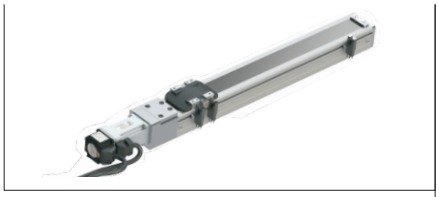
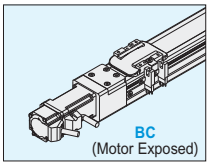
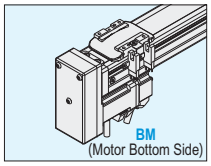
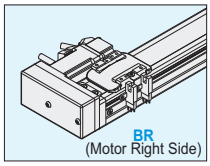
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC5	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

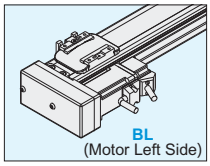
This product does not include a motor, the motor must be purchased separately.



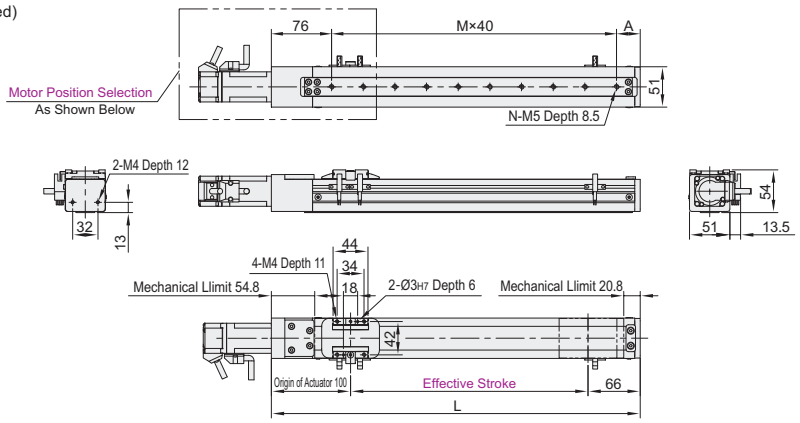


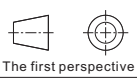






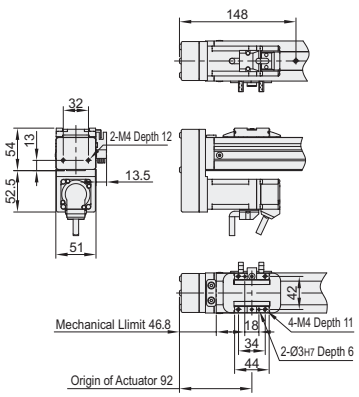
Motor Position :
BC(Motor Exposed)



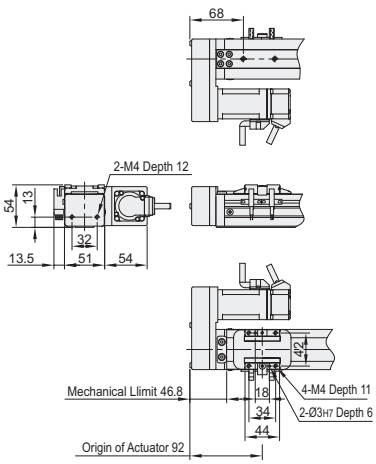


Motor Position Selection

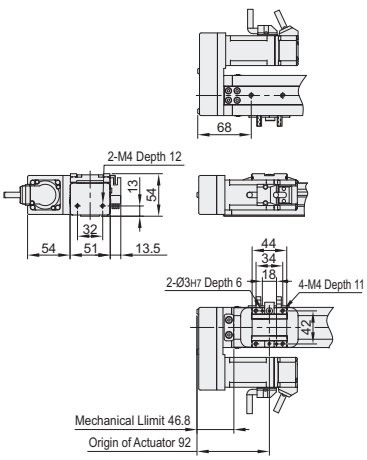
BM(Motor Bottom Side)



BR(Motor Right Side)



BL(Motor Left Side)



Part Number		Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Increment)						
YBSC5	5 10	50~800 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) 42(42 Stepping) 42 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)

