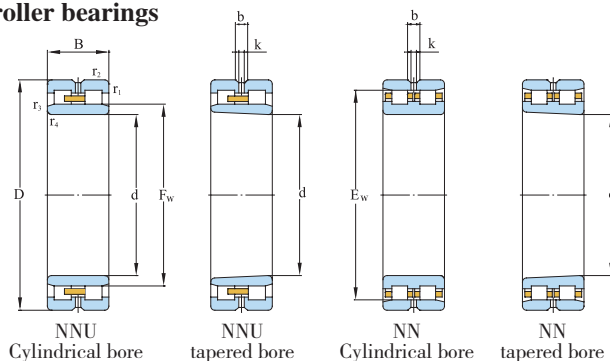




Harbin Bearing
Group Corporation

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

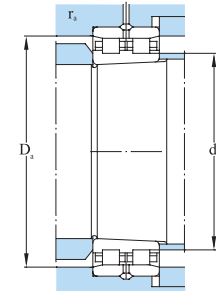
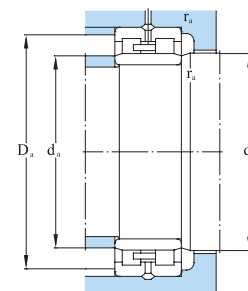
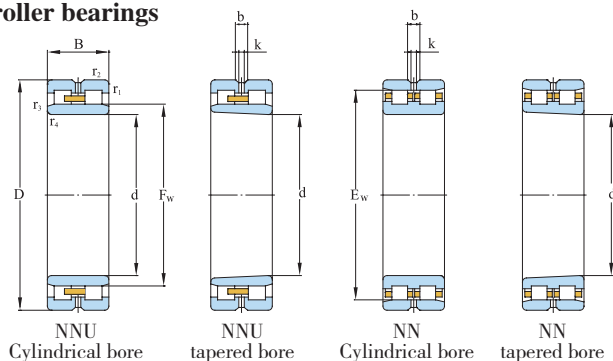




Harbin Bearing
Group Corporation

Cylindrical roller bearings

Double row



Bearing designations		Boundary dimensions							
Cylindrical bore	Tapered bore	d	D	B	r _{1,2} min	F _w	E _w	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

