

MACHINED TYPE NEEDLE ROLLER BEARINGS

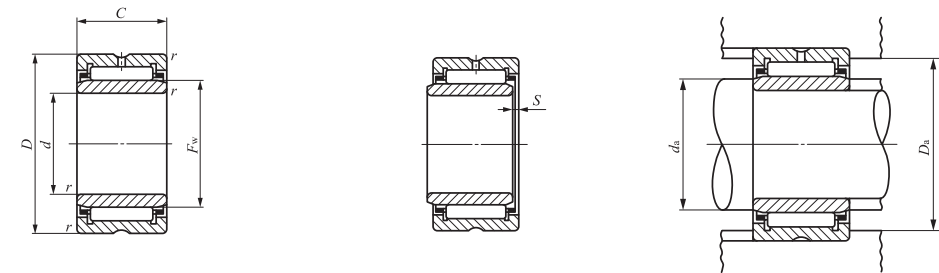
With Inner Ring



Shaft dia. 5 – 12mm

Shaft dia. mm	Identification number						Mass (Ref.) g	d
	NA 49	NA 69	NA 48	TAFI	TRI	GTRI		
5	NA 495	—	—	—	—	—	7.3	5
	—	—	—	TAFI 51512	—	—	11.9	5
	—	—	—	TAFI 51516	—	—	16.7	5
6	NA 496	—	—	—	—	—	9.1	6
	—	—	—	TAFI 61612	—	—	13	6
	—	—	—	TAFI 61616	—	—	17.5	6
7	NA 497	—	—	—	—	—	11.2	7
	—	—	—	TAFI 71712	—	—	14.3	7
	—	—	—	TAFI 71716	—	—	19.2	7
8	NA 498	—	—	—	—	—	15	8
9	—	—	—	TAFI 91912	—	—	16.7	9
	—	—	—	TAFI 91916	—	—	22.5	9
	NA 499	—	—	—	—	—	16.7	9
10	NA 4900	—	—	—	—	—	24	10
	—	—	—	TAFI 102216	—	—	30	10
	—	—	—	TAFI 102220	—	—	38	10
12	NA 4901	—	—	—	—	—	26.5	12
	—	—	—	TAFI 122416	—	—	33.5	12
	—	—	—	TAFI 122420	—	—	42.5	12
	—	NA 6901	—	—	—	—	44.5	12

Notes⁽¹⁾ Minimum allowable value of chamfer dimension *r*
⁽²⁾ Allowable axial shift amount of inner ring to outer ring
⁽³⁾ Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.
 Remarks1. TAFI series with a bore diameter *d* of 22 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.



NA49 TAFI
NA69 (*d* ≤ 30)

Boundary dimensions mm						Standard mounting dimensions mm			Basic dynamic load rating <i>C</i> N	Basic static load rating <i>C</i> ₀ N	Allowable rotational speed ⁽³⁾ min ⁻¹	Assembled inner ring
<i>D</i>	<i>C</i>	<i>B</i>	<i>r</i> _{s min} ⁽¹⁾	<i>F</i> _w ⁽²⁾	<i>S</i> ⁽²⁾	Min. <i>d</i> _a	Max. <i>d</i> _a	<i>D</i> _a Max.				
13	10	—	0.15	7	0.5	6.2	6.7	11.8	2 960	2 690	60 000	LRT 5710
15	12	—	0.2	8	0.5	6.6	7.7	13.4	5 060	4 690	50 000	LRT 5812
15	16	—	0.2	8	0.5	6.6	7.7	13.4	7 080	7 220	50 000	LRT 5816
15	10	—	0.15	8	0.5	7.2	7.7	13.8	3 960	3 420	50 000	LRT 6810
16	12	—	0.2	9	0.5	7.6	8.7	14.4	5 490	5 330	45 000	LRT 6912
16	16	—	0.2	9	0.5	7.6	8.7	14.4	7 680	8 210	45 000	LRT 6916
17	10	—	0.15	9	0.5	8.2	8.7	15.8	4 530	3 650	45 000	LRT 7910
17	12	—	0.2	10	0.5	8.6	9.7	15.4	5 880	5 970	40 000	LRT 71012
17	16	—	0.2	10	0.5	8.6	9.7	15.4	8 230	9 190	40 000	LRT 71016
19	11	—	0.2	10	0.5	9.6	9.9	17.4	6 180	5 030	40 000	LRT 81011
19	12	—	0.3	12	0.5	11	11.5	17	6 610	7 260	35 000	LRT 91212
19	16	—	0.3	12	0.5	11	11.5	17	9 250	11 200	35 000	LRT 91216
20	11	—	0.3	12	0.5	11	11.5	18	6 600	6 310	35 000	LRT 91211
22	13	—	0.3	14	0.5	12	13	20	9 230	10 100	30 000	LRT 101413
22	16	—	0.3	14	0.5	12	13	20	11 700	13 700	30 000	LRT 101416
22	20	—	0.3	14	0.5	12	13	20	14 800	18 600	30 000	LRT 101420
24	13	—	0.3	16	0.5	14	15	22	9 660	11 100	25 000	LRT 121613
24	16	—	0.3	16	0.5	14	15	22	12 300	15 100	25 000	LRT 121616
24	20	—	0.3	16	0.5	14	15	22	15 500	20 400	25 000	LRT 121620
24	22	—	0.3	16	0.5	14	15	22	17 100	23 000	25 000	LRT 121622