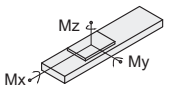
Specification

Recommended Motor Output			42 Stepping		100W Servo	
Spec	Positioning Repeatability		±0.01		±0.01	
	Ball Screw Lead		5	10	5	10
	Maximum Payload(kg)	Horizontal	10	5	10	5
		Vertical	3	1.5	3	1.5
	Rated Thrust (N)		340	170	340	170
Parts	Ball Screw Outer Diameter		12			
	Linear Guide Rail		24×8.5 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

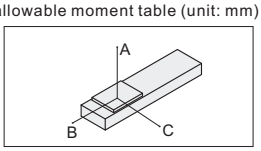
Mxd	19 N.m
Myd	20 N.m
Mzd	16 N.m



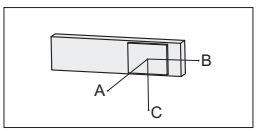
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

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.

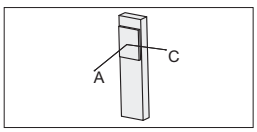
Load allowable moment table (unit: mm)



Horizontal installation		A	B	C
Lead 5	5kg	280	24	55
	10kg	120	10	22
Lead 10	3kg	245	40	78
	5kg	140	22	43



Wall-mounted installation		A	B	C
Lead 5	5kg	51	30	300
	10kg	20	15	195
Lead 10	3kg	74	37	231
	5kg	40	20	131



Vertical installation		A	C
Lead 5	1kg	140	140
	3kg	47	47
Lead 10	1kg	125	125
	1.5kg	83	83

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke																
			50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
12	42 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																
		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
BC (Motor Exposed)	L	216	266	316	366	416	466	516	566	616	666	716	766	816	866	916	966
	A	60	30	40	50	60	30	40	50	60	30	40	50	60	30	40	50
	M	2	4	5	6	7	9	10	11	12	14	15	16	17	19	20	21
	N	3	5	6	7	8	10	11	12	13	15	16	17	18	20	21	22
	Weight (kg)※	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3.1	3.2	3.3	3.4	3.5	3.6
BM (Motor Bottom Side)	L	208	258	308	358	408	458	508	558	608	658	708	758	808	858	908	958
	A	60	30	40	50	60	30	40	50	60	30	40	50	60	30	40	50
	M	0	2	3	4	5	7	8	9	10	12	13	14	15	17	18	19
	N	1	3	4	5	6	8	9	10	11	13	14	15	16	18	19	20
	Weight (kg)※	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3.1	3.2	3.3	3.4	3.5	3.6
BR (Motor Right Side)	L	208	258	308	358	408	458	508	558	608	658	708	758	808	858	908	958
	A	60	30	40	50	60	30	40	50	60	30	40	50	60	30	40	50
	M	2	4	5	6	7	9	10	11	12	14	15	16	17	19	20	21
	N	3	5	6	7	8	10	11	12	13	15	16	17	18	20	21	22
	Weight (kg)※	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3.1	3.2	3.3	3.4	3.5	3.6
BL (Motor Left Side)	L	208	258	308	358	408	458	508	558	608	658	708	758	808	858	908	958
	A	60	30	40	50	60	30	40	50	60	30	40	50	60	30	40	50
	M	2	4	5	6	7	9	10	11	12	14	15	16	17	19	20	21
	N	3	5	6	7	8	10	11	12	13	15	16	17	18	20	21	22
	Weight (kg)※	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3.1	3.2	3.3	3.4	3.5	3.6

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Part Number	Driver Part Number
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	

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

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 Increment)						
YBSC5	5	50~800	BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	10(100W Servo) 42(42 Stepping)	N(Without Brake) B(With Brake)	Out Side C (Motor Side) D (OppoSite Motor Side)	Out Side 3(1 Pc) 4(2 Pcs)
	10							

YBSC5—10—550—BM—M—10—N—C—4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

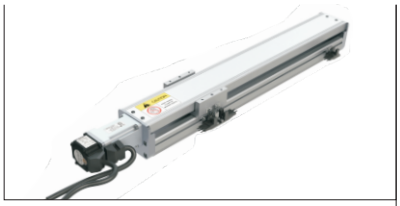
Delivery 11

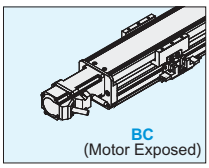
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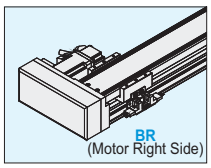
Linear Actuators

