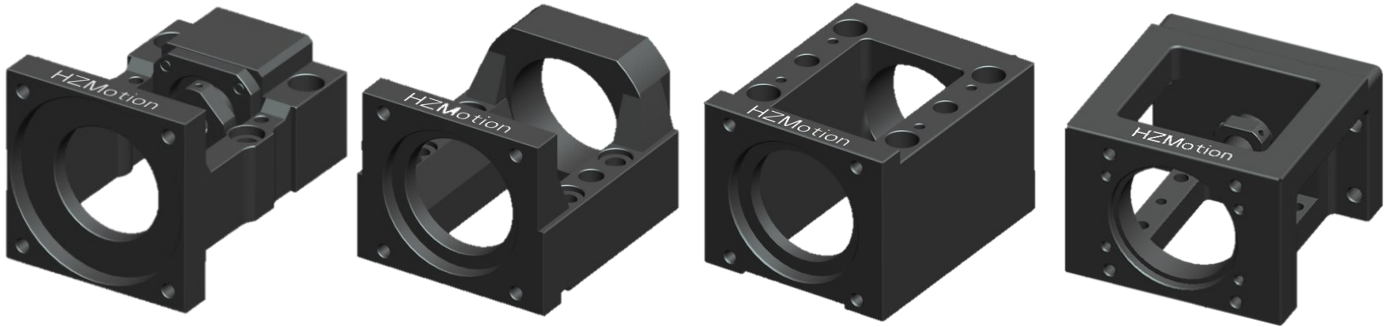


Servo Motor Brackets

Comprehensive product lines to accommodate various servo motors / stepper motors.



*For illustration only.

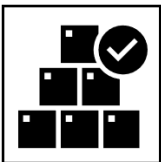
KEY FEATURES



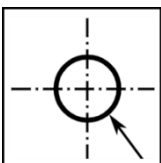
Standardized product
Designed based on popular dimensions, allowing compatibility with a wide range of servo motors and stepper motors.



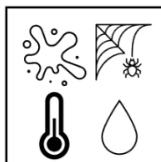
Consistent quality and service life
Audited factory and production line ensure consistent product quality, while mature design guarantees long-term supply of product and parts.



Short product lead time
Most standardized products are available in stock. In stock items can be shipped within 2 working days with reception of purchase order.



Guaranteed geometric tolerance
One-piece integrally machined servo motor bracket not only ensures geometric tolerance but also significantly reduce costs.



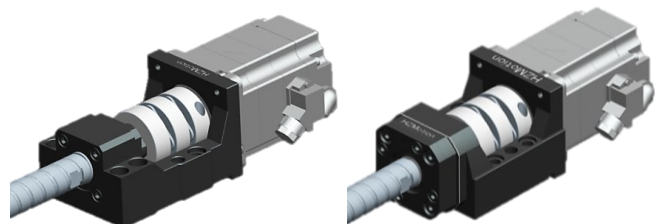
Made for harsh environments
Solid construction provides superior structural rigidity. All servo motor brackets receive surface treatment to protect from corrosion.

DESCRIPTION

Servo motor bracket, also known as motor mount or motor bracket, is the component that secures servo motor and bearings/ or bearing support unit in specific relative positions.

Given the complex shape and the high precision required for the alignment of various mounting features of servo motor brackets, HZMotion has introduced various models of integrally machined servo motor brackets. This design not only ensures the strength and geometric tolerance of the motor brackets but also will significantly reduce production costs, which will be passed onto our customers.

Servo motor brackets can be classified into two main categories based on its structural design: one type has built-in ball screw support bearing, the other type does not include built-in bearing and required use in combination with ball screw support units. Figure below compares the two types of servo motor brackets.



a). With built in bearing

a). Without built in bearing

Figure 1: Two types of servo motor brackets

RESOURCES & TECHNICAL INFORMATION:

Instant pricing and order online:



<https://www.hzmotion.com/#/pages/catalogs/index>

Download 3D & 2D drawing:



<https://www.hzmotion.com/#/pages/catalogs/index>

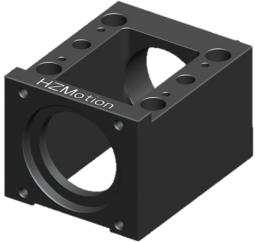
Bearing life calculation tool:



<https://www.hzmotion.com/#/pages/tools/index>

PRODUCT LINEUP AND CLASSIFICATION:

Main characteristics comparison across different types:

Type:	Applicable Ballscrew Diameter:	Pairing Bearing Support Unit:	Illustration:	Description:
A	6mm - 25mm	FK FKA		➤ Simple and reliable design, offering excellent cost performance. ➤ Compatible with HZMotion heavy duty bearing support units, suitable for high-precision requirements and high-load applications.
B	25mm - 40mm	FK WBK		➤ Suitable for ball screws ranging from 6mm to 40mm in diameter, providing a wide compatibility range.
H	20mm	FK		➤ Designed with standardized external dimensions for easier integration into compact and complex systems. ➤ Additional threaded features on the motor housing make it easier to attach auxiliary structures such as dust covers / cushions.
L	6mm - 25mm	FKA		➤ Lower installation center height compared to A type servo motor brackets of the same specification.
C	15mm - 50mm	Integrated		➤ Integrated motor bracket with built-in bearing support unit. ➤ Suitable for ball screws ranging from 15mm to 50mm in diameter, providing a wide compatibility range.
KK	6mm - 20mm	Integrated		➤ Integrated motor bracket with built-in bearing support unit. ➤ Optional motor adapter flange allows wide servo or stepper motor compatibility.

Product Coverage Range:

- Shown in the table below is our product coverage range in reference to various servo motor flange codes and pairing ballscrew support unit part numbers.
- Servo motor flange codes and its corresponding servo motor brand & models are listed in following page.

Motor brackets without integrated bearing:

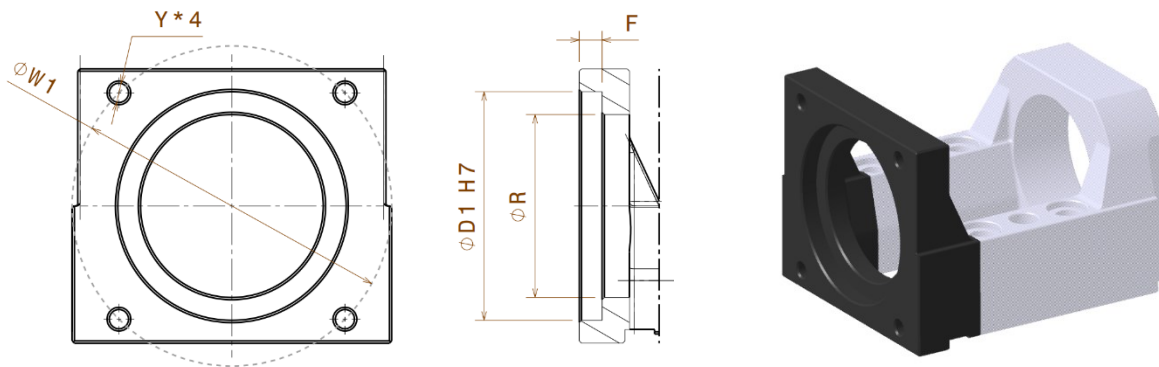
Type	Applicable Ballscrew Diameter	Motor Flange	FKA						FK					MBK			WBK			
			06	08	10	12	15	20	10	12	15	20	25	15 DF	17 DF	20 DF	25 DF	25 DFD	30 DF	30 DFD
A	6mm - 25mm	38A	A	A					A	A										
		40B	A	A					A	A										
		60C							A	A	A									
		60D						A	A	A	A									
		60DP						A	A	A	A									
		80E						A			A									
		80EP						A			A									
		85F						A			A									
B	25mm - 40mm	116S											A							
		130G										A	A	A	A	A				
		180H															A	A	A	A
H	20mm	60D									A									
		60DP									A									
		80E									A									
		80EP									A									
L	6mm - 25mm	38A	A	A	A	A														
		40B	A	A	A	A														
		60C			A	A	A													
		60D			A	A	A	A												
		60DP			A	A	A	A												
		80E					A	A												
		80EP					A	A												
		85F					A	A												

Motor brackets with integrated bearing:

Type	Applicable Ballscrew Diameter	Motor Flange	FK					EK			BK				AK		SBK						
			06	08	10	12	15	12	15	20	12	15	25	30	15	20	25	25 D	30	30 D	35 D	40 D	
C	15mm - 50mm	60D						A	A		A	A											
		60DP						A	A		A	A											
		80E							A			A			A	A							
		80EP							A			A			A	A							
		90X								A			A		A	A							
		100Y								A			A	A		A	A	A	A	A			
		100YP								A			A	A		A	A	A	A	A			
		116S								A				A		A	A	A	A	A			
		130G								A				A		A	A	A	A	A			
		165Y																			A	A	
		165S																			A	A	
		165G																			A	A	
		165YP																			A	A	
KK	6mm - 20mm	38A	A	A	A																		
		40B	A	A	A																		
		60C		A	A																		
		60DP			A																		
		80E					A																
		80EP			A		A																
		85F					A																

MOTOR FLANGE CODES AND DIMENSIONS:

List of motor flange codes and dimensions:



Motor Flange Code	D1 (H7)	F	R	W1	Y
38A	30	5	30	45	M3
40B	30	5	30	46	M4
60C	38.1	5	38	67	M4
60D	50	5	36	70	M5
60DP	50	5	36	70	M4
80E	70	6	47	90	M6
80EP	70	6	47	90	M5
85F	73	6	47	98	M6
90X	80	11	58	100	M6
100Y	95	11	58	115	M8
100YP	95	11	58	115	M6
116S	110	11	58	115	M8
130G	110	11	58	115	M6
165Y	130	10	105	165	M10
165S	150	10	105	185	M10
165G	114.3	10	105	200	M12
165YP	110	10	105	145	M8
180H	114.3	10	114.3	200	M12

Dimensions in [mm]

HOW TO ORDER / PART NUMBER LOOKUP:

A/B/C/H/L series:

M

Motor Flange Code	Pairing or equivalent bearing support	Motor Bracket Type
Refer to Appendix A for complete list of motor flange codes.	FK 06/08/10/12/15/20/25 FKA 06/08/10/12/15/20 EK 12/15/20 BK 12/15/25/30 AK 15/20/25/25D SBK 30/30D/35D/40D MBK 15DF/17DF/20DF WBK 25DF/25DFD/30DF/30DFD	A = A Type B = B Type C = C Type H = H Type L = L Type

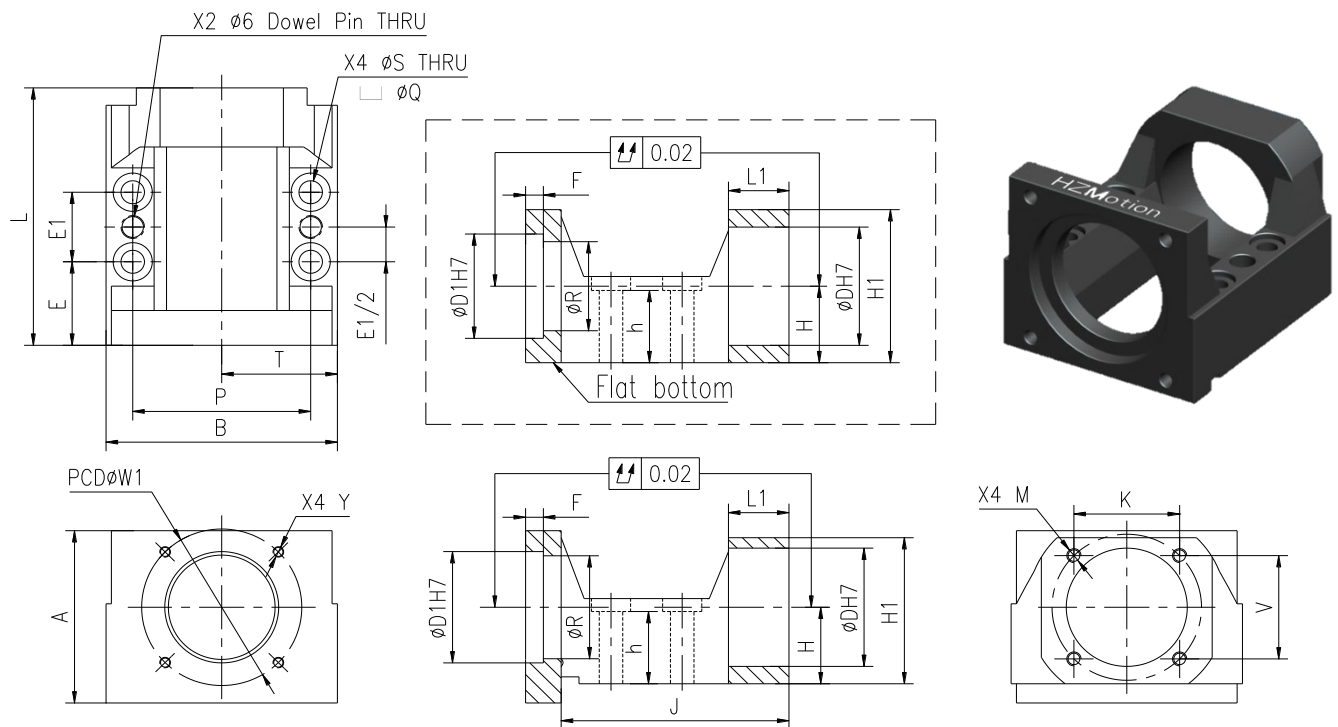
KK series:

