

MACHINED TYPE NEEDLE ROLLER BEARINGS

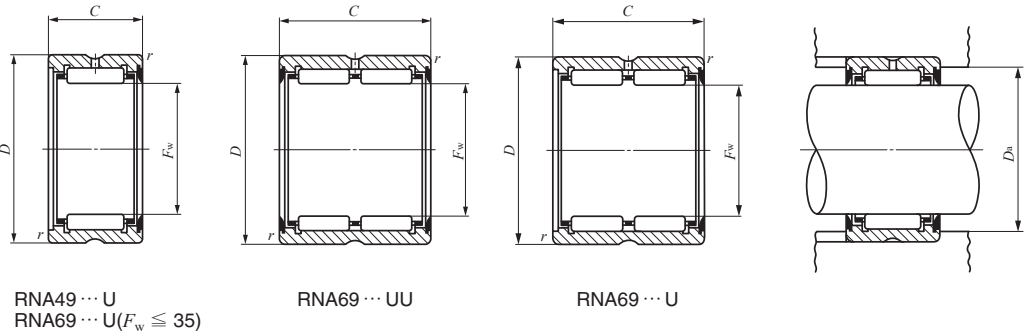
With Seal, Without Inner Ring



Shaft dia. 14 — 45mm

Shaft dia. mm	Identification number				Mass (Ref.) g	Boundary dimensions mm			
	With two seals	With one seal	With two seals	With one seal		F_w	D	C	$r_{s \min}^{(1)}$
14	RNA 4900UU	RNA 4900U	—	—	16.3	14	22	13	0.3
16	RNA 4901UU —	RNA 4901U —	—	—	17.9	16	24	13	0.3
			RNA 6901UU	RNA 6901U	30	16	24	22	0.3
18	RNA 49/14UU	RNA 49/14U	—	—	19.7	18	26	13	0.3
20	RNA 4902UU —	RNA 4902U —	—	—	21.5	20	28	13	0.3
			RNA 6902UU	RNA 6902U	37.5	20	28	23	0.3
22	RNA 4903UU —	RNA 4903U —	—	—	23	22	30	13	0.3
			RNA 6903UU	RNA 6903U	40.5	22	30	23	0.3
25	RNA 4904UU —	RNA 4904U —	—	—	54.5	25	37	17	0.3
			RNA 6904UU	RNA 6904U	95.5	25	37	30	0.3
28	RNA 49/22UU —	RNA 49/22U —	—	—	55.5	28	39	17	0.3
			RNA 69/22UU	RNA 69/22U	97.5	28	39	30	0.3
30	RNA 4905UU —	RNA 4905U —	—	—	63	30	42	17	0.3
			RNA 6905UU	RNA 6905U	111	30	42	30	0.3
32	RNA 49/28UU —	RNA 49/28U —	—	—	75.5	32	45	17	0.3
			RNA 69/28UU	RNA 69/28U	133	32	45	30	0.3
35	RNA 4906UU —	RNA 4906U —	—	—	71	35	47	17	0.3
			RNA 6906UU	RNA 6906U	125	35	47	30	0.3
40	RNA 49/32UU —	RNA 49/32U —	—	—	94.5	40	52	20	0.6
			RNA 69/32UU	RNA 69/32U	170	40	52	36	0.6
42	RNA 4907UU —	RNA 4907U —	—	—	112	42	55	20	0.6
			RNA 6907UU	RNA 6907U	200	42	55	36	0.6
45	RNA 49/38UU	RNA 49/38U	—	—	119	45	58	20	0.6

Notes⁽¹⁾ Minimum allowable value of chamfer dimension r
⁽²⁾ Allowable rotational speed applies to grease lubrication.
Remarks1. The outer ring has an oil groove and an oil hole.
2. Bearings are provided with prepacked grease. Bearings with a seal on one side are not provided with prepacked grease. Perform proper lubrication for use.



