



Needle Roller Bearing

Designation	Principal dimensions			Basic load ratings		Fatigue load limit	Speed ratings	
	F _w	D	C	dynamic	static		Reference speed	Limiting speed
	F _w	D	C	C	C ₀	P _u		
	mm			kN		kN	r/min	
NK 5/12 TN	5	10	12	2.92	2.7	0.29	36000	40000
RNAO 5x10x8 TN	5	10	8	2.29	2	0.212	36000	40000
NK 5/10 TN	5	10	10	2.29	2	0.212	36000	40000
RNAO 6x13x8 TN	6	13	8	2.55	2.36	0.25	34000	38000
NK 6/12 TN	6	12	12	3.3	3.2	0.345	34000	38000
NK 6/10 TN	6	12	10	2.55	2.36	0.25	34000	38000
RNAO 7x14x8 TN	7	14	8	2.81	2.75	0.29	32000	36000
NK 7/12 TN	7	14	12	3.58	3.75	0.415	32000	36000
NK 7/10 TN	7	14	10	2.81	2.75	0.29	32000	36000
RNAO 8x15x10 TN	8	15	10	3.8	4.25	0.465	32000	36000
NK 8/12 TN	8	15	12	3.8	4.25	0.465	32000	36000
NK 8/16 TN	8	15	16	5.01	5.85	0.67	32000	36000
NK 9/12 TN	9	16	12	4.4	5.2	0.57	30000	34000
NK 9/16 TN	9	16	16	5.72	7.2	0.815	30000	34000
RNAO 10x17x10 TN	10	17	10	4.57	5.7	0.63	28000	32000
NK 10/16 TN	10	17	16	5.94	8	0.9	28000	32000
NK 10/12 TN	10	17	12	4.57	5.7	0.63	28000	32000
RNAO 12x22x12 TN	12	22	12	9.52	10	1.18	26000	30000
NK 12/16	12	19	16	9.13	12	1.43	26000	30000
NK 12/12	12	19	12	6.71	8.15	0.965	26000	30000
RNA 4900	14	22	13	8.8	10.4	1.22	24000	28000
NK 14/16	14	22	16	10.2	12.5	1.5	24000	28000
RNA 4900 RS	14	22	13	7.37	8.15	0.965		12000
NK 14/20	14	22	20	12.8	16.6	2	24000	28000
RNA 4900.2RS	14	22	13	7.37	8.15	0.965		12000

RNAO 15x23x13	15	23	13	8.25	11.2	1.29	24000	28000
NK 15/20	15	23	20	13.8	18.3	2.2	24000	26000
NK 15/16	15	23	16	11	14	1.66	24000	26000
RNA 4901	16	24	13	9.9	12.2	1.46	22000	26000
RNA 4901 RS	16	24	13	8.09	9.65	1.14		11000
RNAO 16x28x12	16	28	12	11	12.5	1.5	22000	26000
RNA 6901	16	24	22	16.1	23.2	2.75	22000	26000
RNAO 16x24x13	16	24	13	8.58	12	1.37	24000	26000
RNA 4901.2RS	16	24	13	8.09	9.65	1.14		11000
NK 16/20	16	24	20	14.5	20	2.4	22000	26000
NK 16/16	16	24	16	11.7	15.3	1.8	22000	26000
RNAO 17x25x13	17	25	13	10.1	14.6	1.73	22000	26000
NK 17/20	17	25	20	15.1	22	2.65	22000	26000
NK 17/16	17	25	16	12.1	16.6	1.96	22000	26000
RNAO 18x30x24	18	30	24	20.9	30	3.6	20000	24000
NK 18/20	18	26	20	16.1	23.6	2.85	22000	24000
NK 18/16	18	26	16	12.8	17.6	2.12	22000	24000
NK 19/20	19	27	20	16.5	25.5	3.05	20000	24000
NK 19/16	19	27	16	13.4	19	2.28	20000	24000
NK 20/20	20	28	20	16.5	25.5	3.05	19000	22000
RNA 4902	20	28	13	11.2	15.3	1.83	19000	22000
RNA 4902.2RS	20	28	13	9.13	12	1.43		9500
RNA 6902	20	28	23	17.2	27	3.35	19000	22000
NK 20/16	20	28	16	13.2	19.3	2.28	19000	22000
NKS 20	20	32	20	23.3	27	3.25	18000	20000
RNAO 20x28x13	20	28	13	9.52	14.6	1.66	20000	22000
RNAO 20x28x26	20	28	26	16.1	29	3.35	20000	22000
RNAO 20x32x12	20	32	12	12.8	16.3	1.96	19000	22000
RNA 4902 RS	20	28	13	9.13	12	1.43		9500
NK 21/16	21	29	16	13.8	20.4	2.45	19000	22000
NK 21/20	21	29	20	17.2	27	3.35	19000	22000
RNA 4903	22	30	13	11.4	16.3	1.96	18000	20000
RNAO 22x30x13	22	30	13	10.1	16.3	1.86	18000	20000
RNA 6903	22	30	23	18.7	30.5	3.75	18000	20000
RNAO 22x35x16	22	35	16	19.4	25.5	3.05	17000	19000
NKS 22	22	35	20	24.6	30	3.65	16000	19000
RNA 4903.2RS	22	30	13	9.52	12.9	1.53		9000
RNA 4903 RS	22	30	13	9.52	12.9	1.53		9000
NK 22/16	22	30	16	14.2	21.6	2.6	18000	20000
NK 22/20	22	30	20	17.9	29	3.55	18000	20000
NK 24/20	24	32	20	19	32.5	4	16000	19000
NKS 24	24	37	20	26	33.5	4	15000	17000
NK 24/16	24	32	16	15.4	24.5	2.9	16000	19000
RNA 4904	25	37	17	21.6	28	3.35	15000	17000
RNAO 25x37x16	25	37	16	20.1	28	3.35	15000	17000

