

ROLLER BEARINGS

Caged Roller Bearings With Seal

Full Complement Roller Bearings With Seal



Shaft dia. 10 – 40mm

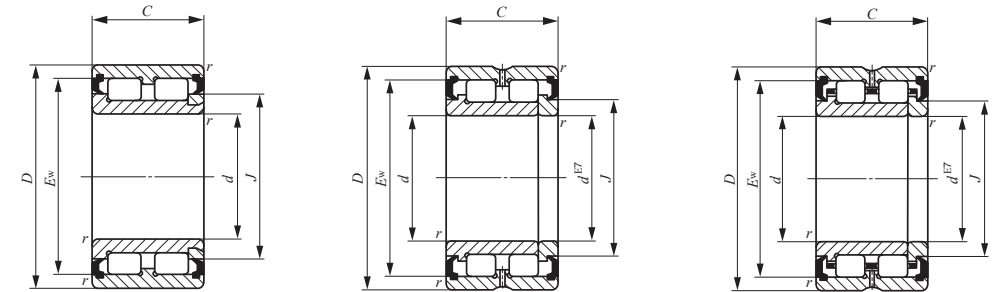
Shaft dia. mm	Identification number			Mass (Ref.) g	Boundary dimensions mm				
	Full complement type	Caged type			<i>d</i>	<i>D</i>	<i>C</i>	<i>r<sub>s</sub></i> min <sup>(1)</sup>	<i>J</i>
10	NAG 4900UU	—	—	25.5	10	22	13	0.3	15.5
12	NAG 4901UU	—	—	28.5	12	24	13	0.3	17
15	NAG 4902UU	—	—	38	15	28	13	0.3	21
	—	—	TRU 153320UU	80.5	15	33	20	0.3	19.5
17	NAG 4903UU	—	—	41	17	30	13	0.3	22.5
	—	—	TRU 173425UU	100	17	34	25	0.3	21.5
20	NAG 4904UU	—	—	76.5	20	37	17	0.3	24
	—	NAU 4904UU	—	76	20	37	17	0.3	24
	—	—	TRU 203820UU	96.5	20	38	20	0.3	25
	—	—	TRU 203825UU	122	20	38	25	0.3	25
25	NAG 4905UU	—	—	89.5	25	42	17	0.3	29.5
	—	NAU 4905UU	—	89	25	42	17	0.3	29.5
	—	—	TRU 254425UU	154	25	44	25	0.3	30.5
28	—	—	TRU 284530UU	173	28	45	30	0.3	31.5
30	NAG 4906UU	—	—	103	30	47	17	0.3	34
	—	NAU 4906UU	—	102	30	47	17	0.3	34
	—	—	TRU 304830UU	197	30	48	30	0.3	35
32	—	—	TRU 325230UU	260	32	52	30	0.6	38
35	NAG 4907UU	—	—	172	35	55	20	0.6	40
	—	NAU 4907UU	—	168	35	55	20	0.6	40
	—	—	TRU 355630UU	270	35	56	30	0.6	40
40	NAG 4908UU	—	—	225	40	62	22	0.6	46
	—	—	TRU 405930UU	265	40	59	30	0.6	45
	—	NAU 4908UU	—	220	40	62	22	0.6	46

Notes<sup>(1)</sup> Minimum allowable value of chamfer dimension *r*

<sup>(2)</sup> Allowable rotational speed applies to grease lubrication. Considering that the axial load acts under practical operating conditions, up to 1/10 of this value is recommended for actual use.

Remarks1. The NAG and NAU series with a bore diameter, *d*, of 17 mm or less have no oil hole. In others, the outer ring has an oil groove and two oil holes.

2. The bearings with seals are provided with prepacked grease.



NAG49 ... UU  
(*d* ≤ 17)

NAG49 ... UU

NAU49 ... UU  
TRU ... UU

<i>E<sub>w</sub></i>	Basic dynamic load rating <i>C</i> N	Basic static load rating <i>C<sub>0</sub></i> N	Allowable rotational speed <sup>(2)</sup> min <sup>-1</sup>
19.5	9 650	10 800	10 000
21	10 300	12 000	9 000
25	11 800	15 200	7 000
27	10 400	10 400	9 500
26.5	12 300	16 500	6 500
29.5	18 000	21 600	8 500
31.5	15 600	18 900	5 500
31.5	10 700	11 300	8 000
32.5	12 100	13 400	7 500
32.5	18 700	23 600	7 500
37	17 500	23 200	4 500
37	11 900	13 900	6 500
38	21 000	28 900	6 000
39.5	28 700	43 800	6 000
41.5	19 400	27 600	4 000
41.5	13 000	16 200	5 500
42.5	29 400	46 600	5 500
46	29 800	44 200	5 000
49	28 700	43 800	3 500
49	19 500	26 300	4 500
49	32 200	49 800	4 500
56	34 600	49 500	3 000
52.5	34 700	62 500	4 000
56	23 400	29 400	4 000