K K

Motor Bracket Width & Ballscrew Interface Diameter	Motor Adapter Flange Code
50-FK06 = 49mm width, Ø6mm 60-FK08 = 59mm width, Ø8mm 60-FK08L = 59mm width, Ø10mm 86-FK10 = 85mm width, Ø10mm 86-FK10L = 85mm width, Ø12mm 100-FK15 = 99mm width, Ø15mm	* Refer to Appendix A for complete list of motor flange codes. * Refer to corresponding drawing for each motor mounting flange dimensions.

A Type Servo Motor Bracket

Servo Motor Bracket Dimensions:



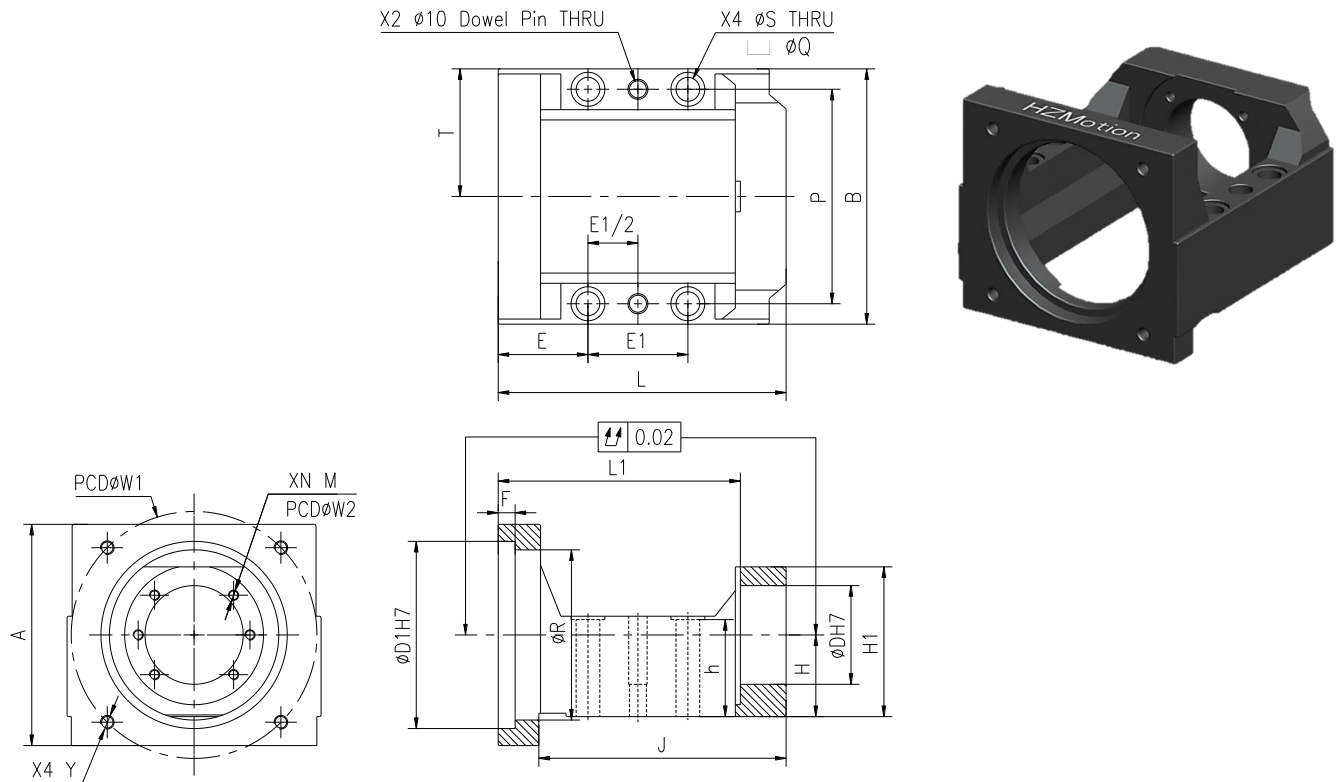
A type servo motor bracket dimension:

Model:	D1	W1	Y	D	L	L1	H1	H ±0.02	A	B	P	T	S	Q	h	E	E1	F	J	K	V	M	R	Mass (kg)	Matching Support Unit
M38A-FKA6/8-A	30	45	M3	28	61	12	36	17	40	52	41	26	5.5	10	12	19	20	5	54	26.8	20.9	M3	30	0.29	FKA06 FKA08
M40B-FKA6/8-A	30	46	M4	28	61	12	36	17	40	52	41	26	5.5	10	12	19	20	5	54	26.8	20.9	M3	30	0.29	FKA06 FKA08
M38A-FK10-A	30	45	M3	34	74	17	44	22	44	65	50	32.5	6.6	11	21	24	20	5	Flat	29.7	29.7	M4	30	0.62	FK10
M40B-FK10-A	30	46	M4	34	74	17	44	22	44	65	50	32.5	6.6	11	21	24	20	5	Flat	29.7	29.7	M4	38	0.66	FK10
M60C-FK10-A	38	67	M4	34	74	17	44	22	60	65	50	32.5	6.6	11	21	24	20	5	65	29.7	29.7	M4	36	0.62	FK10
M60D-FK10-A	50	70	M5	34	74	17	44	22	60	65	50	32.5	6.6	11	21	24	20	5	65	29.7	29.7	M4	36	0.62	FK10
M60DP-FK10-A	50	70	M4	34	74	17	44	22	60	65	50	32.5	6.6	11	21	24	20	5	65	29.7	29.7	M4	36	0.62	FK10
M38A-FK12-A	30	45	M3	36	74	17	47	25	47	65	50	32.5	6.6	11	24	24	20	5	Flat	31.1	31.1	M4	30	0.67	FK12
M40B-FK12-A	30	46	M4	36	74	17	47	25	47	65	50	32.5	6.6	11	24	24	20	5	Flat	31.1	31.1	M4	38	0.7	FK12
M60C-FK12-A	38	67	M4	36	74	17	47	25	60	65	50	32.5	6.6	11	24	24	20	5	65	31.1	31.1	M4	36	0.66	FK12
M60D-FK12-A	50	70	M5	36	74	17	47	25	60	65	50	32.5	6.6	11	24	24	20	5	65	31.1	31.1	M4	36	0.66	FK12
M60DP-FK12-A	50	70	M4	36	74	17	47	25	60	65	50	32.5	6.6	11	24	24	20	5	65	31.1	31.1	M4	36	0.66	FK12
M60C-FK15-A	38	67	M4	40	82	17	54	28	60	70	55	35	6.6	11	26	24	28	5	73	35.4	35.4	M5	38	0.85	FK15
M60D-FK15-A	50	70	M5	40	82	17	54	28	60	70	55	35	6.6	11	26	24	28	5	73	35.4	35.4	M5	40	0.86	FK15
M60DP-FK15-A	50	70	M4	40	82	17	54	28	60	70	55	35	6.6	11	26	24	28	5	73	35.4	35.4	M5	40	0.85	FK15
M85F-FK15-A	73	98	M6	40	92	17	56	28	86	88	70	44	8.5	14	26	29	28	6	81	35.4	35.4	M5	40	1.3	FK15
M80E-FK15-A	70	90	M5	40	92	17	56	28	86	88	70	44	8.5	14	26	29	28	6	81	35.4	35.4	M5	40	1.37	FK15
M80EP-FK15-A	70	90	M5	40	92	17	56	28	86	88	70	44	8.5	14	26	29	28	6	81	35.4	35.4	M5	40	1.31	FK15
M60D-FKA20-A	50	70	M5	57	113	22	68	34	68	88	70	44	8.5	14	32	29	42	5	Flat	56.7	44.3	M6	47	1.56	FKA20
M60DP-FKA20-A	50	70	M4	57	113	22	68	34	68	88	70	44	8.5	14	32	29	42	5	Flat	56.7	44.3	M6	47	1.54	FKA20
M85F-FKA20-A	73	98	M6	57	113	22	68	34	86	88	70	44	8.5	14	32	29	42	6	102	56.7	44.3	M6	47	1.59	FKA20
M80E-FKA20-A	70	90	M5	57	113	22	68	34	86	88	70	44	8.5	14	32	29	42	6	102	56.7	44.3	M6	47	1.61	FKA20
M80EP-FKA20-A	70	90	M5	57	113	22	68	34	86	88	70	44	8.5	14	32	29	42	6	102	56.7	44.3	M6	47	1.62	FKA20

Dimensions in [mm]

B Type Servo Motor Bracket

Servo Motor Bracket Dimensions:



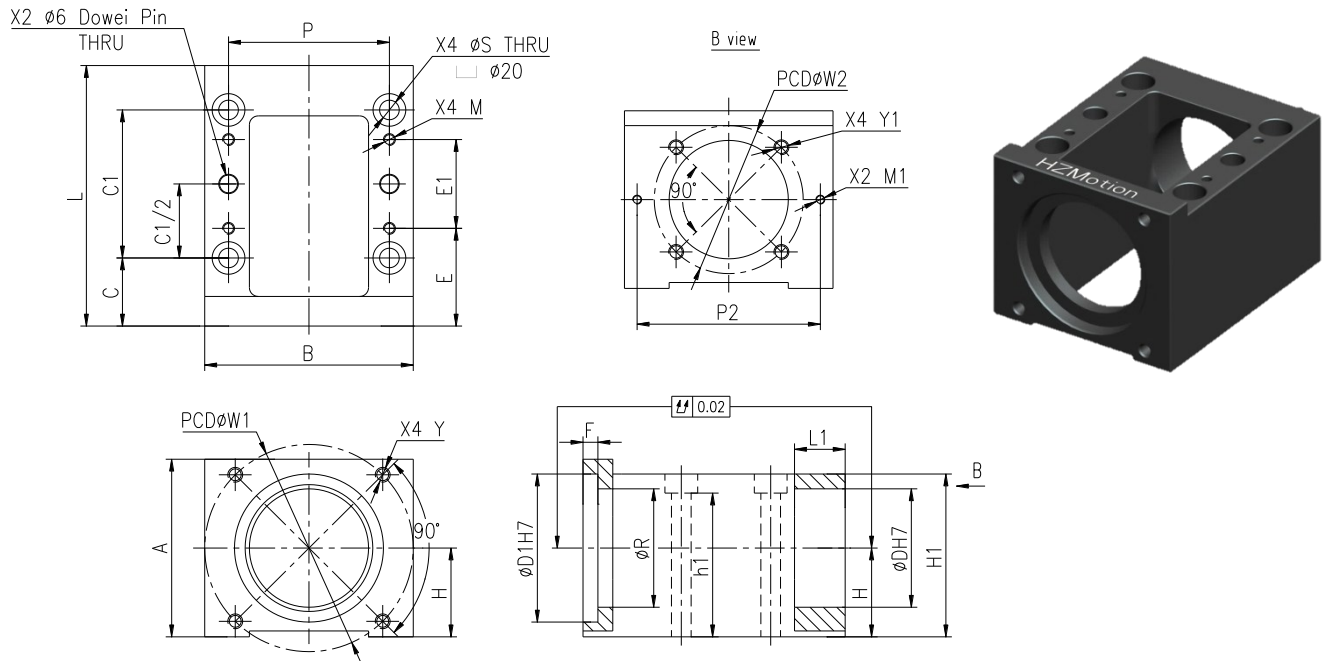
B type servo motor bracket dimension:

Model	D1	W1	Y	D	L	L1	H1	H ±0.02	A	B	P	T	S	Q	h	E	E1	F	J	N	W2	M	R	Mass	Matching
																								(kg)	Support Unit
M130G-FK20B-B	110	145	M8	57	170	143	88	48	130	150	126	75	14	20	57	53	59	10	151	4	70	M6	100	6.46	FK20
M130G-MBK15DF-B				58																8	66	M6			MBK15DF
M130G-MBK17DF-B																									MBK17DF
M130G-MBK20DF-B																									MBK20DF
M116S-FK25-B	110	130	M8	63	167	141	88	48	130	150	126	75	14	20	57	51	59	10	146				4	80	M8
M130G-FK25-B		145		170	143	53										59	151		6.23	FK25					
M130G-FK25-L-B																					55	70			
M180H-WBK25DF-B	114.3	200	M12	85	230	189	101	51	180	200	170	100	18	26	61	75	75	THRU	191	6	110	M10	114.3	14	WBK25DF
M180H-WBK25DFD-B																									WBK25DFD
M180H-WBK30DF-B																									WBK30DF
M180H-WBK30DFD-B																									WBK30DFD

Dimensions in [mm]

H Type Servo Motor Bracket

Servo Motor Bracket Dimensions:



H type servo motor bracket dimension:

Model	D1	W1	Y	L	L1	D	H1	H ±0.02	A	B	F	P	S	Q	h1	C	C1	M	E	E1	M1	P2	W2	Y1	R	Mass (kg)	Matching Support Unit
M60D-FK15-H	50	70	M5	88	17	40	55	30	60	70	5	54	6.6	11	40	23	50	M4	33	30	M3	62	50	M5	40	1.2	FK15
M60DP-FK15-H			M4																								
M80E-FK15-H	70	90	M6	95	17	40	72	45	90	95	6	70	9	14	45	22	60	M4	34	36	M3	62	50	M5	52	2.5	FK15
M80EP-FK15-H			M5																								

Dimensions in [mm]

Servo Motor Bracket Dimensions:

Dimensions in [mm]

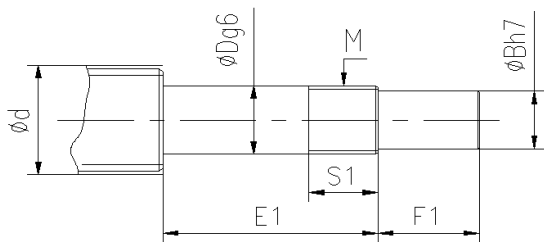
C Type Servo Motor Bracket

List of contents:



Part No.	Description	Unit	QTY
1-(1)	Motor Bracket	pcs	1
1-(2)	Bearing	pair	1
1-(3)	Holding Lid	pcs	1
1-(4)	Seal	pcs	2
2	Lock Nut	pcs	1
3	Collar	pcs	2

Ball screw interface dimension:



No.	Model	d	D	B	E1	F1	M	S1
1	M60D-BK12-C	14	12	10	36	15	M12x1	12
2	M60DP-BK12-C	15	12	10	36	15	M12x1	12
3	M60D-EK12-C	16	12	10	36	15	M12x1	12
4	M60DP-EK12-C	16	12	10	36	15	M12x1	12
5	M60D-BK15-C	18	15	12	44	20	M15x1	12
6	M60DP-BK15-C	20	15	12	44	20	M15x1	12
7	M80E-BK15-C	18	15	12	44	20	M15x1	12
8	M80EP-BK15-C	20	15	12	44	20	M15x1	12
9	M80E-AK15-C	18	15	12	48	20	M15x1	12
10	M80EP-AK15-C	20	15	12	48	20	M15x1	12
11	M80E-AK20-C	25	20	17	53	20	M20x1	20
12	M80EP-AK20-C	28	20	17	53	20	M20x1	20
13	M60D-EK15-C	18	15	12	48	20	M15x1	15
14	M60DP-EK15-C	20	15	12	48	20	M15x1	15
15	M80E-EK15-C	18	15	12	48	20	M15x1	15
16	M80EP-EK15-C	20	15	12	48	20	M15x1	15
17	M90X-AK15-C	25	20	17	62	25	M20x1	18
18	M90X-EK20-C	28	20	17	62	25	M20x1	18
19	M100Y-EK20-C	25	20	17	64	27	M20x1	18
20	M100YP-EK20-C	28	20	17	64	27	M20x1	18
21	M116S-EK20-C	25	20	17	64	27	M20x1	18
22	M130G-EK20-C	28	20	17	64	27	M20x1	18
23	M90X-AK20-C	25	20	17	69	25	M20x1	23
24	M100Y-AK20-C	28	20	17	69	25	M20x1	23
25	M100YP-AK20-C	25	20	17	69	25	M20x1	23
26	M116S-AK20-C	28	20	17	69	25	M20x1	23
27	M130G-AK20-C	25	20	17	69	25	M20x1	23

No.	Model	d	D	B	E1	F1	M	S1
28	M90X-BK25-C	30	25	20	76	30	M25x1.5	25
29	M100Y-BK25-C	32	25	20	76	30	M25x1.5	25
30	M100YP-BK25-C	36	25	20	76	30	M25x1.5	25
31	M100Y-SBK25-C	30	25	20	82	27	M25x1.5	30
32	M100YP-SBK25-C	32	25	20	82	27	M25x1.5	30
33	M116S-SBK25-C	36	25	20	82	27	M25x1.5	30
34	M130G-SBK25-C	36	25	20	82	27	M25x1.5	30
35	M100Y-SBK25D-C	30	25	20	97	27	M25x1.5	30
36	M100YP-SBK25D-C	32	25	20	97	27	M25x1.5	30
37	M116S-SBK25D-C	36	25	20	97	27	M25x1.5	30
38	M130G-SBK25D -C	36	25	20	97	27	M25x1.5	30
39	M100Y-BK30-C	36	30	25	73	30	M30x1.5	30
40	M100YP-BK30-C	40	30	25	73	30	M30x1.5	30
41	M116S-BK30-C	36	30	25	73	30	M30x1.5	30
42	M130G-BK30-C	40	30	25	73	30	M30x1.5	30
43	M100Y-SBK30-C	36	30	25	82	27	M30x1.5	30
44	M100YP-SBK30-C	40	30	25	82	27	M30x1.5	30
45	M116S-SBK30-C	36	30	25	82	27	M30x1.5	30
46	M130G-SBK30-C	40	30	25	82	27	M30x1.5	30
47	M100Y-SBK30D-C	36	30	25	97	27	M30x1.5	30
48	M100YP-SBK30D-C	40	30	25	97	27	M30x1.5	30
49	M116S-SBK30D-C	36	30	25	97	27	M30x1.5	30
50	M130G-SBK30D-C	40	30	25	97	27	M30x1.5	30
51	M165YP-SBK35D-C	40	35	30	105	40	M35x1.5	30
52	M165Y-SBK35D-C	50	35	30	105	40	M35x1.5	30
53	M165S-SBK35D-C	50	35	30	105	40	M35x1.5	30
54	M165G-SBK35D-C	50	35	30	105	40	M35x1.5	30
55	M165YP-SBK40D-C	50	40	35	107	40	M40x1.5	32
56	M165Y-SBK40D-C	63	40	35	107	40	M40x1.5	32
57	M165S-SBK40D-C	50	40	35	107	40	M40x1.5	32
58	M165G-SBK40D-C	63	40	35	107	40	M40x1.5	32

Dimensions in [mm]

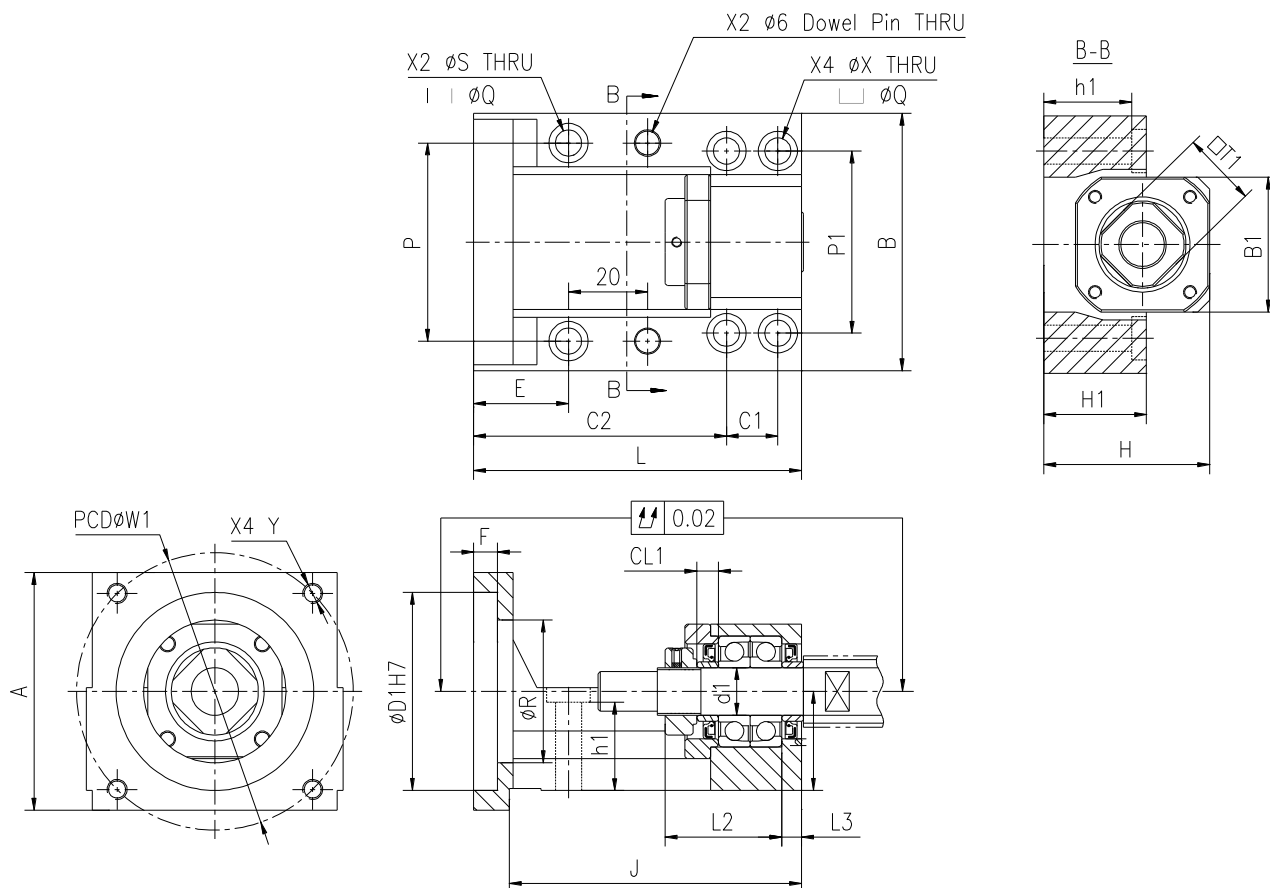
Product availability and main characteristics:

➤ Unless otherwise specified, all support units have black oxide surface treatment.

