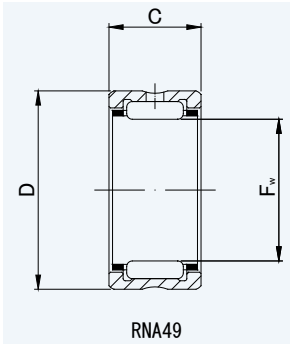
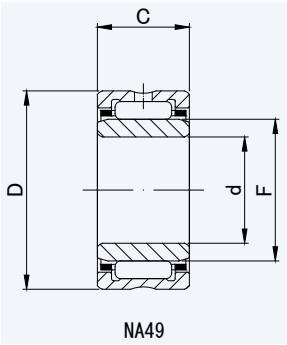


MACHINED RING
NEEDLE ROLLER
BEARINGS
WITH INNER RING
WITHOUT INNER RING

NA49, RNA49



NA49, RNA49

DIMENSION TABLE

JNS NUMBER WITH INNER RING	Mass (Approx.)	JNS NUMBER WITHOUT INNER RING	Mass (Approx.)	JNS NUMBER Assembled INNER RING	Dimensions(mm)				Basic dynamic load rating	Basic static load rating	IKO		INA		NTN		TORRINGTON(KOYO)	
											WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING
NA 49	g	RNA 49	g	IR	d	Fw (F)	D	C	Cr N	Cor N	NA 49	RNA 49	NA 49	RNA 49	NA 49	RNA 49	NA 49	RNA 49
NA 495	7.3	RNA 495	5.9	—	5	7	13	10	2 960	2 690	—	—	—	—	—	—	—	—
NA 496	9.1	RNA 496	7.3	IR6810	6	8	15	10	3 900	3 400	NA496	RNA496	NA496	—	NA496	RNA496	—	—
NA 497	11.2	RNA 497	9.3	IR7910	7	9	17	10	4 500	3 600	NA497	RNA497	NA497	—	NA497	RNA497	—	—
NA 498	15	RNA 498	12.6	IR81011	8	10	19	11	6 200	5 000	NA498	RNA498	NA498	—	NA498	RNA498	—	—
NA 499	16.7	RNA 499	13.6	IR91211	9	12	20	11	6 600	6 300	NA499	RNA499	NA499	—	NA499	RNA499	—	—
NA 4900	24	RNA 4900	16.5	IR101413	10	14	22	13	9 200	10 100	NA4900	RNA4900	NA4900	RNA4900	NA4900R	RNA4900R	NA4900	RNA4900
NA 4901	26.5	RNA 4901	18.1	IR121613	12	16	24	13	9 700	11 100	NA4901	RNA4901	NA4901	RNA4901	NA4901R	RNA4901R	NA4901	RNA4901
NA 4902	35	RNA 4902	21.5	IR152013	15	20	28	13	10 900	13 800	NA4902	RNA4902	NA4902	RNA4902	NA4902R	RNA4902R	NA4902	RNA4902
NA 4903	39	RNA 4903	23.5	IR172213	17	22	30	13	11 800	15 600	NA4903	RNA4903	NA4903	RNA4903	NA4903R	RNA4903R	NA4903	RNA4903
NA 4904	78.5	RNA 4904	55.5	IR202517	20	25	37	17	21 000	25 000	NA4904	RNA4904	NA4904	RNA4904	NA4904R	RNA4904R	NA4904	RNA4904
NA 49/22	87	RNA 49/22	56.5	IR222817	22	28	39	17	21 400	28 800	NA49/22	RNA49/22	NA49/22	RNA49/22	NA49/22R	RNA49/22R	NA49/22	RNA49/22
NA 4905	92.5	RNA 4905	64	IR253017	25	30	42	17	23 700	30 700	NA4905	RNA4905	NA4905	RNA4905	NA4905R	RNA4905R	NA4905	RNA4905
NA 49/28	101	RNA 49/28	76.5	IR283217	28	32	45	17	24 500	32 700	NA49/28	RNA49/28	NA49/28	RNA49/28	NA49/28R	RNA49/28R	—	—
NA 4906	106	RNA 4906	72.5	IR303517	30	35	47	17	25 200	34 700	NA4906	RNA4906	NA4906	RNA4906	NA4906R	RNA4906R	NA4906	RNA4906
NA 49/32	165	RNA 49/32	96	IR324020	32	40	52	20	31 300	47 900	NA49/32	RNA49/32	NA49/32	RNA49/32	NA49/32R	RNA49/32R	NA49/32	RNA49/32