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Caged Roller Bearings With Seal

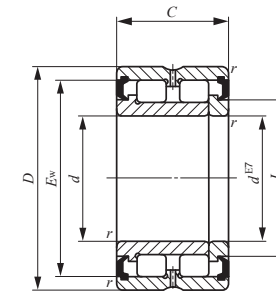
Full Complement Roller Bearings With Seal



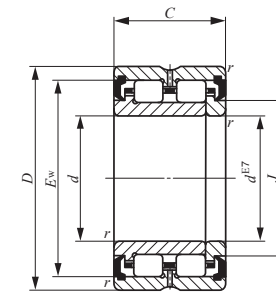
Shaft dia. 42 – 80mm

Shaft dia. mm	Identification number			Mass (Ref.) g	Boundary dimensions mm				
	Full complement type	Caged type			<i>d</i>	<i>D</i>	<i>C</i>	<i>r<sub>s</sub></i> min <sup>(1)</sup>	<i>J</i>
42	—	—	TRU 426230UU	290	42	62	30	0.6	48
45	NAG 4909UU	—	—	265	45	68	22	0.6	51
	—	—	TRU 456430UU	295	45	64	30	0.6	50.5
	—	NAU 4909UU	—	260	45	68	22	0.6	51
50	NAG 4910UU	—	—	270	50	72	22	0.6	55.5
	—	NAU 4910UU	—	265	50	72	22	0.6	55.5
	—	—	TRU 507745UU	710	50	77	45	1	58
55	NAG 4911UU	—	—	395	55	80	25	1	61.5
	—	NAU 4911UU	—	385	55	80	25	1	61.5
	—	—	TRU 558138UU	615	55	81	38	1	61.5
60	NAG 4912UU	—	—	425	60	85	25	1	67
	—	NAU 4912UU	—	415	60	85	25	1	67
	—	—	TRU 608945UU	880	60	89	45	1	69.5
65	NAG 4913UU	—	—	455	65	90	25	1	72
	—	NAU 4913UU	—	440	65	90	25	1	72
70	NAG 4914UU	—	—	725	70	100	30	1	79
	—	NAU 4914UU	—	705	70	100	30	1	79
75	NAG 4915UU	—	—	775	75	105	30	1	83.5
	—	NAU 4915UU	—	750	75	105	30	1	83.5
	—	—	TRU 7510845UU	1 240	75	108	45	1	85.5
80	NAG 4916UU	—	—	815	80	110	30	1	89.5
	—	NAU 4916UU	—	790	80	110	30	1	89.5

Notes<sup>(1)</sup> Minimum allowable value of chamfer dimension *r*  
<sup>(2)</sup> Allowable rotational speed applies to grease lubrication. Considering that the axial load acts under practical operating conditions, up to 1/10 of this value is recommended for actual use.  
 Remarks1. The outer ring has an oil groove and two oil holes.  
 2. The bearings with seals are provided with prepacked grease.



NAG49 ... UU



NAU49 ... UU  
TRU ... UU

<i>E<sub>w</sub></i>	Basic dynamic load rating <i>C</i> N	Basic static load rating <i>C<sub>0</sub></i> N	Allowable rotational speed <sup>(2)</sup> min <sup>-1</sup>
56.5	34 600	57 800	4 000
61	36 400	54 700	2 500
58.5	32 600	59 700	3 500
61	24 800	32 800	3 500
65.5	38 200	59 900	2 500
65.5	26 200	36 200	3 500
69	75 700	134 000	3 500
72.5	48 100	77 700	2 000
72.5	33 000	47 000	3 000
72.5	61 400	104 000	3 000
77.5	50 300	84 300	2 000
77.5	34 700	51 400	3 000
81.5	88 100	152 000	3 000
83	53 200	93 000	1 900
83	36 900	57 100	2 500
91.5	77 700	139 000	1 800
91.5	53 700	84 600	2 500
95.5	80 000	146 000	1 700
95.5	54 800	88 200	2 500
98.5	103 000	190 000	2 000
102	83 000	157 000	1 600
102	57 200	95 500	2 000

