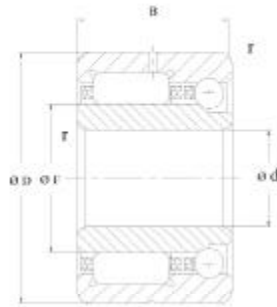


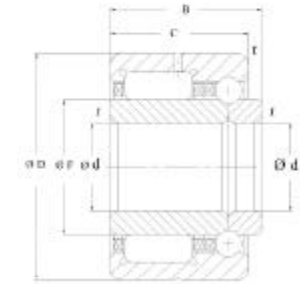
## Needle roller / angular contact ball bearings

Single direction  
Series NKIA  
Double direction  
Series NKIB

HMEC



NKIA



NKIB

Shaft diameter	Dimensions						Basic Load rating			
	d	F	D	B	C	r	radial dyn. C	stat. Co	axial dyn. C	stat. Co
						min	kN	kN	kN	kN
12	12	16	24	16	-	0.3	7.6	8.3	2.7	3.45
	12	16	24	17.5	16	0.3	7.6	8.3	2.7	3.45
15	15	20	28	18	-	0.3	10.6	13.6	2.9	4.2
	15	20	28	20	18	0.3	10.6	13.6	2.9	4.2
17	17	22	30	18	-	0.3	11	14.6	3.15	4.9
	17	22	30	20	18	0.3	11	14.6	3.15	4.9
20	20	25	37	23	-	0.3	21	25.5	4.9	7.4
	20	25	37	25	23	0.3	21	25.5	4.9	7.4
22	22	28	39	23	-	0.3	22.8	29.5	5.3	8.6
	22	28	39	25	23	0.3	22.8	29.5	5.3	8.6
25	25	30	42	23	-	0.3	23.6	31.5	5.4	9.3
	25	30	42	25	23	0.3	23.6	31.5	5.4	9.3
30	30	35	47	23	-	0.3	25	35.5	5.9	11.2
	30	35	47	25	23	0.3	25	35.5	5.9	11.2
35	35	42	55	27	-	0.6	31.5	50	7.4	14.9
	35	42	55	30	27	0.6	31.5	50	7.4	14.9
40	40	48	62	30	-	0.6	43	67	9.2	19.4
	40	48	62	34	30	0.6	43	67	9.2	19.4
45	45	52	68	30	-	0.6	45	73	9.6	21.4
	45	52	68	34	30	0.6	45	73	9.6	21.4
50	50	58	72	30	-	0.6	47	80	10.1	24.3
	50	58	72	34	30	0.6	47	80	10.1	24.3
55	55	63	80	34	-	1	58	100	12.1	29.5
	55	63	80	38	34	1	58	100	12.1	29.5
60	60	68	85	34	-	1	60	108	12.4	32
	60	68	85	38	34	1	60	108	12.4	32
65	65	72	90	34	-	1	61	112	12.8	34
	65	72	90	38	34	1	61	112	12.8	34
70	70	80	100	40	-	1	84	156	16.8	44.5
	70	80	100	45	40	1	84	156	16.8	44.5

Fatigue limit load		Limiting speed	Reference speed <sup>2)</sup>	Code bearing	Mass
radial Pu	axial Pu	n <sub>G</sub>	n <sub>B</sub>	HMEC	≈
kN	kN	min <sup>-1</sup>	min <sup>-1</sup>		kg
1.19	0.128	24000	21000	<b>NKIA 5901</b>	40
1.19	0.128	24000	21000	<b>NKIB 5901</b>	43
1.84	0.156	22000	17000	<b>NKIA 5902</b>	50
1.84	0.156	22000	17000	<b>NKIB 5902</b>	52
1.97	0.181	21000	15000	<b>NKIA 5903</b>	56
1.97	0.181	21000	15000	<b>NKIB 5903</b>	58
3.35	0.275	17000	14000	<b>NKIA 5904</b>	103
3.35	0.275	17000	14000	<b>NKIB 5904</b>	107
3.85	0.32	16000	12000	<b>NKIA 59/22</b>	118
3.85	0.32	16000	12000	<b>NKIB 59/22</b>	122
4.1	0.345	15000	12000	<b>NKIA 5905</b>	130
4.1	0.345	15000	12000	<b>NKIB 5905</b>	134
4.65	0.415	13000	10000	<b>NKIA 5906</b>	147
4.65	0.415	13000	10000	<b>NKIB 5906</b>	151
6.8	0.55	11000	9000	<b>NKIA 5907</b>	243
6.8	0.55	11000	9000	<b>NKIB 5907</b>	247
8.5	0.72	9500	7500	<b>NKIA 5908</b>	315
8.5	0.72	9500	7500	<b>NKIB 5908</b>	320
9.4	0.79	8500	7000	<b>NKIA 5909</b>	375
9.4	0.79	8500	7000	<b>NKIB 5909</b>	380
10.2	0.9	8000	6500	<b>NKIA 5910</b>	380
10.2	0.9	8000	6500	<b>NKIB 5910</b>	385
12.6	1.09	7500	6000	<b>NKIA 5911</b>	550
12.6	1.09	7500	6000	<b>NKIB 5911</b>	555
13.6	1.19	7000	5500	<b>NKIA 5912</b>	590
13.6	1.19	7000	5500	<b>NKIB 5912</b>	595
14.2	1.26	6500	5500	<b>NKIA 5913</b>	635
14.2	1.26	6500	5500	<b>NKIB 5913</b>	640
20.1	1.65	6000	4900	<b>NKIA 5914</b>	980
20.1	1.65	6000	4900	<b>NKIB 5914</b>	985