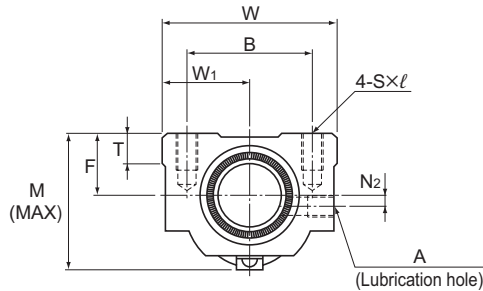


BNT (Rolled Ball Screw) No Preload

DN value	50,000
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Model No.	Screw shaft outer diameter d	Lead Ph	Ball center-to-center diameter dp	Thread minor diameter dc	No. of loaded circuits Rows X turns	Basic load rating			Rigidity		
						Ca kN	C _{0a} kN	K N/μm	Width W	Center height F	Overall length L ₁
BNT 1404-3.6	14	4	14.4	11.5	1×3.65	5.5	11.5	150	34	13	35
BNT 1405-2.6	14	5	14.5	11.2	1×2.65	5	11.4	110	34	13	35
BNT 1605-2.6	16	5	16.75	13.5	1×2.65	5.4	13.3	130	42	16	36
BNT 1808-3.6	18	8	19.3	14.4	1×3.65	13.1	31	210	48	17	56
BNT 2005-2.6	20	5	20.5	17.2	1×2.65	6	16.5	150	48	17	35
BNT 2010-2.6	20	10	21.25	16.4	1×2.65	10.6	25.1	160	48	18	58
BNT 2505-2.6	25	5	25.5	22.2	1×2.65	6.7	20.8	180	60	20	35
BNT 2510-5.3	25	10	26.8	20.2	2×2.65	31.2	83.7	400	60	23	94
BNT 2806-2.6	28	6	28.5	25.2	1×2.65	7	23.4	200	60	22	42
BNT 2806-5.3	28	6	28.5	25.2	2×2.65	12.8	46.8	390	60	22	67
BNT 3210-2.6	32	10	33.75	27.2	1×2.65	19.8	53.8	250	70	26	64
BNT 3210-5.3	32	10	33.75	27.2	2×2.65	36	107.5	490	70	26	94
BNT 3610-2.6	36	10	37	30.5	1×2.65	20.8	59.3	270	86	29	64
BNT 3610-5.3	36	10	37	30.5	2×2.65	37.8	118.7	530	86	29	96
BNT 4512-5.3	45	12	46.5	39.2	2×2.65	49.5	169	650	100	36	115

Model number coding

BNT2010-2.6 ZZ +1000L C7 T H1K

Model No.

Contamination protection accessory symbol¹

Overall screw shaft length (in mm)

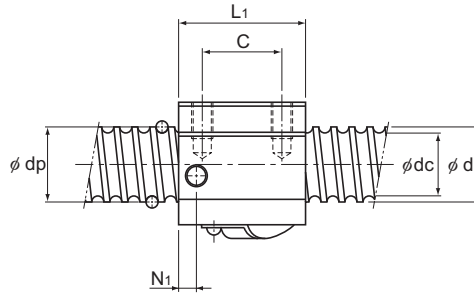
Accuracy symbol²

Symbol for rolled shaft

Recommended shaft ends shape code

¹ See **A15-356**. ² See **A15-12**.

Transport Ball Screw



Unit: mm

Nut dimensions										Axial clearance	Screw shaft inertial moment/ mm	Nut mass	Shaft mass	Permissible rotational speed			
Mounting hole			W_1	T	M	N_1	N_2	A	kg·m ² /mm						kg	kg/m	min ⁻¹
B	C	$S \times \ell$															
26	22	M4×7	17	6	30	6	2	M6	0.1	2.96×10^{-8}	0.15	1	3,470				
26	22	M4×7	17	6	31	6	2	M6	0.1	2.96×10^{-8}	0.15	0.99	3,440				
32	22	M5×8	21	21.5	32.5	6	2	M6	0.1	5.05×10^{-8}	0.3	1.34	2,980				
35	35	M6×10	24	10	44	8	3	M6	0.1	8.09×10^{-8}	0.47	1.71	2,590				
35	22	M6×10	24	9	39	5	3	M6	0.1	1.23×10^{-7}	0.28	2.15	2,430				
35	35	M6×10	24	9	46	10	2	M6	0.1	1.23×10^{-7}	0.5	2.16	2,350				
40	22	M8×12	30	9.5	45	7	5	M6	0.1	3.01×10^{-7}	0.41	3.45	1,960				
40	60	M8×12	30	10	55	10	—	M6	0.1	3.01×10^{-7}	1.18	3.26	1,860				
40	18	M8×12	30	10	50	8	—	M6	0.1	4.74×10^{-7}	0.81	4.44	1,750				
40	40	M8×12	30	10	50	8	—	M6	0.1	4.74×10^{-7}	0.78	4.44	1,750				
50	45	M8×12	35	12	62	10	—	M6	0.14	8.08×10^{-7}	1.3	5.49	1,480				
50	60	M8×12	35	12	62	10	—	M6	0.14	8.08×10^{-7}	2	5.49	1,480				
60	45	M10×16	43	17	67	11	—	M6	0.17	1.29×10^{-6}	1.8	6.91	1,350				
60	60	M10×16	43	17	67	11	—	M6	0.17	1.29×10^{-6}	2.4	6.91	1,350				
75	75	M12×20	50	20.5	80	13	—	M6	0.2	3.16×10^{-6}	4.1	11.08	1,070				

Note: The overall length of the nut will increase when equipping the QZ Lubricator. See **A15-366** for further details.