NA 4907	178	RNA 4907	113	IR354220	35	42	55	20	32 000	50 200	NA4907	RNA4907	NA4907	RNA4907	NA4907R	RNA4907R	NA4907	RNA4907
NA 4908	245	RNA 4908	152	IR404822	40	48	62	22	41 600	67 400	NA4908	RNA4908	NA4908	RNA4908	NA4908R	RNA4908R	NA4908	RNA4908
NA 4909	285	RNA 4909	197	IR455222	45	52	68	22	43 500	73 400	NA4909	RNA4909	NA4909	RNA4909	NA4909R	RNA4909R	NA4909	RNA4909
NA 4910	295	RNA 4910	179	IR505822	50	58	72	22	46 200	82 100	NA4910	RNA4910	NA4910	RNA4910	NA4910R	RNA4910R	NA4910	RNA4910
NA 4911	410	RNA 4911	265	IR556325	55	63	80	25	57 600	97 300	NA4911	RNA4911	NA4911	RNA4911	NA4911R	RNA4911R	NA4911	RNA4911
NA 4912	440	RNA 4912	285	IR606825	60	68	85	25	60 100	104 900	NA4912	RNA4912	NA4912	RNA4912	NA4912R	RNA4912R	NA4912	RNA4912
NA 4913	470	RNA 4913	325	IR657225	65	72	90	25	62 800	113 800	NA4913	RNA4913	NA4913	RNA4913	NA4913R	RNA4913R	NA4913	RNA4913
NA 4914	765	RNA 4914	495	IR708030	70	80	100	30	83 200	157 900	NA4914	RNA4914	NA4914	RNA4914	NA4914R	RNA4914R	NA4914	RNA4914
NA 4915	810	RNA 4915	525	IR758530	75	85	105	30	86 200	169 700	NA4915	RNA4915	NA4915	RNA4915	NA4915R	RNA4915R	NA4915	RNA4915
NA 4916	855	RNA 4916	550	IR809030	80	90	110	30	87 400	174 600	NA4916	RNA4916	NA4916	RNA4916	NA4916R	RNA4916R	NA4916	RNA4916
NA 4917	1 280	RNA 4917	705	IR8510035	85	100	120	35	109 800	244 200	NA4917	RNA4917	NA4917	RNA4917	NA4917R	RNA4917R	NA4917	RNA4917
NA 4918	1 350	RNA 4918	740	IR9010535	90	105	125	35	112 800	257 900	NA4918	RNA4918	NA4918	RNA4918	NA4918R	RNA4918R	NA4918	RNA4918
NA 4919	1 420	RNA 4919	770	IR9511035	95	110	130	35	116 700	270 700	NA4919	RNA4919	NA4919	RNA4919	NA4919R	RNA4919R	NA4919	RNA4919
NA 4920	1 960	RNA 4920	1 190	IR10011540	100	115	140	40	145 000	329 000	NA4920	RNA4920	NA4920	RNA4920	NA4920	RNA4920	NA4920	RNA4920
NA 4922	2 120	RNA 4922	1 280	IR11012540	110	125	150	40	152 000	357 000	NA4922	RNA4922	NA4922	RNA4922	NA4922	RNA4922	NA4922	RNA4922
NA 4924	2 960	RNA 4924	1 930	IR12013545	120	135	165	45	187 000	435 000	NA4924	RNA4924	NA4924	RNA4924	NA4924	RNA4924	NA4924	RNA4924
NA 4926	4 030	RNA 4926	2 360	IR13015050	130	150	180	50	216 000	540 000	NA4926	RNA4926	NA4926	RNA4926	NA4926	RNA4926	NA4926	RNA4926
NA 4928	4 290	RNA 4928	2 500	IR14016050	140	160	190	50	224 000	580 000	NA4928	RNA4928	NA4928	RNA4928	NA4928	RNA4928	NA4928	RNA4928



