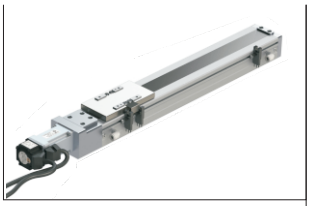
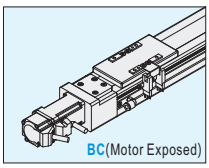
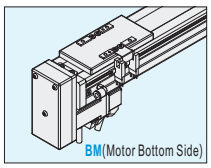
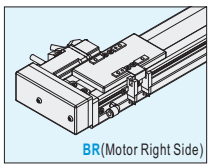
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC6	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

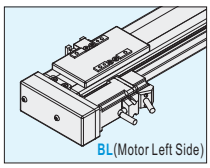
! This product does not include a motor, the motor must be purchased separately.



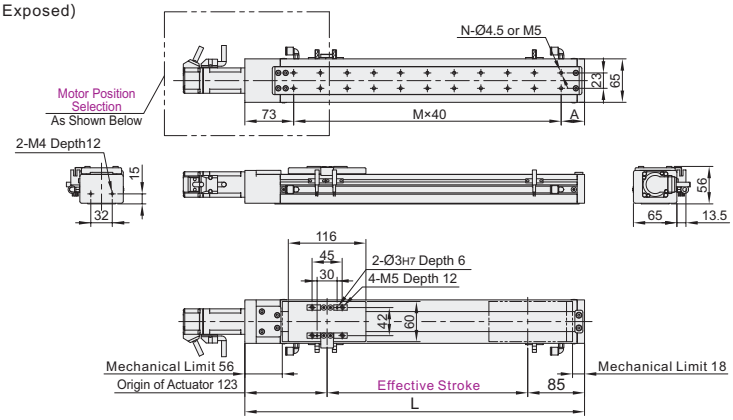


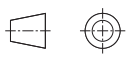






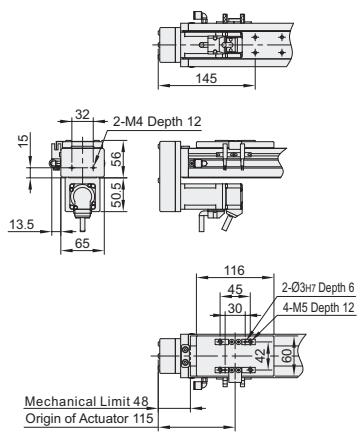
Motor Position :
BC(Motor Exposed)



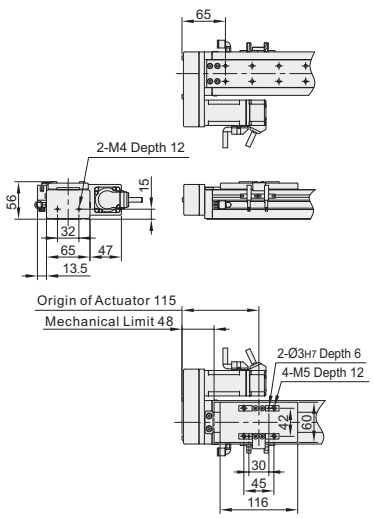


Motor Position Selection

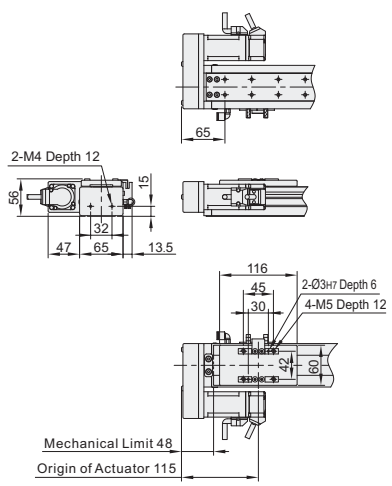
BM(Motor Bottom Side)



BR(Motor Right Side)



BL(Motor Left Side)



Part Number		Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor	Installation Method
Code	Ball Screw Lead	(50mm Inc.)							
YCBSC6	5 10	100~800 Non-standard stroke can be customized	BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	10(100W Servo) 57(57 Stepping) ! 57 Stepping Only applicable to Leadshine brand.	N(Without Brake) B(With Brake)	Out Side C(Motor Side) D(OppoSite Motor Side) No Sensor E(No Sensor)	Out Side 3(1 Pc) 4(2 Pcs) No Sensor 5(No Sensor)	H (Install On Bottom) M (Install On Internal)

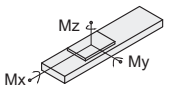
Specification

Recommended Motor Output			57 Stepping		100W Servo	
Spec	Positioning Repeatability		±0.01		±0.01	
	Ball Screw Lead		5	10	5	10
	Maximum Payload(kg)	Horizontal	30	15	30	15
		Vertical	10	5	10	5
	Rated Thrust (N)		340	170	340	170
Parts	Ball Screw Outer Diameter		12			
	Linear Guide Rail		42×19.5 Single Branch,Single Slide Block			
	Home Sensor	Out Side	EE-SX672(NPN)			
		In Side	—			

Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

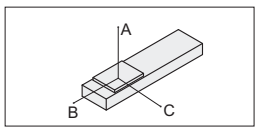
Mxd	75N.m
Myd	80N.m
Mzd	70N.m

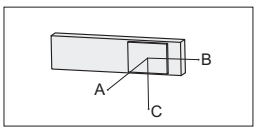


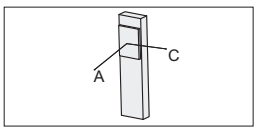
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

Explanation :
1. The actual load shall meet the following conditions:
(a) Meet the maximum load condition in the "Specification" table.
(b) Satisfy the torque condition in the "Allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
2. The data in the table is based on the rated life of 10000km.
3. The repeated positioning accuracy in the table is a unidirectional value.
4. The maximum speed of the lead screw drive slider is reached after a certain travelNeed to be reduced. In order to avoid the resonance of the sliding table, different travel corresponding please refer to the table below for the maximum speed.
5. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not workreach top speed.
6. If the sliding table is used vertically, please choose the belt brake motor.

Load allowable moment table (unit: mm)







Horizontal installation		A	B	C
Lead 5	10kg	500	43	107
	30kg	125	10	24
Lead 10	3kg	790	145	310
	8kg	280	49	107
	15kg	135	23	50

Wall-mounted installation		A	B	C
Lead 5	15kg	63	25	304
	30kg	22	9	119
Lead 10	3kg	304	140	776
	8kg	104	48	273
	15kg	48	22	131

Vertical installation		A	C
Lead 5	2kg	250	250
	4kg	125	125
	10kg	50	50
Lead 10	1kg	446	446
	2kg	223	223
	5kg	89	89

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke														
			100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
12	57 Stepping	5	41														
		10	83														
	100W Servo	5	250											225	220	175	150
		10	500											450	400	350	300

Dimension Table

Motor Position	Dimension	Stroke														
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
BC (Motor Exposed)	L	308	358	408	458	508	558	608	658	708	758	808	858	908	958	1008
	A	35	45	55	65	35	45	55	65	35	45	55	65	35	45	55
	M	5	6	7	8	10	11	12	13	15	16	17	18	20	21	22
	N	12	14	16	18	22	24	26	28	32	34	36	38	42	44	46
	Weight(kg)※	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2	5.4
BM (Motor Bottom Side)	L	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
	A	35	45	55	65	35	45	55	65	35	45	55	65	35	45	55
	M	3	4	5	6	8	9	10	11	13	14	15	16	18	19	20
	N	8	10	12	14	18	20	22	24	28	30	32	34	38	40	42
	Weight(kg)※	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2	5.4
BR (Motor Right Side)	L	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
	A	35	45	55	65	35	45	55	65	35	45	55	65	35	45	55
	M	5	6	7	8	10	11	12	13	15	16	17	18	20	21	22
	N	12	14	16	18	12	24	26	28	32	34	36	38	42	44	46
	Weight(kg)※	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2	5.4
BL (Motor Left Side)	L	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
	A	35	45	55	65	35	45	55	65	35	45	55	65	35	45	55
	M	5	6	7	8	10	11	12	13	15	16	17	18	20	21	22
	N	12	14	16	18	12	24	26	28	32	34	36	38	42	44	46
	Weight(kg)※	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2	5.4

※ Not include motor weight.

