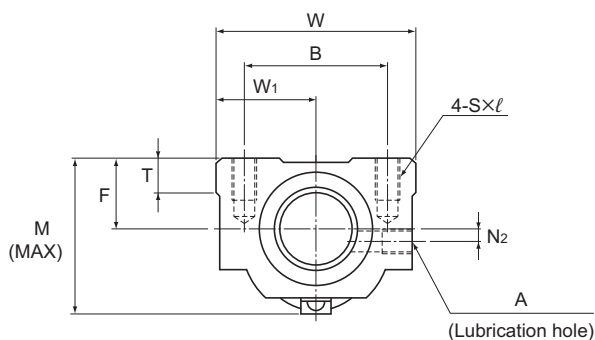


BNT No Preload

DN value	70000
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Model No.	Screw shaft outer diameter	Lead	Ball center- to-center diameter	Thread minor diameter	No. of loaded circuits	Basic load rating		Rigidity K N/μm
						Ca	C _{0a}	
	d	Ph	dp	dc	Rows × turns	kN	kN	
BNT 1404-3.6	14	4	14.4	11.5	1×3.65	6.8	12.6	190
BNT 1405-2.6	14	5	14.5	11.2	1×2.65	7.2	12.6	150
BNT 1605-2.6	16	5	16.75	13.5	1×2.65	7.8	14.7	170
BNT 1808-3.6	18	8	19.3	14.4	1×3.65	18.2	34.4	270
BNT 2005-2.6	20	5	20.5	17.2	1×2.65	8.7	18.3	200
BNT 2010-2.6	20	10	21.25	16.4	1×2.65	14.7	27.8	220
BNT 2505-2.6	25	5	25.5	22.2	1×2.65	9.6	23	240
BNT 2510-5.3	25	10	26.8	20.2	2×2.65	43.4	92.8	520
BNT 2806-2.6	28	6	28.5	25.2	1×2.65	10.1	25.8	270
BNT 2806-5.3	28	6	28.5	25.2	2×2.65	18.3	51.6	510
BNT 3210-2.6	32	10	33.75	27.2	1×2.65	27.3	59.5	330
BNT 3210-5.3	32	10	33.75	27.2	2×2.65	49.6	118.9	640
BNT 3610-2.6	36	10	37	30.5	1×2.65	28.7	65.6	360
BNT 3610-5.3	36	10	37	30.5	2×2.65	52.1	131.2	700
BNT 4512-5.3	45	12	46.5	39.2	2×2.65	68.1	186.7	860

A15-212 THK

Download data by searching for the corresponding
model number on the Technical Support site.

<https://tech.thk.com>



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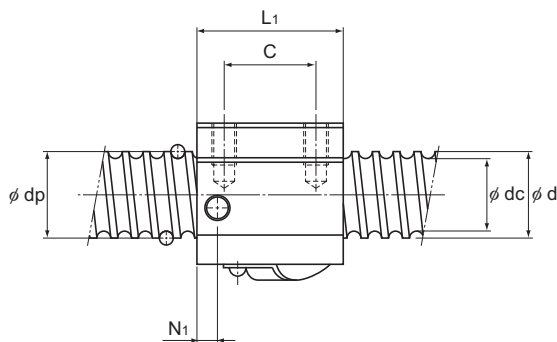
Košťany nad Turcom 543, 038 41 Košťany nad Turcom

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Positioning Ball Screw



Unit: mm

	Nut dimensions												Screw shaft inertial moment/mm	Nut mass	Shaft mass
	Width	Center height	Overall length	Mounting hole			W ₁	T	M	N ₁	N ₂	Lubrication hole			
	W	F	L ₁	B	C	S×ℓ							kg·m ² /mm	kg	kg/m
	34	13	35	26	22	M4×7	17	6	30	6	2	M6	2.96×10 ⁻⁸	0.15	0.93
	34	13	35	26	22	M4×7	17	6	31	6	2	M6	2.96×10 ⁻⁸	0.15	0.92
	42	16	36	32	22	M5×8	21	21.5	32.5	6	2	M6	5.05×10 ⁻⁸	0.3	1.24
	48	17	56	35	35	M6×10	24	10	44	8	3	M6	8.09×10 ⁻⁸	0.47	1.46
	48	17	35	35	22	M6×10	24	9	39	5	3	M6	1.23×10 ⁻⁷	0.28	2.06
	48	18	58	35	35	M6×10	24	9	46	10	2	M6	1.23×10 ⁻⁷	0.5	1.99
	60	20	35	40	22	M8×12	30	9.5	45	7	5	M6	3.01×10 ⁻⁷	0.41	3.35
	60	23	94	40	60	M8×12	30	10	55	10	—	M6	3.01×10 ⁻⁷	1.18	2.79
	60	22	42	40	18	M8×12	30	10	50	8	—	M6	4.74×10 ⁻⁷	0.81	4.42
	60	22	67	40	40	M8×12	30	10	50	8	—	M6	4.74×10 ⁻⁷	0.78	4.42
	70	26	64	50	45	M8×12	35	12	62	10	—	M6	8.08×10 ⁻⁷	1.3	4.98
	70	26	94	50	60	M8×12	35	12	62	10	—	M6	8.08×10 ⁻⁷	2	4.98
	86	29	64	60	45	M10×16	43	17	67	11	—	M6	1.29×10 ⁻⁶	1.8	6.54
	86	29	96	60	60	M10×16	43	17	67	11	—	M6	1.29×10 ⁻⁶	2.4	6.54
	100	36	115	75	75	M12×20	50	20.5	80	13	—	M6	3.16×10 ⁻⁶	4.1	10.56

Note) The Model BNT can be equipped with a brush seal depending on the model number. Contact THK if you would like to use one.

The overall length of the nut will increase when equipping the QZ lubricating device. See **A15-336** for further details.

Ball Screw

Options⇒ **A15-325****THK A15-213****HENNlich s.r.o.**

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