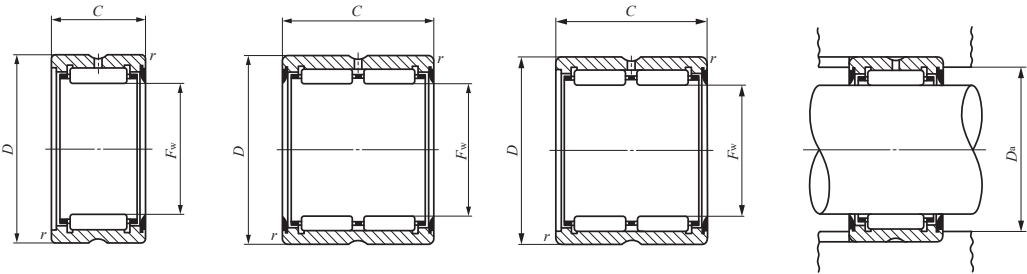
Standard mounting dimension D_a Max. mm	Basic dynamic load rating C N	Basic static load rating C_0 N	Allowable rotational speed ⁽²⁾ n min ⁻¹
20	8 080	8 490	14 000
22	8 470	9 320	12 000
22	15 500	20 400	12 000
24	9 260	10 800	11 000
26	9 570	11 600	9 500
26	18 500	27 100	9 500
28	10 300	13 100	8 500
28	19 800	30 600	8 500
35	18 000	20 500	7 500
35	33 000	44 600	7 500
37	18 300	23 700	7 000
37	33 800	52 000	7 000
40	20 300	25 100	6 500
40	39 200	58 700	6 500
43	21 000	26 800	6 000
43	38 900	59 100	6 000
45	21 500	28 400	5 500
45	40 100	63 000	5 500
48	29 400	44 200	5 000
48	50 300	88 300	5 000
51	30 100	46 300	4 500
51	51 600	92 600	4 500
54	31 600	50 400	4 000

MACHINED TYPE NEEDLE ROLLER BEARINGS

With Seal, Without Inner Ring



RNA49 ... UU



RNA49 ... U

RNA69 ... UU

RNA69 ... U

Shaft dia. 48 — 85mm

Shaft dia. mm	Identification number				Mass (Ref.) g	Boundary dimensions mm			
	With two seals	With one seal	With two seals	With one seal		F_w	D	C	$r_s^{(1)}$
48	RNA 4908UU	RNA 4908U	—	—	150	48	62	22	0.6
	—	—	RNA 6908UU	RNA 6908U	270	48	62	40	0.6
50	RNA 49/42UU	RNA 49/42U	—	—	173	50	65	22	0.6
52	RNA 4909UU	RNA 4909U	—	—	197	52	68	22	0.6
	—	—	RNA 6909UU	RNA 6909U	355	52	68	40	0.6
55	RNA 49/48UU	RNA 49/48U	—	—	187	55	70	22	0.6
58	RNA 4910UU	RNA 4910U	—	—	177	58	72	22	0.6
	—	—	RNA 6910UU	RNA 6910U	320	58	72	40	0.6
60	RNA 49/52UU	RNA 49/52U	—	—	200	60	75	22	0.6
63	RNA 4911UU	RNA 4911U	—	—	265	63	80	25	1
	—	—	RNA 6911UU	RNA 6911U	470	63	80	45	1
65	RNA 49/58UU	RNA 49/58U	—	—	275	65	82	25	1
68	RNA 4912UU	RNA 4912U	—	—	285	68	85	25	1
	—	—	RNA 6912UU	RNA 6912U	505	68	85	45	1
70	RNA 49/62UU	RNA 49/62U	—	—	320	70	88	25	1
72	RNA 4913UU	RNA 4913U	—	—	325	72	90	25	1
	—	—	RNA 6913UU	RNA 6913U	580	72	90	45	1
75	RNA 49/68UU	RNA 49/68U	—	—	465	75	95	30	1
80	RNA 4914UU	RNA 4914U	—	—	495	80	100	30	1
	—	—	RNA 6914UU	RNA 6914U	910	80	100	54	1
85	RNA 4915UU	RNA 4915U	—	—	520	85	105	30	1
	—	—	RNA 6915UU	RNA 6915U	960	85	105	54	1

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Standard mounting dimension D_a Max. mm	Basic dynamic load rating C N	Basic static load rating C_0 N	Allowable rotational speed ⁽²⁾ n min ⁻¹
58	37 200	58 400	4 000
58	63 700	117 000	4 000
61	38 000	60 900	4 000
64	38 900	63 400	3 500
64	66 600	127 000	3 500
66	39 600	66 100	3 500
68	41 300	71 100	3 500
68	70 800	142 000	3 500
71	42 100	73 600	3 000
75	52 200	85 700	3 000
75	89 400	171 000	3 000
77	53 400	89 200	3 000
80	54 500	92 800	3 000
80	93 400	186 000	3 000
83	55 700	96 300	2 500
85	56 800	99 800	2 500
85	97 400	200 000	2 500
90	73 900	133 000	2 500
95	76 900	143 000	2 500
95	124 000	281 000	2 500
100	79 600	153 000	2 000
100	128 000	299 000	2 000