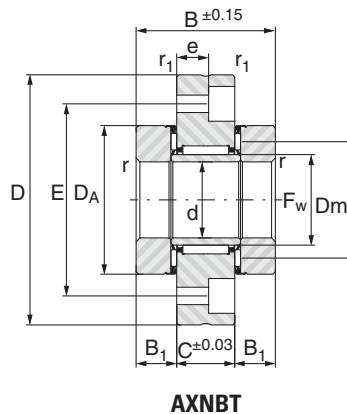
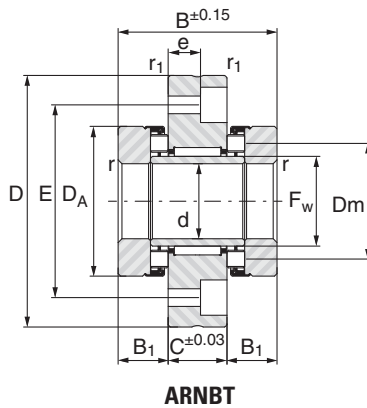


# Precision combined bearings, with adjustable axial preload

AXNBT and ARNBT  
series



Shaft ∅ mm	Designation			d mm	D mm	F <sub>w</sub> mm	D <sub>A</sub> mm	D <sub>m</sub> mm	B mm	C mm	B <sub>1</sub> mm	r min.	r <sub>1</sub> min.	Screw TCEI <sup>4)</sup> class 12,9	Mounting			Torque Nm
	AXNBT	ARNBT series 1	ARNBT series 2												N° viti	E mm	e mm	
15	15 60			15	60	20	35	26.8	40	16	12	0.85	0.85	6x20	6	46	9	10
		15 60		15	60	20	35	26.8	46	16	15	0.85	0.85	6x20	6	46	9	10
20	20 68			20	68	25	42	32.5	40	16	12	0.85	0.85	6x20	8	53	9	10
		20 68		20	68	25	42	32.5	46	16	15	0.85	0.85	6x20	8	53	9	10
			20 80	20	80	30	52	39.9	60	20	20	1.30	0.85	6x25	12	63	13	10
25	25 75			25	75	30	47	37.5	44	20	12	0.85	0.85	6x25	8	58	13	10
		25 75		25	75	30	47	37.5	50	20	15	0.85	0.85	6x25	8	58	13	10
			25 90	25	90	35	62	46.7	60	20	20	1.30	0.85	6x25	12	73	13	10
30	30 80			30	80	35	53	43.1	44	20	12	0.85	0.85	6x25	12	63	13	10
		30 80		30	80	35	53.4	42.8	50	20	15	0.85	0.85	6x25	12	63	13	10
			30 105	30	105	40	68	52.7	66	20	23	1.30	0.85	8x25	12	85	11	24
35	35 90			35	90	40	60	48.9	48	20	14	1.30	0.85	6x25	12	73	13	10
		35 90		35	90	40	60.4	48.8	54	20	17	1.30	0.85	6x25	12	73	13	10
			35 110	35	110	45	73	57.7	66	20	23	1.30	0.85	8x25	12	88	11	24
40	40 100			40	100	45	65	53.9	48	20	14	1.30	0.85	8x25	8	80	11	24
		40 100		40	100	45	65.4	53.8	54	20	17	1.30	0.85	8x25	8	80	11	24
			40 115	40	115	50	78	62.7	75	25	25	1.30	0.85	8x30	12	94	16	24
45	45 105			45	105	50	70	59.5	54	25	14.5	1.30	0.85	8x30	8	85	16	24
		45 105		45	105	50	70.4	58.8	60	25	17.5	1.30	0.85	8x30	8	85	16	24
			45 130	45	130	55	90	70.9	82	25	28.5	1.30	0.85	8x30	12	105	16	24
50	50 115			50	115	55	78	65.5	54	25	14.5	1.30	0.85	8x30	12	94	16	24
		50 115		50	115	55	78.4	65.5	60	25	17.5	1.30	0.85	8x30	12	94	16	24
			50 140	50	140	60	95	75.9	82	25	28.5	1.75	0.85	10x30	12	113	14	48
55			55 145	55	145	65	100	80.9	82	25	28.5	1.75	0.85	10x30	12	118	14	48
60			60 150	60	150	70	105	85.9	82	25	28.5	1.75	0.85	10x30	12	123	14	48
65			65 155	65	155	75	110	90.9	82	25	28.5	1.75	0.85	10x30	12	128	14	48
70			70 160	70	160	80	115	95.9	82	25	28.5	1.75	0.85	10x30	12	133	14	48
75			75 185	75	185	90	135	109.9	100	30	35	1.75	1.30	12x35	12	155	17	80
90			90 210	90	210	110	160	132.9	110	35	37.5	1.75	1.30	12x40	16	180	22	80



