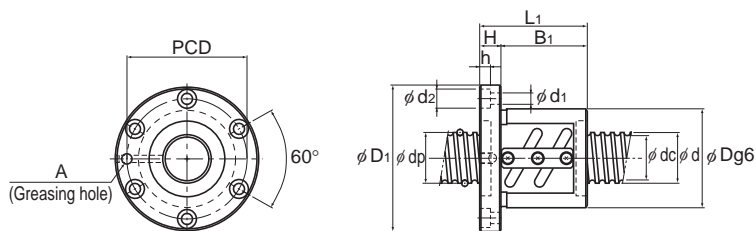


No Preload Type of Precision Ball Screw

Screw shaft outer diameter	32 to 36
Lead	6 to 36



BNF

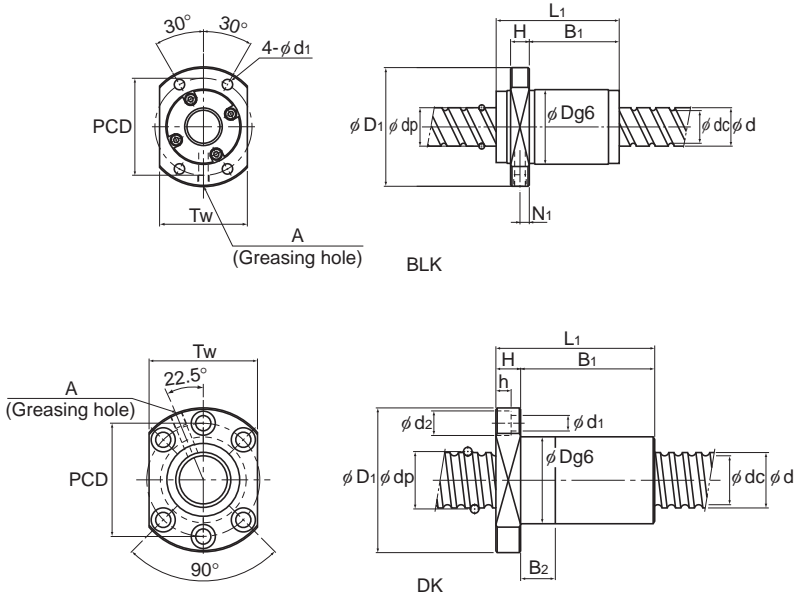
Screw shaft outer diameter d	Lead Ph	Model No.	Ball center-to-center diameter dp	Thread minor diameter dc	No. of loaded circuits Rows X turns	Basic load rating		Rigidity K N/ μ m	Flange diameter	
						Ca kN	C _{0a} kN		Outer diameter D	Flange diameter D ₁
32	32	BLK 3232-2.8	33.25	28.3	1×2.8	17.3	41.4	340	58	92
		BLK 3232-3.6	33.25	28.3	2×1.8	23.7	59.5	440	58	92
36	6	○BNF 3606-2.5	36.75	33.2	1×2.5	10.7	31.8	310	65	100
		○BNF 3606-3	36.75	33.2	2×1.5	12.5	38	370	65	100
		○BNF 3606-5	36.75	33.2	2×2.5	19.4	63.4	610	65	100
		○BNF 3606-7.5	36.75	33.2	3×2.5	27.5	95.2	890	65	100
		○BNF 3608-2.5	37.25	31.6	1×2.5	18.8	47.5	330	70	114
	8	○BNF 3608-5	37.25	31.6	2×2.5	34.1	95.1	650	70	114
		○BNF 3608-7.5	37.25	31.6	3×2.5	48.3	142.1	950	70	114
		○BNF 3610-2.5	37.75	30.5	1×2.5	27.6	63.3	350	75	120
	10	○BNF 3610-5	37.75	30.5	2×2.5	50.1	126.4	680	75	120
		○BNF 3610-7.5	37.75	30.5	3×2.5	71.1	190.1	990	75	120
		DK 3610-3	37.75	30.5	3×1	28.8	63.8	350	58	98
		DK 3610-4	37.75	30.5	4×1	36.8	85	470	58	98
	12	○BNF 3612-2.5	38	30.1	1×2.5	32.1	71.4	350	78	123
		○BNF 3612-5	38	30.1	2×2.5	58.4	142.1	690	78	123
	16	○BNF 3616-2.5	38	30.1	1×2.5	32.1	71.4	350	78	123
	20	○BNF 3620-1.5	37.75	30.5	1×1.5	17.6	38.3	220	70	103
		BLK 3620-5.6	37.75	31.2	2×2.8	54.9	134.3	760	70	110
	24	BLK 3624-5.6	38	30.7	2×2.8	63.8	151.9	770	75	115
BLK 3636-2.8		37.4	31.7	1×2.8	22.4	54.1	390	66	106	
36	BLK 3636-3.6	37.4	31.7	2×1.8	30.8	78	490	66	106	

