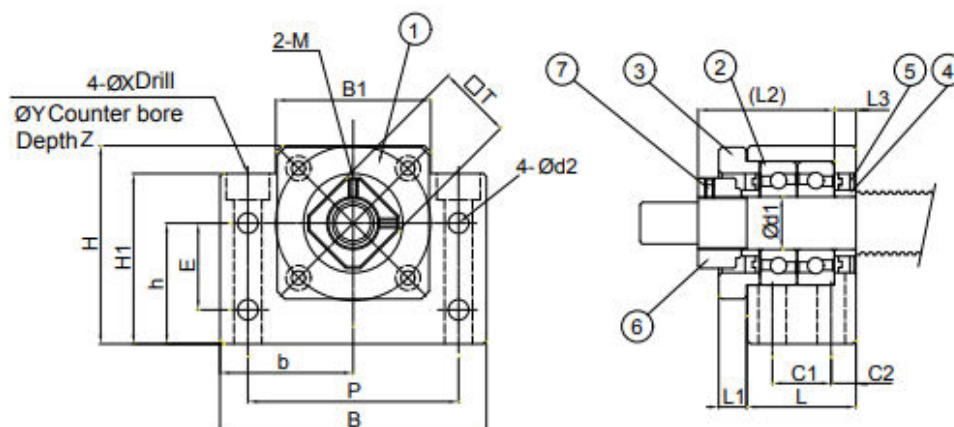


8.1.3 BK Series



Part No.	Part name	Qty
1	Housing	1
2	Bearing	1 set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Set screw	1
7	Hexagonal socket-head setscrew with set piece	2

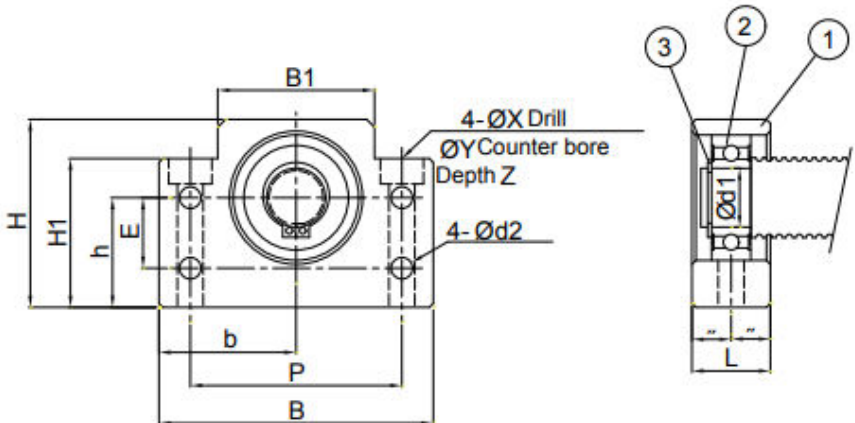


Specification	Main dimensions (mm)																					
	d1	L	L1	L2	L3	B	H	b (Note 1)	h (Note 1)	B1	H1	E	P	G1	G2	d2	X	Y	Z	M	T	Weight (kg)
BK10	10	25	5	29.5	5	60	39	30	22	34	32.5	15	46	13	6	5.5	6.6	10.8	5	M3	16	0.4
BK12	12	25	5	29.5	5	60	43	30	25	34	32.5	18	46	13	6	5.5	6.6	10.8	1.5	M4	19	0.45
BK15	15	27	6	32	6	70	48	35	28	40	38	18	54	15	6	5.5	6.6	11	6.5	M4	22	0.6
BK17	17	35	9	44	7	86	64	43	39	50	55	28	68	19	8	6.6	9	14	8.5	M4	24	1.3
BK20	20	35	8	43	8	88	60	44	34	52	50	22	70	19	8	6.6	9	14	8.5	M4	30	1.3
BK25	25	42	12	54	9	106	80	53	48	64	70	33	85	22	10	9	11	17	11	M6	35	2.4
BK30	30	45	14	61	9	128	89	64	51	76	78	33	102	23	11	11	14	20	13	M6	40	3.4
BK35	35	50	14	67	12	140	96	70	52	88	79	35	114	26	12	11	14	20	13	M6	50	4.4
BK40	40	61	18	76	15	160	110	80	60	100	90	37	130	33	14	14	18	26	17.5	M6	50	6.8

Note: 1. Tolerance of Height (h) and tolerance of Width (b) refer to the precision of standard bearing.

2. Specification are subject to change without notice.

8.1.4 BF Series



Part No.	Part name	Qty
1	Housing	1
2	Bearing	1
3	Snap ring	1



Specification	Main dimensions (mm)																
	d1	L	B	H	b (Note 1)	h (Note 1)	B1	H1	E	P	d2	X	Y	Z	Bearing	Snap ring	Weight (kg)
BF10	8	20	60	39	30	22	34	32.5	15	46	5.5	6.6	10.8	5	608ZZ	S08	0.3
BF12	10	20	60	43	30	25	34	32.5	18	46	5.5	6.6	10.8	1.5	6000ZZ	S10	0.35
BF15	15	20	70	48	35	28	40	38	18	54	5.5	6.6	11	6.5	6002ZZ	S15	0.4
BF17	17	23	86	64	43	39	50	55	28	68	6.6	9	14	8.5	6203ZZ	S17	0.75
BF20	20	26	88	60	44	34	52	50	22	70	6.6	9	14	8.5	6004ZZ	S20	0.77
BF20H	20	26	88	74	44	48	52	64	-	70	-	9	14	8.5	6004ZZ	S20	1.02
BF25	25	30	106	80	53	48	64	70	33	85	9	11	17	11	6205ZZ	S25	1.45
BF30	30	32	128	89	64	51	76	78	33	102	11	14	20	13	6206ZZ	S30	1.95
BF35	35	32	140	96	70	52	88	79	35	114	11	14	20	13	6207ZZ	S35	2.25
BF40	40	37	160	110	80	60	100	90	37	130	14	18	26	17.5	6208ZZ	S40	3.3

Note: 1. Tolerance of Height (h) and tolerance of Width (b) refer to the precision of standard bearing.
2. Specification are subject to change without notice.