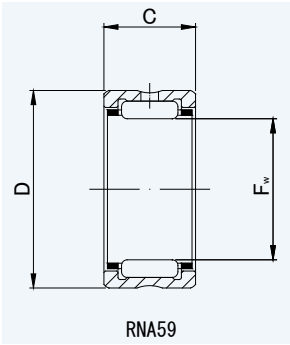
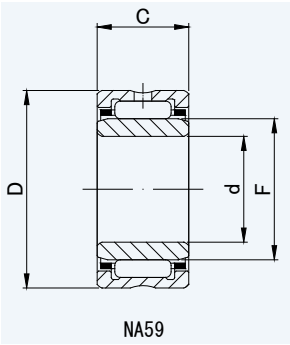
INTERCHANGE



INTERCHANGE

MACHINED RING
NEEDLE ROLLER
BEARINGS
WITH INNER RING
WITHOUT INNER RING

NA59, RNA59



NA59, RNA59

DIMENSION TABLE

JNS NUMBER WITH INNER RING	Mass (Approx.)	JNS NUMBER WITHOUT INNER RING	Mass (Approx.)	JNS NUMBER Assembled INNER RING	Dimensions(mm)				Basic dynamic load rating	Basic static load rating	IKO		INA		NTN		TORRINGTON(KOYO)	
											WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING
NA 59	g	RNA 59	g	IR	d	Fw (F)	D	C	Cr N	Cor N	—	—	—	—	NA 59	RNA 59	—	—
NA 5902	52	RNA 5902	33	IR152018	15	20	28	18	15 700	22 100	—	—	—	—	NA5902	RNA5902	—	—
NA 5903	56	RNA 5903	35	IR172218	17	22	30	18	16 900	24 900	—	—	—	—	NA5903	RNA5903	—	—
NA 5904	115	RNA 5904	84	IR202523	20	25	37	23	29 400	38 600	—	—	—	—	NA5904	RNA5904	—	—
NA 59/22	134	RNA 59/22	92	IR222823	22	28	39	23	29 800	44 400	—	—	—	—	NA59/22	RNA59/22	—	—
NA 5905	139	RNA 5905	101	IR253023	25	30	42	23	33 200	47 500	—	—	—	—	NA5905	RNA5905	—	—
NA 59/28	142	RNA 59/28	108	IR283223	28	32	45	23	34 300	50 500	—	—	—	—	NA59/28	RNA59/28	—	—
NA 5906	152	RNA 5906	108	IR303523	30	35	47	23	35 200	53 700	—	—	—	—	NA5906	RNA5906	—	—
NA 59/32	241	RNA 59/32	149	IR324027	32	40	52	27	41 900	69 900	—	—	—	—	NA59/32	RNA59/32	—	—
NA 5907	256	RNA 5907	176	IR354227	35	42	55	27	42 900	73 200	—	—	—	—	NA5907	RNA5907	—	—
NA 5908	348	RNA 5908	225	IR404830	40	48	62	30	58 000	103 000	—	—	—	—	NA5908	RNA5908	—	—
NA 5909	396	RNA 5909	232	IR455230	45	52	68	30	60 700	112 000	—	—	—	—	NA5909	RNA5909	—	—
NA 5910	498	RNA 5910	289	IR505830	50	58	72	30	64 400	126 000	—	—	—	—	NA5910	RNA5910	—	—
NA 5911	559	RNA 5911	367	IR556334	55	63	80	34	82 600	154 000	—	—	—	—	NA5911	RNA5911	—	—
NA 5912	614	RNA 5912	408	IR606834	60	68	85	34	86 100	167 000	—	—	—	—	NA5912	RNA5912	—	—
NA 5913	655	RNA 5913	462	IR657234	65	72	90	34	89 900	180 000	—	—	—	—	NA5913	RNA5913	—	—
NA 5914	1 060	RNA 5914	706	IR708040	70	80	100	40	112 000	232 000	—	—	—	—	NA5914	RNA5914	—	—
NA 5915	1 130	RNA 5915	745	IR758540	75	85	105	40	116 000	249 000	—	—	—	—	NA5915	RNA5915	—	—
NA 5916	1 150	RNA 5916	787	IR809040	80	90	110	40	117 000	257 000	—	—	—	—	NA5916	RNA5916	—	—
NA 5917	1 760	RNA 5917	1 000	IR8510046	85	100	120	46	144 000	346 000	—	—	—	—	NA5917	RNA5917	—	—
NA 5918	1 840	RNA 5918	1 040	IR9010546	90	105	125	46	148 000	365 000	—	—	—	—	NA5918	RNA5918	—	—
NA 5919	1 980	RNA 5919	1 130	IR9511046	95	110	130	46	152 000	384 000	—	—	—	—	NA5919	RNA5919	—	—