Load Ratings kN				Speed rating min-1	Preload <sup>1)</sup> N	Rotation <sup>2)</sup> torque Nmm	Rigidity K <sup>3)</sup> N/μm	Weight kg	Designation
radial		axial							
Dyn. C	Stat. Co	Dyn. C	Stat. Co						
16.2	22.0	12.0	40.0	9 000	735	120	1 250	0.406	AXNBT 15 60
16.2	22.0	20.5	49.0	9 000	1 340	350	780	0.427	ARNBT 15 60
18.9	28.8	13.5	50.0	7 500	820	160	1 480	0.521	AXNBT 20 68
18.9	28.8	23.5	63.0	7 500	1 550	500	950	0.548	ARNBT 20 68
28.0	44.5	48.0	115.0	6 300	3 010	1 200	1 130	1.088	ARNBT 20 80
28.0	44.5	14.8	58.5	6 500	880	200	1 780	0.740	AXNBT 25 75
28.0	44.5	24.8	70.0	6 500	1 620	550	1 090	0.768	ARNBT 25 75
30.5	53.0	66.0	165.0	5 300	4 130	1 900	1 270	1.438	ARNBT 25 90
30.5	53.0	19.0	85.0	5 500	1 130	300	1 880	0.798	AXNBT 30 80
30.5	53.0	32.0	88.0	5 500	2 100	850	1 070	0.833	ARNBT 30 80
32.5	59.0	83.0	210.0	4 800	5 040	2 600	1 450	1.876	ARNBT 30 105
32.5	59.0	20.5	97.0	5 000	1 210	350	2 250	1.079	AXNBT 35 90
32.5	59.0	45.0	124.0	5 000	2 910	1 350	1 300	1.108	ARNBT 35 90
34.5	67.0	86.0	228.0	4 300	5 250	2 900	1 520	2.029	ARNBT 35 110
34.5	67.0	22.0	110.0	4 500	1 300	400	2 630	1.257	AXNBT 40 100
34.5	67.0	47.5	138.0	4 500	3 070	1 550	1 470	1.306	ARNBT 40 100
44.0	95.0	93.0	260.0	4 000	5 740	3 500	1 620	2.657	ARNBT 40 115
44.0	95.0	22.7	119.0	4 000	1 340	450	2 980	1.652	AXNBT 45 105
44.0	95.0	50.0	150.0	4 000	3 230	1 750	1 480	1.684	ARNBT 45 105
44.0	98.0	127.0	345.0	3 600	7 770	5 300	1 930	3.723	ARNBT 45 130
44.0	98.0	28.5	164.0	3 800	1 680	650	3 500	1.932	AXNBT 50 115
44.0	98.0	60.0	197.0	3 800	3 800	2 350	1 950	1.987	ARNBT 50 115
48.0	113.0	131.0	370.0	3 300	8 120	5 900	2 020	4.091	ARNBT 50 140
53.5	119.0	135.0	395.0	3 100	8 400	6 500	2170	4.353	ARNBT 55 145
56.0	128.0	147.0	445.0	2 900	91 00	7 500	2 500	4.581	ARNBT 60 150
64.0	143.0	150.0	470.0	2 800	9 310	8 100	2 550	4.871	ARNBT 65 155
73.0	148.0	155.0	495.0	2 600	9 520	8 800	2 720	5.093	ARNBT 70 160
77.0	165.0	230.0	730.0	2 300	14 140	14 800	3 050	8.915	ARNBT 75 185
118.0	268.0	288.0	990.0	1 900	17 640	22 200	3 700	13.200	ARNBT 90 210

1) 6% of dynamic axial load

2) with axial load equal to preload

3) rigidity of a single thrust bearing with load equal to preload

4) hexagon socket shallow head cap screw DIN 91