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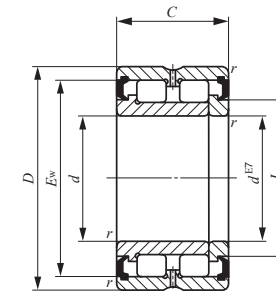
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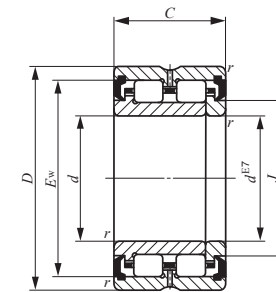
Shaft dia. 85 – 140mm

Shaft dia. mm	Identification number			Mass (Ref.) g	Boundary dimensions mm				
	Full complement type	Caged type			<i>d</i>	<i>D</i>	<i>C</i>	<i>r<sub>s</sub></i> min <sup>(1)</sup>	<i>J</i>
85	NAG 4917UU	—	—	1 190	85	120	35	1.5	96
	—	—	TRU 8511850UU	1 530	85	118	50	1	94.5
	—	NAU 4917UU	—	1 150	85	120	35	1.5	96
	—	—	TRU 8512045UU	1 500	85	120	45	1.5	96.5
90	NAG 4918UU	—	—	1 250	90	125	35	1.5	101
	—	NAU 4918UU	—	1 210	90	125	35	1.5	101
	—	—	TRU 9012550UU	1 740	90	125	50	1.5	101
95	NAG 4919UU	—	—	1 300	95	130	35	1.5	106
	—	NAU 4919UU	—	1 270	95	130	35	1.5	106
100	NAG 4920UU	—	—	1 850	100	140	40	1.5	114.5
	—	—	TRU 10013550UU	1 900	100	135	50	1.5	112
	—	NAU 4920UU	—	1 770	100	140	40	1.5	114.5
105	—	—	TRU 10515350UU	2 890	105	153	50	1.5	120
110	NAG 4922UU	—	—	2 010	110	150	40	1.5	123
	—	NAU 4922UU	—	1 930	110	150	40	1.5	123
120	NAG 4924UU	—	—	2 780	120	165	45	1.5	136
	—	NAU 4924UU	—	2 680	120	165	45	1.5	136
125	—	—	TRU 12517860UU	4 490	125	178	60	1.5	143.5
130	NAG 4926UU	—	—	3 750	130	180	50	2	147
	—	NAU 4926UU	—	3 610	130	180	50	2	147
135	—	—	TRU 13518860UU	4 790	135	188	60	1.5	154
140	NAG 4928UU	—	—	3 990	140	190	50	2	157.5
	—	NAU 4928UU	—	3 840	140	190	50	2	157.5

Notes<sup>(1)</sup> Minimum allowable value of chamfer dimension *r*  
<sup>(2)</sup> Allowable rotational speed applies to grease lubrication. Considering that the axial load acts under practical operating conditions, up to 1/10 of this value is recommended for actual use.  
 Remarks1. The outer ring has an oil groove and two oil holes.  
 2. The bearings with seals are provided with prepacked grease.



NAG49...UU



NAU49...UU  
TRU...UU

<i>E<sub>w</sub></i>	Basic dynamic load rating	Basic static load rating	Allowable rotational speed <sup>(2)</sup>
	<i>C</i> N	<i>C<sub>0</sub></i> N	
110	111 000	200 000	1 500
107.5	114 000	222 000	2 000
110	75 400	120 000	2 000
110	110 000	215 000	2 000
115.5	114 000	211 000	1 400
115.5	79 500	130 000	1 900
114	119 000	240 000	1 900
120.5	117 000	222 000	1 300
120.5	81 000	136 000	1 800
129.5	152 000	292 000	1 200
125.5	124 000	264 000	1 700
129.5	106 000	181 000	1 700
138	159 000	286 000	1 600
138.5	161 000	322 000	1 100
138.5	113 000	200 000	1 600
153.5	208 000	431 000	1 000
153.5	146 000	268 000	1 400
162	211 000	408 000	1 400
165.5	240 000	495 000	950
165.5	166 000	304 000	1 300
172.5	220 000	442 000	1 300
176	249 000	531 000	900
176	174 000	327 000	1 200

E  
NAG  
NAU  
TRU  
NAS