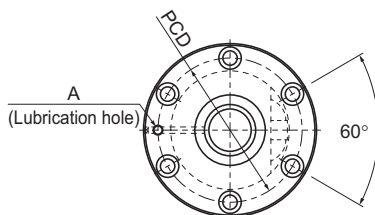


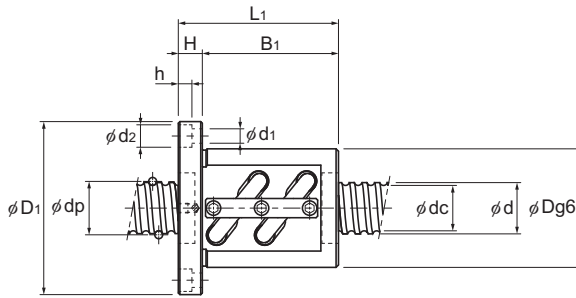
BIF-V Medium With Preload

DN value	130000
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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 _{0a} kN	
BIF 2508V-5	25	8	26.25	20.5	1×2.5	15.8	32.9	500
BIF 2508V-7	25	8	26.25	20.5	1×3.5	21.1	46	688
BIF 2508V-10	25	8	26.25	20.5	2×2.5	28.7	65.7	968
BIF 2510V-5	25	10	26.25	21.5	1×2.5	15.8	32.9	500
BIF 2810V-3	28	10	29.75	22.4	1×1.5	15.6	29.4	350
BIF 3210V-5	32	10	33.75	26.4	1×2.5	26	56.2	640
BIF 3210V-7	32	10	33.75	26.4	1×3.5	34.8	78.6	874
BIF 3210V-10	32	10	33.75	26.4	2×2.5	47.3	112.3	1128
BIF 3212V-5	32	12	34	26.1	1×2.5	30.2	63.2	644
BIF 3212V-7	32	12	34	26.1	1×3.5	40.4	88.5	888
BIF 3216V-5	32	16	33.75	26.4	1×2.5	25.9	56.5	636
BIF 3610V-5	36	10	37.75	30.5	1×2.5	27.6	63.3	696
BIF 3610V-7	36	10	37.75	30.5	1×3.5	36.9	88.6	700
BIF 3610V-10	36	10	37.75	30.5	2×2.5	50.1	126.5	1350
BIF 3612V-5	36	12	38	30.1	1×2.5	32.2	71.2	708
BIF 3612V-7	36	12	38	30.1	1×3.5	43	99.6	976
BIF 3612V-10	36	12	38	30.1	2×2.5	58.4	142.3	1372
BIF 3616V-5	36	16	38	30.1	1×2.5	32.1	71.5	710
BIF 3620V-3	36	20	37.75	30.5	1×1.5	17.7	38.4	430
BIF 4010V-5	40	10	41.75	34.4	1×2.5	29	70.4	750
BIF 4010V-7	40	10	41.75	34.4	1×3.5	38.8	98.5	1044
BIF 4010V-10	40	10	41.75	34.4	2×2.5	52.7	140.7	1470
BIF 4012V-5	40	12	42	34.1	1×2.5	33.9	79.2	770
BIF 4012V-7	40	12	42	34.1	1×3.5	45.3	110.8	1062
BIF 4012V-10	40	12	42	34.1	2×2.5	61.6	158.3	1490
BIF 4016V-5	40	16	42	34.1	1×2.5	33.9	79.4	772
BIF 4020V-5	40	20	41.75	34.4	1×2.5	28.9	71	760

Positioning Ball Screw



Unit: mm

	Nut dimensions								Screw shaft inertial moment/mm ²	Nut mass kg	Shaft mass kg/m	Permissible rotational speed min ⁻¹
	Outer diameter	Flange diameter	Overall length					Lubrication hole				
	D	D ₁	L ₁	H	B ₁	PCD	d ₁ × d ₂ × h	A				
	58	85	82	15	67	71	6.6 × 11 × 6.5	M6	3.01 × 10 ⁻⁷	1.52	3.51	4950
	58	85	98	15	83	71	6.6 × 11 × 6.5	M6	3.01 × 10 ⁻⁷	1.5	3.51	4950
	58	85	130	15	115	71	6.6 × 11 × 6.5	M6	3.01 × 10 ⁻⁷	1.93	3.51	4950
	58	85	100	18	82	71	6.6 × 11 × 6.5	M6	3.01 × 10 ⁻⁷	1.31	3.5	4950
	65	106	88	18	70	85	11 × 17.5 × 11	M6	4.74 × 10 ⁻⁷	2.33	4.15	4360
	74	108	100	15	85	90	9 × 14 × 8.5	M6	8.08 × 10 ⁻⁷	2.92	5.53	3850
	74	108	120	15	105	90	9 × 14 × 8.5	M6	8.08 × 10 ⁻⁷	3.1	5.53	3850
	74	108	160	15	145	90	9 × 14 × 8.5	M6	8.08 × 10 ⁻⁷	4.27	5.53	3850
	76	121	117	18	99	98	11 × 17.5 × 11	M6	8.08 × 10 ⁻⁷	3.7	5.7	3820
	76	121	146	18	128	98	11 × 17.5 × 11	M6	8.08 × 10 ⁻⁷	3.7	5.7	3820
	74	108	139	18	121	90	9 × 14 × 8.5	M6	8.08 × 10 ⁻⁷	3.81	5.82	3850
	75	120	111	18	93	98	11 × 17.5 × 11	M6	1.29 × 10 ⁻⁶	3.45	7.1	3440
	75	120	123	18	105	98	11 × 17.5 × 11	M6	1.29 × 10 ⁻⁶	3.82	7.1	3440
	75	120	171	18	153	98	11 × 17.5 × 11	M6	1.29 × 10 ⁻⁶	4.84	7.1	3440
	78	123	123	18	105	100	11 × 17.5 × 11	M6	1.29 × 10 ⁻⁶	4.69	7.99	3420
	78	123	140	18	122	100	11 × 17.5 × 11	M6	1.29 × 10 ⁻⁶	4.34	7.99	3420
	78	123	195	18	177	100	11 × 17.5 × 11	M6	1.29 × 10 ⁻⁶	5.67	7.99	3420
	78	123	140	18	122	100	11 × 17.5 × 11	M6	1.29 × 10 ⁻⁶	4.31	7.99	3420
	75	114	122	18	104	93	11 × 17.5 × 11	M6	1.29 × 10 ⁻⁶	3.4	7.54	3440
	82	124	103	18	85	102	11 × 17.5 × 11	M6	1.97 × 10 ⁻⁶	3.61	8.87	3110
	82	124	123	18	105	102	11 × 17.5 × 11	M6	1.97 × 10 ⁻⁶	3.97	8.87	3110
	82	124	163	18	145	102	11 × 17.5 × 11	M6	1.97 × 10 ⁻⁶	5.33	8.87	3110
	84	126	119	18	101	104	11 × 17.5 × 11	M6	1.97 × 10 ⁻⁶	4.36	8.83	3090
	84	126	143	18	125	104	11 × 17.5 × 11	M6	1.97 × 10 ⁻⁶	4.92	8.83	3090
	84	126	191	18	173	104	11 × 17.5 × 11	M6	1.97 × 10 ⁻⁶	6.47	8.83	3090
	84	126	144	18	126	104	11 × 17.5 × 11	M6	1.97 × 10 ⁻⁶	4.9	9.09	3090
	82	126	162	18	144	104	11 × 17.5 × 11	M6	1.97 × 10 ⁻⁶	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.