INTERCHANGE TABLE

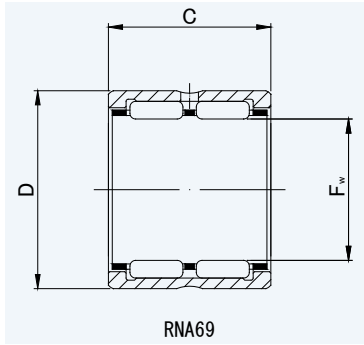
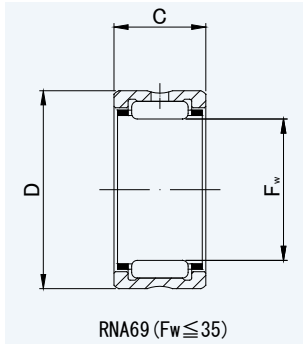
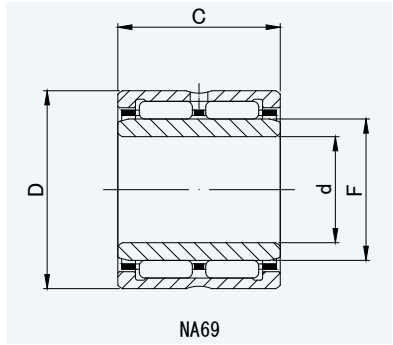
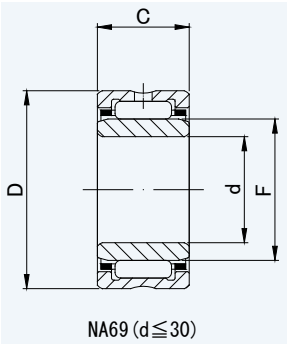