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3D model library | Example | Catalog for selection

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	100W	MSMF012L1U2M	MADLN05SE
		With Brake(Vertical)		MSMF012L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	100W	HG-KN13J-S100	MR-JE-10A
		With Brake(Vertical)		HG-KN13BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	100W	ECMA-C20401GS	ASD-B2-0121-B
		With Brake(Vertical)		ECMA-C20401FS	

Please consult our staff for other types of motor .
The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models , without motors and drivers.

Please order as shown

Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor	Installation Method
Code	Ball Screw Lead								
YCBSC6	5	100-800	BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	10(100W Servo) 57(57 Stepping)	N(Without Brake) B(With Brake)	Out Side C(Motor Side) D(OppoSite Motor Side)	Out Side 3(1 Pc) 4(2 Pcs)	H(Install On Bottom) M(Install On Internal)
	10								

YCBSC6—10—550—BM—M—10—N—C—3—H

Discount price

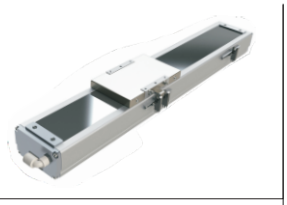
Per	1~4	5~
Price	100%	Additional quotation

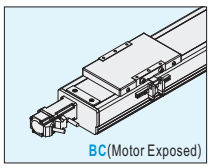
Delivery 13

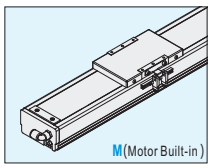
Quantity (1~4 Pcs)

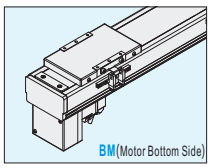
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC10	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

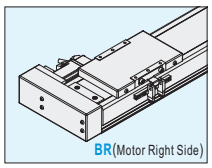
! This product does not contain a motor,the motor must be purchased separately.

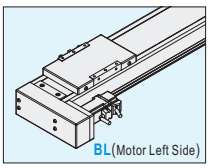



BC(Motor Exposed)


M(Motor Built-in)

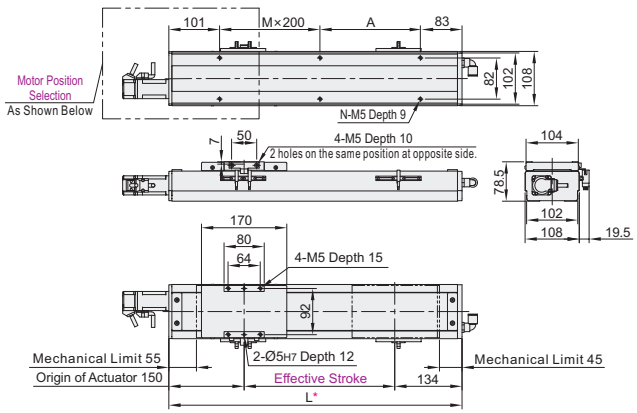

BM(Motor Bottom Side)


BR(Motor Right Side)


BL(Motor Left Side)

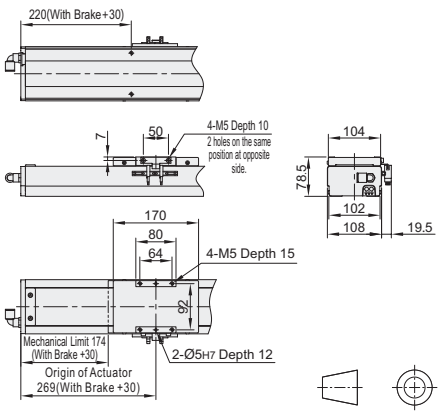
Motor Position :

BC(Motor Exposed)



*M(Motor Built-in)With Brake+30

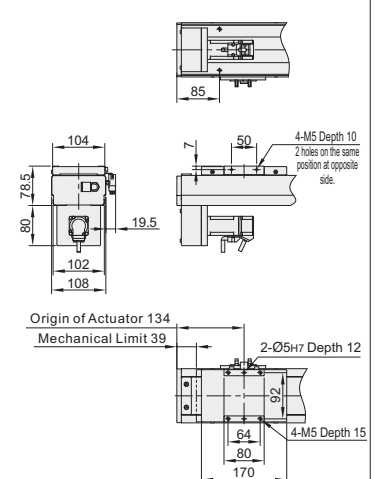
M(Motor Built-in)



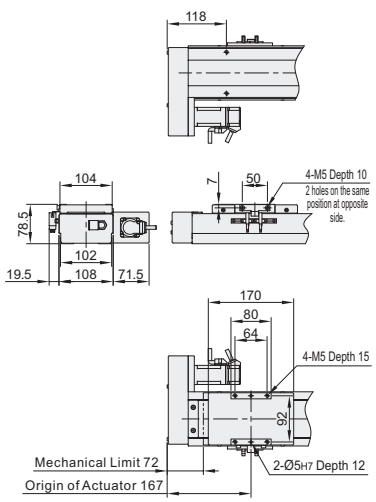
The first perspective

Motor Position Selection

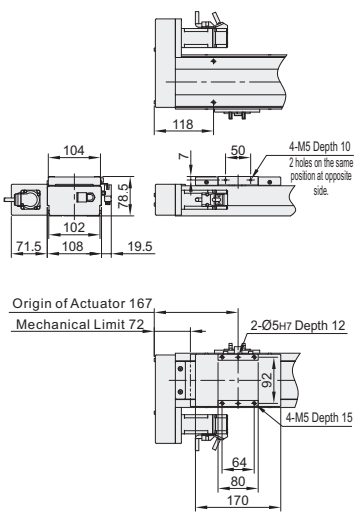
BM(Motor Bottom Side)



BR(Motor Right Side)



BL(Motor Left Side)



Part Number		Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)						
YCBSC10	5 10 16 20	100~1050 Non-standard stroke can be customized	M(Motor Built-in)※ BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side) BL(Motor Left Side) ※M (Motor Built-in) Motor Output are not suitable for 57 stepper motors.	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	10(100W Servo) 57(57 Stepping) ! 57 Stepping Only applicable to Leadshine brand. ! If 57 series stepper motors are used, it is recommended to choose the model with the maximum static torque greater than 0.64 N.m.	N(Without Brake) B(With Brake)	In Side A (Motor Side) B (OppoSite Motor Side) Out Side C (Motor Side) D (OppoSite Motor Side) No Sensor E(No Sensor)	In Side 1(1 Pc) 2(2 Pcs) Out Side 3(1 Pc) 4(2 Pcs) No Sensor 5(No Sensor)

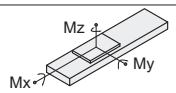
Specification

Recommended Motor Output			100W Servo			
Spec	Positioning Repeatability		±0.01			
	Ball Screw Lead		5	10	16	20
	Maximum Payload(kg)	Horizontal	50	30	22	18
		Vertical	12	8	5	3
	Rated Thrust (N)		340	170	106	85
Parts	Ball Screw Outer Diameter		16			
	Linear Guide Rail		20×17.5 Single Branch,Single Slide Block			
	Home Sensor	Out Side	EE-SX672(NPN)			
		In Side	EE-SX674(NPN)			

Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

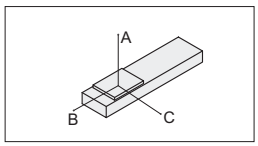
Mxd	120N.m
Myd	110N.m
Mzd	110N.m

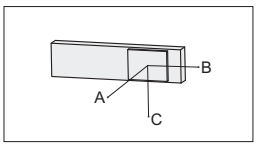


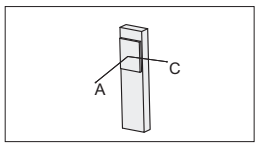
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

Explanation :
1. The actual load shall meet the following conditions:
(a) Meet the maximum load condition in the "Specification" table.
(b) Satisfy the torque condition in the "Allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
2. The data in the table is based on the rated life of 10000km.
3. The repeated positioning accuracy in the table is a unidirectional value.
4. The maximum speed of the lead screw drive slider is reached after a certain travelNeed to be reduced. In order to avoid the resonance of the sliding table, different travel corresponding please refer to the table below for the maximum speed.
5. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not workreach top speed.
6. If the sliding table is used vertically, please choose the belt brake motor.

