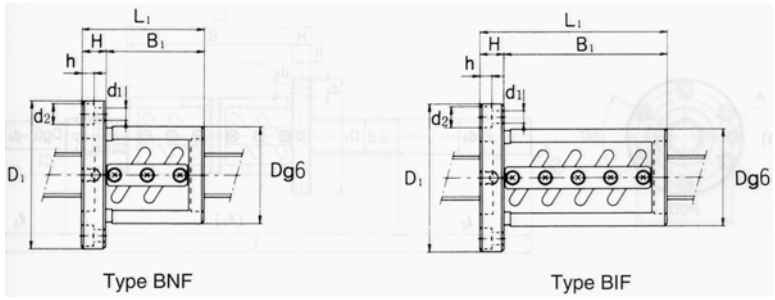
Unit: mm

Model No.	Screw shaft OD d	Lead ℓ	Ball center-to-center diameter dp	Thread minor diameter d_3	No. of loaded circuits/ RowsXturns	Basic load rating Ca kN	Basic load rating C_{0a} kN	Note) 1 Rigidity K N / μm	Nut dimensions OD D	Flange diameter D_1	Overall length L	H	B_1	PCD	d_1Xd_2Xh	Oil hole A	Screw-shaft inertial moment per mm kg·cm²/ mm
BIF 1605-5	16	5	16.75	13.2	1X2.5	7.4	13.9	330	40	60	56	10	46	50	4.5X 8 X4.5	M6X1	$5.05X10^{-4}$
BIF 1606-5		6	16.8	13.2	1X2.5	7.5	14.0	330	40	60	62	10	52	50	4.5X 8 X4.5	M6X1	$5.05X10^{-4}$
BIF 1810-3	18	10	18.8	15.5	1X1.5	5.1	9.6	230	42	65	75	12	63	53	5.5X 9.5 X5.5	M6X1	$8.09X10^{-4}$
BIF 2004-5	20	4	20.5	17.8	1X2.5	4.8	10.9	360	40	63	53	11	42	51	5.5X 9.5 X5.5	M6X1	$1.23X10^{-3}$
BIF 2005-5		5	20.75	17.2	1X2.5	8.3	17.4	390	44	67	56	11	45	55	5.5X 9.5 X5.5	M6X1	$1.23X10^{-3}$
BIF 2006-3		6	20.75	17.2	1X1.5	5.4	10.5	250	48	71	56	11	45	59	5.5X 9.5 X5.5	M6X1	$1.23X10^{-3}$
BIF 2006-5			20.75	17.2	1X2.5	8.3	17.5	390	48	71	62	11	51	59	5.5X 9.5 X5.5	M6X1	$1.23X10^{-3}$
BIF 2505-3	25	5	25.75	22.2	1X1.5	6.0	13.1	280	50	73	52	11	41	61	5.5X 9.5 X5.5	M6X1	$3.01X10^{-3}$
BIF 2505-5			25.75	22.2	1X2.5	9.2	22.0	470	50	73	55	11	44	61	5.5X 9.5 X5.5	M6X1	$3.01X10^{-3}$
BIF 2508-5		8	26.25	20.5	1X2.5	15.8	32.8	500	58	85	82	15	67	71	6.6X 11 X6.5	M6X1	$3.01X10^{-3}$
BIF 2805-5	28	5	28.75	25.2	1X2.5	9.7	24.6	520	55	85	59	12	47	69	6.6X 11 X6.5	M6X1	$4.74X10^{-3}$
BIF 2805-10			28.75	25.2	2X2.5	17.4	49.4	1000	55	85	89	12	77	69	6.6X 11 X6.5	M6X1	$4.74X10^{-3}$
BIF 2806-5		6	28.75	25.2	1X2.5	9.6	24.6	520	55	85	68	12	56	69	6.6X 11 X6.5	M6X1	$4.74X10^{-3}$
BIF 2806-10			28.75	25.2	2X2.5	17.5	49.4	1000	55	85	104	12	92	69	6.6X 11 X6.5	M6X1	$4.74X10^{-3}$
BIF 2810-3		10	29.75	22.4	2X1.5	15.7	29.4	350	65	106	88	18	70	85	11 X17.5X11	M6X1	$4.74X10^{-3}$

