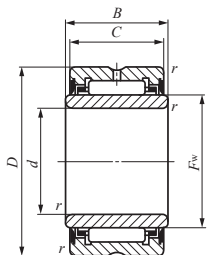


MACHINED TYPE NEEDLE ROLLER BEARINGS

With Seal, With Inner Ring

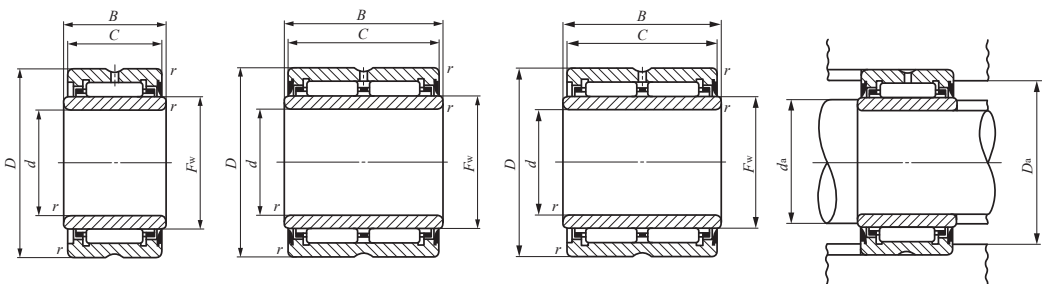


NA49 ... UU
NA69 ... UU(*d* ≤ 30)

Shaft dia. 10 — 40mm

Shaft dia. mm	Identification number				Mass (Ref.) g	Boundary dimensions mm			
	With two seals	With one seal	With two seals	With one seal		<i>d</i>	<i>D</i>	<i>C</i>	<i>B</i>
10	NA 4900UU	NA 4900U	—	—	24.5	10	22	13	14
12	NA 4901UU —	NA 4901U —	—	—	27.5	12	24	13	14
			NA 6901UU	NA 6901U	45.5	12	24	22	23
15	NA 4902UU —	NA 4902U —	—	—	36	15	28	13	14
			NA 6902UU	NA 6902U	62.5	15	28	23	24
17	NA 4903UU —	NA 4903U —	—	—	39.5	17	30	13	14
			NA 6903UU	NA 6903U	68.5	17	30	23	24
20	NA 4904UU —	NA 4904U —	—	—	78.5	20	37	17	18
			NA 6904UU	NA 6904U	137	20	37	30	31
22	NA 49/22UU —	NA 49/22U —	—	—	87.5	22	39	17	18
			NA 69/22UU	NA 69/22U	153	22	39	30	31
25	NA 4905UU —	NA 4905U —	—	—	92.5	25	42	17	18
			NA 6905UU	NA 6905U	162	25	42	30	31
28	NA 49/28UU —	NA 49/28U —	—	—	101	28	45	17	18
			NA 69/28UU	NA 69/28U	177	28	45	30	31
30	NA 4906UU —	NA 4906U —	—	—	106	30	47	17	18
			NA 6906UU	NA 6906U	185	30	47	30	31
32	NA 49/32UU —	NA 49/32U —	—	—	167	32	52	20	21
			NA 69/32UU	NA 69/32U	300	32	52	36	37
35	NA 4907UU —	NA 4907U —	—	—	179	35	55	20	21
			NA 6907UU	NA 6907U	320	35	55	36	37
40	NA 4908UU —	NA 4908U —	—	—	245	40	62	22	23
			NA 6908UU	NA 6908U	440	40	62	40	41

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.



