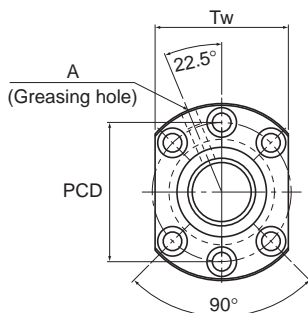


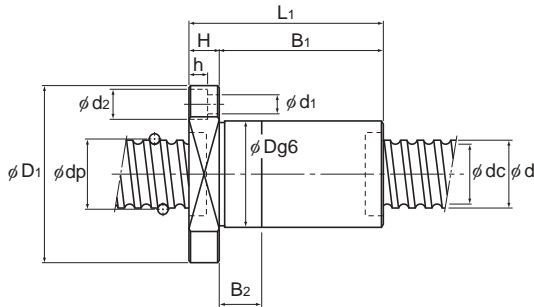
DIK With Preload

DN value	70000
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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	
DIK 4010-6	40	10	41.75	34.7	3 × 1	29.8	69.3	750
DIK 4010-8	40	10	41.75	34.7	4 × 1	38.1	92.4	1000
DIK 4012-6	40	12	41.75	34.4	3 × 1	30.6	72.3	790
DIK 4012-8	40	12	41.75	34.4	4 × 1	39.2	96.4	1030
DIK 4016-4	40	16	41.75	34.4	2 × 1	21.5	68.4	540
DIK 5010-6	50	10	51.75	44.4	3 × 1	33.9	90.7	940
DIK 5010-8	50	10	51.75	44.4	4 × 1	43.4	120.5	1230
DIK 5010-10	50	10	51.75	44.4	5 × 1	52.5	150.9	1530
DIK 5012-6	50	12	52.25	43.3	3 × 1	45.8	113	970
DIK 5012-8	50	12	52.25	43.3	4 × 1	58.6	150.6	1270
DIK 5016-4	50	16	52.25	43.3	2 × 1	32.3	75.5	660
DIK 5016-6	50	16	52.25	43.3	3 × 1	45.7	113.3	970
DIK 6310-8	63	10	64.75	57.7	4 × 1	49.5	160.7	1550
DIK 6312-6	63	12	65.25	56.3	3 × 1	51.9	147.4	1200
DIK 6312-8	63	12	65.25	56.3	4 × 1	66.4	196.6	1570

Positioning Ball Screw



Unit: mm

	Nut dimensions									Screw shaft inertial moment/mm ³	Nut mass	Shaft mass	
	Outer diameter	Flange diameter	Overall length	H	B ₁	B ₂	PCD	d ₁ × d ₂ × h	Tw				Greasing hole
	D	D ₁	L ₁	H	B ₁	B ₂	PCD	d ₁ × d ₂ × h	Tw	A	kg·m ² /mm	kg	kg/m
	62	104	113	18	95	25	82	11 × 17.5 × 11	79	Rc1/8 (PT1/8)	1.97 × 10 ⁻⁶	2.09	8.22
	62	104	137	18	119	35	82	11 × 17.5 × 11	79		1.97 × 10 ⁻⁶	2.42	8.22
	62	104	138	18	120	35	82	11 × 17.5 × 11	79		1.97 × 10 ⁻⁶	2.44	8.5
	62	104	163	18	145	45	82	11 × 17.5 × 11	79		1.97 × 10 ⁻⁶	2.78	8.5
	62	104	120	18	102	30	82	11 × 17.5 × 11	79		1.97 × 10 ⁻⁶	2.19	8.83
	72	123	114	18	96	30	101	11 × 17.5 × 11	92		4.82 × 10 ⁻⁶	2.65	13.38
	72	123	137	18	119	35	101	11 × 17.5 × 11	92		4.82 × 10 ⁻⁶	3.03	13.38
	72	123	160	18	142	45	101	11 × 17.5 × 11	92		4.82 × 10 ⁻⁶	3.41	13.38
	75	129	145	22	123	35	105	14 × 20 × 13	98		4.82 × 10 ⁻⁶	3.83	12.74
	75	129	170	22	148	45	105	14 × 20 × 13	98		4.82 × 10 ⁻⁶	4.31	12.74
	75	129	129	22	107	30	105	14 × 20 × 13	98		4.82 × 10 ⁻⁶	3.52	13.41
	75	129	175	22	153	45	105	14 × 20 × 13	98		4.82 × 10 ⁻⁶	4.41	13.41
	85	146	141	22	119	35	122	14 × 20 × 13	110		1.21 × 10 ⁻⁵	4.16	21.93
	90	146	146	22	124	35	122	14 × 20 × 13	110		1.21 × 10 ⁻⁵	4.93	21.14
	90	146	171	22	149	45	122	14 × 20 × 13	110		1.21 × 10 ⁻⁵	5.56	21.14

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