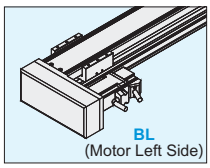
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC6B	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

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

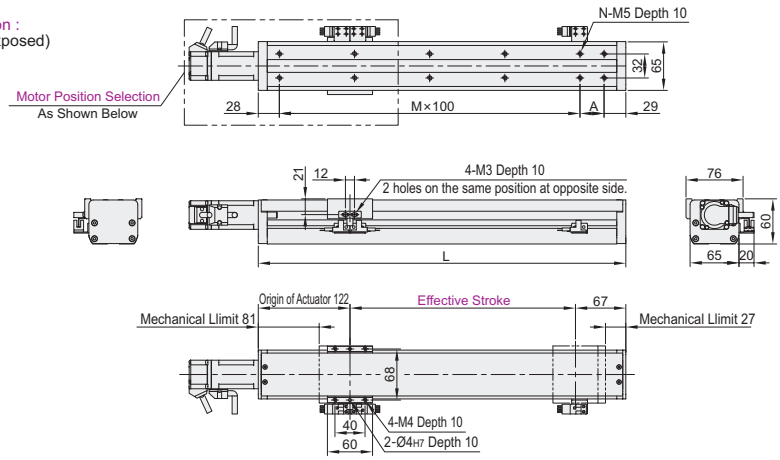



BC
(Motor Exposed)


BR
(Motor Right Side)


BL
(Motor Left Side)

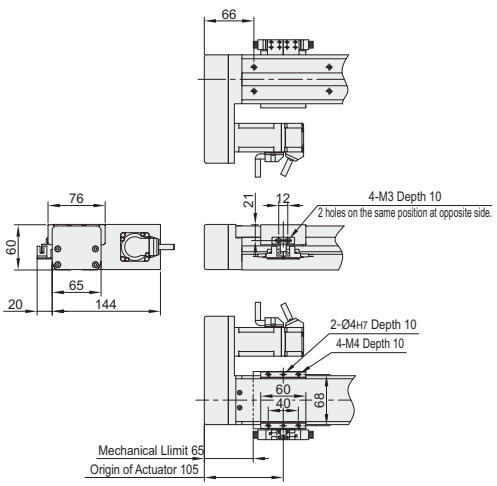
Motor Position :
BC(Motor Exposed)



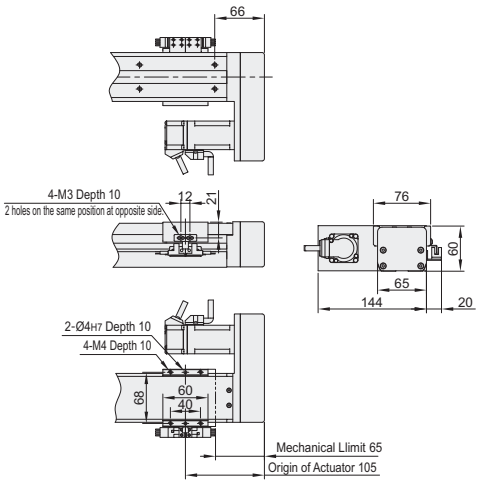
The first perspective

Motor Position Selection

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 Increment)						
YBSC6B	5 10	100~800 Non-standard stroke can be customized	BC(Motor Exposed) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	10(100W Servo) 42(42 Stepping) 42 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)

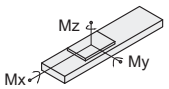
Specification

Recommended Motor Output			42 Stepping		100W Servo	
Spec	Positioning Repeatability		±0.01		±0.01	
	Ball Screw Lead		5	10	5	10
	Maximum Payload(kg)	Horizontal	14	10	14	10
		Vertical	8	5	8	5
	Rated Thrust (N)		340	170	340	170
Parts	Ball Screw Outer Diameter		12			
	Linear Guide Rail		24×8.5 Single Branch,Single Slide Block			
	Home Sensor	Out Side	EE-SX674(NPN)			
		In Side	—			

! Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	5.5 N.m
Myd	3 N.m
Mzd	3 N.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.