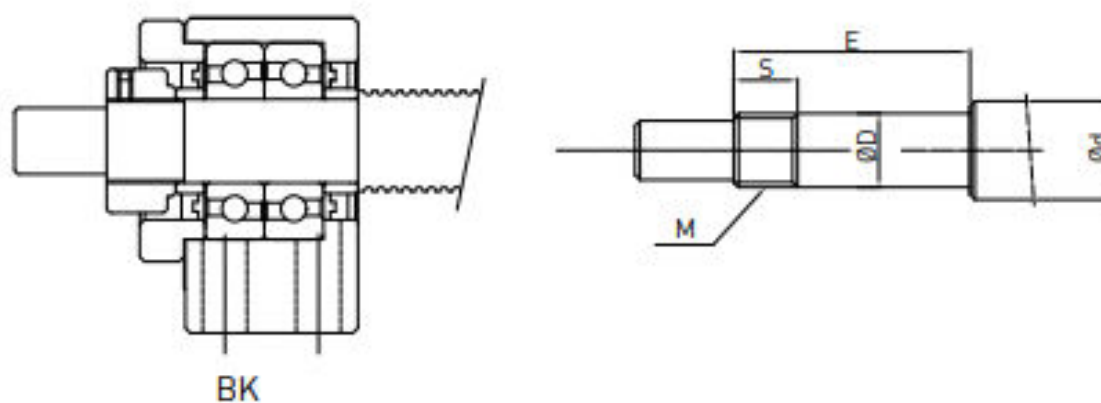
Internal Diameter (mm)	Type					Bearing	Available Axial Force (kN)	Max. Radial Load (kN)
	BK	LK	FK	EK	AK			
Φ 6	-	-	FK06	EK06	-	706A	0.73	1.6
Φ 8	-	LK08	FK08	EK08	-	708A	1	2.9
Φ 10	BK10	LK10	FK10	EK10	AK10	7000A	1.9	5.2
Φ 12	BK12	LK12	FK12	EK12	AK12	7001A	2.1	6
Φ 15	BK15	LK15	FK15	EK15	AK15	7002A	2.4	6.9
Φ 17	BK17	-	FK17	-	-	7203A	4.1	12
Φ 20	BK20	-	-	-	-	7004A	4.2	13.2
Φ 20	-	-	FK20	EK20	AK20	7204A	5.8	16.6
Φ 20	-	-	FK20B	EK20B	AK20B	7204B	6.8	15.6
Φ 25	BK25	-	FK25	-	AK25	7205A	7	20.6
Φ 25	BK25B	-	FK25B	-	AK25B	7205B	8	18.8
Φ 30	BK30	-	FK30	-	-	7206A	9.8	29.6
Φ 30	BK30B	-	FK30B	-	-	7206B	10.5	27
Φ 35	BK35	-	-	-	-	7207B	14.4	36.8
Φ 40	BK40	-	-	-	-	7208B	18	46

Note: 1. P5 bearing is used in C3 and C5 support unit; P0 bearing is used in C7 support unit.

2. Applied in light resultant axial force.

Internal Diameter (mm)	Type						Bearing	Basic Static Load, C0 (kN)	Basic Dynamic Load, C (kN)
	BF	LF	LFA	FF	EF	AF			
Φ 5	-	-	-	FK05[C7]	EK05[C7]	-	605	0.5	1.3
Φ 6	-	LF08	-	FF06	EF06 EF08	-	606ZZ	0.8	2.2
Φ 8	BF10	-	-	FF10	EF10	AF10	608ZZ	1.3	3.3
Φ 10	BF12	LF10	-	FF12	EF12	AF12	6000ZZ	1.9	4.5
Φ 12	-	-	LFA12	-	-	-	6801ZZ	1	1.9
Φ 15	BF15	LF15	-	FF15	EF15	AF15	6002ZZ	2.8	5.6
Φ 15	-	-	LFA15	-	-	-	6902ZZ	2.2	4.3
Φ 17	BF17	-	-	FF17	-	-	6203ZZ	4.8	9.5
Φ 20	BF20	-	-	-	-	-	6004ZZ	5	9.4
Φ 20	-	-	-	FF20	EF20	AF20	6204ZZ	6.6	12.8
Φ 20	-	-	LFA20	-	-	-	6804ZZ	2.4	4
Φ 25	-	-	LFA25	-	-	-	6005ZZ	5.8	10.1
Φ 25	BF25	-	-	FF25	-	AF25	6205ZZ	7.8	14
Φ 30	BF30	-	-	FF30	-	-	6206ZZ	11.3	19.5
Φ 35	BF35	-	-	-	-	-	6207ZZ	15.3	25.7
Φ 40	BF40	-	-	-	-	-	6208ZZ	17.9	29.1

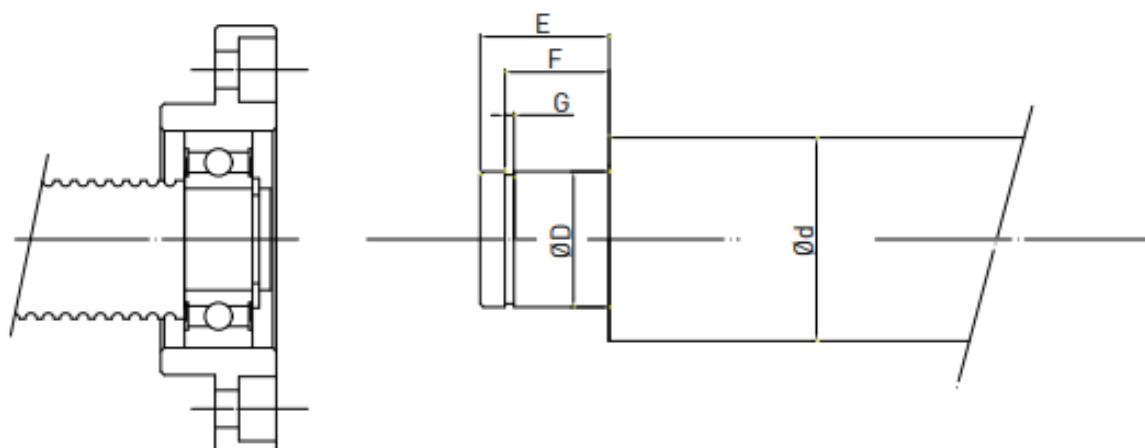
- Fixed Side - BK Series



Specification	Main dimensions [mm]				
	d	D	E	M	S
BK10	10-15	10	36	M10 x 1	12
BK12	14-18	12	36	M12 x 1	12
BK15	20	15	40	M15 x 1	12
BK17	25-28	17	53	M17 x 1	17
BK20	25-28	20	53	M20 x 1	15
BK25	30-36	25	66	M25 x 1.5	20
BK30	40	30	73	M30 x 1.5	25
BK35	45	35	82	M30 x 1.5	26
BK40	50	40	94	M40 x 1.5	30