INTERCHANGE



INTERCHANGE

MACHINED RING
NEEDLE ROLLER
BEARINGS
WITH INNER RING
WITHOUT INNER RING



NA69, RNA69

NA69, RNA69

DIMENSION TABLE

JNS NUMBER WITH INNER RING	Mass (Approx.)	JNS NUMBER WITHOUT INNER RING	Mass (Approx.)	JNS NUMBER Assembled INNER RING	Dimensions(mm)				Basic dynamic load rating	Basic static load rating	IKO		INA		NTN		TORRINGTON(KOYO)	
											WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING
NA 69	g	RNA 69	g	IR	d	Fw (F)	D	C	Cr N	Cor N	NA 69	RNA 69	NA 69	RNA 69	NA 69	RNA 69	NA 69	RNA 69
NA 6901	44.5	RNA 6901	30	IR121622	12	16	24	22	17 100	23 000	NA6901	RNA6901	NA6901	RNA6901	NA6901R	RNA6901R	NA6901	RNA6901
NA 6902	61	RNA 6902	37	IR152023	15	20	28	23	19 300	28 700	NA6902	RNA6902	NA6902	RNA6902	NA6902R	RNA6902R	NA6902	RNA6902
NA 6903	67	RNA 6903	40.5	IR172223	17	22	30	23	20 800	32 500	NA6903	RNA6903	NA6903	RNA6903	NA6903R	RNA6903R	NA6903	RNA6903
NA 6904	136	RNA 6904	95.5	IR202530	20	25	37	30	35 400	48 800	NA6904	RNA6904	NA6904	RNA6904	NA6904R	RNA6904R	NA6904	RNA6904
NA 69/22	152	RNA 69/22	97.5	IR222830	22	28	39	30	36 300	56 900	NA69/22	RNA69/22	NA69/22	RNA69/22	NA69/22R	RNA69/22R	NA69/22	RNA69/22
NA 6905	160	RNA 6905	111	IR253030	25	30	42	30	42 100	64 200	NA6905	RNA6905	NA6905	RNA6905	NA6905R	RNA6905R	NA6905	RNA6905
NA 69/28	176	RNA 69/28	133	IR283230	28	32	45	30	41 800	64 700	NA69/28	RNA69/28	NA69/28	RNA69/28	NA69/28R	RNA69/28R	NA69/28	RNA69/28
NA 6906	184	RNA 6906	125	IR303530	30	35	47	30	43 100	69 000	NA6906	RNA6906	NA6906	RNA6906	NA6906R	RNA6906R	NA6906	RNA6906
NA 69/32	295	RNA 69/32	172	IR324036	32	40	52	36	53 500	95 700	NA69/32	RNA69/32	NA69/32	RNA69/32	NA69/32R	RNA69/32R	NA69/32	RNA69/32
NA 6907	320	RNA 6907	200	IR354236	35	42	55	36	54 800	100 000	NA6907	RNA6907	NA6907	RNA6907	NA6907R	RNA6907R	NA6907	RNA6907
NA 6908	440	RNA 6908	275	IR404840	40	48	62	40	71 300	134 400	NA6908	RNA6908	NA6908	RNA6908	NA6908R	RNA6908R	NA6908	RNA6908
NA 6909	520	RNA 6909	355	IR455240	45	52	68	40	74 600	147 100	NA6909	RNA6909	NA6909	RNA6909	NA6909R	RNA6909R	NA6909	RNA6909
NA 6910	530	RNA 6910	320	IR505840	50	58	72	40	79 100	163 800	NA6910	RNA6910	NA6910	RNA6910	NA6910R	RNA6910R	NA6910	RNA6910
NA 6911	730	RNA 6911	475	IR556345	55	63	80	45	99 000	194 200	NA6911	RNA6911	NA6911	RNA6911	NA6911R	RNA6911R	NA6911	RNA6911
NA 6912	785	RNA 6912	510	IR606845	60	68	85	45	103 000	210 800	NA6912	RNA6912	NA6912	RNA6912	NA6912R	RNA6912R	NA6912	RNA6912
NA 6913	840	RNA 6913	585	IR657245	65	72	90	45	107 900	226 500	NA6913	RNA6913	NA6913	RNA6913	NA6913R	RNA6913R	NA6913	RNA6913
NA 6914	1 400	RNA 6914	910	IR708054	70	80	100	54	133 400	310 900	NA6914	RNA6914	NA6914	RNA6914	NA6914R	RNA6914R	NA6914	RNA6914
NA 6915	1 480	RNA 6915	960	IR758554	75	85	105	54	138 300	330 500	NA6915	RNA6915	NA6915	RNA6915	NA6915R	RNA6915R	NA6915	RNA6915
NA 6916	1 560	RNA 6916	1 010	IR809054	80	90	110	54	143 200	350 100	NA6916	RNA6916	NA6916	RNA6916	NA6916R	RNA6916R	NA6916	RNA6916
NA 6917	2 340	RNA 6917	1 300	IR8510063	85	100	120	63	172 600	466 800	NA6917	RNA6917	NA6917	RNA6917	NA6917R	RNA6917R	NA6917	RNA6917
NA 6918	2 460	RNA 6918	1 360	IR9010563	90	105	125	63	177 500	490 300	NA6918	RNA6918	NA6918	RNA6918	NA6918R	RNA6918R	NA6918	RNA6918
NA 6919	2 580	RNA 6919	1 420	IR9511063	95	110	130	63	182 400	514 800	NA6919	RNA6919	NA6919	RNA6919	NA6919R	RNA6919R	NA6919	RNA6919