Model		Equipped Bearing Type	Bearing Configuration	Equipped Bearing Model	Available Bearing Grade	Weight (kg)	Max Axial Load (kgf)	Recommended Support End
M60D	BK12-C	Angular Contact Ball Bearing	DF	7001A	C3 / C4 / C5	0.79	243	BF12
	EK12-C	Angular Contact Ball Bearing	DF	7001A		0.84	243	EF12 / AF12
	BK15-C	Angular Contact Ball Bearing	DF	7002A		0.98	279	BF15
	EK15-C	Angular Contact Ball Bearing	DF	7002A		1.09	279	EF15 / AF15
M60DP	BK12-C	Angular Contact Ball Bearing	DF	7001A		0.79	243	BF12
	EK12-C	Angular Contact Ball Bearing	DF	7001A		0.84	243	EF12 / AF12
	BK15-C	Angular Contact Ball Bearing	DF	7002A		0.99	279	BF15
	EK15-C	Angular Contact Ball Bearing	DF	7002A		1.07	279	EF15 / AF15
M80E	BK15-C	Angular Contact Ball Bearing	DF	7002A		1.39	279	BF15
	EK15-C	Angular Contact Ball Bearing	DF	7002A		1.52	279	EF15 / AF15
	AK15-C	Angular Contact Ball Bearing	DF	7302A		2.01	579	AF15
	AK20-C	Angular Contact Ball Bearing	DF	7004A		2	538	AF20
M80EP	BK15-C	Angular Contact Ball Bearing	DF	7002A		1.45	279	BF15
	EK15-C	Angular Contact Ball Bearing	DF	7002A		1.52	279	EF15 / AF15
	AK15-C	Angular Contact Ball Bearing	DF	7302A		2.01	579	AF15
	AK20-C	Angular Contact Ball Bearing	DF	7004A		2	538	AF20
M90X	AK15-C	Angular Contact Thrust Ball Bearing	DF	15TAC47		2.92	1808	AK15 / AF15
	EK20-C	Angular Contact Ball Bearing	DF	7204A		2.76	677	EF20
	AK20-C	Angular Contact Thrust Ball Bearing	DF	20TAC47		2.9	1808	AK20 / AF20
	BK25-C	Angular Contact Ball Bearing	DF	7205A		4.53	836	BF25
100Y	EK20-C	Angular Contact Ball Bearing	DF	7204A		2.71	677	EF20
	AK20-C	Angular Contact Thrust Ball Bearing	DF	20TAC47		2.81	1808	AK20 / AF20
	BK25-C	Angular Contact Ball Bearing	DF	7205A		4.53	836	BF25
	SBK25-C	Angular Contact Thrust Ball Bearing	DF	25TAC62		6.99	2752	SBK25 / BF25H
	BK30-C	Angular Contact Ball Bearing	DF	7206A		6.99	1203	BF30
	SBK30-C	Angular Contact Thrust Ball Bearing	DF	30TAC62		6.99	2922	SBK30 / BK30 / BF30
	SBK25D-C	Angular Contact Thrust Ball Bearing	DFD	25TAC62		7.38	5539	SBK25 / BF25H
	SBK30D-C	Angular Contact Thrust Ball Bearing	DFD	30TAC62		7.31	5844	SBK30 / BK30 / BF30
100YP	EK20-C	Angular Contact Ball Bearing	DF	7204A		2.73	677	EF20
	AK20-C	Angular Contact Thrust Ball Bearing	DF	20TAC47		2.85	1808	AK20 / AF20
	BK25-C	Angular Contact Ball Bearing	DF	7205A		4.53	836	BF25
	SBK25-C	Angular Contact Thrust Ball Bearing	DF	25TAC62		6.99	2752	SBK25 / BF25H
	BK30-C	Angular Contact Ball Bearing	DF	7206A		6.99	1203	BF30
	SBK30-C	Angular Contact Thrust Ball Bearing	DF	30TAC62		6.99	2922	SBK30 / BK30 / BF30
	SBK25D-C	Angular Contact Thrust Ball Bearing	DFD	25TAC62		7.38	5539	SBK25 / BF25H
	SBK30D-C	Angular Contact Thrust Ball Bearing	DFD	30TAC62		7.31	5844	SBK30 / BK30 / BF30
116S	EK20-C	Angular Contact Ball Bearing	DF	7204A		3.6	677	EF20
	AK20-C	Angular Contact Thrust Ball Bearing	DF	20TAC47		3.69	1808	AK20 / AF20
	SBK25-C	Angular Contact Thrust Ball Bearing	DF	25TAC62		6.78	2752	SBK25 / BF25H
	BK30-C	Angular Contact Ball Bearing	DF	7206A		6.78	1203	BF30
	SBK30-C	Angular Contact Thrust Ball Bearing	DF	30TAC62		6.78	2922	SBK30 / BK30 / BF30
	SBK25D-C	Angular Contact Thrust Ball Bearing	DFD	25TAC62		7.19	5539	SBK25 / BF25H
130G	SBK30D-C	Angular Contact Thrust Ball Bearing	DFD	30TAC62		7.13	5844	SBK30 / BK30 / BF30
	EK20-C	Angular Contact Ball Bearing	DF	7204A		3.77	677	EF20
	AK20-C	Angular Contact Thrust Ball Bearing	DF	20TAC47		3.92	1808	AK20 / AF20
	SBK25-C	Angular Contact Thrust Ball Bearing	DF	25TAC62		6.78	2752	SBK25 / BF25H
	BK30-C	Angular Contact Ball Bearing	DF	7206A		6.78	1203	BF30
	SBK30-C	Angular Contact Thrust Ball Bearing	DF	30TAC62		6.78	2922	SBK30 / BK30 / BF30
	SBK25D-C	Angular Contact Thrust Ball Bearing	DFD	25TAC62		7.19	5539	SBK25 / BF25H
165G	SBK30D-C	Angular Contact Thrust Ball Bearing	DFD	30TAC62		7.13	5844	SBK30 / BK30 / BF30
	SBK35D-C	Angular Contact Thrust Ball Bearing	DFD	35TAC72		12.88	6769	SBK35 / BF35
165S	SBK40D-C	Angular Contact Thrust Ball Bearing	DFD	40TAC72		12.75	7068	SBK40
	SBK35D-C	Angular Contact Thrust Ball Bearing	DFD	35TAC72		12.32	6769	SBK35 / BF35
165Y	SBK40D-C	Angular Contact Thrust Ball Bearing	DFD	40TAC72		12.19	7068	SBK40
	SBK35D-C	Angular Contact Thrust Ball Bearing	DFD	35TAC72		12.66	6769	SBK35 / BF35
165YP	SBK40D-C	Angular Contact Thrust Ball Bearing	DFD	40TAC72		12.53	7068	SBK40
	SBK35D-C	Angular Contact Thrust Ball Bearing	DFD	35TAC72		12.98	6769	SBK35 / BF35
165Y	SBK40D-C	Angular Contact Thrust Ball Bearing	DFD	40TAC72		12.84	7068	SBK40
	SBK35D-C	Angular Contact Thrust Ball Bearing	DFD	35TAC72		12.84	7068	SBK40

C Type Servo Motor Bracket: M60 $\left(\frac{D}{DP}\right)$ -BK12-C

Servo Motor Bracket Dimensions:



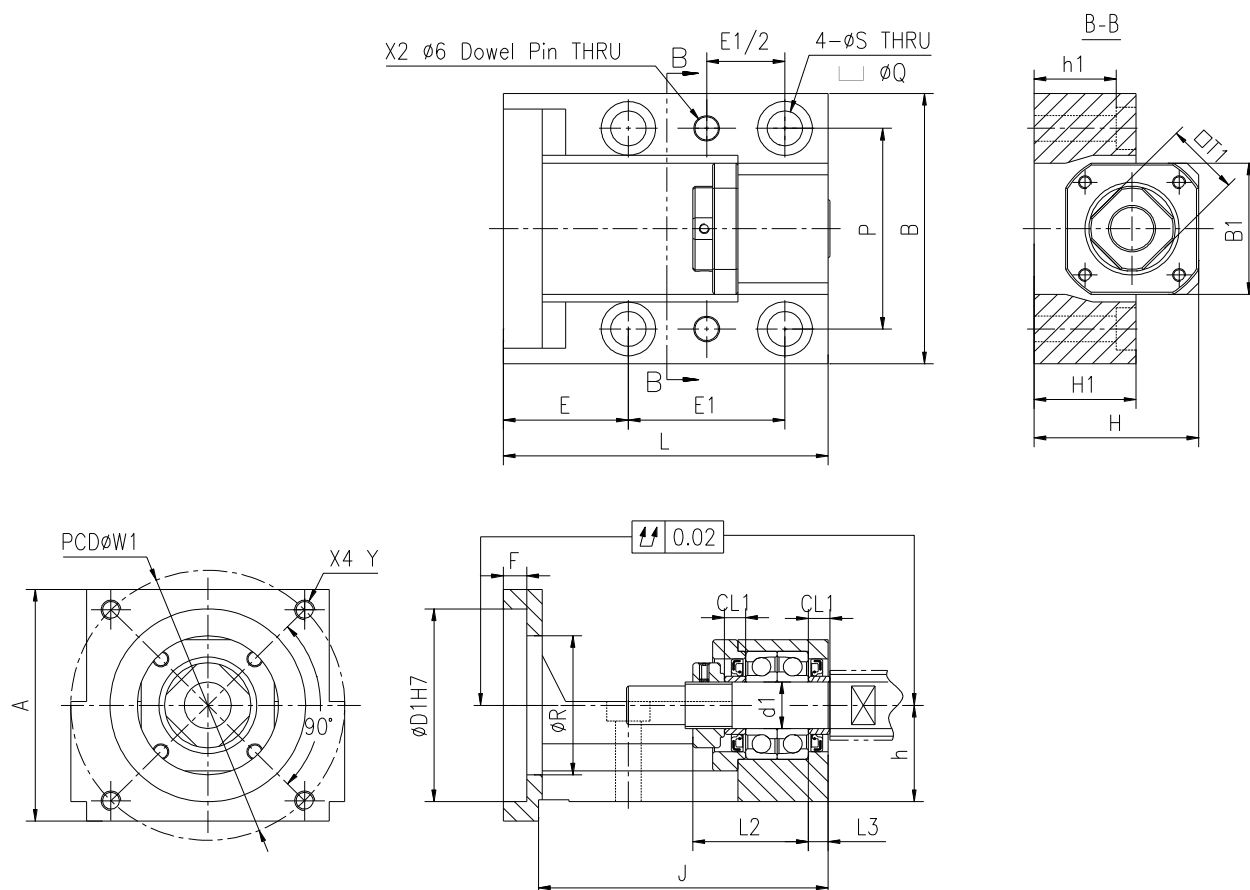
M60 $\left(\frac{D}{DP}\right)$ -BK12-C servo motor bracket dimension:

Model	D1	W1	Y	L	h ± 0.02	A	B	P	d1	CL1	L2	L3	H	R	F	H1	B1	P1	S	Q	h1	E	X	C1	C2	J	T1	Bearing Model	Mass (kg)	Matching Support Unit
M60D-BK12-C	50	70	M5	83	25	60	65	50	12	5.5	29.5	5	42	36	6	26	34	46	7	11	24	24	6.6	13	64	74	19	7001A	0.79	BF12
M60DP-BK12-C			M4																											

Dimensions in [mm]

C Type Servo Motor Bracket: M60 $\left(\begin{smallmatrix} D \\ DP \end{smallmatrix}\right)$ -EK12-C

Servo Motor Bracket Dimensions:



