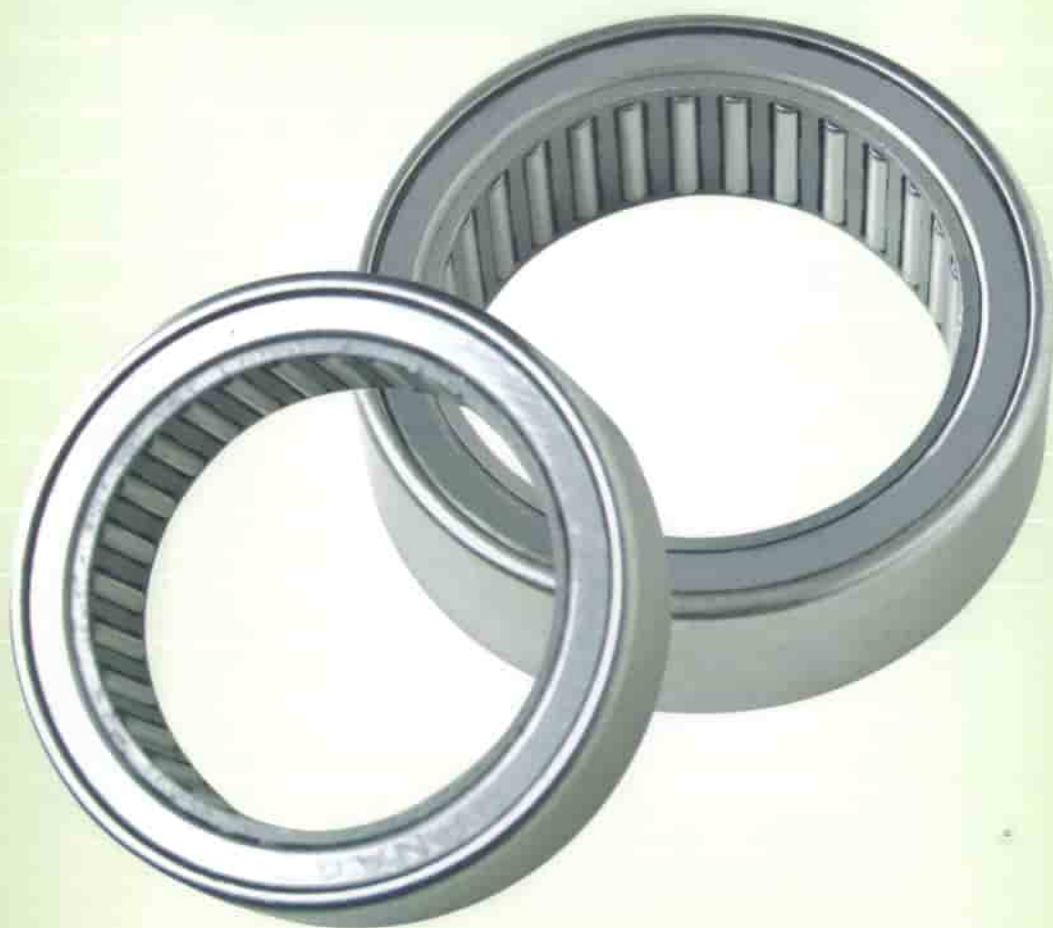
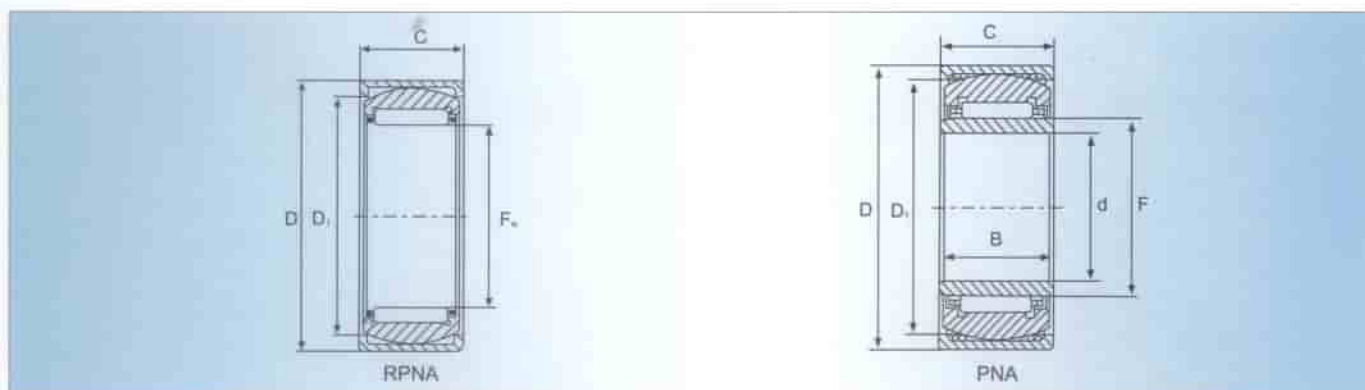


# ALIGNING NEEDLE ROLLER BEARINGS





## Products range

Series	Structure description
RPNA	Aligning needle roller bearing without inner ring
PNA	Aligning needle roller bearing with inner ring

Shaft Diameter	Bearing Designation	Mass Approx	Boundary Dimensions						Basic Load Rating		Limiting Speed
			d	F <sub>w</sub> F	D	B C	D <sub>1</sub>	S	C <sub>d</sub> Dynamic	C <sub>s</sub> Static	Oil
mm		g	mm						N		rpm
Without ring											
15	RPNA 15/28	32	-	15	28	12	24.5	-	4 660	5 700	24 000
18	RPNA 18/32	52	-	18	32	16	27	-	9 800	14 100	22 000
20	RPNA 20/35	62	-	20	35	16	30.5	-	10 500	15 500	21 000
25	RPNA 25/42	109	-	25	42	20	36.5	-	14 900	27 800	18 000
28	RPNA 28/44	112	-	28	44	20	38.5	-	20 500	31 900	16 000
30	RPNA 30/47	125	-	30	47	20	42	-	20 980	33 500	15 000
35	RPNA 35/52	131	-	35	52	20	47.5	-	21 500	39 600	13 000
40	RPNA 40/55	141	-	40	55	20	50.5	-	24 000	44 700	11 000
45	RPNA 45/62	176	-	45	62	20	58	-	24 800	50 900	10 000
With ring											
12	PNA 12/28	37	12	15	28	12	24.5	0.5	4 660	5 700	24 000
15	PNA 15/32	62	15	18	32	16	27	0.5	9 800	14 100	22 000
17	PNA 17/35	73	17	20	35	16	30.5	0.5	10 500	15 500	21 000
20	PNA 20/42	136	20	25	42	20	36.5	0.5	14 900	27 800	18 000
22	PNA 22/44	145	22	28	44	20	38.5	0.5	20 500	31 900	16 000
25	PNA 25/47	157	25	30	47	20	42	0.5	20 980	33 500	15 000
30	PNA 30/52	181	30	35	52	20	47.5	0.5	21 500	39 600	13 000
35	PNA 35/55	177	35	40	55	20	50.5	0.5	24 000	44 700	11 000
40	PNA 40/62	227	40	45	62	20	58	0.5	24 800	50 900	10 000

1. S: Axial displacement.

2. Limiting speed for oil lubrication. For grease lubrication, 60% of the values given in the table is permissible.