NA49 ... U
NA69 ... U(*d* ≤ 30)

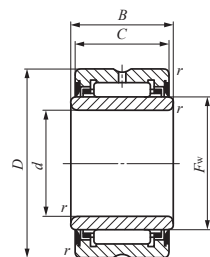
NA69 ... UU

NA69 ... U

<i>r</i> _{s min} ⁽¹⁾	<i>F</i> _w	Standard mounting dimensions mm			Basic dynamic load rating <i>C</i> N	Basic static load rating <i>C</i> ₀ N	Allowable rotational speed ⁽²⁾ min ⁻¹	Assembled inner ring
		<i>d</i> _a Min.	<i>d</i> _a Max.	<i>D</i> _a Max.				
0.3	14	12	13	20	8 080	8 490	14 000	LRTZ 101414
0.3	16	14	15	22	8 470	9 320	12 000	LRTZ 121614
0.3	16	14	15	22	15 500	20 400	12 000	LRTZ 121623
0.3	20	17	19	26	9 570	11 600	9 500	LRTZ 152014
0.3	20	17	19	26	18 500	27 100	9 500	LRTZ 152024
0.3	22	19	21	28	10 300	13 100	8 500	LRTZ 172214
0.3	22	19	21	28	19 800	30 600	8 500	LRTZ 172224
0.3	25	22	24	35	18 000	20 500	7 500	LRTZ 202518
0.3	25	22	24	35	33 000	44 600	7 500	LRTZ 202531
0.3	28	24	27	37	18 300	23 700	7 000	LRTZ 222818
0.3	28	24	27	37	33 800	52 000	7 000	LRTZ 222831
0.3	30	27	29	40	20 300	25 100	6 500	LRTZ 253018
0.3	30	27	29	40	39 200	58 700	6 500	LRTZ 253031
0.3	32	30	31	43	21 000	26 800	6 000	LRTZ 283218
0.3	32	30	31	43	38 900	59 100	6 000	LRTZ 283231
0.3	35	32	34	45	21 500	28 400	5 500	LRTZ 303518
0.3	35	32	34	45	40 100	63 000	5 500	LRTZ 303531
0.6	40	36	39	48	29 400	44 200	5 000	LRTZ 324021
0.6	40	36	39	48	50 300	88 300	5 000	LRTZ 324037
0.6	42	39	41	51	30 100	46 300	4 500	LRTZ 354221
0.6	42	39	41	51	51 600	92 600	4 500	LRTZ 354237
0.6	48	44	47	58	37 200	58 400	4 000	LRTZ 404823
0.6	48	44	47	58	63 700	117 000	4 000	LRTZ 404841

MACHINED TYPE NEEDLE ROLLER BEARINGS

With Seal, With Inner Ring

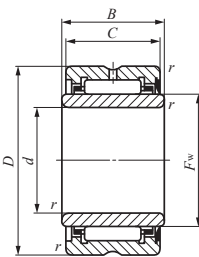


NA49 ... UU

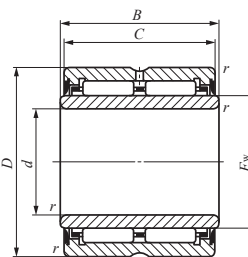
Shaft dia. 45 – 110mm

Shaft dia. mm	Identification number				Mass (Ref.) g	Boundary dimensions mm			
	With two seals	With one seal	With two seals	With one seal		d	D	C	B
45	NA 4909UU	NA 4909U	—	—	290	45	68	22	23
	—	—	NA 6909UU	NA 6909U	520	45	68	40	41
50	NA 4910UU	NA 4910U	—	—	295	50	72	22	23
	—	—	NA 6910UU	NA 6910U	530	50	72	40	41
55	NA 4911UU	NA 4911U	—	—	415	55	80	25	26
	—	—	NA 6911UU	NA 6911U	730	55	80	45	46
60	NA 4912UU	NA 4912U	—	—	445	60	85	25	26
	—	—	NA 6912UU	NA 6912U	785	60	85	45	46
65	NA 4913UU	NA 4913U	—	—	475	65	90	25	26
	—	—	NA 6913UU	NA 6913U	845	65	90	45	46
70	NA 4914UU	NA 4914U	—	—	770	70	100	30	31
	—	—	NA 6914UU	NA 6914U	1 400	70	100	54	55
75	NA 4915UU	NA 4915U	—	—	815	75	105	30	31
	—	—	NA 6915UU	NA 6915U	1 480	75	105	54	55
80	NA 4916UU	NA 4916U	—	—	860	80	110	30	31
	—	—	NA 6916UU	NA 6916U	1 570	80	110	54	55
85	NA 4917UU	NA 4917U	—	—	1 300	85	120	35	36
	—	—	NA 6917UU	NA 6917U	2 360	85	120	63	64
90	NA 4918UU	NA 4918U	—	—	1 360	90	125	35	36
	—	—	NA 6918UU	NA 6918U	2 480	90	125	63	64
95	NA 4919UU	NA 4919U	—	—	1 420	95	130	35	36
	—	—	NA 6919UU	NA 6919U	2 600	95	130	63	64
100	NA 4920UU	NA 4920U	—	—	1 980	100	140	40	41
110	NA 4922UU	NA 4922U	—	—	2 150	110	150	40	41