Note: This chart is the suggestive specification[E,S,M] for ball screw end machining to match with the support units, for the rest of the specifications please refer to the ball screw manual.

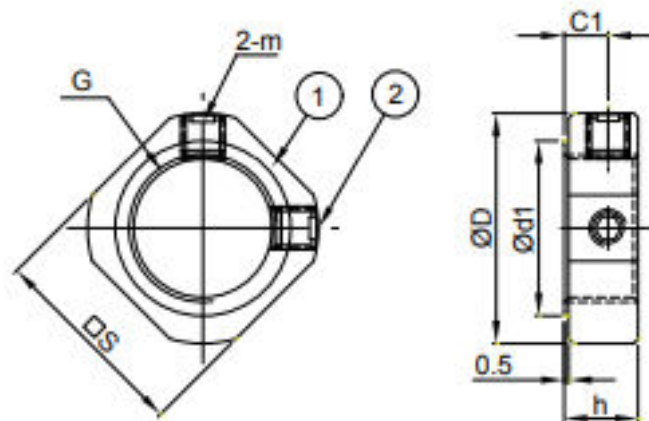
• Supported Side



Specification					Main dimensions [mm]				
FF	EF	BF	AF	LF	d	D	E	F	G
FF06	EF06	-	-	-	8	6	9	6.8	0.8
-	EF08	-	-	LF08	10-12	6	9	6.8	0.8
FF10	EF10	BF10	AF10	-	10-15	8	10	7.9	0.9
FF12	EF12	BF12	AF12	-	14-18	10	11	9.15	1.15
FF15	EF15	BF15	AF15	LF12	20	15	13	10.15	1.15
FF17	-	BF17	-	LF15	25-28	17	16	13.15	1.15
FF20	EF20	[BF20]	AF20	-	25-28	20	19[16]	15.35[13.35]	1.35
FF25	-	BF25	AF25	-	30-36	25	20	16.35	1.35
FF30	-	BF30	-	-	40	30	21	17.75	1.75
-	-	BF35	-	-	45	35	22	18.75	1.75
-	-	BF40	-	-	50	40	23	19.95	1.95

Note: This chart is the suggestive specification[E,F,G] for ball screw end machining to match with the support units, for the rest of the specifications please refer to the ball screw manual.

8.1.13 Standard Lock Nut

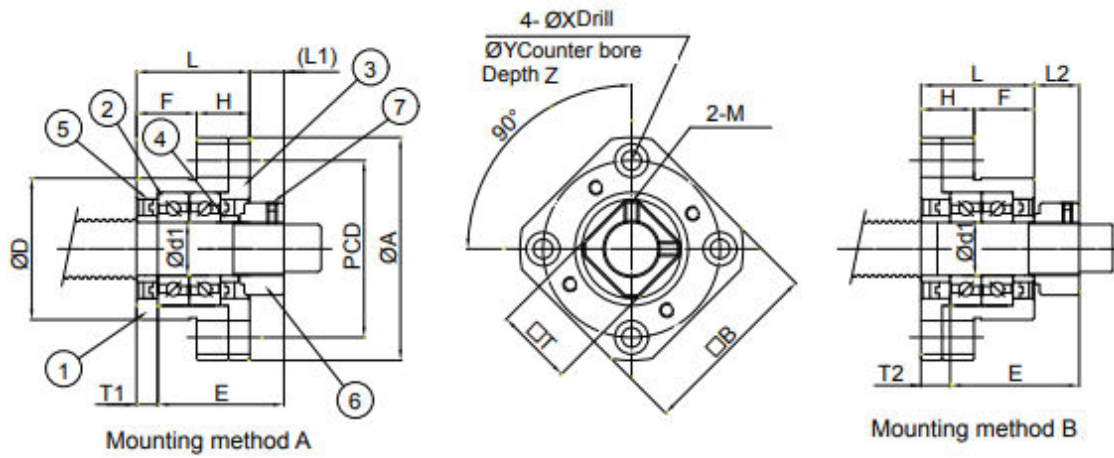


Part No.	Part name	Qty
1	Lock Nut	1
2	Hexagonal socket-head setscrew with set piece	2



Specification	Main dimensions (mm)							Tightening Torque (N-m)
	D	h	d1	m	c1	G	s	
M5 x 0.5	12.5	5	8	M3	2.7	M5 x 0.5	11	2
M6 x 0.75	13.5	5	9	M3	2.7	M6 x 0.75	12	3
M8 x 1.0	16	6.5	11	M3	4	M8 x 1.0	14	7
M10 x 1.0	19	8	13	M3	5.5	M10 x 1.0	16	13
M12 x 1.0	22	8	16	M4	5.5	M12 x 1.0	19	18
M15 x 1.0	25	8	19	M4	4.75	M15 x 1.0	22	28
M17 x 1.0	29	13	21	M4	9	M17 x 1.0	24	50
M20 x 1.0	35	11	27	M4	7	M20 x 1.0	30	80
M25 x 1.5	43	15	32	M6	10	M25 x 1.5	35	145
M30 x 1.5	48	20	37	M6	14	M30 x 1.5	40	280
M35 x 1.5	60	21	47	M6	14	M35 x 1.5	50	400
M40 x 1.5	62	25	47	M6	18	M40 x 1.5	50	620

