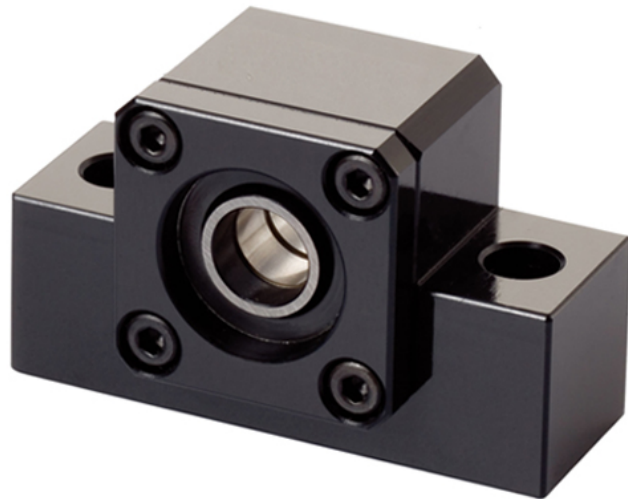
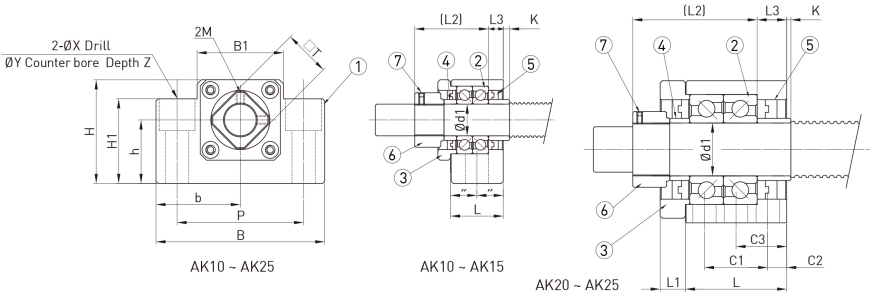




Standard Support Unit:

Standard Support Units are used in automation and industrial machinery. The support units can be classified into 2 types: fixed-end(AK, BK, EK, FK, LK), and supported-end(AF, BF, EF, FF, LF, LFA).

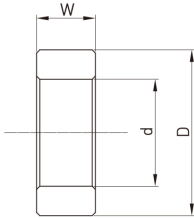
Prefix and Corresponding Description For Standard Support Unit	
Prefix	Description of Prefix
Fixed – end (AK, BK, EK, FK, LK). Supported - end (AF, BF, EF, FF, LF, LFA).	Product Code
(10, 12, 15.....40)	Nominal Size of Bearing Bore
Suffix and Corresponding Description For Standard Support Unit	
Suffix	Description of Suffix
C3, C5, C7	Precision Level



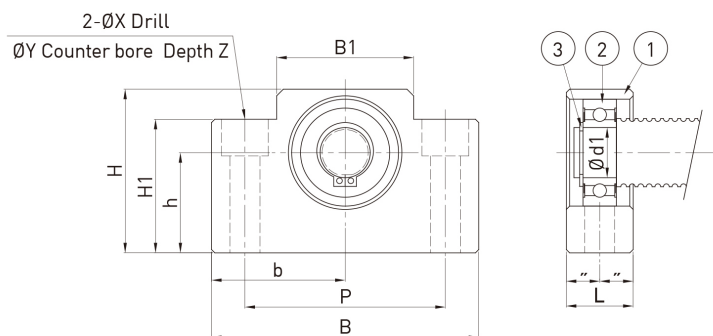
Part No.	Part Name	Qty
1	Housing	1
2	Bearing	1 set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Set screw	1
7	Hexagonal Socket-Head Setscrew with set piece	2

Part Number	Main Dimensions (mm)																					
	d ₁	L	L ₁	L ₂	L ₃	K	B	H	b (Note 1)	h (Note 1)	B ₁	H ₁	P	X	Y	Z	M	T	C ₁	C ₂	C ₃	Weight (kg)
AK10	10	24	6	29.5	6	-0.5	70	43	35	25	36	35	52	9	14	11	M3	16	-	-	-	0.5
AK12	12	24	6	29.5	6	-0.5	70	43	35	25	36	35	52	9	14	11	M4	19	-	-	-	0.5
AK15	15	25	6	36	5	5	80	49	40	30	41	40	60	11	17	15	M4	22	-	-	-	0.65
AK20	20	42	10	50	10	1	95	58	47.5	30	56	45	75	11	17	15	M4	30	22	10	-	1.45
AK25	25	48	12	59	14	0	105	68	52.5	35	66	25	85	11	-	-	M6	35	30	9	24	1.92

