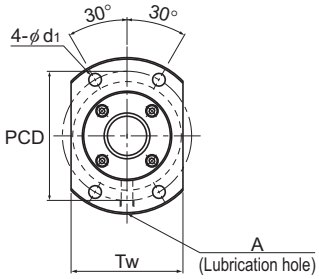
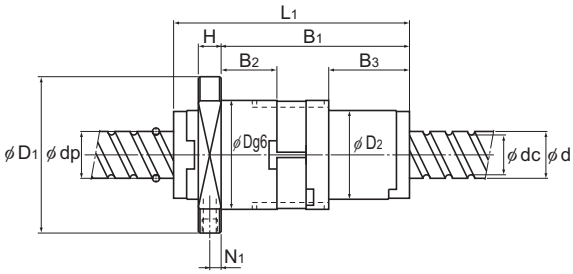
BLW
With Preload

DN value	70000



Model No.	Screw shaft outer diameter	Lead	Ball center-to-center diameter	Thread minor diameter	No. of loaded circuits	Basic load rating		Rigidity					
						Ca	C0a	K	Outer diameter	Flange diameter		Overall length	
	d	Ph	dp	dc	Rows × turns	kN	kN	N/μm	D	D1	D2	L1	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	1090	84	121	73	191	17
BLW 5050-3.6	50	50	52.2	44.1	2×1.8	57.8	155	1340	106	149	90	245	20



Unit: mm

Nut dimensions								Screw shaft inertial moment/mm	Nut mass	Shaft mass	Permissible rotational speed
B_1	B_2	B_3	PCD	d_1	Tw	N_1	Lubrication hole A	$kg \cdot m^2/mm$	kg	kg/m	min^{-1}
69	18.7	28.6	52	5.5	46	5	M6	3.90×10^{-8}	0.81	1.07	4440
65.5	18.1	27.1	49	4.5	44	6	M6	5.05×10^{-8}	0.67	1.42	4200
84	25	36	57	5.5	50	5	M6	1.23×10^{-7}	0.54	2.25	3370
101.5	33	44	68	6.6	60	5	M6	3.01×10^{-7}	0.94	3.52	2690
127	42.4	55.4	81	9	70	6	M6	8.08×10^{-7}	3.19	5.83	2100
147.9	49.4	65.4	95	11	82	7	M6	1.29×10^{-6}	5.99	7.34	1870
158	54.5	70.5	100	11	87	7	M6	1.97×10^{-6}	6.16	9.01	1670
203.8	70.7	91.7	126	14	108	8	M6	4.82×10^{-6}	9.06	14.08	1340

Note) The overall length of the nut will increase when equipping the QZ lubricating device. See A15-344 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.

Options⇒A15-333