1.7 FK Series



Part No.	Part name	Qty
1	Housing	1
2	Bearing	1 set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Set screw	1
7	Hexagonal socket-head setscrew with set piece	2

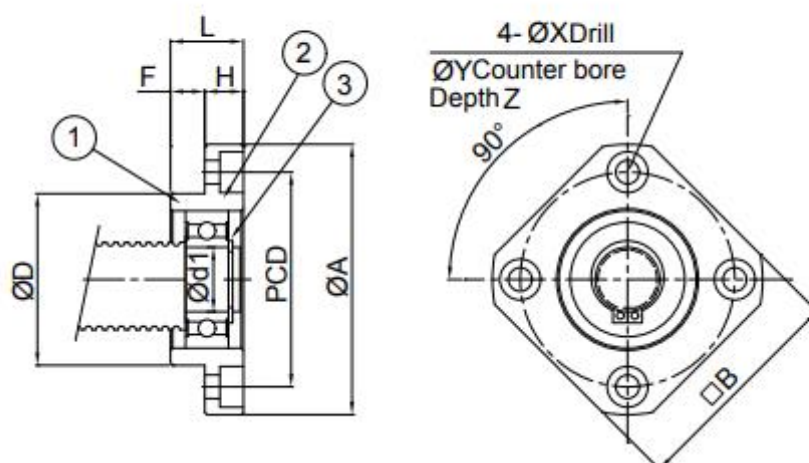


Specification	Main dimensions (mm)																		
	d1	L	H	F	E	D (Note 1)	A	PCD	B	Mounting method A		Mounting method B		X	Y	Z	M	T	Weight [kg]
										L1	T1	L2	T2						
FK05	5	16.5	6	10.5	18.5	20	34	26	26	5.5	3.5	5	3	3.4	6.5	4	M3	11	0.1
FK06	6	20	7	13	22	22	36	28	28	5.5	3.5	6.5	4.5	3.4	6.5	4	M3	11	0.1
FK08	8	23	9	14	26	28	43	35	35	7	4	8	5	3.4	6.5	4	M3	14	0.16
FK10	10	27	10	17	29.5	34	52	42	42	7.5	5	8.5	6	4.5	8	5	M3	16	0.25
FK12	12	27	10	17	29.5	36	54	44	44	7.5	5	8.5	6	4.5	8	5	M4	19	0.26
FK15	15	32	15	17	36	40	63	50	52	10	6	12	8	5.5	9.5	6	M4	22	0.4
FK17	17	45	22	23	47	50	77	62	61	11	9	14	12	6.6	11	10	M4	24	0.85
FK20	20	52	22	30	50	57	85	70	68	8	10	12	14	6.6	11	10	M4	30	1.2
FK25	25	57	27	30	60	63	98	80	79	13	10	20	17	9	15	13	M6	35	1.6
FK30	30	62	30	32	61	75	117	95	93	11	12	17	18	11	17.5	15	M6	40	2.38

Note: 1. Diameter tolerance [D] refer to the precision of standard bearing.

2. Specification are subject to change without notice.

8.1.8 FF Series



Part No.	Part name	Qty
1	Housing	1
2	Bearing	1
3	Snap ring	1



Specification	Main dimensions [mm]													Weight [kg]
	d1	L	H	F	D [Note 1]	A	PCD	B	X	Y	Z	Bearing	Snap ring	
FF06	6	10	6	4	22	36	28	28	3.4	6.5	4	606ZZ	S06	0.08
FF10	8	12	7	5	28	43	35	35	3.4	6.5	4	608ZZ	S08	0.1
FF12	10	15	7	8	34	52	42	42	4.5	8	4	6000ZZ	S10	0.15
FF15	15	17	9	8	40	63	50	52	5.5	9.5	5.5	6002ZZ	S15	0.22
FF17	17	20	11	9	50	77	62	61	6.6	11	6.5	6203ZZ	S17	0.35
FF20	20	20	11	9	57	85	70	68	6.6	11	6.5	6204ZZ	S20	0.45
FF25	25	24	14	10	63	98	80	79	9	14	8.5	6205ZZ	S25	0.66
FF30	30	27	18	9	75	117	95	93	11	17	11	6206ZZ	S30	1.05

Note: 1. Diameter tolerance [D] refer to the precision of standard bearing.

2. Specification are subject to change without notice.

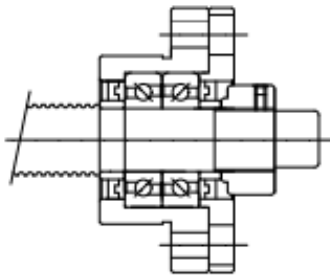
Internal Diameter (mm)	Type					Bearing	Available Axial Force (kN)	Max. Radial Load (kN)
	BK	LK	FK	EK	AK			
Φ 6	-	-	FK06	EK06	-	706A	0.73	1.6
Φ 8	-	LK08	FK08	EK08	-	708A	1	2.9
Φ 10	BK10	LK10	FK10	EK10	AK10	7000A	1.9	5.2
Φ 12	BK12	LK12	FK12	EK12	AK12	7001A	2.1	6
Φ 15	BK15	LK15	FK15	EK15	AK15	7002A	2.4	6.9
Φ 17	BK17	-	FK17	-	-	7203A	4.1	12
Φ 20	BK20	-	-	-	-	7004A	4.2	13.2
Φ 20	-	-	FK20	EK20	AK20	7204A	5.8	16.6
Φ 20	-	-	FK20B	EK20B	AK20B	7204B	6.8	15.6
Φ 25	BK25	-	FK25	-	AK25	7205A	7	20.6
Φ 25	BK25B	-	FK25B	-	AK25B	7205B	8	18.8
Φ 30	BK30	-	FK30	-	-	7206A	9.8	29.6
Φ 30	BK30B	-	FK30B	-	-	7206B	10.5	27
Φ 35	BK35	-	-	-	-	7207B	14.4	36.8
Φ 40	BK40	-	-	-	-	7208B	18	46

Note: 1. P5 bearing is used in C3 and C5 support unit; P0 bearing is used in C7 support unit.