Part Number	Collar Dimensions (mm)		
	d	D	W
AK10	10	15.5	5.5
AK12	12	15.5	5.5
AK15	15	19.7	10
AK20	20	25.5	11
AK25	25	29.5	14



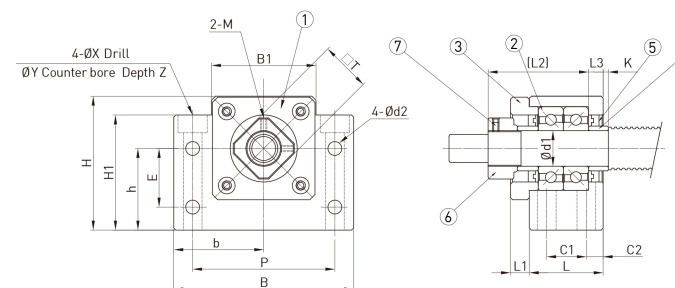
Ball Screw Support Unit AF**



Part No.	Part Name	Qty
1	Housing	1
2	Bearing	1
3	Snap Ring	1

Part Number	Main Dimensions (mm)														Snap Ring	Weight (kg)
	d ₁	L	B	H	b (Note 1)	h (Note 1)	B ₁	H ₁	P	X	Y	Z				
AF10	8	20	70	43	35	25	36	35	52	9	14	11	S08	0.37		
AF12	10	20	70	43	35	25	36	35	52	9	14	11	S10	0.37		
AF15	15	20	80	49	40	30	41	40	60	9	14	11	S15	0.45		
AF20	20	26	95	58	47.5	30	56	45	75	11	17	15	S20	0.75		
AF25	25	30	105	68	52.5	35	66	25	85	11	-	-	S25	0.95		

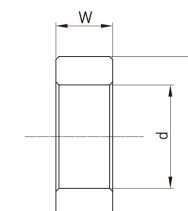
Ball Screw Support Unit BK**



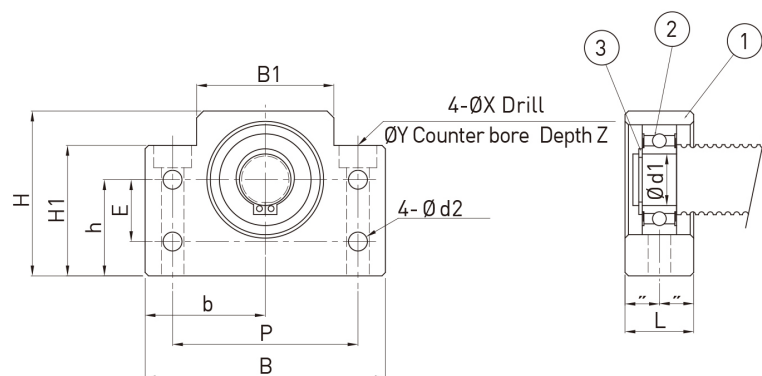
Part No.	Part Name	Qty
1	Housing	1
2	Bearing	1 set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Set screw	1
7	Hexagonal Socket-Head Setscrew with set piece	2

Part Number	Main Dimensions (mm)																						
	d ₁	L	L ₁	L ₂	L ₃	K	B	H	b (Note 1)	h (Note 1)	B ₁	H ₁	E	P	C ₁	C ₂	d ₂	X	Y	Z	M	T	Weight (kg)
BK10	10	25	5	29.5	5	0.5	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	0.5	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	0	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	0	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	0	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	0	106	80	53	48	64	70	33	85	22	10	9	11	17	11	M6	35	2.4
BK30	30	45	14	61	9	0	128	89	64	51	76	78	33	102	23	11	11	14	20	13	M6	40	3.4
BK35	35	50	14	67	12	0	140	96	70	52	88	79	35	114	26	12	11	14	20	13	M6	50	4.4
BK40	40	61	18	76	15	0	160	110	80	60	100	90	37	130	33	14	14	18	26	17.5	M6	50	6.8

Part Number	Collar Dimensions (mm)		
	d	D	W
BK10	10	15.5	5.5
BK12	12	15.5	5.5
BK15	15	19.7	6
BK17	17	24.5	7
BK20	20	25.5	8
BK25	25	29.5	9
BK30	30	37.5	9
BK35	35	49.7	12
BK40	40	52.5	15