Note) The model numbers in dimmed type indicate semi-standard types. If desiring them, contact THK.

Those models marked with ○ can be attached with QZ Lubricator or the wiper ring.

For dimensions of the ball screw nut with either accessory being attached, see **A15-356**.

Large Lead Precision Ball Screw model BLK cannot be attached with seal.



Unit: mm

	Nut dimensions											Screw shaft inertial moment/mm ³	Nut mass kg	Shaft mass kg/m
	Overall length	H	B ₁	B ₂	PCD	d ₁	d ₂	h	Tw	N ₁	Greasing hole			
102	15	77	—	74	9	—	—	68	7.5	M6	8.08 × 10 ⁻³	1.78	5.83	
70	15	45	—	74	9	—	—	68	7.5	M6	8.08 × 10 ⁻³	1.32	5.83	
53	15	38	—	82	9	14	8.5	—	—	M6	1.29 × 10 ⁻²	1.29	7.39	
62	15	47	—	82	9	14	8.5	—	—	M6	1.29 × 10 ⁻²	1.43	7.39	
71	15	56	—	82	9	14	8.5	—	—	M6	1.29 × 10 ⁻²	1.57	7.39	
89	15	74	—	82	9	14	8.5	—	—	M6	1.29 × 10 ⁻²	1.85	7.39	
68	18	50	—	92	11	17.5	11	—	—	M6	1.29 × 10 ⁻²	2.11	6.96	
92	18	74	—	92	11	17.5	11	—	—	M6	1.29 × 10 ⁻²	2.57	6.96	
116	18	98	—	92	11	17.5	11	—	—	M6	1.29 × 10 ⁻²	3.03	6.96	
81	18	63	—	98	11	17.5	11	—	—	M6	1.29 × 10 ⁻²	2.75	6.51	
111	18	93	—	98	11	17.5	11	—	—	M6	1.29 × 10 ⁻²	3.45	6.51	
141	18	123	—	98	11	17.5	11	—	—	M6	1.29 × 10 ⁻²	4.15	6.51	
82	18	64	15	77	11	17.5	11	75	—	M6	1.29 × 10 ⁻²	1.52	6.51	
93	18	75	20	77	11	17.5	11	75	—	M6	1.29 × 10 ⁻²	1.66	6.51	
87	18	69	—	100	11	17.5	11	—	—	M6	1.29 × 10 ⁻²	3.14	6.41	
123	18	105	—	100	11	17.5	11	—	—	M6	1.29 × 10 ⁻²	4.07	6.41	
92	18	74	—	100	11	17.5	11	—	—	M6	1.29 × 10 ⁻²	3.27	6.8	
75	15	60	—	85	9	14	8.5	—	—	M6	1.29 × 10 ⁻²	1.91	7.24	
78	17	45	—	90	11	—	—	80	8.5	M6	1.29 × 10 ⁻²	2.23	6.49	
94	18	59	—	94	11	—	—	86	9	M6	1.29 × 10 ⁻²	3.05	6.39	
113	17	86	—	85	11	—	—	76	8.5	M6	1.29 × 10 ⁻²	2.61	7.34	
77	17	50	—	85	11	—	—	76	8.5	M6	1.29 × 10 ⁻²	1.93	7.34	

For model number coding, see **■15-248**.