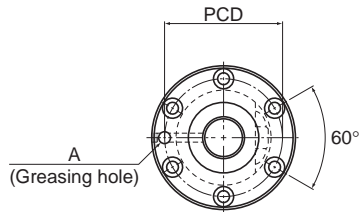


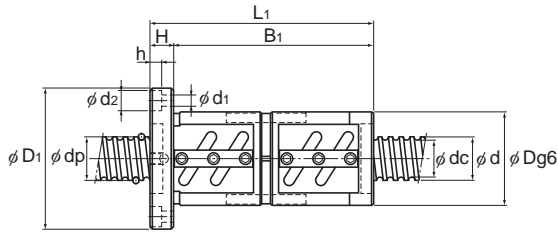
BNFN With Preload

DN value	70000
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Model No.	Screw shaft outer diameter d	Lead Ph	Ball center-to-center diameter dp	Thread minor diameter dc	No. of loaded circuits Rows X turns	Basic load rating		Rigidity K N/μm
						Ca kN	C _{0a} kN	
BNFN 7010-2.5	70	10	71.75	64.5	1×2.5	36.8	123.5	1180
BNFN 7010-5	70	10	71.75	64.5	2×2.5	66.9	247	2280
BNFN 7010-7.5	70	10	71.75	64.5	3×2.5	94.9	371.4	3350
BNFN 7012-2.5	70	12	72	64.2	1×2.5	43.5	139.2	1200
BNFN 7012-5	70	12	72	64.2	2×2.5	78.9	278.3	2320
BNFN 7012-7.5	70	12	72	64.2	3×2.5	111.7	417.5	3420
BNFN 7020-5	70	20	72.7	62.9	2×2.5	153.9	514.5	3090
BNFN 8010-2.5	80	10	81.75	75.2	1×2.5	38.9	141.1	1300
BNFN 8010-5	80	10	81.75	75.2	2×2.5	70.6	283.2	2530
BNFN 8010-7.5	80	10	81.75	75.2	3×2.5	100	424.3	3720
BNFN 8012-5	80	12	82.3	74.1	2×2.5	96.5	353.8	2620
BNFN 8020A-2.5	80	20	82.7	72.9	1×2.5	90.1	294	1770
BNFN 8020A-5	80	20	82.7	72.9	2×2.5	163.7	589	3430
BNFN 10020A-2.5	100	20	102.7	92.9	1×2.5	99	368.5	2110
BNFN 10020A-5	100	20	102.7	92.9	2×2.5	179.3	737	4080
BNFN 10020A-7.5	100	20	102.7	92.9	3×2.5	253.8	1105.4	6010

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



Unit: mm

	Nut dimensions							Greasing hole A	Screw shaft inertial moment/mm kg·m ² /mm	Nut mass kg	Shaft mass kg/m
	Outer diameter D	Flange diameter D ₁	Overall length L ₁	H	B ₁	PCD	d ₁ ×d ₂ ×h				
	125	167	141	18	123	145	11×17.5×11	Rc1/8 (PT1/8)	1.85×10 ⁻⁵	9.19	27.4
	125	167	201	18	183	145	11×17.5×11		1.85×10 ⁻⁵	12.57	27.4
	125	167	261	18	243	145	11×17.5×11		1.85×10 ⁻⁵	15.96	27.4
	128	170	165	18	147	148	11×17.5×11		1.85×10 ⁻⁵	11.26	27.24
	128	170	237	18	219	148	11×17.5×11		1.85×10 ⁻⁵	15.63	27.24
	128	170	309	18	291	148	11×17.5×11		1.85×10 ⁻⁵	20	27.24
	130	186	325	28	297	158	18×26×17.5		1.85×10 ⁻⁵	23.4	27
	130	176	137	22	115	152	14×20×13		3.16×10 ⁻⁵	9.15	36.26
	130	176	197	22	175	152	14×20×13		3.16×10 ⁻⁵	12.41	36.26
	130	176	257	22	235	152	14×20×13		3.16×10 ⁻⁵	15.67	36.26
	135	181	231	22	209	157	14×20×13		3.16×10 ⁻⁵	16.02	35.26
	143	204	227	28	199	172	18×26×17.5		3.16×10 ⁻⁵	20.08	35.81
	143	204	347	28	319	172	18×26×17.5		3.16×10 ⁻⁵	28.97	35.81
	170	243	231	32	199	205	22×32×21.5		7.71×10 ⁻⁵	28.15	57.13
	170	243	351	32	319	205	22×32×21.5		7.71×10 ⁻⁵	39.99	57.13
	170	243	471	32	439	205	22×32×21.5		7.71×10 ⁻⁵	51.84	57.13

Note) The overall length of the nut will increase when equipping the QZ lubricating device. See **A15-318** for further details.