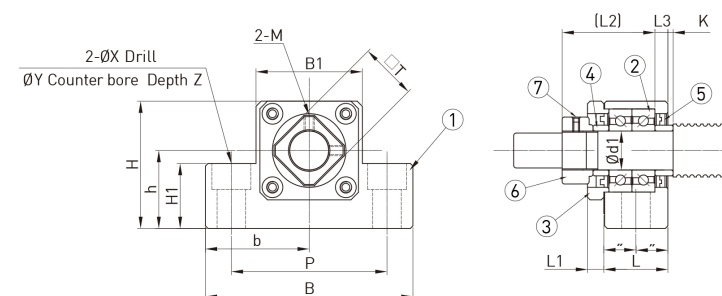
Ball Screw Support Unit BF**



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

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

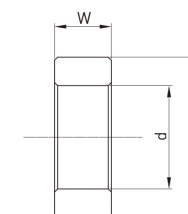
Ball Screw Support Unit EK**

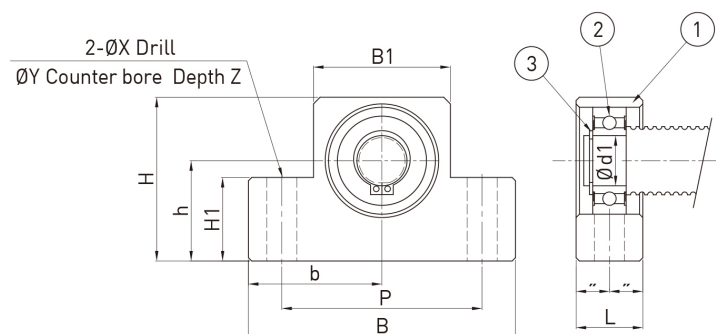


Part No.	Part name	Qty
1	Housing	1
2	Bearing	1 set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Set screw	1
7	Hexagonal Socket-Head setscrew with set piece	2

Part Number	Main Dimensions (mm)																		
	d ₁	L	L ₁	L ₂	L ₃	K	B	H	b (Note 1)	h (Note 1)	B ₁	H ₁	P	X	Y	Z	M	T	Weight (kg)
EK05	5	16.5	-	18.5	3.5	0	36	21	18	11	20	8	28	4.5	-	-	M3	11	0.12
EK06	6	20	-	22	3.5	1.5	42	25	21	13	18	20	30	5.5	9.5	11	M3	12	0.18
EK08	8	23	-	26	4	1.5	52	32	26	17	25	26	38	6.6	11	12	M3	14	0.27
EK10	10	24	6	29.5	6	-0.5	70	43	35	25	36	24	52	9	-	-	M3	16	0.47
EK12	12	24	6	29.5	6	-0.5	70	43	35	25	36	24	52	9	-	-	M4	19	0.45
EK15	15	25	6	36	5	5	80	49	40	30	41	25	60	11	-	-	M4	22	0.6
EK20	20	42	10	50	10	1	95	58	47.5	30	56	25	75	11	-	-	M4	30	1.35

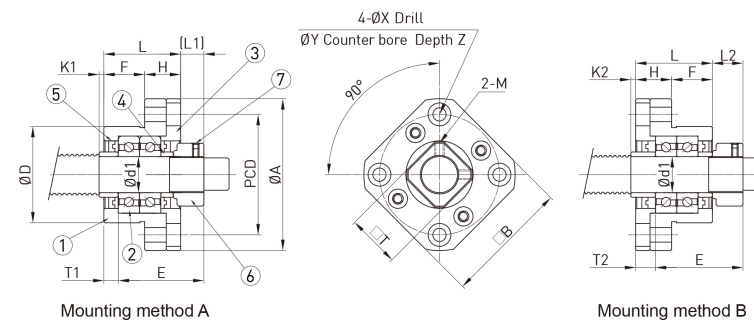
Part Number	Collar Dimensions (mm)		
	d	D	W
EK05	5	8	3.5
EK06	6	9.7	5
EK08	8	11.7	5.5
EK10	10	15.5	5.5
EK12	12	15.5	5.5
EK15	15	19.7	10
EK20	20	25.5	11