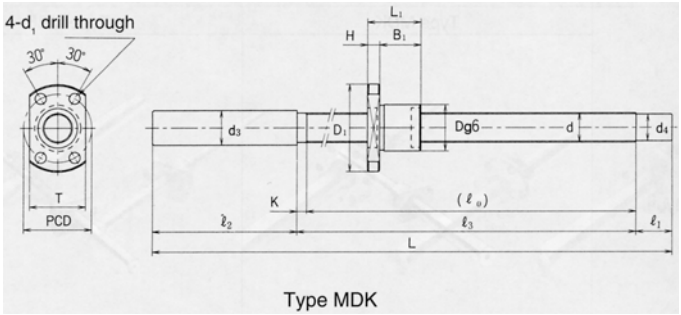
Unit: mm

Model No.	Screw shaft OD d	Lead ℓ	Ball center-to-center diameter dp	Thread minor diameter d_3	No. of loaded circuits/ RowsXturns	Basic load rating Ca kN	Basic load rating C_{0a} kN	Note) 1 Rigidity K N / μm	Nut dimensions OD D	Flange diameter D_1	Overall length L	H	B_1	PCD	d_1Xd_2Xh	Oil hole A	Screw-shaft inertial moment per mm kg·cm²/ mm
BIF 3204-10	32	4	32.5	30.1	2X2.5	10.5	35.4	1010	54	81	76	11	65	67	6.6X 11 X6.5	M6X1	$8.08X10^{-3}$
BIF 3205-5		5	32.75	29.2	1X2.5	10.2	28.1	570	58	85	56	12	44	71	6.6X 11 X6.5	M6X1	$8.08X10^{-3}$
BIF 3205-10			32.75	29.2	2X2.5	18.5	56.4	1110	58	85	86	12	74	71	6.6X 11 X6.5	M6X1	$8.08X10^{-3}$
BIF 3206-5		6	33.0	28.4	1X2.5	13.9	35.2	600	62	89	63	12	51	75	6.6X 11 X6.5	M6X1	$8.08X10^{-3}$
BIF 3206-7			33.0	28.4	1X3.5	18.5	49.2	810	62	89	75	12	63	75	6.6X 11 X6.5	M6X1	$8.08X10^{-3}$
BIF 3206-10			33.0	28.4	2X2.5	25.2	70.4	1150	62	89	99	12	87	75	6.6X 11 X6.5	M6X1	$8.08X10^{-3}$
BIF 3208A-5		8	33.25	27.5	1X2.5	17.8	42.2	610	66	100	82	15	67	82	9 X 14 X8.5	M6X1	$8.08X10^{-3}$
BIF 3208A-7			33.25	27.5	1X3.5	23.8	59.1	840	66	100	98	15	83	82	9 X 14 X8.5	M6X1	$8.08X10^{-3}$
BIF 3210A-5		10	33.75	26.4	1X2.5	26.1	56.2	640	74	108	100	15	85	90	9 X 14 X8.5	M6X1	$8.08X10^{-3}$
BIF 3610-5	36	10	37.75	30.5	1X2.5	27.6	63.3	700	75	120	111	18	93	98	11X17.5X 11	M6X1	$1.29X10^{-2}$
BIF 3610-10			37.75	30.5	2X2.5	50.1	126.4	1350	75	120	171	18	153	98	11X17.5X 11	M6X1	$1.29X10^{-2}$
BIF 4010-5	40	10	41.75	34.4	1X2.5	29.0	70.4	750	82	124	103	18	85	102	11X17.5X 11	M6X1	$1.97X10^{-2}$
BIF 4010-10			41.75	34.4	2X2.5	52.7	141.1	1470	82	124	163	18	145	102	11X17.5X 11	M6X1	$1.97X10^{-2}$
BIF 4012-5		12	42.0	34.1	1X2.5	33.9	79.2	770	84	126	119	18	101	104	11X17.5X 11	M6X1	$1.97X10^{-2}$
BIF 4012-10			42.0	34.1	2X2.5	61.6	158.8	1490	84	126	191	18	173	104	11X17.5X 11	M6X1	$1.97X10^{-2}$
BIF 5010-5	50	10	51.75	44.4	1X2.5	32.0	88.2	900	93	135	103	18	85	113	11X17.5X 11	PT 1/8	$4.82X10^{-2}$
BIF 5010-10			51.75	44.4	2X2.5	58.2	176.4	1750	93	135	163	18	145	113	11X17.5X 11	PT 1/8	$4.82X10^{-2}$



