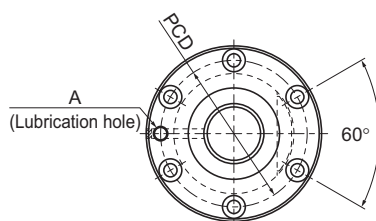
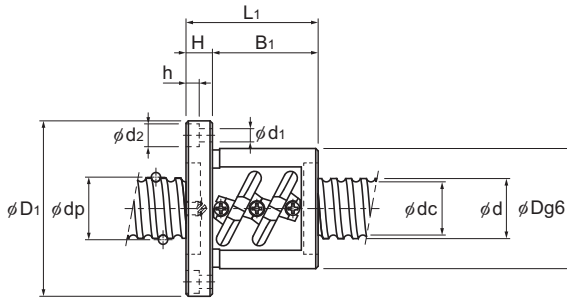


# BIF-V Small With Preload

DN value	100000
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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 × turns	Basic load rating		Rigidity K N/μm
						Ca kN	C <sub>0a</sub> kN	
BIF 1604V-5	16	4	16.5	13.8	1×2.5	4.3	8.7	298
BIF 1605V-5	16	5	16.75	13.2	1×2.5	7.4	13.9	330
BIF 2004V-5	20	4	20.5	17.8	1×2.5	4.8	10.9	360
BIF 2004V-10	20	4	20.5	17.8	2×2.5	8.6	21.8	692
BIF 2005V-5	20	5	20.75	17.2	1×2.5	8.3	17.5	390
BIF 2005V-10	20	5	20.75	17.2	2×2.5	15.1	35	762
BIF 2010V-5	20	10	20.75	17.2	1×2.5	8.3	17.6	394
BIF 2504V-5	25	4	25.5	22.8	1×2.5	5.2	13.7	426
BIF 2504V-10	25	4	25.5	22.8	2×2.5	9.5	27.4	824
BIF 2505V-5	25	5	25.75	22.2	1×2.5	9.2	21.9	470
BIF 2505V-10	25	5	25.75	22.2	2×2.5	16.7	43.9	910
BIF 2506V-5	25	6	26	21.4	1×2.5	12.4	27.4	482
BIF 2506V-10	25	6	26	21.4	2×2.5	22.6	54.8	934
BIF 2805V-5	28	5	28.75	25.2	1×2.5	9.7	24.6	520
BIF 2805V-10	28	5	28.75	25.2	2×2.5	17.5	49.2	1000
BIF 2806V-5	28	6	28.75	25.2	1×2.5	9.6	24.6	520
BIF 2806V-10	28	6	28.75	25.2	2×2.5	17.5	49.2	1000
BIF 3205V-5	32	5	32.75	29.2	1×2.5	10.2	28.1	570
BIF 3205V-10	32	5	32.75	29.2	2×2.5	18.5	56.3	1110
BIF 3206V-5	32	6	33	28.4	1×2.5	13.9	35.2	600
BIF 3206V-10	32	6	33	28.4	2×2.5	25.2	70.3	1150



Unit: mm

	Nut dimensions								Screw shaft inertial moment/mm <sup>3</sup>	Nut mass	Shaft mass	Permissible rotational speed
	Outer diameter	Flange diameter	Overall length					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				
	36	59	53	11	42	47	5.5 × 9.5 × 5.5	M6	5.05 × 10 <sup>-8</sup>	0.42	1.42	5000
	40	60	56	10	46	50	4.5 × 8 × 4.5	M6	5.05 × 10 <sup>-8</sup>	0.56	1.37	5000
	40	63	49	11	38	51	5.5 × 9.5 × 5.5	M6	1.23 × 10 <sup>-7</sup>	0.43	2.22	4870
	40	63	73	11	62	51	5.5 × 9.5 × 5.5	M6	1.23 × 10 <sup>-7</sup>	0.55	2.22	4870
	44	67	56	11	45	55	5.5 × 9.5 × 5.5	M6	1.23 × 10 <sup>-7</sup>	0.57	2.19	4810
	44	67	86	11	75	55	5.5 × 9.5 × 5.5	M6	1.23 × 10 <sup>-7</sup>	0.79	2.19	4810
	46	74	90	15	75	59	5.5 × 9.5 × 5.5	M6	1.23 × 10 <sup>-7</sup>	1.06	2.46	4810
	46	69	48	11	37	57	5.5 × 9.5 × 5.5	M6	3.01 × 10 <sup>-7</sup>	0.55	3.6	3920
	46	69	72	11	61	57	5.5 × 9.5 × 5.5	M6	3.01 × 10 <sup>-7</sup>	0.66	3.6	3920
	50	73	55	11	44	61	5.5 × 9.5 × 5.5	M6	3.01 × 10 <sup>-7</sup>	0.75	3.52	3880
	50	73	85	11	74	61	5.5 × 9.5 × 5.5	M6	3.01 × 10 <sup>-7</sup>	0.96	3.52	3880
	53	76	62	11	51	64	5.5 × 9.5 × 5.5	M6	3.01 × 10 <sup>-7</sup>	0.9	3.43	3840
	53	76	98	11	87	64	5.5 × 9.5 × 5.5	M6	3.01 × 10 <sup>-7</sup>	1.22	3.43	3840
	55	85	59	12	47	69	6.6 × 11 × 6.5	M6	4.74 × 10 <sup>-7</sup>	0.98	4.35	3470
	55	85	89	12	77	69	6.6 × 11 × 6.5	M6	4.74 × 10 <sup>-7</sup>	1.34	4.35	3470
	55	85	68	12	56	69	6.6 × 11 × 6.5	M6	4.74 × 10 <sup>-7</sup>	1.09	4.52	3470
	55	85	104	12	92	69	6.6 × 11 × 6.5	M6	4.74 × 10 <sup>-7</sup>	1.52	4.52	3470
	58	85	56	12	44	71	6.6 × 11 × 6.5	M6	8.08 × 10 <sup>-7</sup>	0.94	5.89	3050
	58	85	86	12	74	71	6.6 × 11 × 6.5	M6	8.08 × 10 <sup>-7</sup>	1.31	5.89	3050
	62	89	63	12	51	75	6.6 × 11 × 6.5	M6	8.08 × 10 <sup>-7</sup>	1.21	5.88	3030
	62	89	99	12	87	75	6.6 × 11 × 6.5	M6	8.08 × 10 <sup>-7</sup>	1.75	5.88	3030

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