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

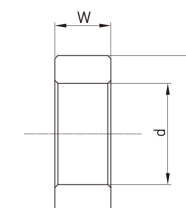
Part Number	Main Dimensions (mm)														
	d ₁	L	B	H	b (Note 1)	h (Note 1)	B ₁	H ₁	P	X	Y	Z	Snap Ring	Weight (kg)	
EF06	6	12	42	25	21	13	18	20	30	5.5	9.5	11	S06	0.1	
EF08	6	14	52	32	26	17	25	26	38	6.6	11	12	S06	0.16	
EF10	8	20	70	43	35	25	36	24	52	9	-	-	S08	0.35	
EF12	10	20	70	43	35	25	36	24	52	9	-	-	S10	0.35	
EF15	15	20	80	49	40	30	41	25	60	9	-	-	S15	0.4	
EF20	20	26	95	58	47.5	30	56	25	75	11	-	-	S20	0.65	

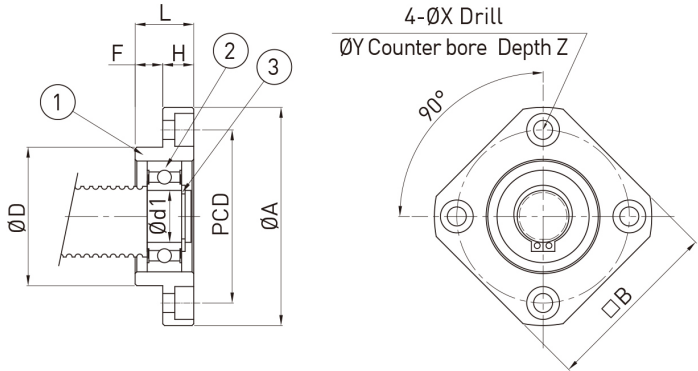


Part No.	Part Name	Qty
1	Housing	1
2	Bearing	1 set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Set screw	1
7	Hexagonal Socket-Head Setscrew with set piece	2

Part Number	Main Dimensions (mm)																				
	d ₁	L	H	F	E	D (Note 1)	A	PCD	B	Mounting			Mounting			X	Y	Z	M	T	Weight (kg)
										Method A			Method B								
										L ₁	T ₁	K ₁	L ₂	T ₂	K ₂						
FK05	5	16.5	6	10.5	18.5	20	34	26	26	5.5	3.5	0	5	3	0.5	3.4	6.5	4	M3	11	0.1
FK06	6	20	7	13	22	22	36	28	28	5.5	3.5	1.5	6.5	4.5	0.5	3.4	6.5	4	M3	12	0.1
FK08	8	23	9	14	26	28	43	35	35	7	4	1.5	8	5	0.5	3.4	6.5	4	M3	14	0.16
FK10	10	27	10	17	29.5	34	52	42	7.5	5	0.5	8.5	6	-0.5	4.5	8	5	M3	16	0.25	
FK12	12	27	10	17	29.5	36	54	44	44	7.5	5	0.5	8.5	6	-0.5	4.5	8	5	M4	19	0.26
FK15	15	32	15	17	36	40	63	50	52	10	6	4	12	8	2	5.5	9.5	6	M4	22	0.4
FK17	17	45	22	23	47	50	77	62	61	11	9	1	14	12	-2	6.6	11	10	M4	24	0.85
FK20	20	52	22	30	50	57	85	70	68	8	10	1	12	14	-3	6.6	11	10	M4	30	1.2
FK25	25	57	27	30	60	63	98	80	79	13	10	5	20	17	-9	9	15	13	M6	35	1.6
FK30	30	62	30	32	61	75	117	95	93	11	12	-3	17	18	-9	11	17.5	15	M6	40	2.36

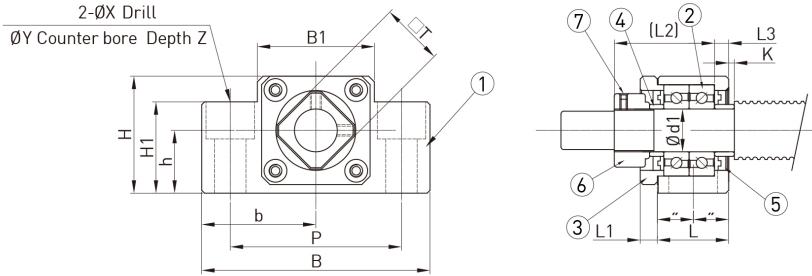
Part Number	Collar Dimensions (mm)		
	d	D	W
FK05	5	8	3.5
FK06	6	9.7	5
FK08	8	11.7	5.5
FK10	10	15.5	5.5
FK12	12	15.5	5.5
FK15	15	19.7	10
FK17	17	24.5	10
FK20	20	25.5	11
FK25	25	29.5	15
FK30	30	37.5	9