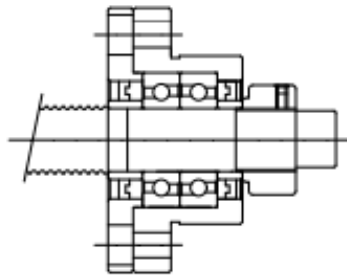
2. Applied in light resultant axial force.

Internal Diameter (mm)	Type						Bearing	Basic Static Load, C0 (kN)	Basic Dynamic Load, C (kN)
	BF	LF	LFA	FF	EF	AF			
Φ 5	-	-	-	FK05(C7)	EK05(C7)	-	605	0.5	1.3
Φ 6	-	LF08	-	FF06	EF06 EF08	-	606ZZ	0.8	2.2
Φ 8	BF10	-	-	FF10	EF10	AF10	608ZZ	1.3	3.3
Φ 10	BF12	LF10	-	FF12	EF12	AF12	6000ZZ	1.9	4.5
Φ 12	-	-	LFA12	-	-	-	6801ZZ	1	1.9
Φ 15	BF15	LF15	-	FF15	EF15	AF15	6002ZZ	2.8	5.6
Φ 15	-	-	LFA15	-	-	-	6902ZZ	2.2	4.3
Φ 17	BF17	-	-	FF17	-	-	6203ZZ	4.8	9.5
Φ 20	BF20	-	-	-	-	-	6004ZZ	5	9.4
Φ 20	-	-	-	FF20	EF20	AF20	6204ZZ	6.6	12.8
Φ 20	-	-	LFA20	-	-	-	6804ZZ	2.4	4
Φ 25	-	-	LFA25	-	-	-	6005ZZ	5.8	10.1
Φ 25	BF25	-	-	FF25	-	AF25	6205ZZ	7.8	14
Φ 30	BF30	-	-	FF30	-	-	6206ZZ	11.3	19.5
Φ 35	BF35	-	-	-	-	-	6207ZZ	15.3	25.7
Φ 40	BF40	-	-	-	-	-	6208ZZ	17.9	29.1

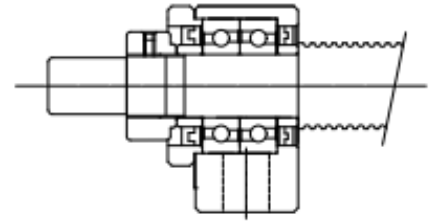
• Fixed Side - FK, EK, AK, LK Series



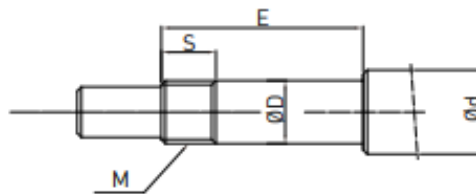
FK series mounting way A



FK series mounting way B



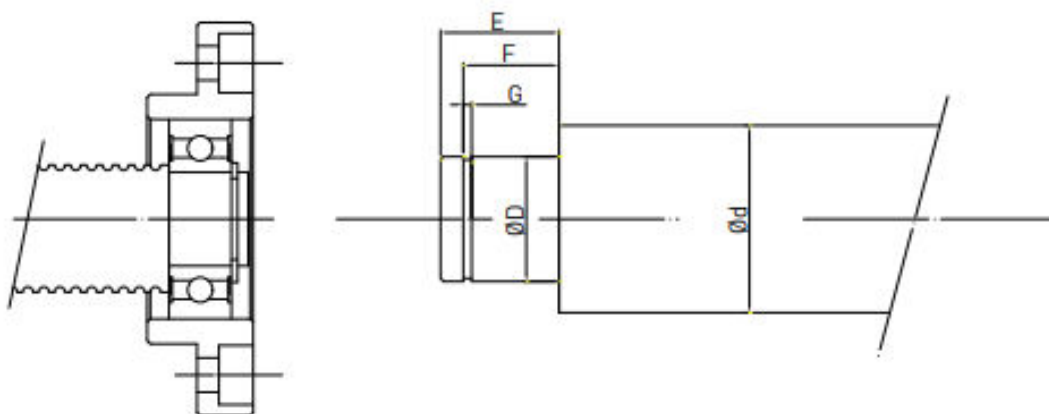
EK, AK, LK series
mounting way B



Specification				Main dimensions (mm)				
FK	EK	AK	LK	d	D	E	M	S
FK05	EK05	-	-	8	5	23	M5 x 0.5	7
FK06	EK06	-	-	8	6	28	M6 x 0.75	8
FK08	EK08	-	LK08	10-12	8	32	M8 x 1	10
FK10	EK10	AK10	LK10	10-15	10	36	M10 x 1	12
FK12	EK12	AK12	LK12	14-18	12	36	M12 x 1	12
FK15	EK15	AK15	LK15	20	15	48	M15 x 1	13
FK17	-	-	-	25-28	17	59	M17 x 1	17
FK20	EK20	AK20	-	25-28	20	64	M20 x 1	16
FK25	-	AK25	-	30-36	25	76	M25 x 1.5	20
FK30	-	-	-	40	30	73	M30 x 1.5	25

Note: This chart is the suggestive specification(E,S,M) for ball screw end machining to match with the support units, for the rest of the specifications please refer to the ball screw manual.