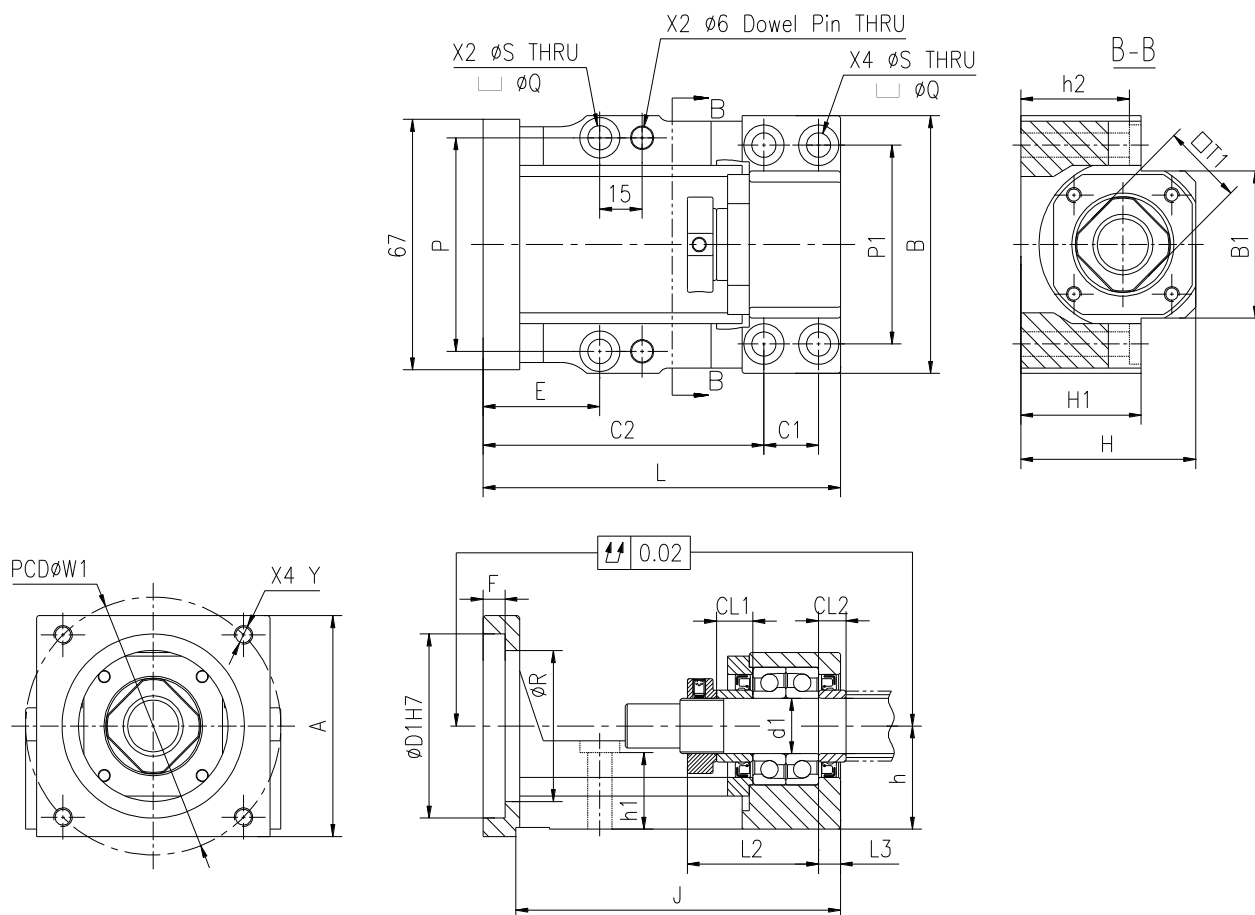
M60 $\left(\begin{smallmatrix} D \\ DP \end{smallmatrix}\right)$ -EK12-C servo motor bracket dimension:

Model	D1	W1	Y	L	h ±0.02	A	B	P	d1	CL1	L2	L3	F	R	H	H1	B1	S	Q	h1	E	E1	J	T1	Bearing Model	Mass (kg)	Matching Support Unit
M60D-EK12-C	50	70	M5	83	25	60	70	52	Φ12	5.5	29.5	5	6	36	42	26	34	9	14	24	32	40	74	19	7001A	0.84	EF12
M60DP-EK12-C			M4																								AF12

Dimensions in [mm]

C Type Servo Motor Bracket: M 60D 60DP 80E 80EP -BK15-C

Servo Motor Bracket Dimensions:



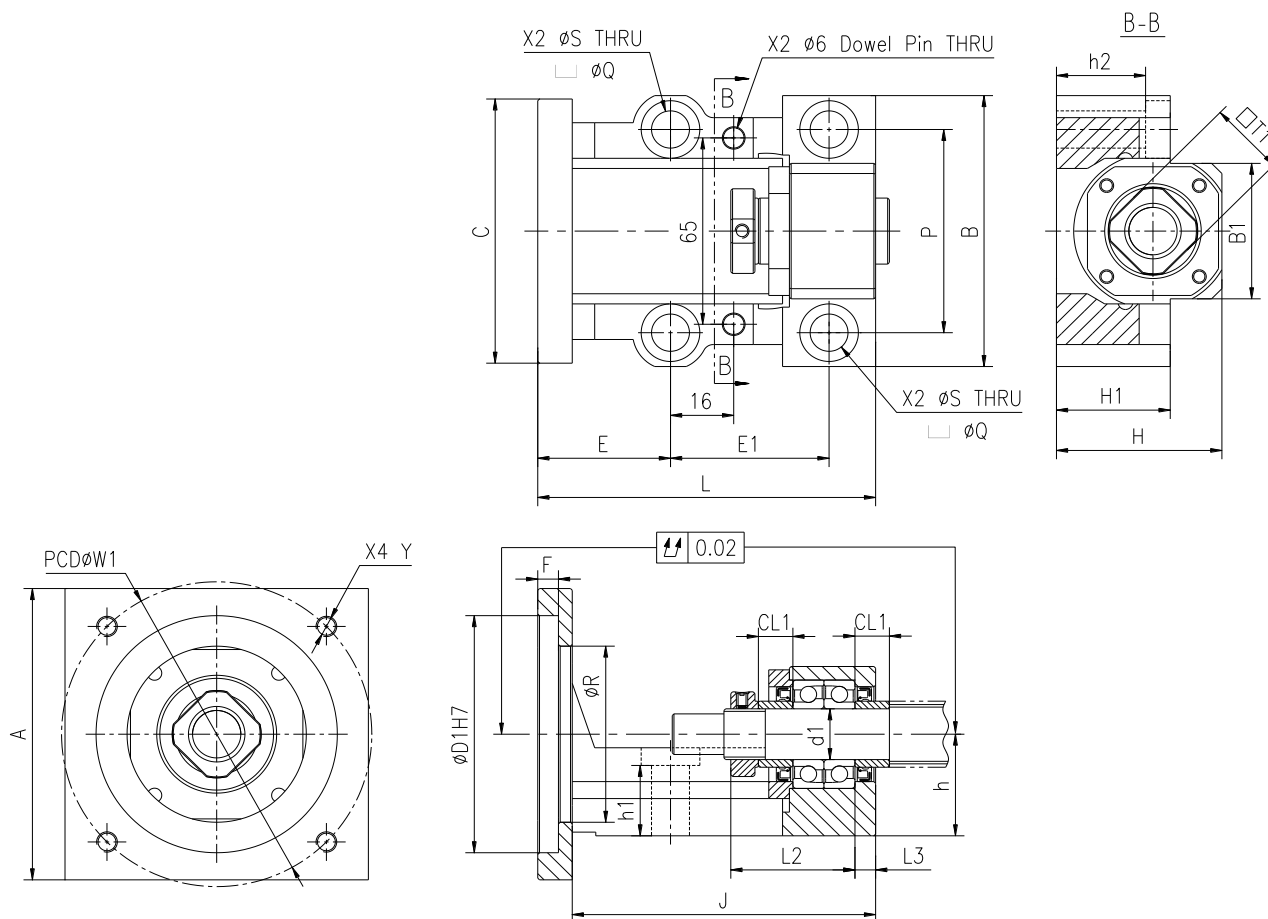
M 60D 60DP 80E 80EP -BK15-C servo motor bracket dimension:

Model	D1	W1	Y	L	h ±0.02	A	B	P	d1	CL1	CL2	L2	L3	H	F	R	H1	B1	P1	S	Q	h1	h2	E	C1	C2	J	T1	Bearing Model	Mass	Matching Support Unit																								
																														(kg)																									
M60D-BK15-C	50	70	M5	98	28	60	70	58	Φ15	10	6	36	6	48	6		42	33	40	54	6.6	11	21	27	32	15	77	89	22	7002A	0.98	BF15																							
M60DP-BK15-C			M4																																																				
M80E-BK15-C	70	90	M6	108		86																																																	1.39
M80EP-BK15-C			M5																																																				

Dimensions in [mm]

C Type Servo Motor Bracket: M80 $\left[\begin{smallmatrix} E \\ EP \end{smallmatrix} \right]$ -AK $\left[\begin{smallmatrix} 15 \\ 20 \end{smallmatrix} \right]$ -C

Servo Motor Bracket Dimensions:



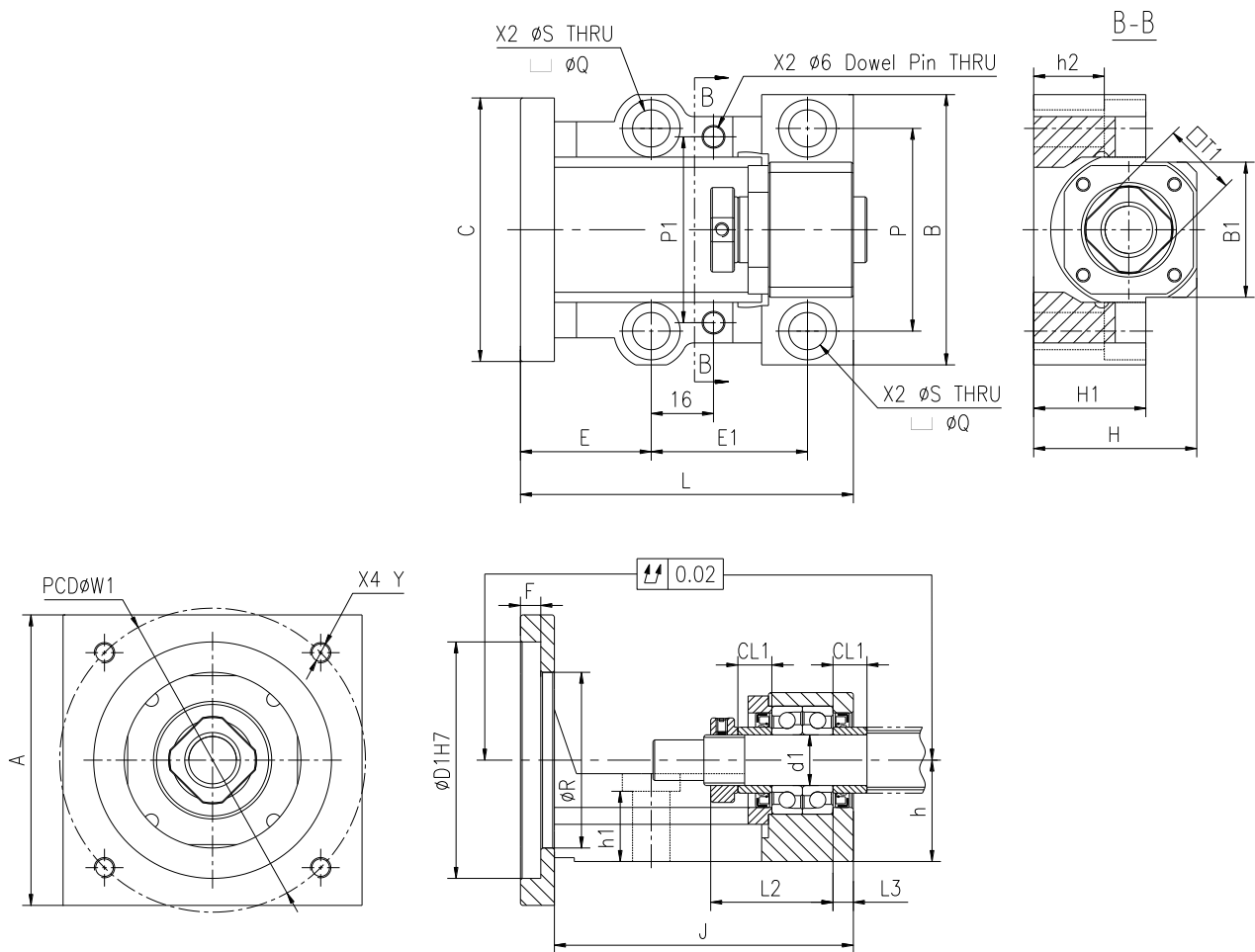
M80 $\square$ -AK $\square$ -C servo motor bracket dimension:

Model	D1	W1	Y	L	h ±0.02	A	B	C	P	d1	CL1	F	R	J	T1	L2	L3	H	H1	B1	S	Q	h1	h2	E	E1	Bearing Model	Mass (Kg)	Matching Support Unit																			
M80E-AK15-C	70	90	M6	115	30	86	88	88	70	15	6	8	52	101	22	40	6	55	40	52	9	14	30	30	47	50	7302A	2.01	AK15																			
M80EP-AK15-C			M5																																													
M80E-AK20-C			M6																																											7004A	2.00	AK20
M80EP-AK20-C			M5																																													