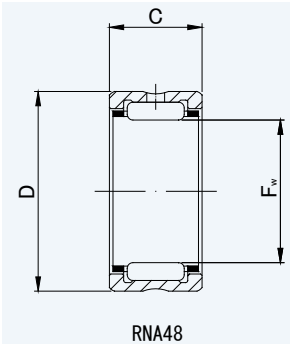
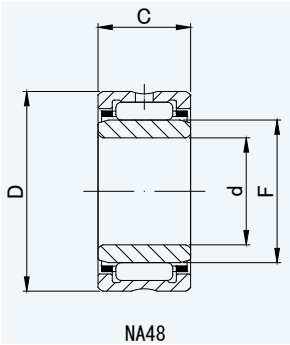
INTERCHANGE TABLE



INTERCHANGE



INTERCHANGE



NA48, RNA48

DIMENSION TABLE

JNS NUMBER WITH INNER RING	Mass (Approx.)	JNS NUMBER WITHOUT INNER RING	Mass (Approx.)	JNS NUMBER Assembled INNER RING	Dimensions(mm)				Basic dynamic load rating	Basic static load rating	IKO		INA		NTN		TORRINGTON(KOYO)	
											WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING	WITH INNER RING	WITHOUT INNER RING
NA 48	g	RNA 48	g	IR	d	Fw (F)	D	C	Cr N	Cor N	NA 48	RNA 48	NA 48	RNA 48	NA 48	RNA 48	NA 48	RNA 48
NA 4822	1 200	RNA4822	790	IR11012030	110	120	140	30	93 000	239 000	NA4822	RNA4822	NA4822	RNA4822	NA4822	RNA4822	NA4822	RNA4822
NA 4824	1 300	RNA4824	850	IR12013030	120	130	150	30	97 000	259 000	NA4824	RNA4824	NA4824	RNA4824	NA4824	RNA4824	NA4824	RNA4824
NA 4826	1 960	RNA4826	1 100	IR13014535	130	145	165	35	117 000	340 000	NA4826	RNA4826	NA4826	RNA4826	NA4826	RNA4826	NA4826	RNA4826
NA 4828	2 100	RNA4828	1 170	IR14015535	140	155	175	35	121 000	363 000	NA4828	RNA4828	NA4828	RNA4828	NA4828	RNA4828	NA4828	RNA4828
NA 4830	2 880	RNA4830	1 750	IR15016540	150	165	190	40	168 000	446 000	NA4830	RNA4830	NA4830	RNA4830	NA4830	RNA4830	NA4830	RNA4830
NA 4832	3 050	RNA4832	1 850	IR16017540	160	175	200	40	173 000	474 000	NA4832	RNA4832	NA4832	RNA4832	NA4832	RNA4832	NA4832	RNA4832

INTERCHANGE TABLE



INTERCHANGE



INTERCHANGE