Load allowable moment table (unit: mm)







Horizontal installation		A	B	C
Lead 5	30kg	547	42	42
	40kg	391	29	29
	50kg	298	22	21
Lead 10	15kg	521	84	80
	25kg	298	47	44
	30kg	242	37	35
Lead 16	5kg	937	282	259
	10kg	487	121	116
	22kg	236	40	44
Lead 20	5kg	675	224	193
	10kg	330	107	93
	18kg	175	55	48

Wall-mounted installation		A	B	C
Lead 5	25kg	52	53	670
	35kg	35	35	455
	50kg	21	22	298
Lead 10	10kg	124	131	770
	20kg	58	61	382
	30kg	35	37	242
Lead 16	5kg	116	58	605
	10kg	24	26	253
Lead 20	6kg	160	185	562
	12kg	76	88	272
	18kg	48	55	175

Vertical installation		A	C
Lead 5	5kg	310	310
	8kg	192	192
	12kg	129	129
Lead 10	4kg	344	344
	8kg	172	172
Lead 16	2kg	580	580
	5kg	310	310
Lead 20	2kg	546	546
	3kg	364	364

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke																			
			100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
16	100W Servo	5	250														225	200	175	150	125	100
		10	500														450	400	350	300	250	200
		16	800														720	640	560	480	400	320
		20	1000														900	800	700	600	500	400

Dimension Table

Motor Position	Dimension	Stroke																				
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
M (Motor Built-in)	L	503	553	603	653	703	753	803	853	903	953	1003	1053	1103	1153	1203	1253	1303	1353	1403	1453
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.3	15.7	16.1
BC (Motor Exposed)	L	384	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	7.8	8.2	8.6	9	9.4	9.8	10.2	10.6	11	11.4	11.8	12.2	12.6	13	13.4	13.8	14.2	14.6	15	15.4
BM (Motor Bottom Side)	L	368	418	468	518	568	618	668	718	768	818	868	918	968	1018	1068	1118	1168	1218	1268	1318
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.3
BR (Motor Right Side)	L	401	451	501	551	601	651	701	751	801	851	901	951	1001	1051	1101	1151	1201	1251	1301	1351
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.3
BL (Motor Left Side)	L	401	451	501	551	601	651	701	751	801	851	901	951	1001	1051	1101	1151	1201	1251	1301	1351
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.3

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	100W	MSMF012L1U2M	MADLN05SE
		With Brake(Vertical)		MSMF012L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	100W	HG-KN13J-S100	MR-JE-10A
		With Brake(Vertical)		HG-KN13BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	100W	ECMA-C20401GS	ASD-B2-0121-B
		With Brake(Vertical)		ECMA-C20401FS	

Please consult our staff for other types of motor .
The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models , without motors and drivers.

Please order as shown

Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC10	5 10	100~1050	M(Motor Built-in) BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	10(100W Servo) 57(57 Stepping)	N(Without Brake) B(With Brake)	Out Side C(Motor Side) D(OppoSite Motor Side)	Out Side 3(1 Pc) 4(2 Pcs)

YCBSC10—10—550—BM—M—10—N—D—3

Discount price

Per	1~4	5~
Price	100%	Additional quotation

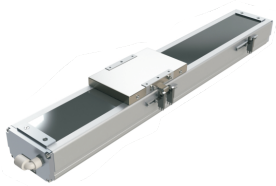
Delivery 13

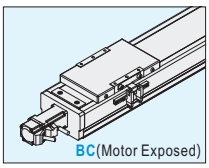
Quantity (1~4 Pcs)

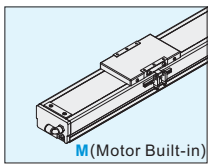
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3D model library | Example | Catalog for selection

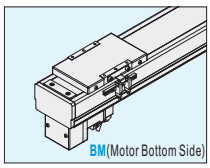
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC12	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

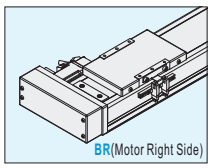
! This product does not contain a motor,the motor must be purchased separately.

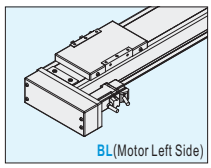






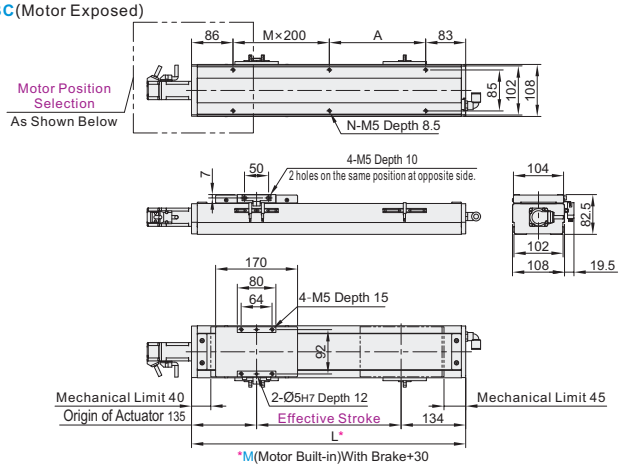




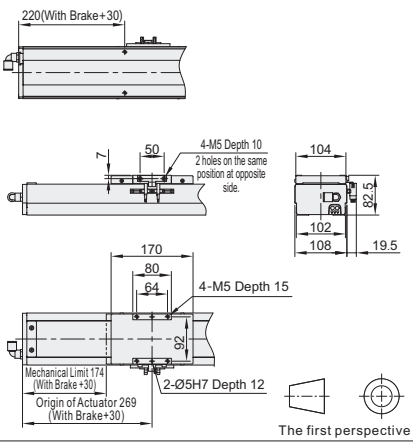


Motor Position:

BC(Motor Exposed)

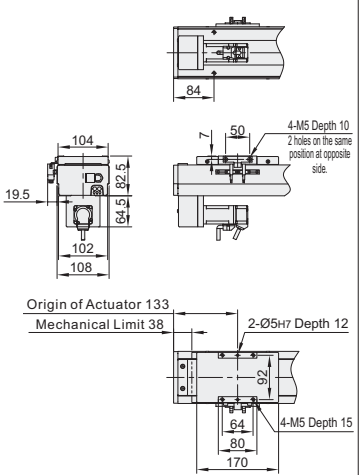


M(Motor Built-in)

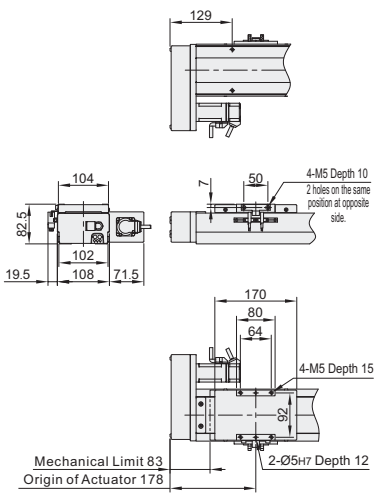


Motor Position Selection

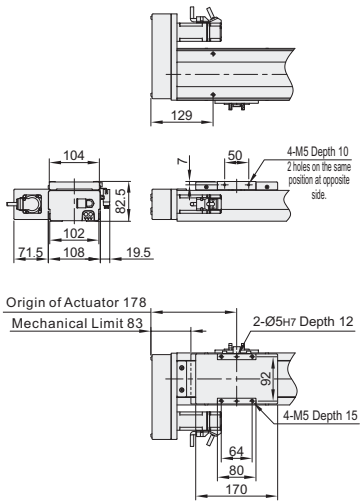
BM(Motor Bottom Side)



BR(Motor Right Side)



BL(Motor Left Side)



Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC12	5 10 16 20	100~1050 Non-standard stroke can be customized	M(Motor Built-in)※ BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side) BL(Motor Left Side) ※M (Motor Built-in) Motor Output are not suitable for 57 stepper motors.	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	10(100W Servo) 57(57 Stepping) ! 57 Stepping Only applicable to Leadshine brand. ! If 57 series stepper motors are used, it is recommended to choose the model with the maximum static torque greater than 0.64 N.m.	N(Without Brake) B(With Brake)	In Side A (Motor Side) B (OppoSite Motor Side) Out Side C (Motor Side) D (OppoSite Motor Side) No Sensor E(No Sensor)	In Side 1(1 Pc) 2(2 Pcs) Out Side 3(1 Pc) 4(2 Pcs) No Sensor 5(No Sensor)