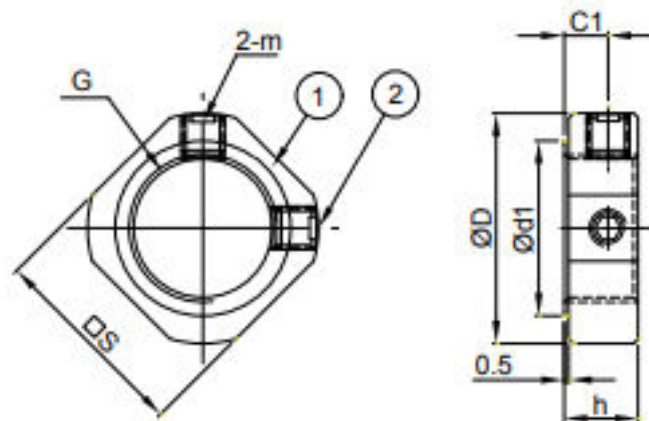
• Supported Side



Specification					Main dimensions (mm)				
FF	EF	BF	AF	LF	d	D	E	F	G
FF06	EF06	-	-	-	8	6	9	6.8	0.8
-	EF08	-	-	LF08	10-12	6	9	6.8	0.8
FF10	EF10	BF10	AF10	-	10-15	8	10	7.9	0.9
FF12	EF12	BF12	AF12	-	14-18	10	11	9.15	1.15
FF15	EF15	BF15	AF15	LF12	20	15	13	10.15	1.15
FF17	-	BF17	-	LF15	25-28	17	16	13.15	1.15
FF20	EF20	(BF20)	AF20	-	25-28	20	19(16)	15.35(13.35)	1.35
FF25	-	BF25	AF25	-	30-36	25	20	16.35	1.35
FF30	-	BF30	-	-	40	30	21	17.75	1.75
-	-	BF35	-	-	45	35	22	18.75	1.75
-	-	BF40	-	-	50	40	23	19.95	1.95

Note: This chart is the suggestive specification(E,F,G) for ball screw end machining to match with the support units, for the rest of the specifications please refer to the ball screw manual.

8.1.13 Standard Lock Nut



Part No.	Part name	Qty
1	Lock Nut	1
2	Hexagonal socket-head setscrew with set piece	2



Specification	Main dimensions (mm)							Tightening Torque (N-m)
	D	h	d1	m	c1	G	s	
M5 x 0.5	12.5	5	8	M3	2.7	M5 x 0.5	11	2
M6 x 0.75	13.5	5	9	M3	2.7	M6 x 0.75	12	3
M8 x 1.0	16	6.5	11	M3	4	M8 x 1.0	14	7
M10 x 1.0	19	8	13	M3	5.5	M10 x 1.0	16	13
M12 x 1.0	22	8	16	M4	5.5	M12 x 1.0	19	18
M15 x 1.0	25	8	19	M4	4.75	M15 x 1.0	22	28
M17 x 1.0	29	13	21	M4	9	M17 x 1.0	24	50
M20 x 1.0	35	11	27	M4	7	M20 x 1.0	30	80
M25 x 1.5	43	15	32	M6	10	M25 x 1.5	35	145
M30 x 1.5	48	20	37	M6	14	M30 x 1.5	40	280
M35 x 1.5	60	21	47	M6	14	M35 x 1.5	50	400
M40 x 1.5	62	25	47	M6	18	M40 x 1.5	50	620

4. Heavy Load Support Unit

4.1 Introduction

Heavy Load Bearing Supports have excellent axial loading capabilities and can be applied in a wide range of industrial machines. The WBK utilizes 60-degree angular contact bearings, it handles higher axial load and high stiffness.

Rotation precision grade is P4 to meet positioning accuracy.

The heavy load bearing supports have three configuration types: DF, DFD, and DFF. DF is for general use and can bear both normal and opposite axial forces. DFD uses one bearing on one side and two on the opposite side, to enhance the loading capacity. DFF uses two bearings in both directions to increase each sides loading capacity. Customers can choose from different configuration types based on the axial loading capabilities needed for the application.

4.2 Specification

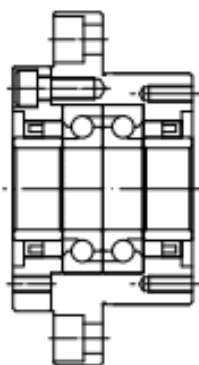


WBK : Bearing Support Type. WBK is the heavy load support unit for ballscrews.

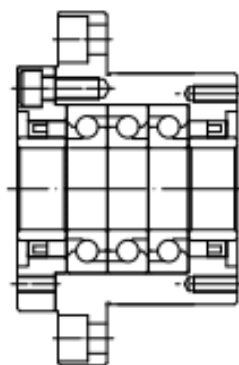
△△ : Bore diameter in millimeters (mm). Ex. 30 indicates a bore diameter of 30mm.

◇◇ : Bearing Configuration Type. There are three types which are DF, DFD, and DFF.

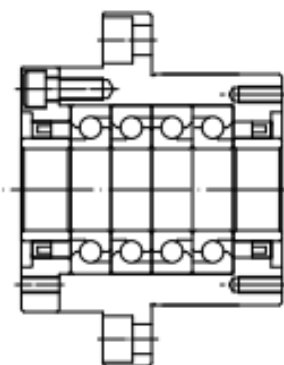
Type



DF Type



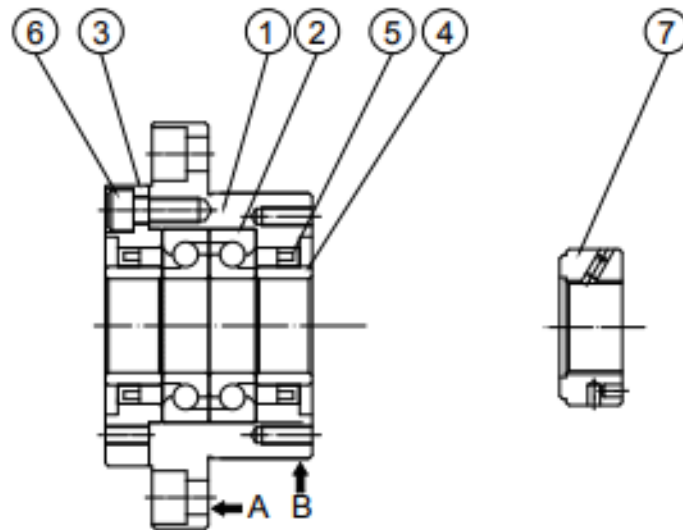
DFD Type



DFF Type

Note: Please contact HIWIN if the other combination types, like DB, are needed.

Heavy Load Support Unit composition



Number	Item	Quantity
1	Bearing housing	1
2	Bearing	1 set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Set Screw	6 or 8
7	Lock Nut	1

Note:1. Please use plane A and B as the datum plane while installing the support unit.

