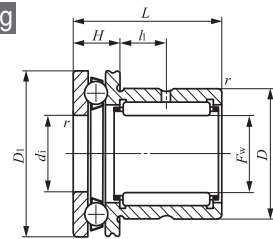


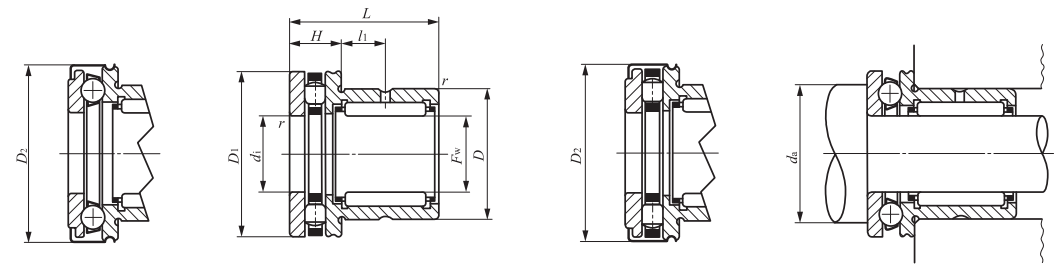
COMBINED TYPE NEEDLE ROLLER BEARINGS

Needle Roller Bearings with Thrust Ball Bearing
Needle Roller Bearings with Thrust Roller Bearing

Without Inner Ring
Without Inner Ring



NAX



NAX...Z

NBX

NBX...Z

Shaft dia. 10 – 70mm

Shaft dia. mm	Identification number							
		Mass (Ref.) g	With dust cover	Mass (Ref.) g		Mass (Ref.) g	With dust cover	Mass (Ref.) g
10	NAX 1023	38.5	NAX 1023Z	40	—	—	—	—
12	NAX 1223	43.5	NAX 1223Z	45.5	—	—	—	—
15	NAX 1523	47.5	NAX 1523Z	48.5	—	—	—	—
	—	—	—	—	NBX 1523	54	NBX 1523Z	55
17	NAX 1725	54	NAX 1725Z	56	—	—	—	—
	—	—	—	—	NBX 1725	61	NBX 1725Z	63
20	NAX 2030	85.5	NAX 2030Z	89	—	—	—	—
	—	—	—	—	NBX 2030	94	NBX 2030Z	97.5
25	NAX 2530	131	NAX 2530Z	135	—	—	—	—
	—	—	—	—	NBX 2530	143	NBX 2530Z	147
30	NAX 3030	145	NAX 3030Z	151	—	—	—	—
	—	—	—	—	NBX 3030	160	NBX 3030Z	166
35	NAX 3530	169	NAX 3530Z	176	—	—	—	—
	—	—	—	—	NBX 3530	186	NBX 3530Z	193
40	NAX 4032	219	NAX 4032Z	227	—	—	—	—
	—	—	—	—	NBX 4032	240	NBX 4032Z	248
45	NAX 4532	264	NAX 4532Z	273	—	—	—	—
	—	—	—	—	NBX 4532	293	NBX 4532Z	302
50	NAX 5035	287	NAX 5035Z	297	—	—	—	—
	—	—	—	—	NBX 5035	315	NBX 5035Z	325
60	NAX 6040	417	NAX 6040Z	454	—	—	—	—
	—	—	—	—	NBX 6040	501	NBX 6040Z	538
70	NAX 7040	555	NAX 7040Z	606	—	—	—	—

Notes⁽¹⁾ Minimum allowable value of chamfer dimension r
⁽²⁾ Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 70% of this value is allowable in the NAX series, and a maximum of 25% of this value is allowable in the NBX series.

Remarks1. The outer ring has an oil groove and an oil hole.
2. No grease is prepacked. Perform proper lubrication.

F_w	Boundary dimensions mm									Standard mounting dimension d_a Min. mm	Basic dynamic load rating C		Basic static load rating C_0		Allowable rotational speed ⁽²⁾ min ⁻¹
	D	D_1	D_2	L	H	l_1	$r_{s \min}$ ⁽¹⁾	d_i	Radial N		Axial N	Radial N	Axial N		
10	19	24	25	23	9	6.5	0.3	10	18	8 230	10 000	9 190	11 100	9 500	
12	21	26	27	23	9	6.5	0.3	12	20	9 250	9 670	11 200	11 100	9 000	
15	24	28	29	23	9	6.5	0.3	15	23	12 300	9 930	14 900	12 200	8 500	
15	24	28	29	23	9	6.5	0.3	15	26	12 300	10 200	14 900	23 900	14 000	
17	26	30	31	25	9	8	0.3	17	25	12 900	10 800	16 300	14 500	8 500	
17	26	30	31	25	9	8	0.3	17	28	12 900	11 400	16 300	28 600	13 000	
20	30	35	36	30	10	10.5	0.3	20	29	17 600	14 200	25 400	19 700	7 500	
20	30	35	36	30	10	10.5	0.3	20	33	17 600	19 000	25 400	48 700	11 000	
25	37	42	43	30	11	9.5	0.6	25	35	20 000	19 600	32 100	29 700	7 000	
25	37	42	43	30	11	9.5	0.6	25	40	20 000	22 700	32 100	60 700	9 000	
30	42	47	48	30	11	9.5	0.6	30	40	25 100	20 400	40 100	33 600	6 500	
30	42	47	48	30	11	9.5	0.6	30	45	25 100	27 400	40 100	81 000	8 000	
35	47	52	53	30	12	9	0.6	35	45	26 900	21 200	46 200	37 600	6 000	
35	47	52	53	30	12	9	0.6	35	50	26 900	29 100	46 200	91 100	7 000	
40	52	60	61	32	13	10	0.6	40	52	29 400	26 900	54 100	50 000	5 500	
40	52	60	61	32	13	10	0.6	40	57	29 400	41 700	54 100	133 000	6 000	
45	58	65	66.5	32	14	9	0.6	45	57	31 000	27 900	60 200	55 100	5 000	
45	58	65	66.5	32	14	9	0.6	45	62	31 000	40 800	60 200	133 000	5 500	
50	62	70	71.5	35	14	10	0.6	50	62	42 200	28 800	83 400	60 100	4 500	
50	62	70	71.5	35	14	10	0.6	50	67	42 200	43 300	83 400	148 000	5 000	
60	72	85	86.5	40	17	12	1	60	75	47 500	41 400	103 000	89 700	4 000	
60	72	85	86.5	40	17	12	1	60	82	47 500	64 600	103 000	224 000	4 000	
70	85	95	96.5	40	18	11	1	70	85	55 500	43 100	120 000	101 000	3 500	

G

NAX
NBX
NATA
NATB