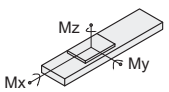
Specification

Recommended Motor Output			100W Servo			
Spec	Positioning Repeatability		±0.01			
	Ball Screw Lead		5	10	16	20
	Maximum Payload(kg)	Horizontal	50	30	22	18
		Vertical	12	8	5	3
	Rated Thrust (N)		340	170	106	85
Parts	Ball Screw Outer Diameter		16			
	Linear Guide Rail		12×8 Double rails,double blocks			
	Home Sensor	Out Side	EE-SX672(NPN)			
		In Side	EE-SX674(NPN)			

Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

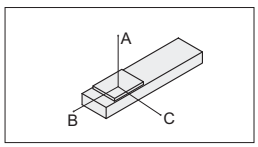
Mxd	130N.m
Myd	150N.m
Mzd	150N.m

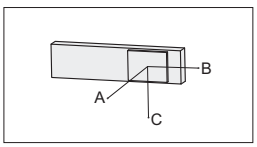


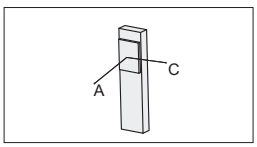
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

Explanation :
1. The actual load shall meet the following conditions:
(a) Meet the maximum load condition in the "Specification" table.
(b) Satisfy the torque condition in the "Allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
2. The data in the table is based on the rated life of 10000km.
3. The repeated positioning accuracy in the table is a unidirectional value.
4. The maximum speed of the lead screw drive slider is reached after a certain travelNeed to be reduced. In order to avoid the resonance of the sliding table, different travel corresponding please refer to the table below for the maximum speed.
5. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not workreach top speed.
6. If the sliding table is used vertically, please choose the belt brake motor.

Load allowable moment table (unit: mm)







Horizontal installation		A	B	C
Lead5	30kg	882	65	78
	40kg	606	43	51
	50kg	437	29	35
Lead10	15kg	875	138	157
	25kg	485	73	83
	30kg	386	56	64
Lead16	5kg	1300	450	456
	10kg	650	210	215
	22kg	310	95	100
Lead20	5kg	1160	384	386
	10kg	561	180	181
	18kg	288	88	89

Wall-mounted installation		A	B	C
Lead5	25kg	100	84	1102
	35kg	63	52	725
	50kg	35	29	433
Lead10	10kg	250	221	1311
	20kg	110	97	633
	30kg	64	56	385
Lead16	5kg	465	450	1050
	10kg	250	245	650
	22kg	95	94	295
Lead20	6kg	317	316	955
	12kg	147	144	455
	18kg	89	88	288

Vertical installation		A	C
Lead5	5kg	544	544
	8kg	341	341
	12kg	227	227
Lead10	4kg	606	606
	8kg	303	303
Lead16	2kg	1085	1085
	5kg	655	655
Lead20	2kg	961	961
	3kg	639	639

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke																			
			100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
16	100W Servo	5	250														225	200	175	150	125	100
		10	500														450	400	350	300	250	200
		16	800														720	640	560	480	400	320
		20	1000														900	800	700	600	500	400

Dimension Table

Motor Position	Dimension	Stroke																			
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
M (Motor Built-in)	L	503	553	603	653	703	753	803	853	903	953	1003	1053	1103	1153	1203	1253	1303	1353	1403	1453
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	6.8	7.2	7.6	8	8.4	8.8	9.2	9.6	10	10.4	10.8	11.2	11.6	12	12.4	12.8	13.2	13.6	14	14.4
BC (Motor Exposed)	L	369	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	6	6.4	6.8	7.2	7.6	8	8.4	8.8	9.2	9.6	10	10.4	10.8	11.2	11.6	12	12.4	12.8	13.2	13.6
BM (Motor Bottom Side)	L	367	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	6	6.4	6.8	7.2	7.6	8	8.4	8.8	9.2	9.6	10	10.4	10.8	11.2	11.6	12	12.4	12.8	13.2	13.6
BR (Motor Right Side)	L	412	462	512	562	612	662	712	762	812	862	912	962	1012	1062	1112	1162	1212	1262	1312	1362
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	6.3	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.5	13.9
BL (Motor Left Side)	L	412	462	512	562	612	662	712	762	812	862	912	962	1012	1062	1112	1162	1212	1262	1312	1362
	A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
	Weight(kg)※	6.3	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.5	13.9

※ Not include motor weight.

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		With Brake(Vertical)		MSMF012L1V2M	
Mitsubihsi	M	Without Brake(Horizontal)	100W	HG-KN13J-S100	MR-JE-10A
		With Brake(Vertical)		HG-KN13BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	100W	ECMA-C20401GS	ASD-B2-0121-B
		With Brake(Vertical)		ECMA-C20401FS	

Please consult our staff for other types of motor .

The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models , without motors and drivers.

Please order as shown

Part Number		Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)						
YCBSC12	5	100~1050	BC(Motor Exposed)	P(Panasonic)	10(100W Servo)	N(Without Brake)	Out Side	Out Side
	10		BM(Motor Bottom Side)	Y(Yaskawa)	57(57 Stepping)	B(With Brake)	C(Motor Side)	3(1 Pc)
			BR(Motor Right Side)	M(Mitsubishi)			D(OppoSite Motor Side)	4(2 Pcs)

YCBSC12—10—550—BM—M—10—N—C—4

Discount price

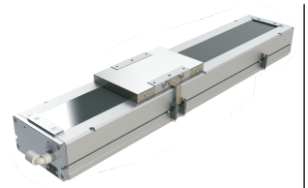
Per	1~4	5~
Price	100%	Additional quotation

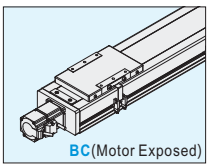
Delivery 13

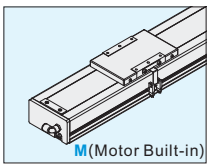
Quantity (1~4 Pcs)

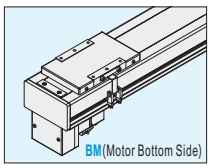
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC14	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

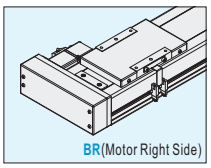
This product does not contain a motor,the motor must be purchased separately.

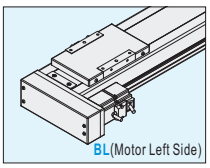



BC(Motor Exposed)


M(Motor Built-in)

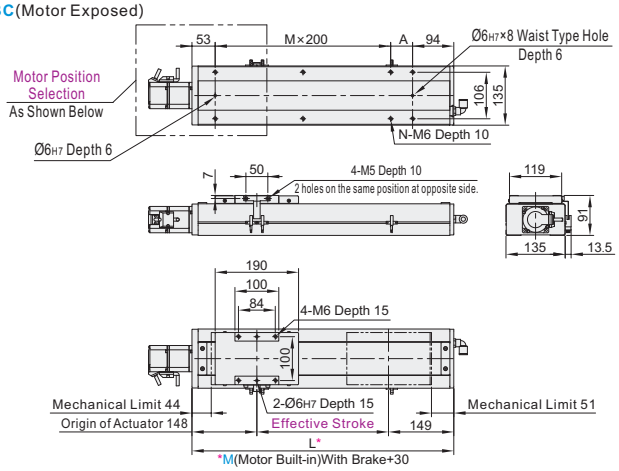

BM(Motor Bottom Side)


BR(Motor Right Side)

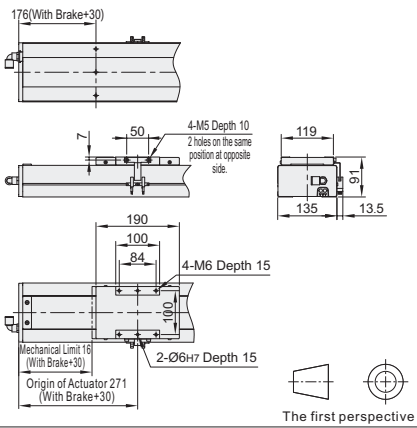

BL(Motor Left Side)

