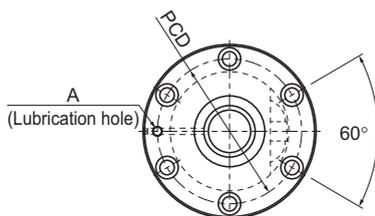


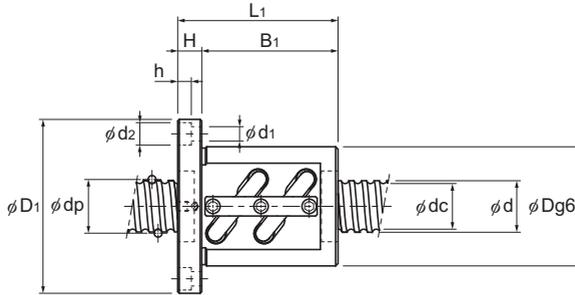
# BNF-V Medium No Preload

DN value	130000
----------	--------



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 <sub>a</sub> kN	
BNF 2508V-2.5	25	8	26.25	20.5	1×2.5	15.8	32.9	250
BNF 2508V-3.5	25	8	26.25	20.5	1×3.5	21.1	46	340
BNF 2508V-5	25	8	26.25	20.5	2×2.5	28.7	65.7	480
BNF 2510V-2.5	25	10	26.25	21.5	1×2.5	15.8	32.9	250
BNF 2810V-2.5	28	10	29.75	22.4	1×2.5	24.3	49	280
BNF 3210V-2.5	32	10	33.75	26.4	1×2.5	26	56.2	310
BNF 3210V-3.5	32	10	33.75	26.4	1×3.5	34.8	78.6	440
BNF 3210V-5	32	10	33.75	26.4	2×2.5	47.3	112.3	620
BNF 3212V-3.5	32	12	34	26.1	1×3.5	40.4	88.5	440
BNF 3216V-5	32	16	33.75	26.4	2×2.5	47.1	113.1	616
BNF 3610V-2.5	36	10	37.75	30.5	1×2.5	27.6	63.3	350
BNF 3610V-5	36	10	37.75	30.5	2×2.5	50.1	126.5	680
BNF 3610V-7.5	36	10	37.75	30.5	3×2.5	71	189.8	990
BNF 3612V-2.5	36	12	38	30.1	1×2.5	32.2	71.2	350
BNF 3612V-5	36	12	38	30.1	2×2.5	58.4	142.3	690
BNF 3616V-2.5	36	16	38	30.1	1×2.5	32.1	71.5	350
BNF 3620V-1.5	36	20	37.75	30.5	1×1.5	17.7	38.4	215
BNF 4010V-2.5	40	10	41.75	34.4	1×2.5	29	70.4	380
BNF 4010V-3.5	40	10	41.75	34.4	1×3.5	38.8	98.5	520
BNF 4010V-5	40	10	41.75	34.4	2×2.5	52.7	140.7	740
BNF 4012V-2.5	40	12	42	34.1	1×2.5	33.9	79.2	390
BNF 4012V-3.5	40	12	42	34.1	1×3.5	45.3	110.8	530
BNF 4012V-5	40	12	42	34.1	2×2.5	61.6	158.3	750
BNF 4016V-5	40	16	42	34.1	2×2.5	61.5	158.8	740
BNF 4020V-5	40	20	41.75	34.4	2×2.5	52.4	142	736

## Positioning Ball Screw



Unit: mm

	Nut dimensions								Screw shaft inertial moment/mm	Nut mass	Shaft mass	Permissible rotational speed
	Outer diameter	Flange diameter	Overall length	H	B <sub>1</sub>	PCD	d <sub>1</sub> × d <sub>2</sub> × h	Lubrication hole				
	D	D <sub>1</sub>	L <sub>1</sub>	H	B <sub>1</sub>	PCD	d <sub>1</sub> × d <sub>2</sub> × h	A				
	58	85	58	15	43	71	6.6 × 11 × 6.5	M6	3.01 × 10 <sup>-7</sup>	1.07	3.51	4950
	58	85	66	15	51	71	6.6 × 11 × 6.5	M6	3.01 × 10 <sup>-7</sup>	1.29	3.51	4950
	58	85	82	15	67	71	6.6 × 11 × 6.5	M6	3.01 × 10 <sup>-7</sup>	1.44	3.51	4950
	58	85	70	18	52	71	6.6 × 11 × 6.5	M6	3.01 × 10 <sup>-7</sup>	1.43	3.5	4950
	65	106	86	18	68	85	11 × 17.5 × 11	M6	4.74 × 10 <sup>-8</sup>	2.3	4.15	4360
	74	108	70	15	55	90	9 × 14 × 8.5	M6	8.08 × 10 <sup>-7</sup>	2.2	5.53	3850
	74	108	80	15	65	90	9 × 14 × 8.5	M6	8.08 × 10 <sup>-7</sup>	2.44	5.53	3850
	74	108	100	15	85	90	9 × 14 × 8.5	M6	8.08 × 10 <sup>-7</sup>	2.92	5.53	3850
	76	121	98	18	80	98	11 × 17.5 × 11	M6	8.08 × 10 <sup>-7</sup>	3.4	5.7	3820
	74	108	139	18	121	90	9 × 14 × 8.5	M6	8.08 × 10 <sup>-7</sup>	3.81	5.82	3850
	75	120	81	18	63	98	11 × 17.5 × 11	M6	1.29 × 10 <sup>-6</sup>	2.75	7.1	3440
	75	120	111	18	93	98	11 × 17.5 × 11	M6	1.29 × 10 <sup>-6</sup>	3.45	7.1	3440
	75	120	141	18	123	98	11 × 17.5 × 11	M6	1.29 × 10 <sup>-6</sup>	4.15	7.1	3440
	78	123	87	18	69	100	11 × 17.5 × 11	M6	1.29 × 10 <sup>-6</sup>	3.14	7.99	3420
	78	123	123	18	105	100	11 × 17.5 × 11	M6	1.29 × 10 <sup>-6</sup>	4.07	7.99	3420
	78	123	92	18	74	100	11 × 17.5 × 11	M6	1.29 × 10 <sup>-6</sup>	3.27	7.99	3420
	75	114	82	18	64	93	11 × 17.5 × 11	M6	1.29 × 10 <sup>-6</sup>	2.38	7.54	3440
	82	124	73	18	55	102	11 × 17.5 × 11	M6	1.97 × 10 <sup>-6</sup>	2.86	8.87	3110
	82	124	83	18	65	102	11 × 17.5 × 11	M6	1.97 × 10 <sup>-6</sup>	3.14	8.87	3110
	82	124	103	18	85	102	11 × 17.5 × 11	M6	1.97 × 10 <sup>-6</sup>	3.69	8.87	3110
	84	126	83	18	65	104	11 × 17.5 × 11	M6	1.97 × 10 <sup>-6</sup>	3.31	8.83	3090
	84	126	95	18	77	104	11 × 17.5 × 11	M6	1.97 × 10 <sup>-6</sup>	3.66	8.83	3090
	84	126	119	18	101	104	11 × 17.5 × 11	M6	1.97 × 10 <sup>-6</sup>	4.36	8.83	3090
	84	126	144	18	126	104	11 × 17.5 × 11	M6	1.97 × 10 <sup>-6</sup>	5.52	9.09	3090
	82	126	162	18	144	104	11 × 17.5 × 11	M6	1.97 × 10 <sup>-6</sup>	5.17	9.37	3110

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