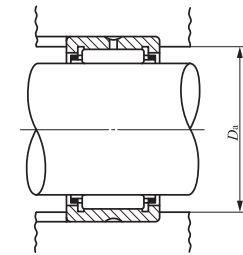
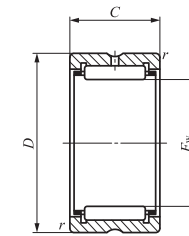


MACHINED TYPE NEEDLE ROLLER BEARINGS

Without Inner Ring



RNA49 TAF
RNA69 ($F_w \leq 35$)

Shaft dia. 5 – 15mm

Shaft dia. mm	Identification number						Mass (Ref.) g
	RNA 49	RNA 69	RNA 48	TAF	TR	GTR	
5	—	—	—	TAF 51010	—	—	3.4
	—	—	—	TAF 51012	—	—	4.2
	RNA 493	—	—	—	—	—	4.6
6	RNA 494	—	—	—	—	—	5.3
	—	—	—	TAF 61212	—	—	6.4
7	RNA 495	—	—	—	—	—	5.9
	—	—	—	TAF 71410	—	—	6.9
	—	—	—	TAF 71412	—	—	8.3
8	RNA 496	—	—	—	—	—	7.4
	—	—	—	TAF 81512	—	—	9.1
	—	—	—	TAF 81516	—	—	12.9
9	—	—	—	TAF 91612	—	—	9.8
	—	—	—	TAF 91616	—	—	13.2
	RNA 497	—	—	—	—	—	9.3
10	—	—	—	TAF 101712	—	—	10.7
	—	—	—	TAF 101716	—	—	14.3
	RNA 498	—	—	—	—	—	12.6
12	—	—	—	TAF 121912	—	—	12.2
	—	—	—	TAF 121916	—	—	16.3
	RNA 499	—	—	—	—	—	13.6
14	RNA 4900	—	—	—	—	—	16.5
	—	—	—	TAF 142216	—	—	21
	—	—	—	TAF 142220	—	—	26.5
15	—	—	—	TAF 152316	—	—	22.5
	—	—	—	TAF 152320	—	—	28

Notes⁽¹⁾ Minimum allowable value of chamfer dimension r
⁽²⁾ Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.
 Remarks1. TAF series with a roller set bore diameter F_w of 26 mm or less have no oil hole. In others, the outer ring has an oil groove and an oil hole.
 2. No grease is prepacked. Perform proper lubrication.

Boundary dimensions mm				Standard mounting dimension	Basic dynamic load rating	Basic static load rating	Allowable rotational speed ⁽²⁾ min ⁻¹
F_w	D	C	$r_{s \min}^{(1)}$	D_a Max. mm	C N	C_0 N	
5	10	10	0.2	8.4	2 420	1 950	80 000
5	10	12	0.2	8.4	3 080	2 660	80 000
5	11	10	0.15	9.8	2 420	1 950	80 000
6	12	10	0.15	10.8	2 700	2 320	70 000
6	12	12	0.2	10.4	3 440	3 170	70 000
7	13	10	0.15	11.8	2 960	2 690	60 000
7	14	10	0.2	12.4	3 600	2 960	60 000
7	14	12	0.2	12.4	4 610	4 050	60 000
8	15	10	0.15	13.8	3 960	3 420	50 000
8	15	12	0.2	13.4	5 060	4 690	50 000
8	15	16	0.2	13.4	7 080	7 220	50 000
9	16	12	0.2	14.4	5 490	5 330	45 000
9	16	16	0.2	14.4	7 680	8 210	45 000
9	17	10	0.15	15.8	4 530	3 650	45 000
10	17	12	0.2	15.4	5 880	5 970	40 000
10	17	16	0.2	15.4	8 230	9 190	40 000
10	19	11	0.2	17.4	6 180	5 030	40 000
12	19	12	0.3	17	6 610	7 260	35 000
12	19	16	0.3	17	9 250	11 200	35 000
12	20	11	0.3	18	6 600	6 310	35 000
14	22	13	0.3	20	9 230	10 100	30 000
14	22	16	0.3	20	11 700	13 700	30 000
14	22	20	0.3	20	14 800	18 600	30 000
15	23	16	0.3	21	12 300	14 900	30 000
15	23	20	0.3	21	15 600	20 200	30 000