Motor Position:

BC(Motor Exposed)

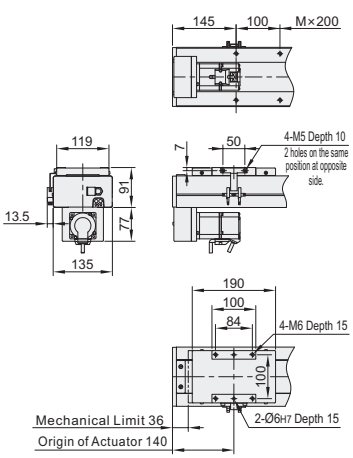


M(Motor Built-in)

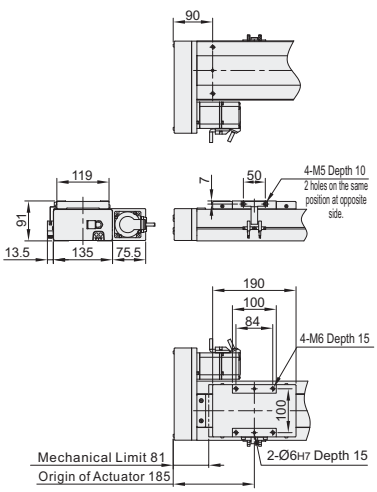


Motor Position Selection

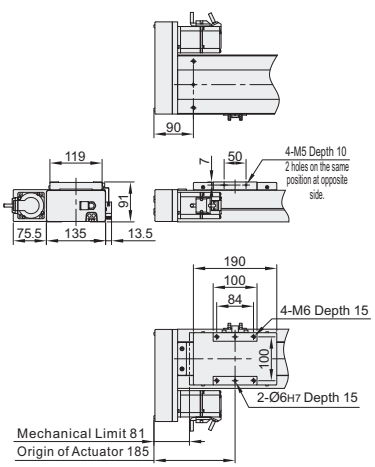
BM(Motor Bottom Side)



BR(Motor Right Side)



BL(Motor Left Side)



Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC14	5 10 16 20	100~1050 Non-standard stroke can be customized	M(Motor Built-in) BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	20(200W Servo) 40(400W Servo) 57(57 Stepping) 57 Stepping Only applicable to Leadshine brand. If 57 series stepper motors are used, it is recommended to choose the model with the maximum static torque greater than 0.64 N.m.	N(Without Brake) B(With Brake)	In Side A (Motor Side) B (OppoSite Motor Side) Out Side C (Motor Side) D (OppoSite Motor Side) No Sensor E(No Sensor)	In Side 1(1 Pc) 2(2 Pcs) Out Side 3(1 Pc) 4(2 Pcs) No Sensor 5(No Sensor)

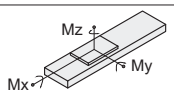
Specification

Recommended Motor Output			200W Servo				400W Servo			
Spec	Positioning Repeatability		±0.01				±0.01			
	Ball Screw Lead		5	10	16	20	5	10	16	20
	Maximum Payload(kg)	Horizontal	95	75	44	35	110	88	48	40
		Vertical	27	18	7	4	33	22	10	8
	Rated Thrust (N)		680	340	212	170	1360	680	415	340
Parts	Ball Screw Outer Diameter		16							
	Linear Guide Rail		15×12.5 Two Branch,Double Slide Blocks							
	Home Sensor	Out Side	EE-SX672(NPN)							
		In Side	EE-SX674(NPN)							

Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

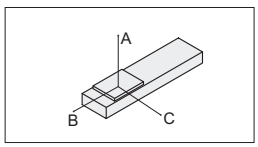
Mxd	485N.m
Myd	552N.m
Mzd	551N.m

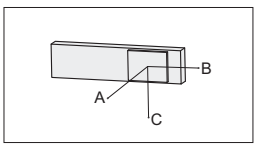


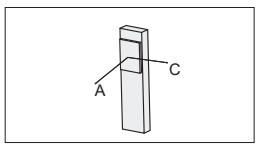
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

Explanation :
1. The actual load shall meet the following conditions:
(a) Meet the maximum load condition in the "Specification" table.
(b) Satisfy the torque condition in the "Allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
2. The data in the table is based on the rated life of 10000km.
3. The repeated positioning accuracy in the table is a unidirectional value.
4. The maximum speed of the lead screw drive slider is reached after a certain travelNeed to be reduced. In order to avoid the resonance of the sliding table, different travel corresponding please refer to the table below for the maximum speed.
5. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not workreach top speed.
6. If the sliding table is used vertically, please choose the belt brake motor.

Load allowable moment table (unit: mm)







Horizontal installation		A	B	C
Lead 5	60kg	2512	242	232
	80kg	1811	172	164
	110kg	1284	114	108
Lead10	30kg	2727	470	430
	50kg	1577	266	242
	88kg	854	134	122
Lead 16	10kg	2265	1674	961
	20kg	1402	855	537
	48kg	1047	445	324
Lead 20	10kg	2304	1222	1028
	22kg	1443	540	451
	40kg	860	277	233

Wall-mounted installation		A	B	C
Lead 5	55kg	257	269	2883
	75kg	178	186	2000
	110kg	108	114	1284
Lead10	35kg	363	395	2368
	55kg	218	238	1445
	88kg	123	134	854
Lead 16	10kg	461	372	1410
	20kg	264	178	1027
	48kg	148	69	832
Lead 20	12kg	854	1019	2552
	20kg	500	596	1588
	40kg	233	277	860

Vertical installation		A	C
Lead 5	15kg	1118	1118
	22kg	770	770
	33kg	513	513
Lead10	10kg	1500	1500
	14kg	1072	1072
	22kg	682	682
Lead 16	2kg	1067	1067
	4kg	997	997
	10kg	747	747
Lead 20	7kg	1700	1700
	10kg	1188	1188

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke																			
			100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
16	200W 400W Servo	5	250														225	200	175	150	125	100
		10	500														450	400	350	300	250	200
		16	800														720	640	560	480	400	320
		20	1000														900	800	700	600	500	400

Dimension Table

Motor Position	Dimension	Stroke																			
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
M (Motor Built-in)	L	520	570	620	670	720	770	820	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
	Weight(kg)※	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1
BC (Motor Exposed)	L	397	447	497	547	597	647	697	747	797	847	897	947	997	1047	1097	1147	1197	1247	1297	1347
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
	Weight(kg)※	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1
BM (Motor Bottom Side)	L	389	439	489	539	589	639	689	739	789	839	889	939	989	1039	1089	1139	1189	1239	1289	1339
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
	Weight(kg)※	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3
BR (Motor Right Side)	L	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
	Weight(kg)※	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3
BL (Motor Left Side)	L	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
	Weight(kg)※	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	200W	MSMF022L1U2M	MADLN15SE
		With Brake(Vertical)		MSMF022L1V2M	
		Without Brake(Horizontal)	400W	MHMF042L1U2M	MBDLN25SE
		With Brake(Vertical)		MHMF042L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	200W	HG-KN23J-S100	MR-JE-20A
		With Brake(Vertical)		HG-KN23BJ-S100	
		Without Brake(Horizontal)	400W	HG-KN43J-S100	MR-JE-40A
		With Brake(Vertical)		HG-KN43BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	200W	ECMA-C20602RS	ASD-B2-0221-B
		With Brake(Vertical)		ECMA-C20602SS	
		Without Brake(Horizontal)	400W	ECM-B3M-C20604RS1	ASD-B3-0421-L
		With Brake(Vertical)		ECM-B3M-C20604SS1	

Please consult our staff for other types of motor .

The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models , without motors and drivers.

