

Needle roller bearings , relative to its diameter, roller both thin and long. This is called needle roller. Despite having a smaller cross-section, it has a higher load bearing capacity, equipped with a thin and long needle bearing roller, so the radial structure is compact, its diameter size and load capacity and other types of bearings, the outer diameter minimum, especially for radial mounting dimensions restricted support structure.

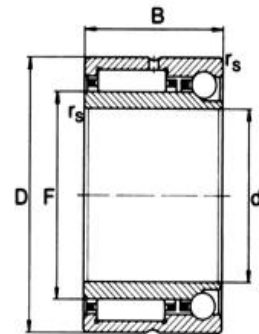
Needle roller bearings are single or double row units comprising machined outer rings with ribs, needle roller and cage assemblies and removable inner rings.

The bearings are available in open and sealed versions.

needle bearings have cylindrical roller,which are thin and long relatively to its diameter

Despiter the smaller cross-section,the bearings still have a high load bearing capacity.

Combined needle roller bearing



NKIA

Motion(shanghai)Industrial Development Co.,Ltd

Shaft Diameter	Bearing Designation		Boundary Dimensions					Basic Load Ratings				Limiting	
			d	F	D	B	C	rs	radial		axial		Speed1)
								min.	C	Co	C	Co	<sup>n1</sup> oil ≈
mm	Open	Sealed						N				min-1	
12	NKIA 5901	-	12	16	24	16	-	0.3	7600	8300	2160	1940	23000
15	NKIA 5902	-	15	20	28	18	-	0.3	10600	13600	2340	2370	21000
17	NKIA 5903	-	17	22	30	18	-	0.3	11000	14600	2500	2750	20000
20	NKIA 5904	-	20	25	37	23	-	0.3	21000	25500	3950	4200	17000
22	NKIA 59/22	-	22	28	39	23	-	0.3	22800	29500	4250	4850	15000
25	NKIA 5905	-	25	30	42	23	-	0.3	23600	31500	4350	5200	14000
30	NKIA 5906	-	30	35	47	23	-	0.3	25000	35500	4750	6300	13000

35	NKIA 5907	-	35	42	55	27	-	0.6	31500	50000	6000	8400	11000
40	NKIA 5908	-	40	48	62	30	-	0.6	43000	67000	7400	10900	9000
45	NKIA 5909	-	45	52	68	30	-	0.6	45000	73000	7700	12000	8500
50	NKIA 5910	-	50	58	72	30	-	0.6	47000	80000	8100	13700	8000
55	NKIA 5911	-	55	63	80	34	-	1	58000	100000	9700	16600	7000
60	NKIA 5912	-	60	68	85	34	-	1	60000	108000	10000	17900	6500
65	NKIA 5913	-	65	72	90	34	-	1	61000	112000	10300	19300	6500
70	NKIA 5914	-	70	80	100	40	-	1	84000	156000	13500	25000	5500
12	NKIA 5901	-	12	16	24	17.5	16	0.3	7600	8300	2160	1940	23000
15	NKIA 5902	-	15	20	28	20	18	0.3	10600	13600	2340	2370	21000
17	NKIA 5903	-	17	22	30	20	18	0.3	11000	14600	2500	2750	20000
20	NKIA 5904	-	20	25	37	25	23	0.3	21000	25500	3950	4200	17000
22	NKIA 59/22	-	22	28	39	25	23	0.3	22800	29500	4250	4850	15000
25	NKIA 5905	-	25	30	42	25	23	0.3	23600	31500	4350	5200	14000
30	NKIA 5906	-	30	35	47	25	23	0.3	25000	35500	4750	6300	13000
35	NKIA 5907	-	35	42	55	30	27	0.6	31500	50000	6000	8400	11000
40	NKIA 5908	-	40	48	62	34	30	0.6	43000	67000	7400	10900	9000
45	NKIA 5909	-	45	52	68	34	30	0.6	45000	73000	7700	12000	8500
50	NKIA 5910	-	50	58	72	34	30	0.6	47000	80000	8100	13700	8000
55	NKIA 5911	-	55	63	80	38	34	1	58000	100000	9700	16600	7000
60	NKIA 5912	-	60	68	85	38	34	1	60000	108000	10000	17900	6500
65	NKIA 5913	-	65	72	90	38	34	1	61000	112000	10300	19300	6500
70	NKIA 5914	-	70	80	100	45	40	1	84000	156000	13500	25000	5500
7	NX 7 TN	NX 7 Z TN	7	7	14	18	0.3	4.7	-	-	-	-	-
10	NX 10	NX 10 Z	10	10	19	18	0.3	4.7	-	-	-	-	-
12	NX 12	NX 12 Z	12	12	21	18	0.3	4.7	-	-	-	-	-
15	NX 15	NX 15 Z	15	15	24	28	0.3	8	-	-	-	-	-
17	NX 17	NX 17 Z	17	17	26	28	0.3	8	-	-	-	-	-
20	NX 20	NX 20 Z	20	20	30	28	0.3	8	-	-	-	-	-
25	NX 25	NX 25 Z	25	25	37	30	0.3	8	-	-	-	-	-
30	NX 30	NX 30 Z	30	30	42	30	0.3	10	-	-	-	-	-
35	NX 35	NX 35 Z	35	35	47	30	0.3	10	-	-	-	-	-
10	NKX 10 TN	NKX 10 Z TN	19	10	24	25.2	23	0.3	-	-	-	-	-
12	NKX 12	NKX 12 Z	21	12	26	27.2	23	0.3	-	-	-	-	-
15	NKX 15	NKX 15 Z	24	15	28	29.2	23	0.3	-	-	-	-	-
17	NKX 17	NKX 17 Z	26	17	30	31.2	25	0.3	-	-	-	-	-
20	NKX 20	NKX 20 Z	30	20	35	36.2	30	0.3	-	-	-	-	-
25	NKX 25	NKX 25 Z	37	25	42	43.2	30	0.6	-	-	-	-	-
30	NKX 30	NKX 30 Z	42	30	47	48.2	30	0.6	-	-	-	-	-
35	NKX 35	NKX 35 Z	47	35	52	53.2	30	0.6	-	-	-	-	-
40	NKX 40	NKX 40 Z	52	40	60	61.2	32	0.6	-	-	-	-	-

45	NKX 45	NKX 45 Z	58	45	65	66.5	32	0.6	-	-	-	-	-
50	NKX 50	NKX 50 Z	62	50	70	71.5	35	0.6	-	-	-	-	-
60	NKX 60	NKX 60 Z	72	60	85	86.5	40	1	-	-	-	-	-
70	NKX 70	NKX 70 Z	85	70	95	96.5	40	1	-	-	-	-	-

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