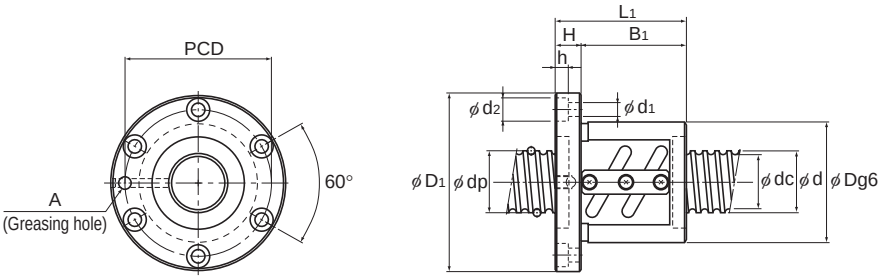
No Preload Type of Precision Ball Screw

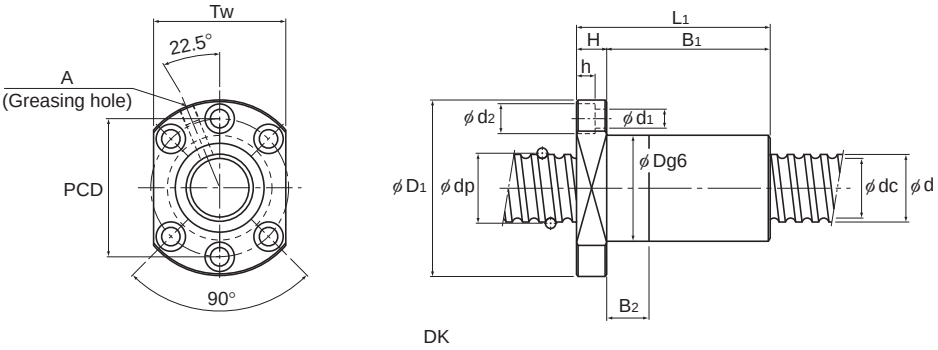
Screw shaft outer diameter	63
Lead	10 to 20



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 × turns	Basic load rating Ca kN	Basic load rating C_0a kN	Rigidity K N/μm	Outer diameter D	Flange diameter D_1
63	10	BNF 6310-2.5	64.75	57.7	1×2.5	35.4	111.7	550	108	154
		BNF 6310-5	64.75	57.7	2×2.5	64.2	222.5	1050	108	154
		BNF 6310-7.5	64.75	57.7	3×2.5	90.9	334.2	1550	108	154
		DK 6310-4	64.75	57.7	4×1	49.5	160.7	780	85	146
		DK 6310-6	64.75	57.7	6×1	70.3	242.1	1140	85	146
	12	BNF 6312A-2.5	65.25	56.3	1×2.5	48.1	139.2	560	115	161
		BNF 6312A-5	65.25	56.3	2×2.5	87.4	278.3	1090	115	161
		DK 6312-3	65.25	56.3	3×1	51.9	147.4	600	90	146
		DK 6312-4	65.25	56.3	4×1	66.4	196.6	785	90	146
	16	BNF 6316-5	65.7	55.9	2×2.5	147	462.6	1420	122	184
	20	BNF 6320-2.5	65.7	55.9	1×2.5	81	231.3	740	122	180
		BNF 6320-5	65.7	55.9	2×2.5	147	463.5	1420	122	180
		DK 6320-3	65.7	55.9	3×1	83.5	229.3	1470	95	159

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



Unit: mm

Nut dimensions											Screw shaft inertial momeant/mm	Nut mass	Shaft mass
	Overall length									Greasing hole			
	L_1	H	B_1	B_2	PCD	d_1	d_2	h	Tw	A	kg•cm²/mm	kg	kg/m
	77	22	55	—	130	14	20	13	—	PT 1/8	1.21×10^{-1}	4.57	21.93
	107	22	85	—	130	14	20	13	—	PT 1/8	1.21×10^{-1}	5.77	21.93
	137	22	115	—	130	14	20	13	—	PT 1/8	1.21×10^{-1}	6.98	21.93
	97	22	75	20	122	14	20	13	110	PT 1/8	1.21×10^{-1}	3.28	21.93
	118	22	96	30	122	14	20	13	110	PT 1/8	1.21×10^{-1}	3.7	21.93
	87	22	65	—	137	14	20	13	—	PT 1/8	1.21×10^{-1}	5.8	21.14
	123	22	101	—	137	14	20	13	—	PT 1/8	1.21×10^{-1}	7.56	21.14
	98	22	76	20	122	14	20	13	110	PT 1/8	1.21×10^{-1}	3.71	21.14
	111	22	89	25	122	14	20	13	110	PT 1/8	1.21×10^{-1}	4.04	21.14
	160	24	136	—	152	18	26	17.5	—	PT 1/8	1.21×10^{-1}	11.82	20.85
	127	28	99	—	150	18	26	17.5	—	PT 1/8	1.21×10^{-1}	10.1	21.57
	187	28	159	—	150	18	26	17.5	—	PT 1/8	1.21×10^{-1}	13.58	21.57
	136	28	108	30	129	18	26	17.5	121	PT 1/8	1.21×10^{-1}	6.17	21.57

For model number coding, see A15-248.