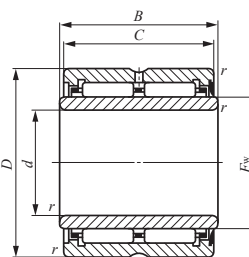
Notes⁽¹⁾ Minimum allowable value of chamfer dimension *r*
⁽²⁾ Allowable rotational speed applies to grease lubrication.
Remarks1. The outer ring has an oil groove and an oil hole.
2. Bearings are provided with prepacked grease. Bearings with a seal on one side are not provided with prepacked grease.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



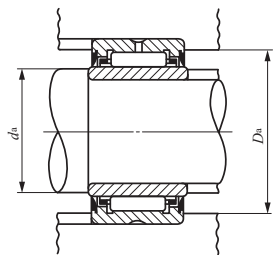
NA49 ... U



NA69 ... UU



NA69 ... U



$r_{s \min}^{(1)}$	F_w	Standard mounting dimensions mm			Basic dynamic load rating <i>C</i> N	Basic static load rating <i>C</i> ₀ N	Allowable rotational speed ⁽²⁾ min ⁻¹	Assembled inner ring	
		<i>d</i> _a Min.	<i>d</i> _a Max.	<i>D</i> _a Max.					
0.6	52	49	51	64	38 900	63 400	3 500	LRTZ	455223
0.6	52	49	51	64	66 600	127 000	3 500	LRTZ	455241
0.6	58	54	57	68	41 300	71 100	3 500	LRTZ	505823
0.6	58	54	57	68	70 800	142 000	3 500	LRTZ	505841
1	63	60	61	75	52 200	85 700	3 000	LRTZ	556326
1	63	60	61	75	89 400	171 000	3 000	LRTZ	556346
1	68	65	66	80	54 500	92 800	3 000	LRTZ	606826
1	68	65	66	80	93 400	186 000	3 000	LRTZ	606846
1	72	70	70.5	85	56 800	99 800	2 500	LRTZ	657226
1	72	70	70.5	85	97 400	200 000	2 500	LRTZ	657246
1	80	75	78	95	76 900	143 000	2 500	LRTZ	708031
1	80	75	78	95	124 000	281 000	2 500	LRTZ	708055
1	85	80	83	100	79 600	153 000	2 000	LRTZ	758531
1	85	80	83	100	128 000	299 000	2 000	LRTZ	758555
1	90	85	88	105	80 700	158 000	2 000	LRTZ	809031
1	90	85	88	105	132 000	317 000	2 000	LRTZ	809055
1.1	100	91.5	98	113.5	103 000	225 000	1 900	LRTZ	8510036
1.1	100	91.5	98	113.5	168 000	448 000	1 900	LRTZ	8510064
1.1	105	96.5	103	118.5	106 000	238 000	1 800	LRTZ	9010536
1.1	105	96.5	103	118.5	172 000	471 000	1 800	LRTZ	9010564
1.1	110	101.5	108	123.5	109 000	250 000	1 700	LRTZ	9511036
1.1	110	101.5	108	123.5	177 000	493 000	1 700	LRTZ	9511064
1.1	115	106.5	113	133.5	134 000	297 000	1 700	LRTZ	10011541
1.1	125	116.5	123	143.5	140 000	322 000	1 500	LRTZ	11012541

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