NK 25/16	25	33	16	15.1	24.5	2.9	16000	18000
RNA 6904	25	37	30	35.2	53	6.55	15000	17000
NK 25/20	25	33	20	19	32.5	4	16000	18000
NKS 25	25	38	20	27.5	36	4.4	15000	17000
RNA 4904 RS	25	37	17	19.4	22.4	2.65		7500
RNAO 25x35x17	25	35	17	14.2	26.5	3.1	16000	18000
RNAO 25x35x26	25	35	26	18.7	37.5	4.3	16000	18000
RNA 4904.2RS	25	37	17	19.4	22.4	2.65		7500
NK 26/16	26	34	16	15.7	26	3.1	15000	17000
NK 26/20	26	34	20	19.4	34.5	4.25	15000	17000
RNA 69/22	28	39	30	36.9	57	7.2	14000	15000
NK 28/20	28	37	20	22	36.5	4.55	14000	16000
NKS 28	28	42	20	28.6	39	4.75	13000	15000
RNA 49/22	28	39	17	23.3	32	3.9	14000	15000
NK 28/30	28	37	30	31.9	60	7.5	14000	16000
NK 29/30	29	38	30	31.9	60	7.5	14000	15000
NK 29/20 TN	29	38	20	24.6	42.5	5.2	14000	15000
RNA 4905	30	42	17	24.2	34.5	4.15	13000	15000
NK 30/30 TN	30	40	30	36.9	72	9	13000	15000
RNA 4905.2RS	30	42	17	21.6	27.5	3.25		6300
RNAO 30x40x17	30	40	17	18.7	34	4.05	13000	15000
RNA 6905	30	42	30	38	62	7.65	13000	15000
RNA 4905 RS	30	42	17	21.6	27.5	3.25		6300
RNAO 30x42x32	30	42	32	38	67	8	13000	15000
NK 30/20 TN	30	40	20	25.1	44	5.5	13000	15000
NKS 30	30	45	22	31.9	43	5.3	12000	14000
RNAO 30x42x16	30	42	16	22	33.5	4	13000	15000
RNA 69/28	32	45	30	39.6	65.5	8.3	12000	14000
NK 32/30	32	42	30	34.1	65.5	8.3	12000	14000
RNA 49/28	32	45	17	25.1	36.5	4.4	12000	14000
NK 32/20 TN	32	42	20	26.4	48	6	12000	14000
NKS 32	32	47	22	34.1	46.5	5.7	12000	13000
RNA 4906	35	47	17	25.5	39	4.65	11000	13000
RNAO 35x47x18	35	47	18	26.4	44	5.3	11000	13000
NK 35/30 TN	35	45	30	40.2	85	10.6	11000	13000
RNA 4906 RS	35	47	17	23.3	32	3.8		5600
RNAO 35x47x16	35	47	16	23.3	37.5	4.5	11000	13000
RNA 6906	35	47	30	42.9	75	9.3	11000	13000
RNA 4906.2RS	35	47	17	23.3	32	3.8		5600
RNAO 35x47x32	35	47	32	40.2	75	9	11000	13000
NK 35/20 TN	35	45	20	27.5	52	6.55	11000	13000
RNAO 35x45x13	35	45	13	15.4	28	3.25	12000	13000
RNAO 35x45x17	35	45	17	19.8	39	4.65	12000	13000
NKS 35	35	50	22	35.2	50	6.2	11000	12000
RNAO 35x45x26	35	45	26	26.4	56	6.55	12000	13000

NK 37/20	37	47	20	25.1	46.5	5.85	11000	12000
NK 37/30	37	47	30	36.9	76.5	9.5	11000	12000
NKS 37	37	52	22	36.9	54	6.55	10000	12000
NK 38/20	38	48	20	25.5	49	6.1	11000	12000
NK 38/30	38	48	30	37.4	80	10	11000	12000
RNA 69/32	40	52	36	47.3	90	10.8	10000	11000
NK 40/20 TN	40	50	20	29.7	60	7.5	10000	11000
RNAO 40x50x34	40	50	34	35.2	83	10	10000	12000
NK 40/30	40	50	30	38	83	10.4	10000	11000
RNAO 40x55x40	40	55	40	59.4	118	14.6	10000	11000
RNA 49/32	40	52	20	30.8	51	6.3	10000	11000
RNAO 40x55x20	40	55	20	31.4	57	6.95	10000	11000
RNAO 40x50x17	40	50	17	20.5	41.5	5	10000	12000
NKS 40	40	55	22	38	57	7.1	9500	11000
RNA 4907	42	55	20	31.9	54	6.7	9500	11000
RNA 4907 RS	42	55	20	27	43	5.3		4800
RNA 6907	42	55	36	48.4	93	11.4	9500	11000
NK 42/20	42	52	20	27	53	6.55	9500	11000
NK 42/30	42	52	30	39.1	86.5	10.8	9500	11000
RNA 4907.2RS	42	55	20	27	43	5.3		4800
NK 43/20	43	53	20	27.5	55	6.8	9500	11000
NK 43/30	43	53	30	40.2	90	11.2	9500	11000
NKS 43	43	58	22	39.1	61	7.5	9000	10000
RNAO 45x62x40	45	62	40	64.4	137	16.6	9000	10000
NK 45/30 TN	45	55	30	45.7	108	13.7	9000	10000
NK 45/20 TN	45	55	20	31.4	65.5	8.3	9000	10000
NKS 45	45	60	22	40.2	64	8	8500	10000
RNAO 45x55x17	45	55	17	21.6	46.5	5.6	9000	10000
NK 47/20	47	57	20	29.2	61	7.65	8500	10000
NK 47/30	47	57	30	41.8	98	12.5	8500	10000
RNA 4908	48	62	22	42.9	71	8.8	8000	9500
RNA 6908	48	62	40	67.1	125	15.3	8000	9500
RNA 4908 RS	48	62	22	36.9	58.5	7.1		4000
RNA 4908.2RS	48	62	22	36.9	58.5	7.1		4000
NK 50/35 TN	50	62	35	58.3	137	17	8000	9000
RNAO 50x62x20	50	62	20	25.5	60	7.2	8500	9500
RNAO 50x65x20	50	65	20	34.1	62	7.65	8000	9000
NK 50/25 TN	50	62	25	42.9	91.5	11.2	8000	9000
NKS 50	50	65	22	42.9	72	8.8	8000	9000
RNAO 50x65x40	50	65	40	58.3	125	15.3	8000	9000
RNA 4909	52	68	22	45.7	78	9.65	7500	8500
RNA 4909.2RS	52	68	22	39.1	64	7.8		3800
RNA 6909	52	68	40	70.4	137	17	7500	8500
RNA 4909 RS	52	68	22	39.1	64	7.8		3800
RNAO 55x68x20	55	68	20	27	67	8.15	7500	8500

NK 55/25	55	68	25	40.2	88	10.8	7500	8500
NK 55/35	55	68	35	52.3	122	15.3	7500	8500
NKS 55	55	72	22	44.6	78	9.8	7000	8000
RNA 4910	58	72	22	47.3	85	10.6	7000	8000
RNA 6910	58	72	40	73.7	150	18.6	7000	8000
RNA 4910 RS	58	72	22	40.2	69.5	8.5		3400
RNA 4910.2RS	58	72	22	40.2	69.5	8.5		3400
NK 60/35	60	72	35	55	134	17	6700	7500
RNAO 60x78x20	60	78	20	41.8	86.5	10.6	6700	7500
RNAO 60x78x40	60	78	40	72.1	173	21.2	6700	7500
NKS 60	60	80	28	62.7	104	13.2	6300	7500
NK 60/25 TN	60	72	25	46.8	110	13.4	6700	7500
RNA 4911	63	80	25	57.2	106	13.2	6300	7000
RNA 6911	63	80	45	89.7	190	23.2	6300	7000
NK 65/35	65	78	35	58.3	146	18.3	6300	7000
NK 65/25	65	78	25	44	104	12.7	6300	7000
RNAO 65x85x30	65	85	30	53.9	125	15.6	6300	7000
NKS 65	65	85	28	66	114	14.6	6000	6700
RNA 4912	68	85	25	60.5	114	14.3	6000	6700
RNA 6912	68	85	45	93.5	204	25	6000	6700
NK 68/35	68	82	35	60.5	146	18.3	6000	6700
NK 68/25	68	82	25	44	95	11.8	6000	6700
NKS 70	70	90	28	68.2	120	15.3	5600	6300
NK 70/25	70	85	25	44.6	98	12.2	6000	6700
NK 70/35	70	85	35	61.6	150	19	6000	6700
RNAO 70x90x30	70	90	30	57.2	137	17	6000	6700
RNA 4913	72	90	25	61.6	120	14.6	5600	6300
RNA 6913	72	90	45	95.2	212	26	5600	6300
NK 73/35	73	90	35	73.7	163	20.4	5600	6300
NK 73/25	73	90	25	52.8	106	13.2	5600	6300
NKS 75	75	95	28	70.4	132	16.6	5300	6000
NK 75/35	75	92	35	74.8	170	21.2	5300	6000
NK 75/25	75	92	25	53.9	110	13.7	5300	6000
RNA 4914	80	100	30	84.2	163	20.8	5000	5600
RNA 6914	80	100	54	128	285	36	5000	5600
NK 80/25	80	95	25	56.1	127	15.6	5000	5600
NK 80/35	80	95	35	76.5	190	24	5000	5600
RNAO 80x100x30	80	100	30	68.2	176	22	5000	6000
RNA 4915	85	105	30	84.2	170	21.6	4800	5300
RNA 6915	85	105	54	130	290	37.5	4800	5300
NK 85/35	85	105	35	96.8	200	26	4800	5300
NK 85/25	85	105	25	69.3	132	16.6	4800	5300
RNA 4916	90	110	30	88	183	23.2	4500	5000
RNAO 90x105x26	90	105	26	58.3	150	18.6	4500	5300
RNA 6916	90	110	54	134	315	40	4500	5000

RNAO 90x110x30	90	110	30	64.4	173	21.6	4500	5300
NK 90/35	90	110	35	101	216	28	4500	5000
NK 90/25	90	110	25	72.1	140	18	4500	5000
NK 95/26	95	115	26	73.7	146	18.6	4300	4800
NK 95/36	95	115	36	105	232	30	4300	4800
NK 100/26	100	120	26	76.5	156	19.6	4000	4500
RNA 4917	100	120	35	108	250	31	4000	4500
RNA 6917	100	120	63	165	425	53	4000	4500
RNAO 100x120x30	100	120	30	67.1	190	23.6	4000	4800
NK 100/36	100	120	36	108	250	31	4000	4500
NK 105/36	105	125	36	112	265	32.5	3800	4300
RNA 4918	105	125	35	112	265	32.5	3800	4300
NK 105/26	105	125	26	78.1	166	20.4	3800	4300
RNA 6918	105	125	63	172	450	55	3800	4300
RNA 4919	110	130	35	114	270	33.5	3600	4000
NK 110/40	110	130	40	123	305	37.5	3600	4000
NK 110/30	110	130	30	96.8	220	27	3600	4000
RNA 6919	110	130	63	172	465	56	3600	4000
RNA 4920	115	140	40	125	280	34	3400	4000
RNA 4822	120	140	30	93.5	232	27	3400	3800
RNA 4922	125	150	40	130	300	35.5	3200	3600
RNA 4824	130	150	30	99	255	29	3200	3600
RNA 4924	135	165	45	176	405	49	3000	3400
RNA 4826	145	165	35	119	325	36.5	2800	3200
RNA 4926	150	180	50	198	480	57	2600	3000
RNA 4828	155	175	35	121	345	37.5	2600	3000
RNA 4928	160	190	50	205	510	60	2400	2800
RNA 4830	165	190	40	147	415	46.5	2400	2800
RNA 4832	175	200	40	157	450	49	2200	2600
RNA 4834	185	215	45	179	520	56	2200	2400
RNA 4836	195	225	45	190	570	60	2000	2400
RNA 4838	210	240	50	220	710	73.5	1900	2200
RNA 4840	220	250	50	224	735	75	1800	2000
RNA 4844	240	270	50	238	815	81.5	1700	1900
RNA 4848	265	300	60	347	1120	112	1500	1700
RNA 4852	285	320	60	358	1200	118	1400	1500
RNA 4856	305	350	69	429	1320	129	1300	1400
RNA 4860	330	380	80	594	1800	173	1100	1300
RNA 4864	350	400	80	605	1900	176	1100	1200
RNA 4868	370	420	80	616	1960	183	1000	1200
RNA 4872	390	440	80	627	2040	186	950	1100
RNA 4876	415	480	100	968	3000	270	900	1000