Part No.	Part Name	Qty
1	Housing	1
2	Bearing	1
3	Snap Ring	1

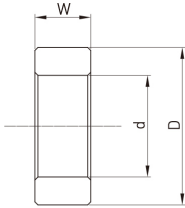
Part Number	Main Dimensions (mm)												
	d ₁	L	H	F	D (Note 1)	A	PCD	B	X	Y	Z	Snap Ring	Weight (kg)
FF06	6	10	6	4	22	36	28	28	3.4	6.5	4	S06	0.08
FF10	8	12	7	5	28	43	35	35	3.4	6.5	4	S08	0.1
FF12	10	15	7	8	34	52	42	42	4.5	8	4	S10	0.15
FF15	15	17	9	8	40	63	50	52	5.5	9.5	5.5	S15	0.22
FF17	17	20	11	9	50	77	62	61	6.6	11	6.5	S17	0.35
FF20	20	20	11	9	57	85	70	68	6.6	11	6.5	S20	0.45
FF25	25	24	14	10	63	98	80	79	9	14	8.5	S25	0.66
FF30	30	27	18	9	75	117	95	93	11	17	11	S30	1.05



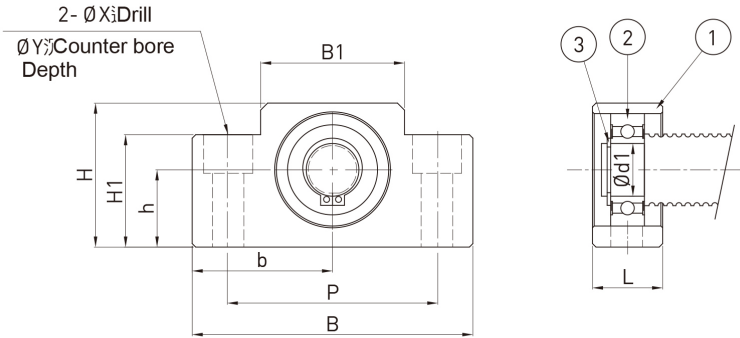
Part No.	Part Name	Qty
1	Housing	1
2	Bearing	1set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Set screw	1
7	Hexagonal Socket-Head Setscrew with set piece	2

Part Number	Main Dimensions (mm)																		
	d ₁	L	L ₁	L ₂	L ₃	K	B	H	b (Note 1)	h (Note 1)	B ₁	H ₁	P	X	Y	Z	M	T	Weight (kg)
LK08	8	22.5	-	26	3.5	2	62	31	31	15.5	30	25.5	46	9	14	12.5	M3	14	0.28
LK10	10	24	6	29.5	6	-0.5	70	38	35	20	36	30	52	9	14	10	M3	16	0.44
LK12	12	24	6	29.5	6	-0.5	70	38	35	20	36	30	52	9	14	10	M4	19	0.42
LK15	15	25	6	36	5	5	80	41	40	22	41	32	60	11	17	13	M4	22	0.51

Part Number	Collar Dimensions (mm)		
	d	D	W
LK08	8	11.7	5.5
LK10	10	15.5	5.5
LK12	12	15.5	5.5
LK15	15	19.7	10