2. Please DO NOT disassemble items 1, 2, 3, 5 to avoid affecting accuracy.

3. Lubrication #2 Li/Ca soap grease is applied, please contact HIIWN engineers when special modifications are needed.

4.5 Dimensions for Heavy Load Support Unit

Bore Dia. (mm)	Spec.	Basic Axial Dynamic Load (kN)	Permissible Axial Load (kN)		Preload (kN)	Rigidity (N/ μm)	Max Torque (N/m)
			Normal	Opposite			
Φ 15	WBK 15 DF	21.9	26.6	26.6	2.15	750	0.19
Φ 17	WBK 17 DF	21.9	26.6	26.6	2.15	750	0.19
Φ 20	WBK 20 DF	21.9	26.6	26.6	2.15	750	0.19
Φ 25	WBK 25 DF	28.5	40.5	40.5	3.15	1000	0.29
	WBK 25 DFD	46.5	81.5	40.5	4.3	1470	0.39
	WBK 25 DFF	46.5	81.5	81.5	6.3	1960	0.49
Φ 30	WBK 30 DF	29.2	43	43	3.35	1030	0.3
	WBK 30 DFD	47.5	86	43	4.5	1520	0.4
	WBK 30 DFF	47.5	86	86	6.7	2010	0.5
Φ 35	WBK 35 DF	31	50	50	3.8	1180	0.34
	WBK 35 DFD	50.5	100	50	5.2	1710	0.45
	WBK 35 DFF	50.5	100	100	7.65	2350	0.59
Φ 40	WBK 40 DF	31.5	52	52	3.9	1230	0.36
	WBK 40 DFD	51.5	104	52	5.3	1810	0.47
	WBK 40 DFF	51.5	104	104	7.85	2400	0.61

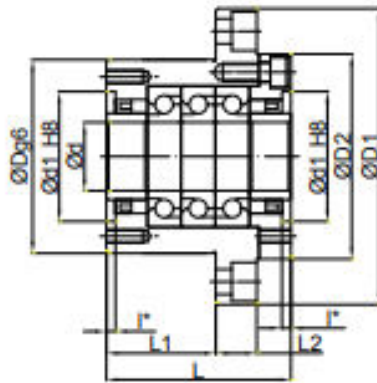
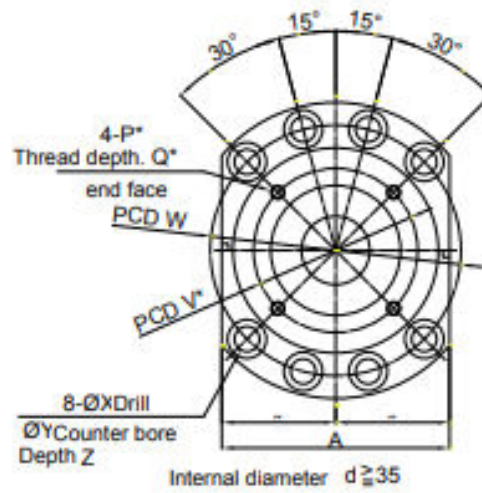
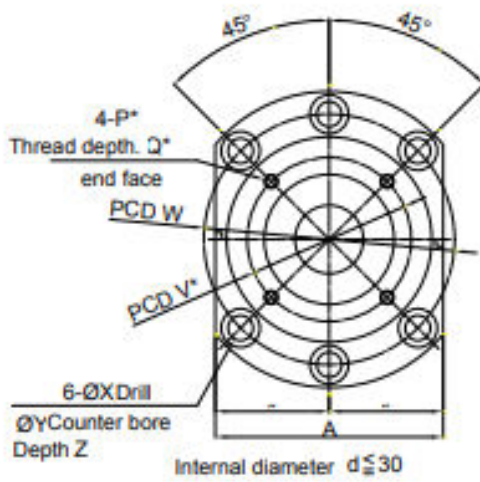
Note: 1. 60° contact angle Ballscrew Bearings are adopted.

2. Surface blackening treatment. Please contact us when other surface treatments are needed.

5. Shaft Diameters Available for Support Unit

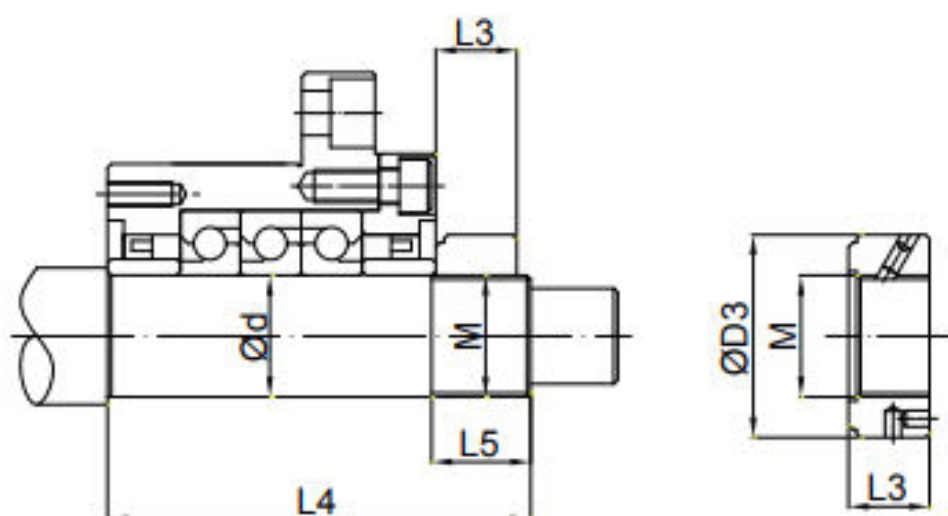
Ballscrew Dia.(mm)	Bearing Support Spec.											
	Fixed Side						Supported Side					
	BK	AK	EK	FK	LK	WBK	BF	AF	EF	FF	LF	LFA
Φ 8	-	-	EK06	FK06	-	-	-	-	EF06	FF06	-	-
Φ 10- Φ 12	-	-	EK08	FK08	LK08	-	-	-	EF08	FF06	LF08	LFA 12
Φ 10- Φ 15	BK10	AK10	EK10	FK10	LK10	-	BF10	AF10	EF10	FF10	LF12	LFA 15
Φ 14- Φ 18	BK12	AK12	EK12	FK12	LK12	-	BF12	AF12	EF12	FF12	LF12	LFA 15
Φ 20	BK15	AK15	EK15	FK15	LK15	WBK 15	BF15	AF15	EF15	FF15	LF15	LFA 20
Φ 25- Φ 28	BK17	-	-	FK17	-	WBK 17	BF17	-	-	FF17	-	-
	BK20	AK20	EK20	FK20	-	WBK 20	BF20	AF20	EF20	FF20	-	LFA 25
Φ 30- Φ 36	BK25	AK25	-	FK25	-	WBK 25	BF25	AF25	-	FF25	-	
Φ 40	BK30	-	-	FK30	-	WBK 30	BF30	-	-	FF30	-	
Φ 45	BK35	-	-	-	-	WBK 35	BF35	-	-	-	-	
Φ 50	BK40	-	-	-	-	WBK 40	BF40	-	-	-	-	