Type BNF

Type BIF



Type MDK

Unit: mm

Model No.	Screw shaft OD d	Lead ℓ	Ball center-to-center diameter dp	Thread minor diameter d3	No. of loaded circuits/ RowsXturns	Basic load rating Ca kN	Basic load rating Coa kN	Note) 1 Rigidity K N / μm	Nut dimensions OD D	Flange diameter D1	Overall length L	H	B1	PCD	d1	T	Oil hole A	Screw-shaft inertial moment per mm kg·cm²/ mm
MDK 0401-3	4	1	4.15	3.4	1X3	0.29	0.42	35	9	19	13	3	10	14	2.9	13	—	1.97×10^{-6}
MDK 0601-3	6	1	6.2	5.3	1X3	0.54	0.94	60	11	23	14.5	3.5	11	17	3.4	15	—	9.99×10^{-6}
MDK 0801-3	8	1	8.2	7.3	1X3	0.64	1.4	80	13	26	15	4	11	20	3.4	17	—	3.16×10^{-5}
MDK 0802-3		2	8.3	7.0	1X3	1.4	2.3	80	15	28	22	5	17	22	3.4	19	—	3.16×10^{-5}
MDK 1002-3	10	2	10.3	9.0	1X3	1.5	2.9	100	17	34	22	5	17	26	4.5	21	—	7.71×10^{-5}
MDK 1202-3	12	2	12.3	11.0	1X3	1.7	3.6	120	19	36	22	5	17	28	4.5	23	—	1.60×10^{-4}
MDK 1402-3	14	2	14.3	13.0	1X3	1.8	4.3	190	21	40	23	6	17	31	5.5	26	—	2.96×10^{-4}
MDK 1404-3		4	14.65	11.6	1X3	4.2	7.6	190	26	45	33	6	27	36	5.5	28	—	2.96×10^{-4}
MDK 1405-3		5	14.75	11.2	1X3	7.0	11.6	140	26	45	42	10	32	36	5.5	28	M6X1	2.96×10^{-4}

Fixed-side angular ball bearing					Supported-side deep-groove ball bearing			
Support Unit model No.	Bearing model No.	Axial direction			Support Unit model No.	Bearing model No.	Radial direction	
		Basic dynamic load rating Ca (kN)	Permissible load* (kN)	Rigidity (N/μm)			Basic dynamic load rating C (kN)	Basic stati load ratin Co (kN)
EK 4 FK 4	AC4-12P5	0.93	1.1	27	—	—	—	—
EK 5 FK 5	AC5-14P5	1.0	1.24	29	—	—	—	—
EK 6 FK 6	AC6-16P5	1.38	1.76	35	EF 6 FF 6	606ZZ	2.19	0.87
EK 8 FK 8	79MADF GMP5	3.6	2.15	49	EF 8	606ZZ	2.19	0.87
EK10 FK10 BK10	7000DF GMP5	6.08	0.45	65	EF10 FF10 BF10	608ZZ	3.35	1.4
EK12 FK12 BK12	7001DF GMP5	6.66	0.55	88	EF12 FF12 BF12	6000ZZ	4.55	1.96
EK15 FK15 BK15	7002DF GMP5	7.6	0.63	100	EF15 FF15 BF15	6002ZZ	5.6	2.84
BK17	7203DF GMP5	13.7	1.39	125	BF17	6203ZZ	9.6	4.6
EK20 FK20	7204DF GMP5	17.9	1.89	170	EF20 FF20	6204ZZ	12.8	6.65
BK20	7004DF GMP5	12.7	1.16	140	BF20	6004ZZ	9.4	5.05
FK25 BK25	7205DF GMP5	20.2	1.74	190	FF25 BF25	6205ZZ	14.0	7.85
FK30 BK30	7206DF GMP5	28.0	3.75	195	FF30 BF30	6206ZZ	19.5	11.3
BK35	7207DF GMP5	37.2	5.83	255	BF35	6207ZZ	25.7	15.3
BK40	7208DF GMP5	44.1	8.17	270	BF40	6208ZZ	29.1	17.8

Types of Support Units and Applicable Screw-Shaft Diameters

Fixed-Side Support Unit ID (mm)	Fixed-Side Support Unit applicable model No.	Supported-Side Support Unit ID (mm)	Supported-Side Support Unit applicable model No.	Applicable screw shaft OD (mm)
4	EK 4 FK 4	—	—	ϕ 4
5	EK 5 FK 5	—	—	ϕ 6
6	EK 6 FK 6	6	EF 6 FF 6	ϕ 8
8	EK 8 FK 8	6	EF 8 FF 6	ϕ 10
10	EK 10 FK 10 BK 10	8	EF 10 FF 10 BF 10	ϕ 10, ϕ 12, ϕ 14
12	EK 12 FK 12 BK 12	10	EF 12 FF 12 BF 12	ϕ 14, ϕ 15, ϕ 16
15	EK 15 FK 15 BK 15	15	EF 15 FF 15 BF 15	ϕ 20
17	BK 17	17	BF 17	ϕ 20, ϕ 25
20	EK 20 FK 20 BK 20	20	EF 20 FF 20 BF 20	ϕ 25, ϕ 28, ϕ 32
25	FK 25 BK 25	25	FF 25 BF 25	ϕ 36
30	FK 30 BK 30	30	FF 30 BF 30	ϕ 40, ϕ 45
35	BK 30	35	BF 35	ϕ 45
40	BK 40	40	BF 40	ϕ 50

Note: The Support Units in this table are limited to those with recommended shaft end shape types H, J, and K, which are shown on page D-300.