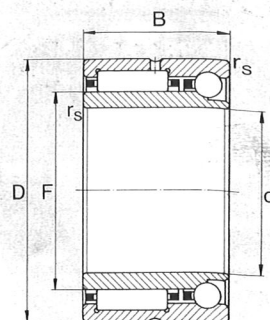


Needle roller-angular contact ball bearings

single direction
Series NKIA



NKIA

107 043

Dimension table · Dimensions in mm

Shaft diameter	Designation	Mass	Dimensions					Basic load ratings				Limiting speed ¹⁾ $n_{oil} \approx$
			d	F	D	B	r_s	radial dyn. C N	stat. C ₀ N	axial dyn. C N	stat. C ₀ N	
		g					min.					min ⁻¹
12	NKIA 5901	40	12	16	24	16	0,3	7 600	8 300	2 160	1 940	23 000
15	NKIA 5902	50	15	20	28	18	0,3	10 600	13 600	2 340	2 370	21 000
17	NKIA 5903	56	17	22	30	18	0,3	11 000	14 600	2 500	2 750	20 000
20	NKIA 5904	103	20	25	37	23	0,3	21 000	25 500	3 950	4 200	17 000
22	NKIA 59/22	118	22	28	39	23	0,3	22 800	29 500	4 250	4 850	15 000
25	NKIA 5905	130	25	30	42	23	0,3	23 600	31 500	4 350	5 200	14 000
30	NKIA 5906	147	30	35	47	23	0,3	25 000	35 500	4 750	6 300	13 000
35	NKIA 5907	243	35	42	55	27	0,6	31 500	50 000	6 000	8 400	11 000
40	NKIA 5908	315	40	48	62	30	0,6	43 000	67 000	7 400	10 900	9 000
45	NKIA 5909 X	375	45	52	68	30	0,6	45 000	73 000	7 700	12 000	8 500
50	NKIA 5910 X	380	50	58	72	30	0,6	47 000	80 000	8 100	13 700	8 000
55	NKIA 5911	550	55	63	80	34	1	58 000	100 000	9 700	16 600	7 000
60	NKIA 5912	590	60	68	85	34	1	60 000	108 000	10 000	17 900	6 500
65	NKIA 5913 X	635	65	72	90	34	1	61 000	112 000	10 300	19 300	6 500
70	NKIA 5914	980	70	80	100	40	1	84 000	156 000	13 500	25 000	5 500

The ball cages are made of plastic, permissible operating temperatures:
120 °C continuously, 150 °C temporarily, 180 °C for short periods.

1) With grease lubrication, 60% of the values given in the tables are permissible.