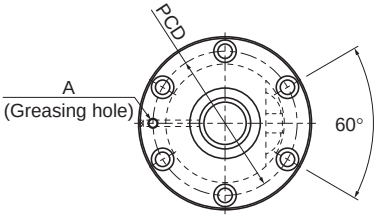
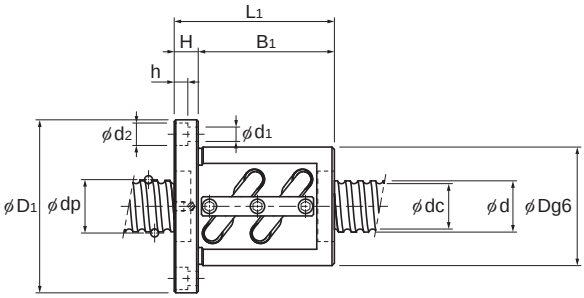
BIF-V Medium With Preload

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 Ca kN	Basic load rating C_{0a} kN	Rigidity K N/μm
BIF 4510V-5	45	10	46.75	39.5	1×2.5	30.6	79.3	830
BIF 4510V-10	45	10	46.75	39.5	2×2.5	55.6	158.5	1610
BIF 4512V-5	45	12	47	39.2	1×2.5	35.9	89.2	846
BIF 4512V-10	45	12	47	39.2	2×2.5	65.2	178.3	1638
BIF 4516V-5	45	16	47	39.2	1×2.5	35.8	89.4	846
BIF 4520V-5	45	20	47	39.2	1×2.5	35.8	89.7	848
BIF 5010V-5	50	10	51.75	44.4	1×2.5	32.1	88.1	900
BIF 5010V-7	50	10	51.75	44.4	1×3.5	42.9	123.4	1244
BIF 5010V-10	50	10	51.75	44.4	2×2.5	58.2	176.3	1750
BIF 5012V-5	50	12	52.25	43.3	1×2.5	43.4	110.1	934
BIF 5012V-7	50	12	52.25	43.3	1×3.5	58	154.1	1286
BIF 5012V-10	50	12	52.25	43.3	2×2.5	78.8	220.2	1808
BIF 5016V-5	50	16	52.7	42.9	1×2.5	72.6	183.1	1220
BIF 5016V-10	50	16	52.7	42.9	2×2.5	131.8	366.2	2364
BIF 5020V-5	50	20	52.7	42.9	1×2.5	72.5	183.6	1222



Unit: mm

	Nut dimensions								Screw shaft inertial moment/mm	Nut mass	Shaft mass	Maximum permissible rotation speed
	Outer diameter	Flange diameter	Overall length					Greasing hole				
	D	D_1	L_1	H	B_1	PCD	$d_1 \times d_2 \times h$	A	kg•m²/mm	kg	kg/m	min⁻¹
	88	132	111	18	93	110	11×17.5×11	Rc1/8 (PT1/8)	3.16×10^{-6}	4.29	12.48	2780
	88	132	171	18	153	110	11×17.5×11		3.16×10^{-6}	5.97	12.48	2780
	90	130	119	18	101	110	11×17.5×11		3.16×10^{-6}	4.6	11.32	2760
	90	130	191	18	173	110	11×17.5×11		3.16×10^{-6}	6.67	11.32	2760
	90	130	140	18	122	110	11×17.5×11		3.16×10^{-6}	5.3	11.61	2760
	90	130	162	18	144	110	11×17.5×11		3.16×10^{-6}	5.96	11.1	2760
	93	135	103	18	85	113	11×17.5×11		4.82×10^{-6}	4.28	14.16	2510
	93	135	123	18	105	113	11×17.5×11		4.82×10^{-6}	4.94	14.16	2510
	93	135	163	18	145	113	11×17.5×11		4.82×10^{-6}	6.26	14.16	2510
	100	146	123	22	101	122	14×20×13		4.82×10^{-6}	6.12	13.82	2480
	100	146	147	22	125	122	14×20×13		4.82×10^{-6}	7.06	13.82	2480
	100	146	195	22	173	122	14×20×13		4.82×10^{-6}	8.91	13.82	2480
	105	152	164	25	139	128	14×20×13		4.82×10^{-6}	8.82	13.71	2460
	105	152	260	25	235	128	14×20×13		4.82×10^{-6}	12.3	13.71	2460
	105	152	201	28	173	128	14×20×13		4.82×10^{-6}	10.63	14.05	2460

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

Options⇒A15-307