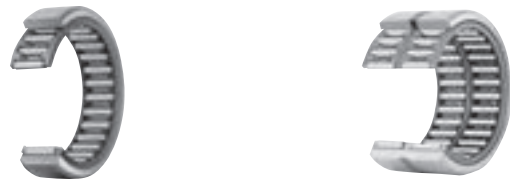


NEEDLE ROLLER BEARINGS WITH SEPARABLE CAGE

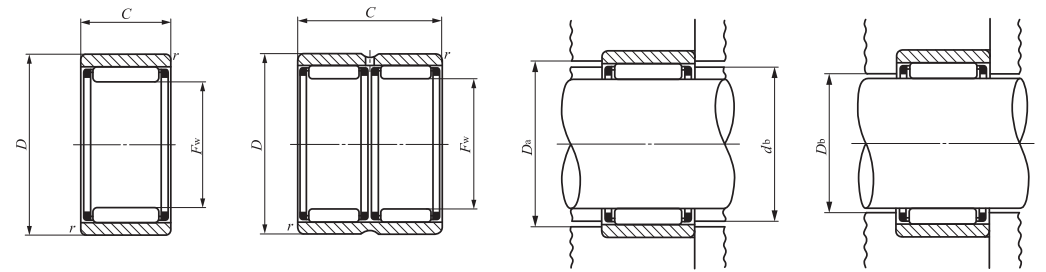
Without Inner Ring



Shaft dia. 5 – 18mm

Shaft dia. mm	Identification number	Mass (Ref.) g	Boundary dimensions mm				Standard mounting dimensions mm			Basic dynamic load rating <i>C</i> N	Basic static load rating <i>C</i> ₀ N
			<i>F</i> _w	<i>D</i>	<i>C</i>	<i>r</i> _{s min} ⁽¹⁾	<i>d</i> _b	<i>D</i> _a Max.	<i>D</i> _b		
5	RNAF 5108N	2.8	5	10	8	0.2	6.7	8.4	5.4	2 420	1 950
6	RNAF 6138N	5.5	6	13	8	0.3	8.4	11	6.4	2 700	2 320
7	RNAF 7148N	6.1	7	14	8	0.3	9.4	12	7.4	2 960	2 690
8	RNAF 81510	8.2	8	15	10	0.3	10.4	13	8.4	3 630	3 600
	RNAFW 81620	20.5	8	16	20	0.3	10.8	14	8.4	6 220	7 200
10	RNAF 101710	9.6	10	17	10	0.3	12.4	15	10.4	4 160	4 550
	RNAF 102012	18.7	10	20	12	0.3	13.5	18	10.4	5 940	6 000
12	RNAF 122212	19.5	12	22	12	0.3	15.5	20	12.4	9 030	8 460
14	RNAF 142213	18.7	14	22	13	0.3	17.6	20	14.6	7 860	9 410
	RNAFW 142220	28.5	14	22	20	0.3	17.6	20	14.6	10 800	14 200
	RNAF 142612	29	14	26	12	0.3	19.4	24	14.6	9 790	9 680
15	RNAF 152313	19.7	15	23	13	0.3	18.6	21	15.6	8 250	10 200
	RNAFW 152320	30.5	15	23	20	0.3	18.6	21	15.6	11 400	15 400
16	RNAF 162413	21	16	24	13	0.3	19.6	22	16.6	8 620	11 000
	RNAFW 162420	32	16	24	20	0.3	19.6	22	16.6	11 900	16 700
	RNAF 162812	31.5	16	28	12	0.3	21.4	26	16.6	10 500	10 900
17	RNAF 172513	22	17	25	13	0.3	20.6	23	17.6	8 980	11 800
	RNAFW 172520	33.5	17	25	20	0.3	20.6	23	17.6	12 400	17 900
18	RNAF 182613	23	18	26	13	0.3	21.6	24	18.6	9 330	12 700
	RNAFW 182620	35	18	26	20	0.3	21.6	24	18.6	12 900	19 100
	RNAF 183012	34.5	18	30	12	0.3	23.4	28	18.6	11 800	13 100
	RNAFW 183024	69.5	18	30	24	0.3	23.4	28	18.6	20 200	26 200

Notes⁽¹⁾ Minimum allowable value of chamfer dimension *r*
⁽²⁾ Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 50% of this value is allowable.
 Remarks1. The character "N" at the end of the identification number indicates that a synthetic resin cage is incorporated.
 2. RNAF has no oil hole. RNAFW is provided with an oil groove and an oil hole on the outer ring.
 3. No grease is prepacked. Perform proper lubrication.



RNAF

RNAFW

Allowable rotational speed ⁽²⁾ min ⁻¹
85 000
75 000
65 000
60 000
60 000
50 000
50 000
40 000
35 000
35 000
35 000
35 000
35 000
35 000
30 000
30 000
30 000
30 000
30 000
30 000