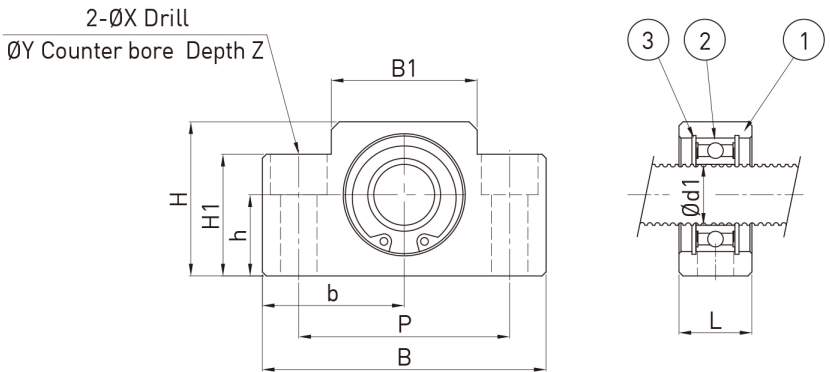
Ball Screw Support Unit LF**



Part No.	Part Name	Qty
1	Housing	1
2	Bearing	1
3	Snap Ring	1

Part Number	Main Dimensions (mm)													
	d ₁	L	B	H	b (Note 1)	h (Note 1)	B ₁	H ₁	P	X	Y	Z	Snap Ring	Weight (kg)
LF08	6	16	62	31	31	15.5	30	25.5	46	9	14	12.5	S06	0.19
LF12	10	20	70	38	35	20	36	30	52	9	14	10	S10	0.3
LF15	15	20	80	41	40	22	41	32	60	9	14	11	S15	0.35

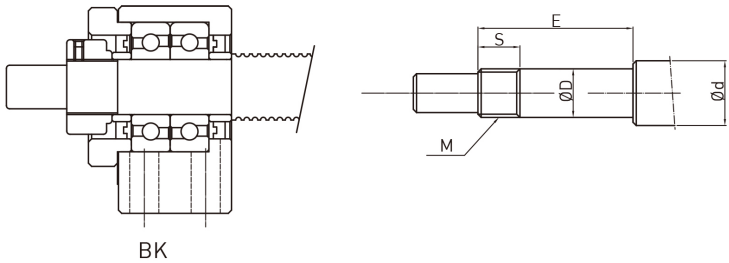
Ball Screw Support Unit LFA**



Part No.	Part Name	Qty
1	Housing	1
2	Bearing	1
3	Snap Ring	2

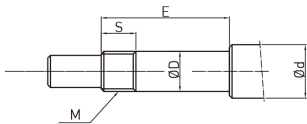
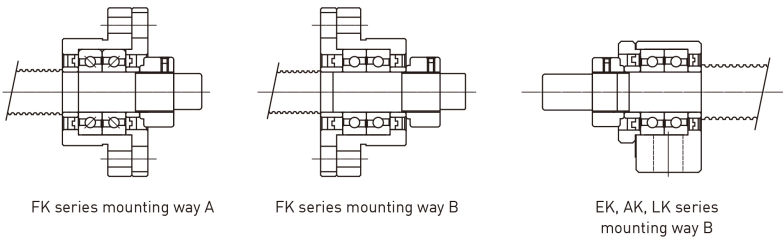
Part Number	Main Dimensions (mm)														Snap Ring	Weight (kg)
	d ₁	L	B	H	b (Note 1)	h (Note 1)	B ₁	H ₁	P	X	Y	Z				
LFA12	12	18	62	31	31	15.5	30	25.5	46	9	14	12.5	R21	0.2		
LFA15	15	18	70	38	35	20	36	30	52	9	14	10	R28	0.26		
LFA20	20	22	80	41	40	22	41	32	60	11	17	13	R32	0.35		
LFA25	25	22	95	58	47.5	30	56	45	75	11	17	15	R47	0.61		

Suggestive Machining Dimension for Support Units
Fixed Side - BK Series

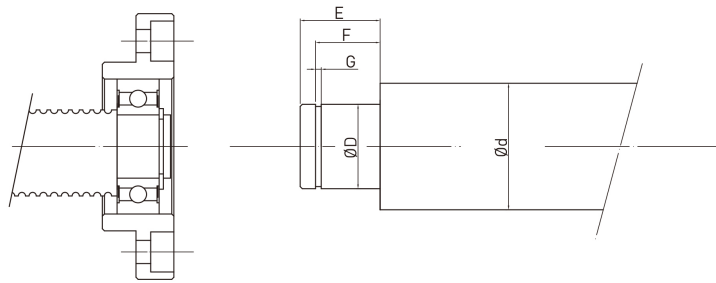


Part Number	Main Dimensions (mm)				
	d	D	E	M	S
BK10	10-15	10	36	M10 x 1	12
BK12	14-18	12	36	M12 x 1	12
BK15	20	15	40	M15 x 1	12
BK17	25-28	17	53	M17 x 1	17
BK20	25-28	20	53	M20 x 1	15
BK25	30-36	25	66	M25 x 1.5	20
BK30	40	30	73	M30 x 1.5	25
BK35	45	35	82	M30 x 1.5	26
BK40	50	40	94	M40 x 1.5	30