Dimensions in [mm]

C Type Servo Motor Bracket: M□□-EK/AK□-C

Servo Motor Bracket Dimensions:



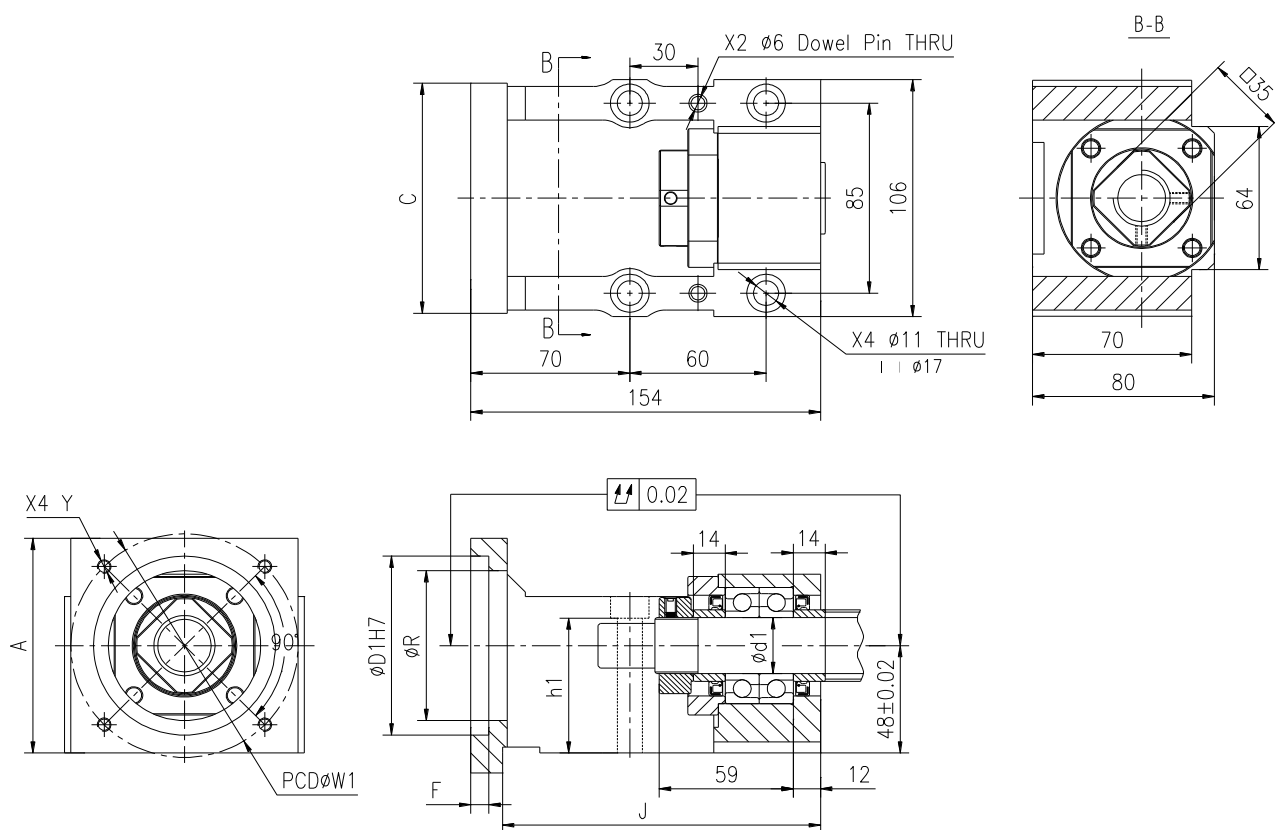
M□□-EK/AK□-C servo motor bracket dimension:

Model	D1	W1	Y	L	h ± 0.02	A	B	C	P	P1	d1	CL1	L2	L3	H	H1	B1	S	Q	h1	h2	E	E1	F	R	J	T1	Bearing Model	Mass (kg)	Matching Support Unit
M60D-EK15-C	50	70	M5	98	30	60		64												24	33	38.5			41	Flat	$\square 22$	7002A	1.09	EF15 AF15
M60DP-EK15-C			M4				80																						1.07	
M80E-EK15-C	70	90	M6	108		86		88	60	55	$\phi 15$	10	36	6	50		40	11	17		39	39	48.5			47	97		1.52	
M80EP-EK15-C			M5																										1.52	
M90X-AK15-C	80	100	M6	140		98					$\phi 15$	9	47							38	35	70					$\square 22$	15TAC47	2.92	AF15
M90X-EK20-C	80	100	M6					100																					2.76	
M100Y-EK20-C			M6																										2.71	
M100YP-EK20-C	95	115	M8	141		100					$\phi 20$	11	50							38	35	71					$\square 30$	7204A	2.73	
M116S-EK20-C			M6																										3.6	EF20
M130G-EK20-C	110	145	M8	153		126	95	130	75	70				9	58	45	56	11	17	35	35	81	50	11	58	124			3.77	
M90X-AK20-C	80	100	M6	140		98																							2.9	
M100Y-AK20-C			M8					100																					2.81	
M100YP-AK20-C	95	115	M6	141		100					$\phi 20$	9	55							38	35	71					$\phi 38$	20TAC47	2.85	AK20 AF20
M116S-AK20-C			M8																										3.69	
M130G-AK20-C	110	145	M8	153		126		130												35	35	83							3.92	

Dimensions in [mm]

C Type Servo Motor Bracket: M 90X 100Y 100YP -BK25-C

Servo Motor Bracket Dimensions:



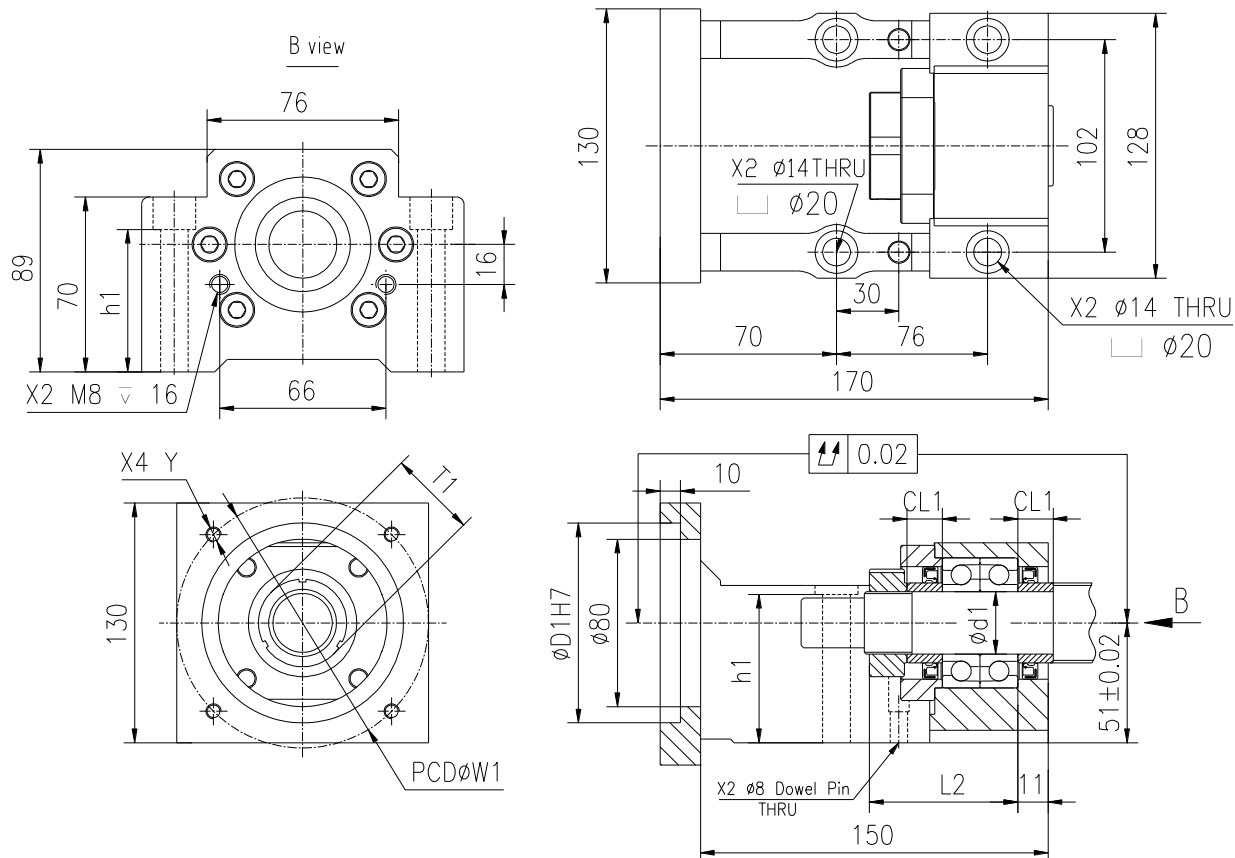
M 90X 100Y 100YP -BK25-C servo motor bracket dimension:

Model	A	C	D1	W1	Y	d1	F	h1	J	R	Bearing Model	Mass	Matching Support Unit
												(kg)	
M90X-BK25-C	96	100	80	100	M6	Φ25	11	59	Flat	67	7205A	4.53	BK25 BF25
M100Y-BK25-C	100	100	95	115	M8	Φ25	11		139	67			
M100YP-BK25-C					M6								

Dimensions in [mm]

C Type Servo Motor Bracket: M 100Y 100YP 116S 130G - BK30 SBK25 SBK30 -C

Servo Motor Bracket Dimensions:



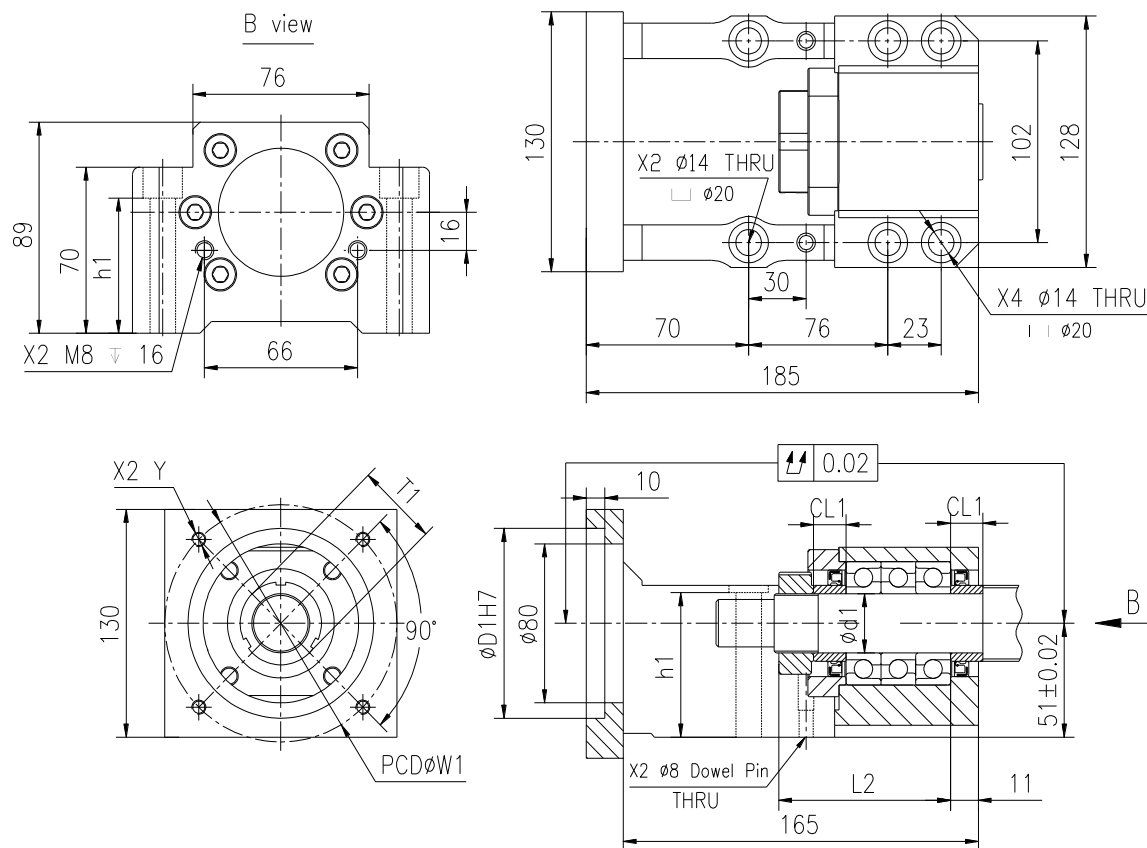
M 100Y 100YP 116S 130G - BK30 SBK25 SBK30 -C servo motor bracket dimension:

Model	D1	W1	Y	d1	CL1	L2	h1	T1	Bearing Model	Mass	Matching Support Unit
										(kg)	
M100Y-SBK25-C	95	115	M8	Φ25	15	63	57	Φ38	25TAC62	6.99	SBK25 BF25H
M100YP-SBK25-C			M6							6.78	
M116S-SBK25-C	110	130	M8							6.99	BK30 BF30
M130G-SBK25-C		145								6.78	
M100Y-BK30-C	95	115	M8	Φ30	9	59	57	Φ45	7206A	6.99	BK30 BF30
M100YP-BK30-C			M6							6.78	
M116S-BK30-C	110	130	M8							6.99	SBK30 BK30 BF30
M130G-BK30-C		145								6.78	
M100Y-SBK30-C	95	115	M8	Φ30	15	63	57	Φ45	30TAC62	6.99	SBK30 BK30 BF30
M100YP-SBK30-C			M6							6.78	
M116S-SBK30-C	110	130	M8							6.99	BK30 BF30
M130G-SBK30-C		145								6.78	

Dimensions in [mm]

C Type Servo Motor Bracket: M 100Y 100YP 116S 130G -SBK 25D 30D -C

Servo Motor Bracket Dimensions:



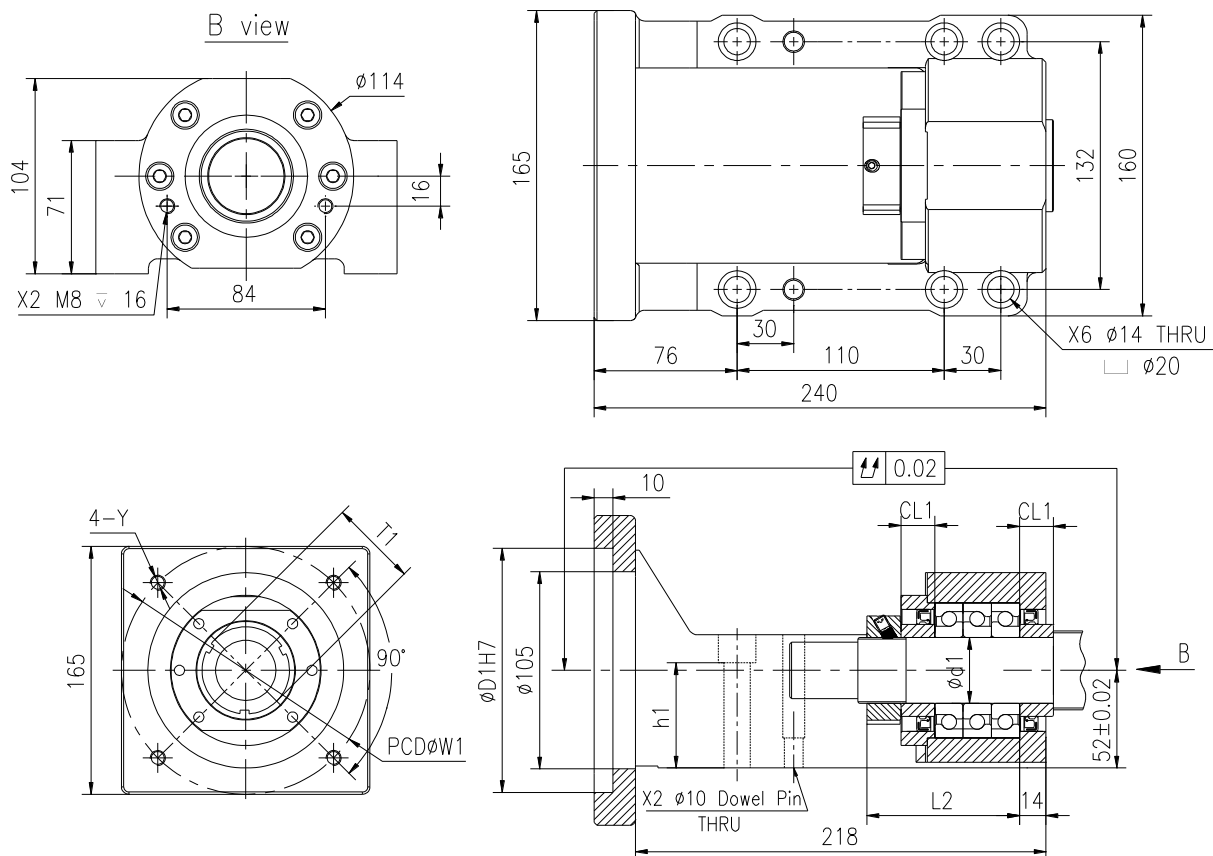
M 100Y 100YP 116S 130G -SBK 25D 30D -C servo motor bracket dimension:

Model	D1	W1	Y	d1	CL1	L2	h1	T1	Bearing Model	Mass	Matching Support Unit
										(kg)	
M100Y-SBK25D-C	95	115	M8	Φ25	15	63	57	Φ38	25TAC62	7.38	SBK25 BF25H
M100YP-SBK25D-C			M6								
M116S-SBK25D-C	110	130	M8							7.19	
M130G-SBK25D-C		145									
M100Y-SBK30D-C	95	115	M8	Φ30	15	63	57	Φ45	30TAC62	7.31	SBK30 BK30 BF30
M100YP-SBK30D-C			M6								
M116S-SBK30D-C	110	130	M8							7.13	
M130G-SBK30D-C		145									

Dimensions in [mm]

C Type Servo Motor Bracket: M165 $\begin{matrix} Y \\ YP \\ S \\ G \end{matrix}$ -SBK $\begin{matrix} 35D \\ 40D \end{matrix}$ -C

Servo Motor Bracket Dimensions:



M165 $\begin{matrix} Y \\ YP \\ S \\ G \end{matrix}$ -SBK $\begin{matrix} 35D \\ 40D \end{matrix}$ -C servo motor bracket dimension:

Model	D1	W1	Y	d1	CL1	L2	h1	T1	Bearing Model	Mass	Matching Support Unit
										(kg)	
M165YP-SBK35D-C	110	145	M8	Φ35	18	81	56	Φ52	35TAC72	12.98	SBK35 BF35
M165Y-SBK35D-C	130	165	M10							12.66	
M165S-SBK35D-C	150	185								12.3	
M165G-SBK35D-C	114.3	200	M12							12.9	
M165YP-SBK40D-C	110	145	M8	Φ40	18	83	56	Φ58	40TAC72	12.8	SBK40
M165Y-SBK40D-C	130	165	M10							12.5	
M165S-SBK40D-C	150	185								12.2	
M165G-SBK40D-C	114.3	200	M12							12.8	

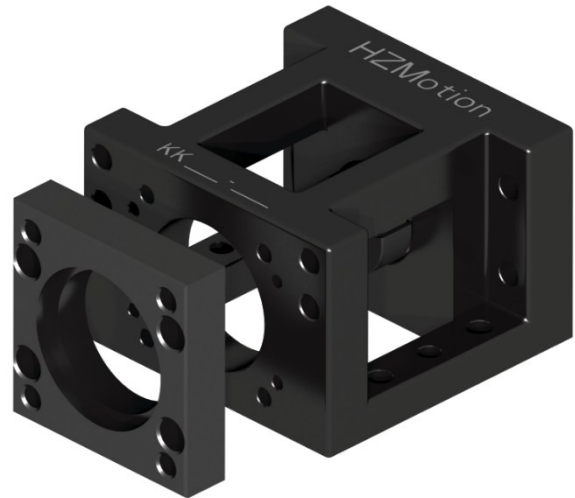
Dimensions in [mm]

KK Type Servo Motor Bracket

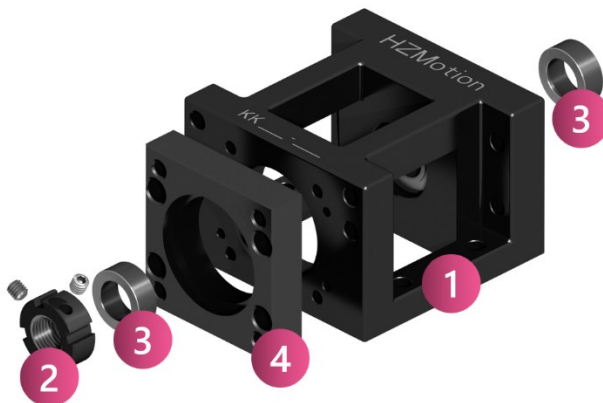
General description:

KK-type integrated servo motor bracket combines the motor seat and the bearing seat into one unit. The KK-type motor mounting bracket has the following unique features:

- Integrated bearing support.
One-piece integrally machined servo motor bracket not only ensures geometric tolerance but also significantly reduce costs.
- Radial and axial mounting.
Flexible mounting options helps system integration in compact and compact system.
- Optional motor adapter flange.
Optional motor adapter flange allows wide servo or stepper motor compatibility.



List of contents:



Part No.	Description	Unit	QTY
1-(1)	Bearing Housing	pcs	1
1-(2)	Bearing	pair	1
1-(3)	Holding Lid	pcs	1
1-(4)	Seal	pcs	1
2	Lock Nut	pcs	1
3	Collar (QTY varies)	pcs	1 / 2
4	Motor Adapter Flange (Optional)	pcs	1

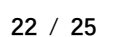
Product availability and main characteristics:

Model	Equipped Bearing Type	Bearing Configuration	Available Bearing Grade	Bearing Model	Weight (kg)	Max Axial Load (kgf)	Available Motor Adapter							
							38A	40B	60C	60D	60DP	80E	80EP	85F
KK50-FK06	Deep Groove Ball bearing	- - -	C5 C4 C3	606ZZ	0.37	- - -	Y	Y						
KK60-FK08	Angular Contact Ball Bearing	DF		708C	0.52	52	Y	Y	Y					
KK60-FK08L				7900C	0.52	52	Y	Y	Y					
KK86-FK10				7000A	1.43	212	Y	Y	Y	Y	Y		Y	
KK86-FK10L				7001A	1.43	243	Y	Y	Y	Y	Y		Y	
KK100-FK15				7002A	2.09	279				Y		Y	Y	Y

Servo Motor Bracket Dimensions:



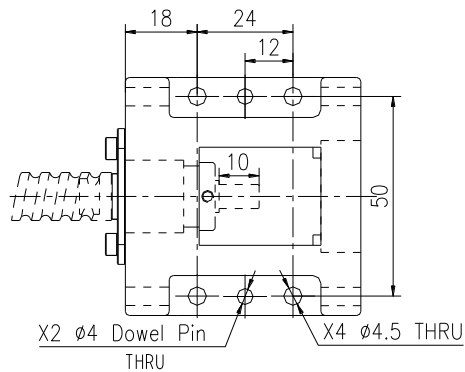
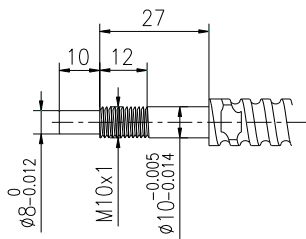
38A