Please order as shown

Part Number		Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)						
YCBSC14	5	100~1050	BC(Motor Exposed)	P(Panasonic)	20(200W Servo)	N(Without Brake)	Out Side	Out Side
	10		BM(Motor Bottom Side)	Y(Yaskawa)	40(400W Servo)	B(With Brake)	C(Motor Side)	3(1 Pc)
			BR(Motor Right Side)	M(Mitsubishi)			D(OppoSite Motor Side)	4(2 Pcs)

YCBSC14—10—550—BM—M—40—N—C—4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

Delivery 13

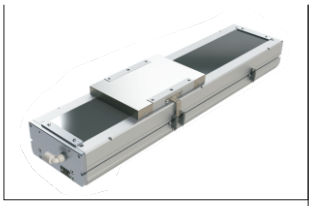
Quantity (1~4 Pcs)

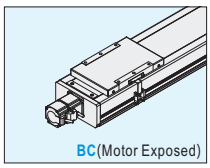
Linear Actuators

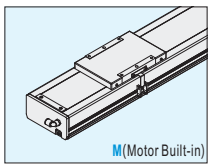
www.yhdfa.vn
Factory Automation Parts
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Ordering online saves more time.
Improve efficiency and save 50% design time !
3D model library | Example | Catalog for selection

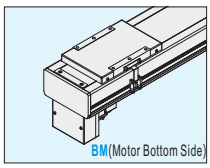
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC17	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

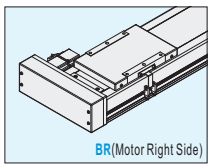
This product does not contain a motor,the motor must be purchased separately.

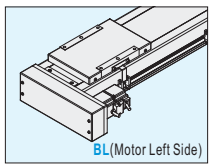



BC(Motor Exposed)


M(Motor Built-in)

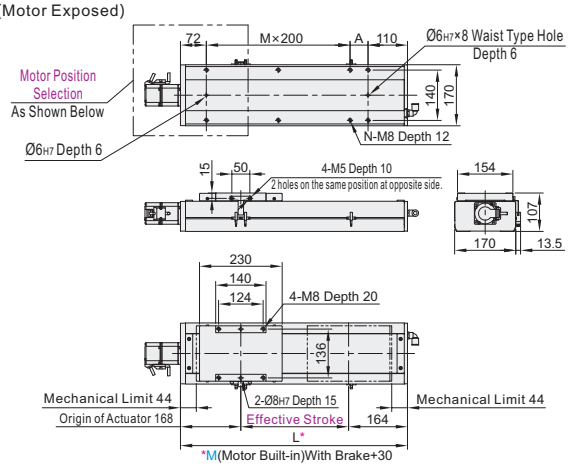

BM(Motor Bottom Side)


BR(Motor Right Side)

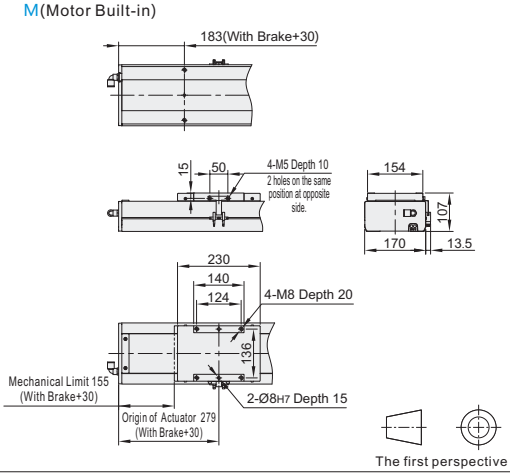

BL(Motor Left Side)

Motor Position :

BC(Motor Exposed)

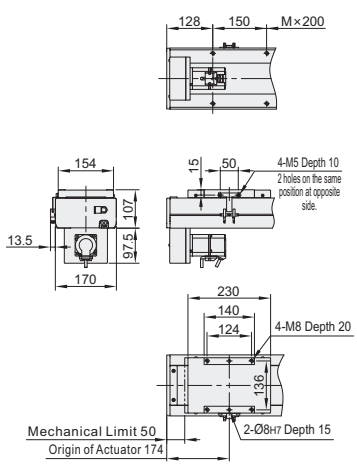


M(Motor Built-in)

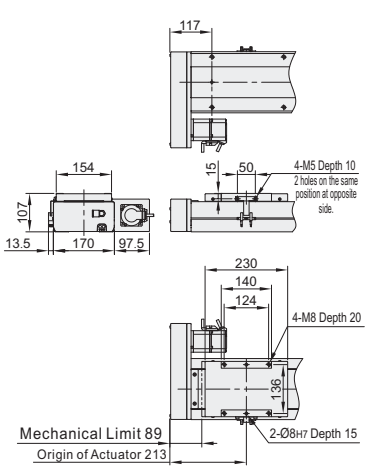


Motor Position Selection

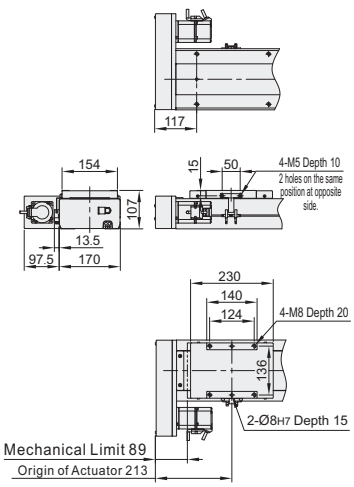
BM(Motor Bottom Side)



BR(Motor Right Side)



BL(Motor Left Side)



Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC17	5 10 20 40	100~1250 Non-standard stroke can be customized	M(Motor Built-in)※ BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side) BL(Motor Left Side) ※M (Motor Built-in) Motor Output are not suitable for 750W Servo motors.	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	40(400W Servo) 75(750W Servo)	N(Without Brake) B(With Brake)	In Side A (Motor Side) B (OppoSite Motor Side) Out Side C (Motor Side) D (OppoSite Motor Side) No Sensor E(No Sensor)	In Side 1(1 Pc) 2(2 Pcs) Out Side 3(1 Pc) 4(2 Pcs) No Sensor 5(No Sensor)

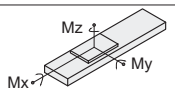
Specification

Recommended Motor Output			400W Servo				750W Servo			
Spec	Positioning Repeatability		±0.01				±0.01			
	Ball Screw Lead		5	10	20	40	5	10	20	40
	Maximum Payload(kg)	Horizontal	110	90	75	35	120	95	83	50
		Vertical	40	30	14	7	50	40	25	10
	Rated Thrust (N)		1360	680	340	170	2550	1275	637	318
Parts	Ball Screw Outer Diameter		20							
	Linear Guide Rail		20×15.5 Two Branch,Double Slide Blocks							
	Home Sensor	Out Side	EE-SX672(NPN)							
		In Side	EE-SX674(NPN)							

! Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

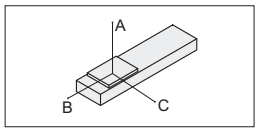
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Myd	1034N.m
Mzd	1032N.m

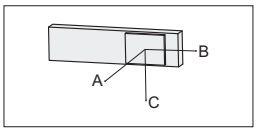


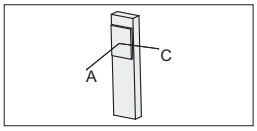
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

Explanation :
1. The actual load shall meet the following conditions:
(a) Meet the maximum load condition in the "Specification" table.
(b) Satisfy the torque condition in the "Allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
2. The data in the table is based on the rated life of 10000km.
3. The repeated positioning accuracy in the table is a unidirectional value.
4. The maximum speed of the lead screw drive slider is reached after a certain travelNeed to be reduced. In order to avoid the resonance of the sliding table, different travel corresponding please refer to the table below for the maximum speed.
5. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not workreach top speed.
6. If the sliding table is used vertically, please choose the belt brake motor.

Load allowable moment table (unit: mm)







Horizontal installation		A	B	C
Lead 5	70kg	3235	349	408
	90kg	2482	263	306
	120kg	1861	187	218
Lead 10	65kg	1911	338	373
	85kg	1445	248	276
	120kg	1000	164	182
Lead 20	35kg	1666	547	538
	55kg	1030	331	328
	83kg	654	206	204
Lead 40	15kg	1126	740	577
	22kg	755	491	384
	43kg	366	231	183

Wall-mounted installation		A	B	C
Lead 5	75kg	377	322	2988
	95kg	288	246	2333
	120kg	218	187	1850
Lead 10	60kg	408	368	2092
	80kg	296	266	1554
	120kg	182	164	1002
Lead 20	30kg	633	644	1961
	50kg	365	369	1143
	83kg	204	206	656
Lead 40	12kg	729	936	1417
	22kg	384	491	755
	43kg	183	231	366

Vertical installation		A	C
Lead 5	20kg	1368	1368
	30kg	911	911
	50kg	546	546
Lead 10	15kg	1618	1618
	25kg	970	970
	40kg	607	607
Lead 20	10kg	1922	1922
	14kg	1377	1377
	25kg	769	769
Lead 40	7kg	1356	1356
	12kg	790	790

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke																							
			100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
16	400W 750W Servo	5	250																225	225	200	200	200	175	175	175
		10	500																450	450	400	400	400	350	350	350
		20	1000																900	900	800	800	800	700	700	700
		40	2000																1800	1800	1600	1600	1600	1400	1400	1400

Dimension Table

Motor Position	Dimension	Stroke																							
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
M (Motor Built-in)	L	542	592	642	692	742	792	842	892	942	992	1042	1092	1142	1192	1242	1292	1342	1392	1442	1492	1542	1592	1642	1692
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
	Weight(kg)※	14.8	15.6	16.4	17.2	18	18.8	19.6	20.4	21.2	22	22.8	23.6	24.4	25.2	26	26.8	27.6	28.4	29.2	30	30.8	31.6	32.4	33.2
BC (Motor Exposed)	L	432	482	532	582	632	682	732	782	832	882	932	982	1032	1082	1132	1182	1232	1282	1332	1382	1432	1482	1532	1582
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
	Weight(kg)※	13.5	14.3	15.1	15.9	16.7	17.5	18.3	19.1	19.9	20.7	21.5	22.3	23.1	23.9	24.7	25.5	26.3	27.1	27.9	28.7	29.5	30.3	31.1	31.9
BM (Motor Bottom Side)	L	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238	1288	1338	1388	1438	1488	1538	1588
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
	Weight(kg)※	13.7	14.5	15.3	16.1	16.9	17.7	18.5	19.3	20.1	20.9	21.7	22.5	23.3	24.1	24.9	25.7	26.5	27.3	28.1	28.9	29.7	30.5	31.3	32.1
BR (Motor Right Side)	L	477	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
	Weight(kg)※	13.7	14.5	15.3	16.1	16.9	17.7	18.5	19.3	20.1	20.9	21.7	22.5	23.3	24.1	24.9	25.7	26.5	27.3	28.1	28.9	29.7	30.5	31.3	32.1
BL (Motor Left Side)	L	477	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
	N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
	Weight(kg)※	13.7	14.5	15.3	16.1	16.9	17.7	18.5	19.3	20.1	20.9	21.7	22.5	23.3	24.1	24.9	25.7	26.5	27.3	28.1	28.9	29.7	30.5	31.3	32.1

※ Not include motor weight.

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3D model library | Example | Catalog for selection

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	400W	MSMF042L1U2M	MBDLN25SE
		With Brake(Vertical)		MSMF042L1V2M	
		Without Brake(Horizontal)	750W	MSMF082L1U2M	MCDLN35SE
		With Brake(Vertical)		MSMF082L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	400W	HG-KN43J-S100	MR-JE-40A
		With Brake(Vertical)		HG-KN43BJ-S100	
		Without Brake(Horizontal)	750W	HG-KN73J-S100	MR-JE-70A
		With Brake(Vertical)		HG-KN73BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	400W	ECMA-C20604RS	ASD-B2-0421-B
		With Brake(Vertical)		ECMA-C20604SS	
		Without Brake(Horizontal)	750W	ECMA-C20807RS	ASD-B2-0721-B
		With Brake(Vertical)		ECMA-C20807SS	

Please consult our staff for other types of motor .

The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models , without motors and drivers.

Please order as shown

Part Number		Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)						
YCBSC17	5	100~1250	BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	40(400W Servo) 75(750W Servo)	N(Without Brake) B(With Brake)	Out Side C(Motor Side) D(OppoSite Motor Side)	Out Side 3(1 Pc) 4(2 Pcs)
	10							

YCBSC17—10—550—BM—M—75—N—C—3

Discount price

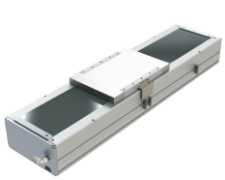
Per	1~4	5~
Price	100%	Additional quotation

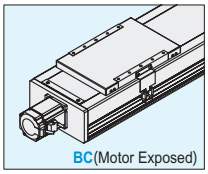
Delivery 13

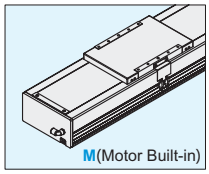
Quantity (1~4 Pcs)

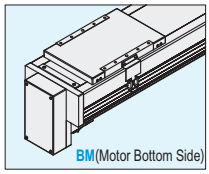
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC22	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

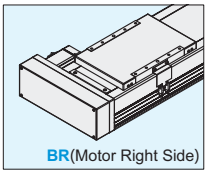
This product does not contain a motor,the motor must be purchased separately.

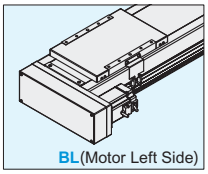



BC(Motor Exposed)


M(Motor Built-in)

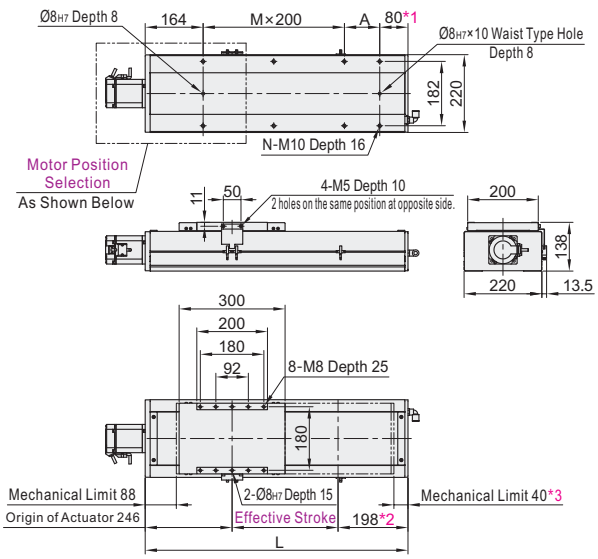

BM(Motor Bottom Side)


BR(Motor Right Side)

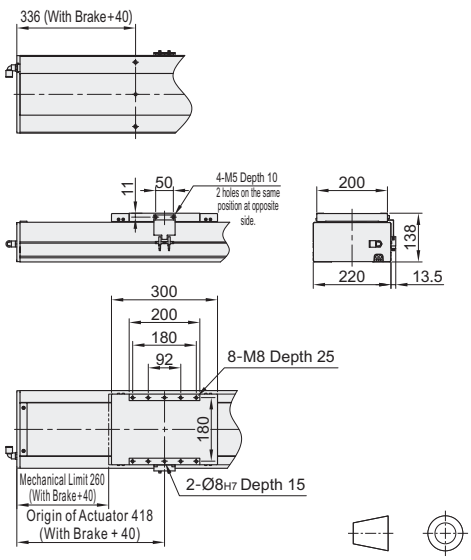

BL(Motor Left Side)

Motor Position :
BC(Motor Exposed)

*1: The BM/BR/BL size is 109.
*2: The BM/BR/BL size is 227.
*3: The BM/BR/BL size is 70.



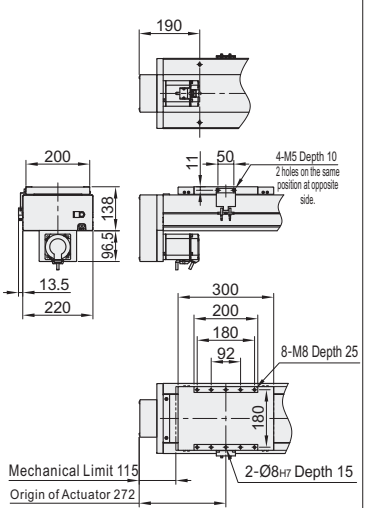
M(Motor Built-in)

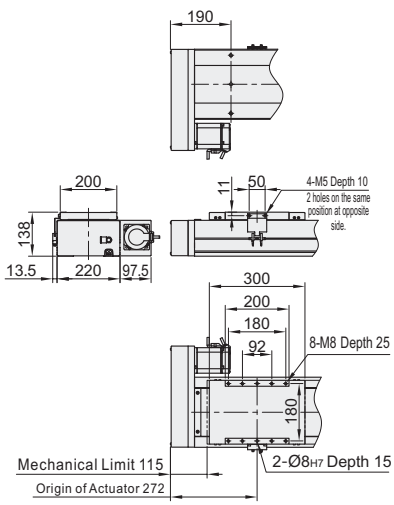


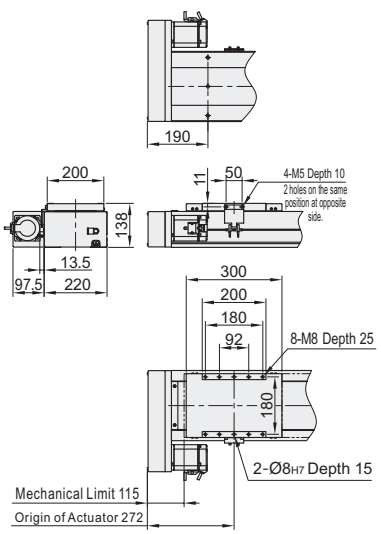
The first perspective

Motor Position Selection

BM(Motor Bottom Side)	BR(Motor Right Side)	BL(Motor Left Side)







Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC22	5	100~1500 Non-standard stroke can be customized	M(Motor Built-in) BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	75(750W Servo)	N(Without Brake) B(With Brake)	In Side A (Motor Side) B (OppoSite Motor Side) Out Side C (Motor Side) D (OppoSite Motor Side) No Sensor E(No Sensor)	In Side 1(1 Pc) 2(2 Pcs) Out Side 3(1 Pc) 4(2 Pcs) No Sensor 5(No Sensor)
	10							
	25							
	40							

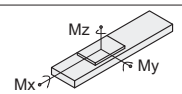
Specification

Recommended Motor Output			750W Servo			
Spec	Positioning Repeatability		±0.01			
	Ball Screw Lead		5	10	25	40
	Maximum Speed(mm/s)		250	500	1250	2000
	Maximum Payload(kg)	Horizontal	150	150	120	60
		Vertical	55	45	20	10
	Rated Thrust (N)		2100	1050	420	262
	Effective Stroke(mm)		100~1500(50mm Pitch)			
Parts	Ball Screw Outer Diameter		25			20
	Linear Guide Rail		23×18 Two Branch,Double Slide Blocks			
	Home Sensor	Out Side	EE-SX672(NPN)			
		In Side	EE-SX674(NPN)			

! Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

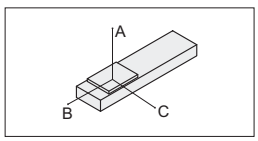
Mxd	1810 N.m
Myd	2052N.m
Mzd	2052N.m

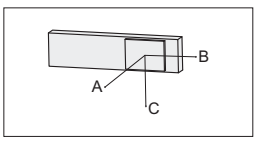


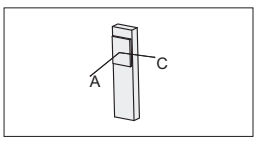
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

Explanation :
1. The actual load shall meet the following conditions:
(a) Meet the maximum load condition in the "Specification" table.
(b) Satisfy the torque condition in the "Allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
2. The data in the table is based on the rated life of 10000km.
3. The repeated positioning accuracy in the table is a unidirectional value.
4. The maximum speed of the lead screw drive slider is reached after a certain travelNeed to be reduced. In order to avoid the resonance of the sliding table, different travel corresponding please refer to the table below for the maximum speed.
5. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not workreach top speed.
6. If the sliding table is used vertically, please choose the belt brake motor.

Load allowable moment table (unit: mm)







Horizontal installation		A	B	C
Lead 5	100kg	5000	633	557
	125kg	3880	491	431
	150kg	3357	396	347
Lead 10	100kg	3220	563	474
	125kg	2554	434	367
	150kg	2113	349	295
Lead 25	65kg	1522	614	458
	85kg	1136	451	336
	105kg	893	350	262
Lead 40	18kg	2445	1616	1052
	30kg	1436	938	613
	43kg	978	630	412

Wall-mounted installation		A	B	C
Lead 5	110kg	500	569	4500
	130kg	412	469	3711
	150kg	347	396	3357
Lead 10	110kg	427	503	2900
	130kg	351	414	2444
	150kg	295	349	2113
Lead 25	70kg	420	564	1404
	90kg	315	420	1066
	105kg	262	350	893
Lead 40	15kg	1272	1955	2948
	24kg	778	1190	1813
	43kg	412	630	978

Vertical installation		A	C
Lead 5	30kg	2355	2355
	40kg	1768	1768
	55kg	1288	1288
Lead 10	25kg	2505	2505
	35kg	1795	1795
	45kg	1396	1396
Lead 25	15kg	2711	2711
	20kg	2033	2033
Lead 40	7kg	3511	3511
	12kg	2055	2055

Dimension Table

Motor Position	Dimension	Stroke														
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
M (Motor Built-in)	L	716	766	816	866	916	966	1016	1066	1116	1166	1216	1266	1316	1366	1416
	A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4
	N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12
	Weight(kg)※	24.1	25.3	26.5	27.7	28.9	30.1	31.3	32.5	33.7	34.9	36.1	37.3	38.5	39.7	40.9
BC (Motor Exposed)	L	544	594	644	694	744	794	844	894	944	994	1044	1094	1144	1194	1244
	A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4
	N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12
	Weight(kg)※	22.1	23.3	24.5	25.7	26.9	28.1	29.3	30.5	31.7	32.9	34.1	35.3	36.5	37.7	38.9
BM (Motor Bottom Side) BR (Motor Right Side) BL (Motor Left Side)	L	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249	1299
	A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
	M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4
	N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12
	Weight(kg)※	20.3	21.5	22.7	23.9	25.1	26.3	27.5	28.7	29.9	31.1	32.3	33.5	34.7	35.9	37.1

Dimension Table

Motor Position	Dimension	Stroke													
		850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
M (Motor Built-in)	L	1466	1516	1566	1616	1666	1716	1766	1816	1866	1916	1966	2016	2066	2116
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100
	M	5	5	5	5	6	6	6	6	7	7	7	7	8	8
	N	14	14	14	14	16	16	16	16	18	18	18	18	20	20
	Weight(kg)※	42.1	43.3	44.5	45.7	46.9	48.1	49.3	50.5	51.7	52.9	54.1	55.3	56.5	57.7
BC (Motor Exposed)	L	1294	1344	1394	1444	1494	1544	1594	1644	1694	1744	1794	1844	1894	1944
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100
	M	5	5	5	5	6	6	6	6	7	7	7	7	8	8
	N	14	14	14	14	16	16	16	16	18	18	18	18	20	20
	Weight(kg)※	40.1	41.3	42.5	43.7	44.9	46.1	47.3	48.5	49.7	50.9	52.1	53.3	54.5	55.7
BM (Motor Bottom Side) BR (Motor Right Side) BL (Motor Left Side)	L	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
	A	50	100	150	200	50	100	150	200	50	100	150	200	50	100
	M	5	5	5	5	6	6	6	6	7	7	7	7	8	8
	N	14	14	14	14	16	16	16	16	18	18	18	18	20	20
	Weight(kg)※	38.3	39.5	40.7	41.9	43.1	44.3	45.5	46.7	47.9	49.1	50.3	51.5	52.7	53.9

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	750W	MSMF082L1U2M	MCDLN35SE
		With Brake(Vertical)		MSMF082L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	750W	HG-KN73J-S100	MR-JE-70A
		With Brake(Vertical)		HG-KN73BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	750W	ECMA-C20807RS	ASD-B2-0721-B
		With Brake(Vertical)		ECMA-C20807SS	

! Please consult our staff for other types of motor .
! The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models , without motors and drivers.

Please order as shown

Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC22	5 / 10	100~1500	M(Motor Built-in) BC(Motor Exposed) BM(Motor Bottom Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	75(750W Servo)	N(Without Brake) B(With Brake)	Out Side C(Motor Side) D(OppoSite Motor Side)	Out Side 3(1 Pc) 4(2 Pcs)

YCBSC22 — 10 — 550 — BM — M — 75 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

Delivery 13

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