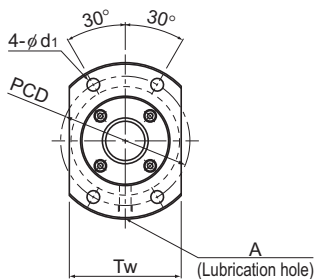


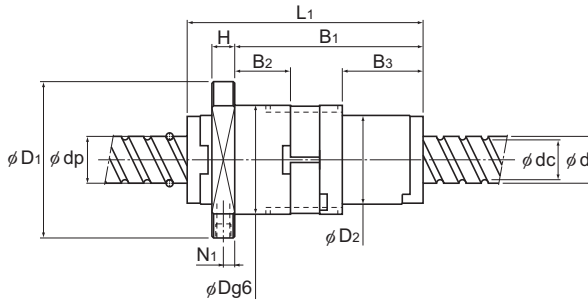
# BLW With Preload

DN value	70,000
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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					
	d					Ph	dp		dc	Rows × turns	Ca	C <sub>0a</sub>	K
	d	Ph	dp	dc	Rows × turns	kN	kN	N/μm	D	D <sub>1</sub>	D <sub>2</sub>	L <sub>1</sub>	H
BLW 1510-5.6	15	10	15.75	12.5	2×2.8	14.3	27.8	680	43	64	34	89	10
BLW 1616-3.6	16	16	16.65	13.7	2×1.8	7.1	14.3	440	41	60	32	84.5	10
BLW 2020-3.6	20	20	20.75	17.5	2×1.8	11.1	24.7	570	48	69	39	105	10
BLW 2525-3.6	25	25	26	21.9	2×1.8	16.6	38.7	700	57	82	47	124.5	12
BLW 3232-3.6	32	32	33.25	28.3	2×1.8	23.7	59.5	880	68	99	58	155	15
BLW 3636-3.6	36	36	37.4	31.7	2×1.8	30.8	78	980	79	116	66	181	17
BLW 4040-3.6	40	40	41.75	35.2	2×1.8	38.7	99.2	1,090	84	121	73	191	17
BLW 5050-3.6	50	50	52.2	44.1	2×1.8	57.8	155	1,340	106	149	90	245	20

## Positioning Ball Screw



Unit: mm

Nut dimensions									Screw shaft inertial moment/mm kg·m <sup>2</sup> /mm	Nut mass kg	Shaft mass kg/m	Permissible rotational speed min <sup>-1</sup>
B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	PCD	d <sub>1</sub>	Tw	N <sub>1</sub>	Lubrication hole A					
69	18.7	28.6	52	5.5	46	5	M6	$3.90 \times 10^{-8}$	0.81	1.07	4,440	
65.5	18.1	27.1	49	4.5	44	6	M6	$5.05 \times 10^{-8}$	0.67	1.42	4,200	
84	25	36	57	5.5	50	5	M6	$1.23 \times 10^{-7}$	0.54	2.25	3,370	
101.5	33	44	68	6.6	60	5	M6	$3.01 \times 10^{-7}$	0.94	3.52	2,690	
127	42.4	55.4	81	9	70	6	M6	$8.08 \times 10^{-7}$	3.19	5.83	2,100	
147.9	49.4	65.4	95	11	82	7	M6	$1.29 \times 10^{-6}$	5.99	7.34	1,870	
158	54.5	70.5	100	11	87	7	M6	$1.97 \times 10^{-6}$	6.16	9.01	1,670	
203.8	70.7	91.7	126	14	108	8	M6	$4.82 \times 10^{-6}$	9.06	14.08	1,340	

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

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