WBK Series

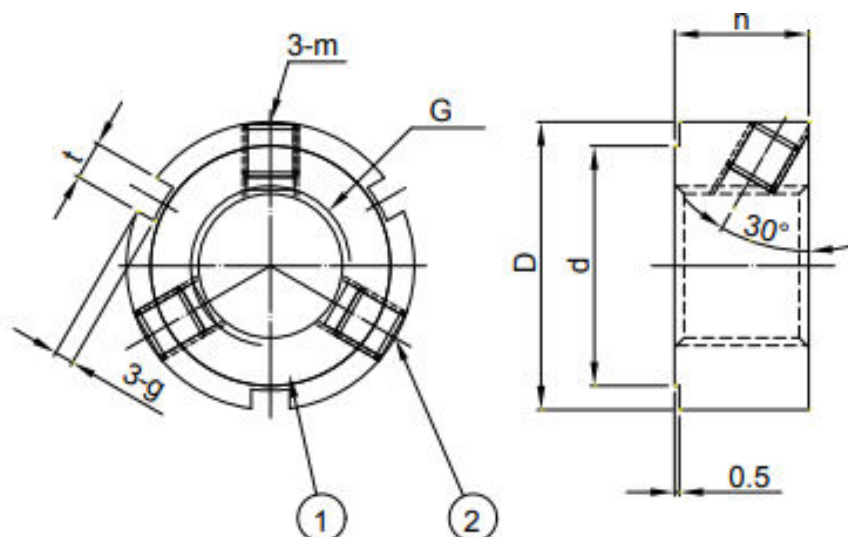


Specification	Main dimensions (mm)																	
	d1	Dg6	D1	D2	L	L1	L2	A	W	X	Y	Z	d1 H8	I*	V*	P*	Q*	Weight (kg)
WBK15 DF	15	70 ^{-0.01/-0.029}	106	72	60	32	15	80	88	9	14	8.5	45 ^{+0.039/-0}	3	58	M5	10	1.9
WBK17 DF	17	70 ^{-0.01/-0.029}	106	72	60	32	15	80	88	9	14	8.5	45 ^{+0.039/-0}	3	58	M5	10	1.9
WBK20 DF	20	70 ^{-0.01/-0.029}	106	72	60	32	15	80	88	9	14	8.5	45 ^{+0.039/-0}	3	58	M5	10	1.9
WBK25 DF	25	85 ^{-0.012/-0.034}	130	90	66	33	18	100	110	11	17.5	11	57 ^{+0.046/-0}	4	70	M6	12	3.1
WBK25 DFD					81	48												3.4
WBK25 DFF					96	48												3.8
WBK30 DF	30	85 ^{-0.012/-0.034}	130	90	66	33	18	100	110	11	17.5	11	57 ^{+0.046/-0}	4	70	M6	12	3
WBK30 DFD					81	48												3.3
WBK30 DFF					96	48												3.8
WBK35 DF	35	95 ^{-0.012/-0.034}	142	102	66	33	18	106	121	11	17.5	11	69 ^{+0.046/-0}	4	80	M6	12	3.4
WBK35 DFD					81	48												4.3
WBK35 DFF					96	48												5
WBK40 DF	40	95 ^{-0.012/-0.034}	142	102	66	33	18	106	121	11	17.5	11	69 ^{+0.046/-0}	4	80	M6	12	3.6
WBK40 DFD					81	48												4.2
WBK40 DFF					96	48												5.7

* Specification are subject to change without notice.



Internal diameter [mm]	Specification	Lock Nut			Support base installation part		
		M	D3	L3	d	L4	L5
Φ 15	WBK15 DF	M15	30	14	15	81	23
Φ 17	WBK17 DF	M17	32	16	17	81	23
Φ 20	WBK20 DF	M20	38	16	20	81	23
Φ 25	WBK25 DF	M25	38	18	25	89	26
	WBK25 DFD					104	
	WBK25 DFF					119	
Φ 30	WBK30 DF	M30	45	18	30	89	26
	WBK30 DFD					104	
	WBK30 DFF					119	
Φ 35	WBK35 DF	M35	52	18	35	92	30
	WBK35 DFD					107	
	WBK35 DFF					122	
Φ 40	WBK40 DF	M40	58	20	40	92	30
	WBK40 DFD					107	
	WBK40 DFF					122	



Part No.	Part name	Qty
1	Lock Nut	1
2	Hexagonal socket-head setscrew with set piece	3



Specification	Main dimensions (mm)							Tightening Torque (N-m)
	D	h	d	g	t	m	G	
M15 x 1.0	30	14	25	2	4	M5	M15 x 1.0	52
M17 x 1.0	32	16	27	2	4	M5	M17 x 1.0	74
M20 x 1.0	38	16	33	2	4	M6	M20 x 1.0	118
M25 x 1.5	38	18	33	2	5	M6	M25 x 1.5	188
M30 x 1.5	45	18	40	2	5	M6	M30 x 1.5	260
M35 x 1.5	52	18	47	2	5	M8	M35 x 1.5	340
M40 x 1.5	58	20	52	2.5	6	M8	M40 x 1.5	500