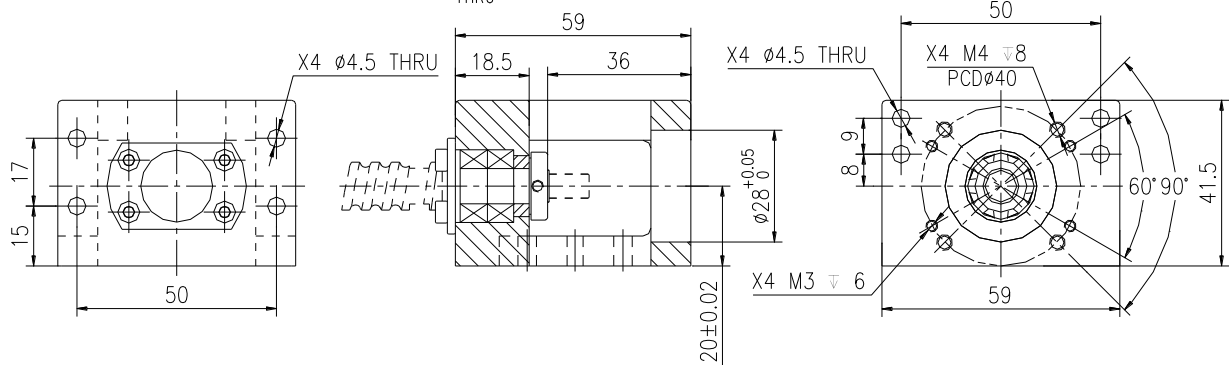
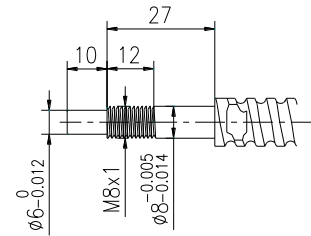
KK Type Servo Motor Bracket: KK60-FK ⁰⁸_{08L}

Servo Motor Bracket Dimensions:

KK60-FK08L

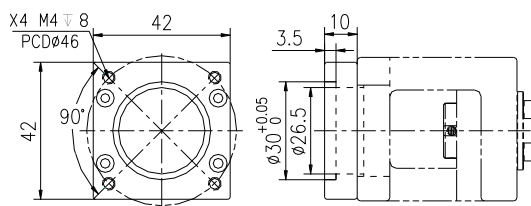


KK60-FK08

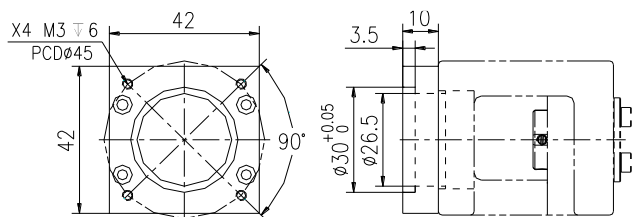


Optional Motor Adapter Flange Dimension:

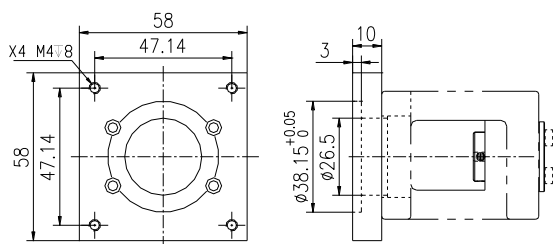
40B



38A

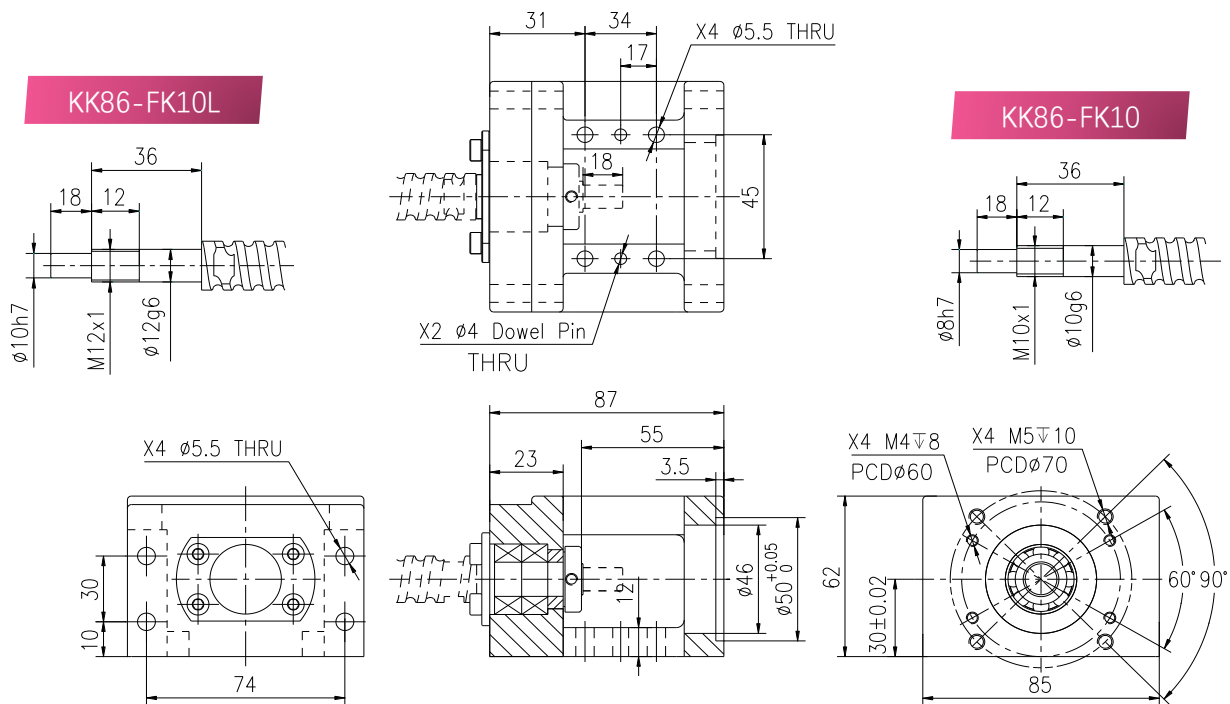


60C

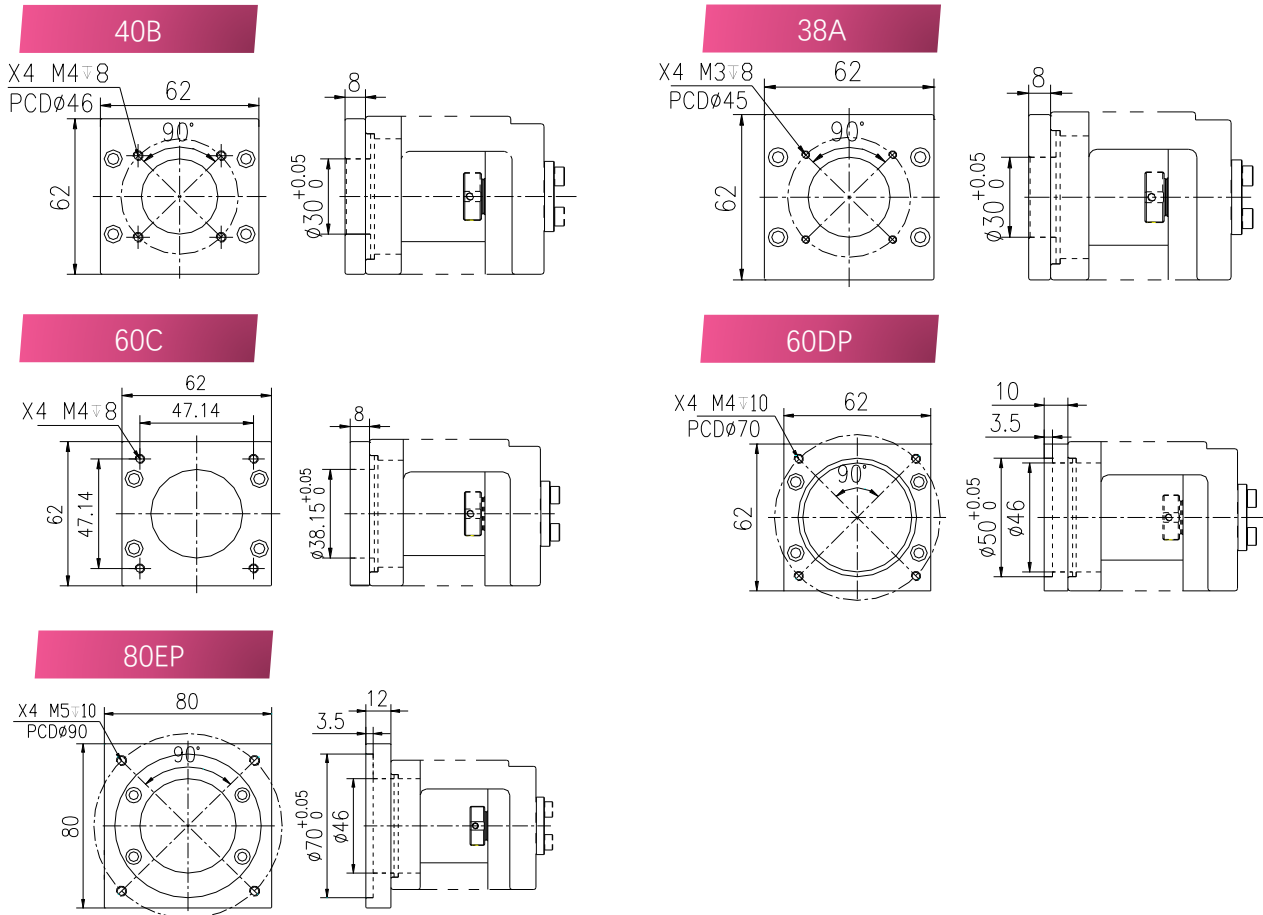


KK Type Servo Motor Bracket: KK86-FK¹⁰_{10L}

Servo Motor Bracket Dimensions:

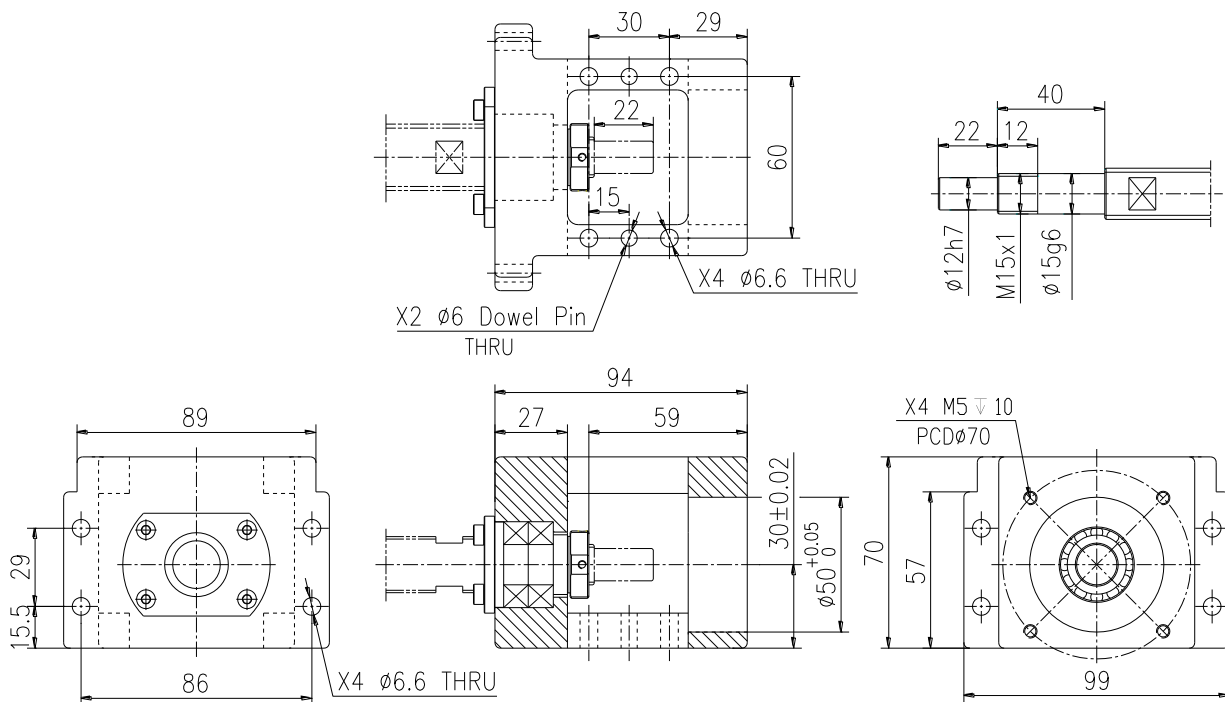


Optional Motor Adapter Flange Dimension:



KK Type Servo Motor Bracket: KK100-FK15

Servo Motor Bracket Dimensions:



Optional Motor Adapter Flange Dimension:

