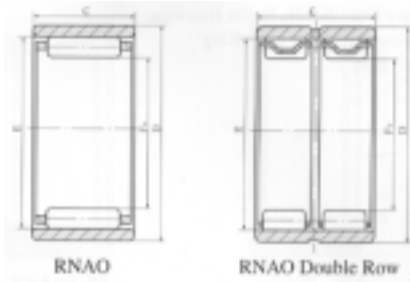
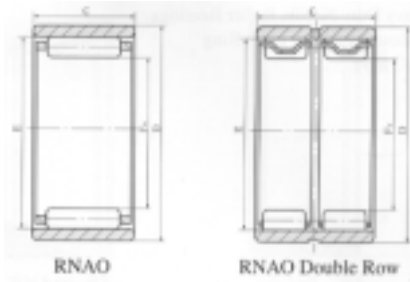


Heavy Duty Needle Roller Bearings
Without Rib, Without Inner Ring
RNAO, RNAO Double Row Series



Shaft Diameter	Bearing Designation	Mass	Boundary Dimensions				Basic Load Rating		Limiting Speed
							Dynamic	Static	
	RNAO	(g)	Fw	D	C	E	Cr(N)	Cor(N)	Oil
5	RNAO5x10x8TN	3	5	10	8	8	2200	1800	35000
6	RNAO6x13x8TN	6	6	13	8	9	2400	2100	33000
7	RNAO7x14x8TN	6	7	14	8	10	2500	2500	32000
8	RNAO8x15x10TN	8	8	15	10	11	3700	3900	29000
10	RNAO10x17x10TN	10	10	17	10	13	4500	5200	26000
12	RNAO12x19x13.5TN	15	12	19	13.5	15	6100	8000	24000
	RNAO12x22x12TN	19	12	22	12	18	9500	9500	23500
15	RNAO15x23x13	20	15	23	13	19	8000	10000	21000
16	RNAO16x24x13	21	16	24	13	20	8500	11000	21000
	RNAO16x24x20	32	16	24	20	20	13000	19000	21000
	RNAO16x28x12	32	16	28	12	22	11000	12000	20500
17	RNAO17x25x13	22	17	25	13	21	10000	14000	20500
18	RNAO18x30x24	69	18	30	24	24	20000	26000	19500
20	RNAO20x28x13	25	20	28	13	24	95000	14000	19000
	RNAO20x28x26	50	20	28	26	24	16000	28000	19000
	RNAO20x32x12	38	20	32	12	26	13000	16000	19000
22	RNAO22x30x13	27	22	30	13	26	10000	15500	18000
	RNAO22x35x16	59	22	35	16	29	19000	25000	17000
25	RNAO25x35x17	53	25	35	17	29	14500	25000	16500
	RNAO25x35x26	76	25	35	26	29	19000	35000	16500
	RNAO25x37x16	60	25	37	16	32	20000	27000	15000
	RNAO25x37x32	119	25	37	32	32	34000	53000	15000
26	RNAO26x39x13	60	26	39	13	30	11000	19000	17000
30	RNAO30x40x17	60	30	40	17	35	19000	33000	13500
	RNAO30x40x26	94	30	40	26	35	25000	49000	13500
	RNAO30x42x16	59	30	42	16	37	23000	33000	13500
	RNAO30x42x32	137	30	42	32	37	39000	65000	13500
35	RNAO35x45x13	53	35	45	13	40	16000	26000	12000
	RNAO35x45x17	69	35	45	17	40	20500	38000	12000
	RNAO35x45x26	91	35	45	26	40	27000	55000	12000
	RNAO35x47x16	78	35	47	16	42	24000	37000	12000
	RNAO35x47x18	89	35	47	18	42	27000	42000	12000
	RNAO35x47x32	156	35	47	32	42	40000	72000	12000
37	RNAO37x52x18	125	37	52	18	44	26000	43000	10800
40	RNAO40x50x17	75	40	50	17	45	21000	40000	10800

Heavy Duty Needle Roller Bearings
Without Rib, Without Inner Ring
RNAO, RNAO Double Row Series



Shaft Diameter	Bearing Designation	Mass	Boundary Dimensions				Basic Load Rating		Limiting Speed
							Dynamic	Static	
	RNAO	(g)	Fw	D	C	E	Cr(N)	Cor(N)	Oil
40	RNAO40X50X34	152	40	50	34	45	35000	79000	10800
	RNAO40X55X20	145	40	55	20	47	32000	55000	10800
	RNAO40X55X40	275	40	55	40	48	61000	115000	9900
42	RNAO42X57X20	150	42	57	20	50	34000	55000	9900
45	RNAO45X55X17	85	45	55	17	50	22000	44000	9900
	RNAO45X62X40	377	45	62	40	53	65000	130000	9000
	RNAO50X62X20	104	50	62	20	55	25000	57000	9000
50	RNAO50X65X20	168	50	65	20	58	35000	59000	8600
	RNAO50X65X40	355	50	65	40	58	58000	12000	8100
55	RNAO55X68X20	166	55	68	20	60	27000	60000	8100
60	RNAO60X78X20	255	60	78	20	68	42000	80000	7700
	RNAO60X78X40	435	60	78	40	68	72000	168000	6800
65	RNAO65X85X30	464	65	85	30	73	55000	120000	6800
70	RNAO70X90X30	500	70	90	30	78	58000	130000	6300
80	RNAO80X100X30	580	80	100	30	88	71000	170000	5900
85	RNAO85X105X25	460	85	105	25	93	55000	130000	5400
90	RNAO90X105X26	375	90	105	26	98	58000	140000	5000
	RNAO90X110X30	610	90	110	30	98	65000	170000	4500
100	RNAO100X120X30	695	100	120	30	108	68000	180000	4500

Remarks: 1) TN=The allowable working temperature for plastic cage: 120 (continuously); 150 (temporarily); 180 (for a short time).

2) Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.