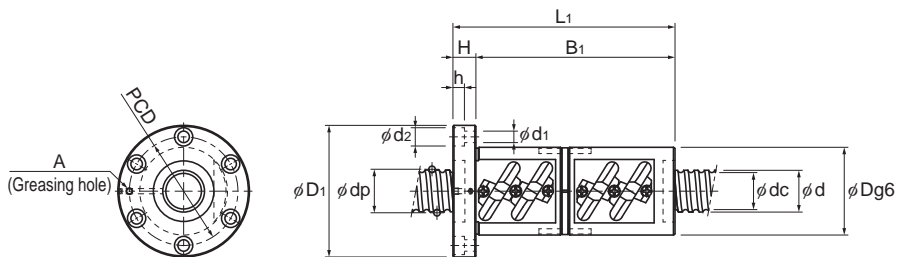


BNFN-V Small/Medium With Preload

DN value	Small	100000
	Medium	130000

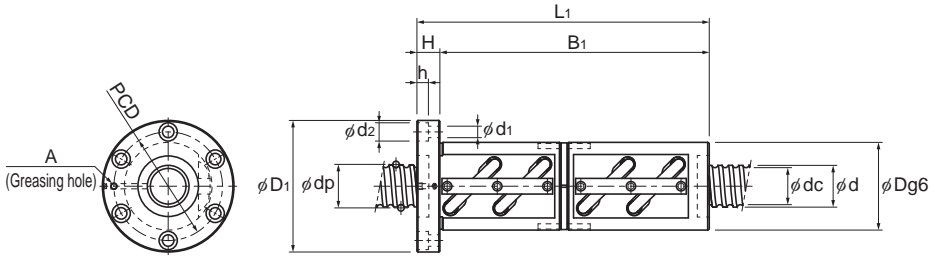


<Small> BNFN1605V/2805V/2806V/3205V

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 1605V-5	16	5	16.75	13.2	2 × 2.5	13.5	27.9	640
BNFN 2805V-7.5	28	5	28.75	25.2	3 × 2.5	24.8	73.8	1470
BNFN 2806V-7.5	28	6	28.75	25.2	3 × 2.5	24.8	73.8	1470
BNFN 3205V-7.5	32	5	32.75	29.2	3 × 2.5	26.2	84.4	1640

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 2810V-2.5	28	10	29.75	22.4	1 × 2.5	24.3	49	560
BNFN 3610V-7.5	36	10	37.75	30.5	3 × 2.5	71	189.8	1990
BNFN 3616V-5	36	16	38	30.1	2 × 2.5	58.3	142.9	1380
BNFN 4016V-5	40	16	42	34.1	2 × 2.5	61.5	158.8	1500
BNFN 4510V-7.5	45	10	46.75	39.5	3 × 2.5	78.8	237.8	2370
BNFN 5010V-7.5	50	10	51.75	44.4	3 × 2.5	82.5	264.4	2580

Positioning Ball Screw



<Medium> BNFN2810V/3610V/3616V/4016V/4510V/5010V

Unit: mm

	Nut dimensions								Screw shaft inertial moment/mm	Nut mass	Shaft mass	Maximum permissible rotation speed
	Outer diameter	Flange diameter	Overall length	H	B ₁	PCD	d ₁ × d ₂ × h	Greasing hole				
	D	D ₁	L ₁					A				
	40	60	106	10	96	50	4.5 × 8 × 4.5	M6	5.05 × 10 ⁻⁸	0.88	1.37	5000
	55	85	134	12	122	69	6.6 × 11 × 6.5		4.74 × 10 ⁻⁷	1.88	4.45	3470
	55	85	158	12	149	69	6.6 × 11 × 6.5		4.74 × 10 ⁻⁷	2.16	4.52	3470
	58	85	136	12	124	71	6.6 × 11 × 6.5		8.08 × 10 ⁻⁷	1.93	5.89	3050
	Nut dimensions								Screw shaft inertial moment/mm	Nut mass	Shaft mass	Maximum permissible rotation speed
	Outer diameter	Flange diameter	Overall length	H	B ₁	PCD	d ₁ × d ₂ × h	Greasing hole				
	D	D ₁	L ₁					A				
	65	106	146	18	128	85	11 × 17.5 × 11	M6	4.74 × 10 ⁻⁷	3.41	4.15	4360
	75	120	261	18	243	98	11 × 17.5 × 11		1.29 × 10 ⁻⁷	6.93	7.1	3440
	78	123	268	18	250	100	11 × 17.5 × 11		1.29 × 10 ⁻⁷	7.8	7.99	3420
	84	126	280	22	258	104	11 × 17.5 × 11		1.97 × 10 ⁻⁶	9.27	9.09	3090
	88	132	261	18	243	110	11 × 17.5 × 11	Rc1/8 (PT1/8)	3.16 × 10 ⁻⁶	8.92	11.36	2780
	93	135	253	18	235	113	11 × 17.5 × 11		4.82 × 10 ⁻⁶	9.19	14.16	2510

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