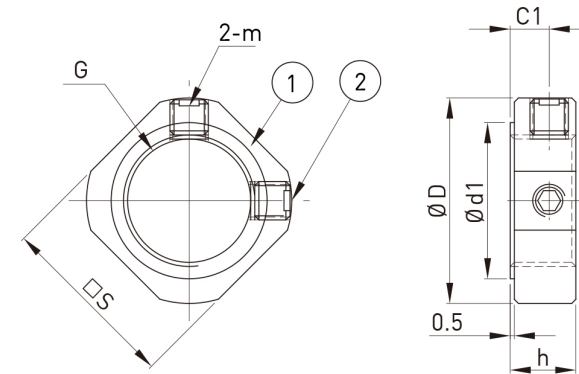
Fixed Side - FK, EK, AK, LK Series



Part Number				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



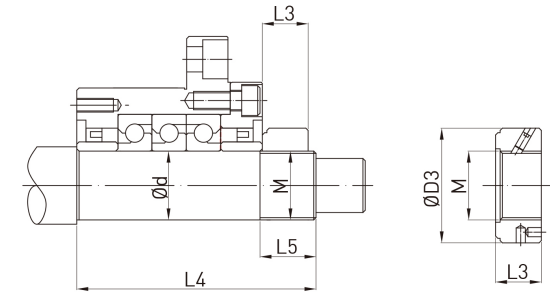
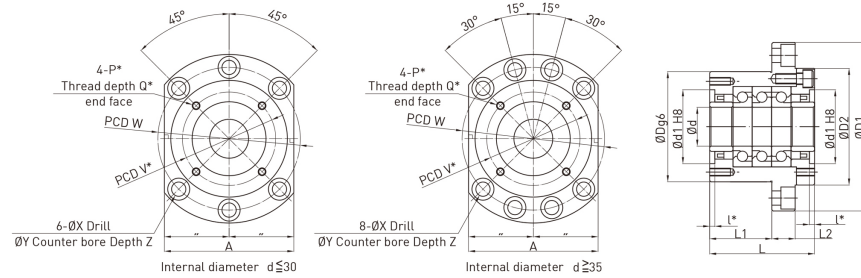
Part Number					Main Dimensions (mm)				
FF	EF	BF	AF	LF	d	D	E	F	G
FF06	EF06	-	-	-	8	6	9	6.8	0.8
-	EF08	-	-	LF08	10-12	6	9	6.8	0.8
FF10	EF10	BF10	AF10	-	10-15	8	10	7.9	0.9
FF12	EF12	BF12	AF12	-	14-18	10	11	9.15	1.15
FF15	EF15	BF15	AF15	LF12	20	15	13	10.15	1.15
FF17	-	BF17	-	LF15	25-28	17	16	13.15	1.15
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



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

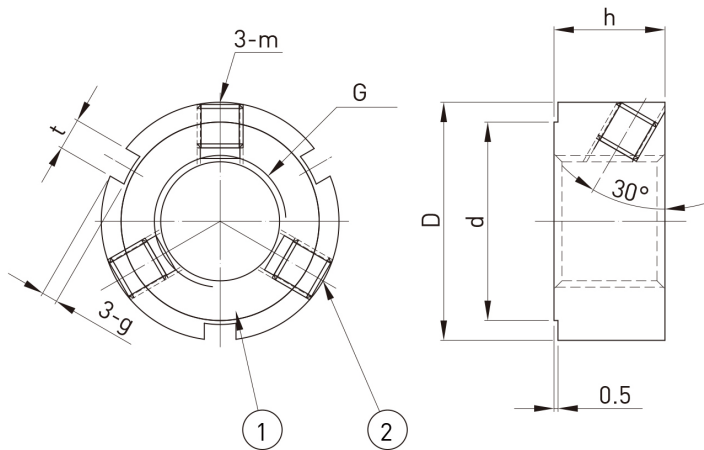
Part Number	Main Dimensions (mm)							
	D	h	d ₁	m	c ₁	G	s	Set screw tightening torque (reference) (N-m)
M5 x 0.5	12.5	5	8	M3	2.7	M5 x 0.5	11	1.5
M6 x 0.75	13.5	5	9	M3	2.7	M6 x 0.75	12	2
M8 x 1.0	16	6.5	11	M3	4	M8 x 1.0	14	2.5
M10 x 1.0	19	8	13	M3	5.5	M10 x 1.0	16	3
M12 x 1.0	22	8	16	M4	5.5	M12 x 1.0	19	6.5
M15 x 1.0	25	8	19	M4	4.75	M15 x 1.0	22	8
M17 x 1.0	29	13	21	M4	9	M17 x 1.0	24	9.5
M20 x 1.0	35	11	27	M4	7	M20 x 1.0	30	17
M25 x 1.5	43	15	32	M6	10	M25 x 1.5	35	21
M30 x 1.5	48	20	37	M6	14	M30 x 1.5	40	32
M35 x 1.5	60	21	47	M6	14	M35 x 1.5	50	48
M40 x 1.5	62	25	47	M6	18	M40 x 1.5	50	72

Heavy Load Support Unit Specification WBK Series



Part Number	Main Dimensions (mm)																		Weight (kg)
	d ₁	Dg6	D ₁	D ₂	L	L ₁	L ₂	A	W	X	Y	Z	d1 H8	I*	V*	P*	Q*		
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	25	85 ^{+0.012} _{-0.034}	130	90	81	48	18	100	110	11	17.5	11	57 ^{+0.046} ₋₀	4	70	M6	12	3.4	
WBK25 DFF	25	85 ^{+0.012} _{-0.034}	130	90	96	48	18	100	110	11	17.5	11	57 ^{+0.046} ₋₀	4	70	M6	12	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	30	85 ^{+0.012} _{-0.034}	130	90	81	48	18	100	110	11	17.5	11	57 ^{+0.046} ₋₀	4	70	M6	12	3.3	
WBK30 DFF	30	85 ^{+0.012} _{-0.034}	130	90	96	48	18	100	110	11	17.5	11	57 ^{+0.046} ₋₀	4	70	M6	12	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	35	95 ^{+0.012} _{-0.034}	142	102	81	48	18	106	121	11	17.5	11	69 ^{+0.046} ₋₀	4	80	M6	12	4.3	
WBK35 DFF	35	95 ^{+0.012} _{-0.034}	142	102	96	48	18	106	121	11	17.5	11	69 ^{+0.046} ₋₀	4	80	M6	12	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	40	95 ^{+0.012} _{-0.034}	142	102	81	48	18	106	121	11	17.5	11	69 ^{+0.046} ₋₀	4	80	M6	12	4.2	
WBK40 DFF	40	95 ^{+0.012} _{-0.034}	142	102	96	48	18	106	121	11	17.5	11	69 ^{+0.046} ₋₀	4	80	M6	12	5.7	

Internal Diameter (mm)	Part Number	Lock Nut			Support Base Installation Part		
		M	D3	L3	d	L4	L5
Ø15	WBK15 DF	M15	30	14	15	81	23
Ø17	WBK17 DF	M17	32	16	17	81	23
Ø20	WBK20 DF	M20	38	16	20	81	23
Ø25	WBK25 DF	M25	38	18	25	89	26
Ø25	WBK25 DFD	M25	38	18	25	104	26
Ø25	WBK25 DFF	M25	38	18	25	119	26
Ø30	WBK30 DF	M30	45	18	30	89	26
Ø30	WBK30 DFD	M30	45	18	30	104	26
Ø30	WBK30 DFF	M30	45	18	30	119	26
Ø35	WBK35 DF	M35	52	18	35	92	30
Ø35	WBK35 DFD	M35	52	18	35	107	30
Ø35	WBK35 DFF	M35	52	18	35	122	30
Ø40	WBK40 DF	M40	58	20	40	92	30
Ø40	WBK40 DFD	M40	58	20	40	107	30
Ø40	WBK40 DFF	M40	58	20	40	122	30



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

Part Number	Main Dimensions (mm)								
	D	h	d	g	t	m	G	Tightening Torque (reference) (N-m)	Set screw tightening torque (reference) (N-m)
M15 x 1.0	30	14	25	2	4	M5	M15 x 1.0	35	3
M17 x 1.0	32	16	27	2	4	M5	M17 x 1.0	42	3
M20 x 1.0	38	16	33	2	4	M6	M20 x 1.0	46	5.2
M25 x 1.5	38	18	33	2	5	M6	M25 x 1.5	87	5.2
M30 x 1.5	45	18	40	2	5	M6	M30 x 1.5	105	5.2
M35 x 1.5	52	18	47	2	5	M8	M35 x 1.5	340	12.5
M40 x 1.5	58	20	52	2.5	6	M8	M40 x 1.5	500	12.5