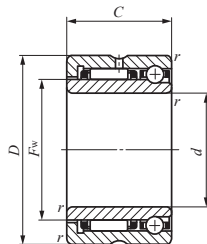
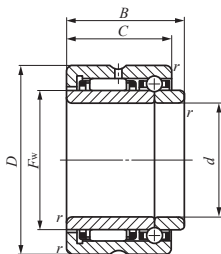


COMBINED TYPE NEEDLE ROLLER BEARINGS

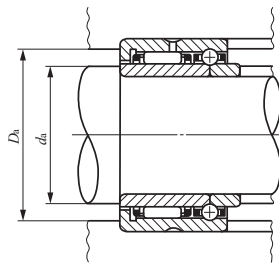
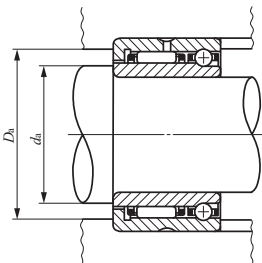
Needle Roller Bearings with Angular Contact Ball Bearing
Needle Roller Bearings with Three-point Contact Ball Bearing



NATA59



NATB59



Shaft dia. 15 – 70mm

Shaft dia. mm	Identification number				Boundary dimensions mm					
	Angular contact type	Mass (Ref.) g	Three-point contact type	Mass (Ref.) g	d	D	C	B	$r_{s\min}^{(1)}$	F_w
15	NATA 5902	50.5	NATB 5902	53	15	28	18	20	0.3	20
17	NATA 5903	55.5	NATB 5903	58.5	17	30	18	20	0.3	22
20	NATA 5904	111	NATB 5904	115	20	37	23	25	0.3	25
25	NATA 5905	131	NATB 5905	136	25	42	23	25	0.3	30
30	NATA 5906	151	NATB 5906	157	30	47	23	25	0.3	35
35	NATA 5907	250	NATB 5907	260	35	55	27	30	0.6	42
40	NATA 5908	355	NATB 5908	375	40	62	30	34	0.6	48
45	NATA 5909	410	NATB 5909	435	45	68	30	34	0.6	55
50	NATA 5910	420	NATB 5910	445	50	72	30	34	0.6	58
55	NATA 5911	585	NATB 5911	615	55	80	34	38	1	63
60	NATA 5912	625	NATB 5912	660	60	85	34	38	1	68
65	NATA 5913	665	NATB 5913	710	65	90	34	38	1	75
70	NATA 5914	1 070	NATB 5914	1 130	70	100	40	45	1	80

Notes⁽¹⁾ Minimum allowable value of chamfer dimension r
⁽²⁾ Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.
Remarks1. The outer ring has an oil groove and an oil hole.
2. No grease is prepacked. Perform proper lubrication.

Standard mounting dimensions mm		Basic dynamic load rating C		Basic static load rating C_0		Allowable rotational speed ⁽²⁾ min ⁻¹
d_a	D_a	Radial	Axial	Radial	Axial	
Min.	Max.	N	N	N	N	
17	26	7 710	1 900	10 200	2 920	20 000
19	28	8 220	2 050	11 500	3 340	18 000
22	35	14 300	3 810	18 400	6 110	16 000
27	40	15 800	4 300	22 100	7 520	13 000
32	45	17 700	4 550	26 800	8 460	11 000
39	51	24 000	4 890	42 100	9 870	9 500
44	58	30 600	5 350	60 400	11 800	8 500
49	64	32 600	5 450	68 500	12 700	7 000
54	68	33 600	5 660	72 500	13 600	7 000
60	75	39 500	10 400	74 400	24 700	6 500
65	80	41 800	10 700	82 200	26 700	6 000
70	85	43 800	11 000	90 200	28 700	5 500
75	95	56 400	13 500	127 000	35 000	5 000

G
NAX
NBX
NATA
NATB