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	42 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	289	339	389	439	489	539	589	639	689	739	789	839	889	939	989
	A	32	82	32	82	32	82	32	82	32	82	32	82	32	82	32
	M	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9
	N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22
	Weight (kg)※	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
BR (Motor Right Side)	L	272	322	372	422	472	522	572	622	672	722	772	822	872	922	972
	A	77	27	77	27	77	27	77	27	77	27	77	27	77	27	77
	M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight (kg)※	2.2	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2
BL (Motor Left Side)	L	272	322	372	422	472	522	572	622	672	722	772	822	872	922	972
	A	77	27	77	27	77	27	77	27	77	27	77	27	77	27	77
	M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight (kg)※	2.2	2.7	3.2	3.7	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Part Number	Driver Part Number
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 part number listed in the table are motor and driver part number 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 Code	Ball Screw Lead	Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
YBSC6B	5	100~800	BC(Motor Exposed) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	10(100W Servo) 42(42 Stepping)	N(Without Brake) B(With Brake)	Out Side C (Motor Side) D (OppoSite Motor Side)	Out Side 3(1 Pc) 4(2 Pcs)
	10							

YBSC6B — 10 — 550 — BR — M — 10 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

Delivery 11

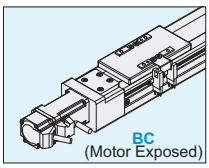
! Quantity (1~4 Pcs)

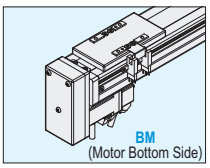
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3D model library | Example | Catalog for selection

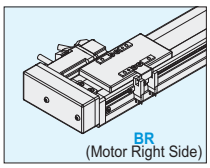
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC6	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

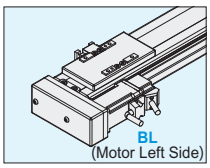
! This product does not include a motor, the motor must be purchased separately.



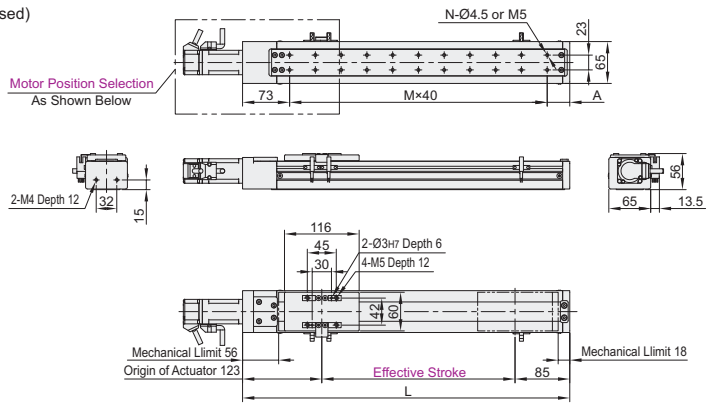


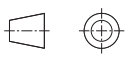






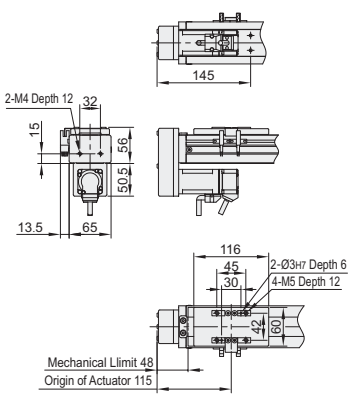
Motor Position :
BC(Motor Exposed)



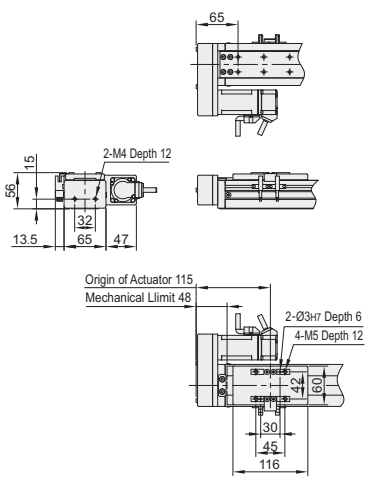


Motor Position Selection

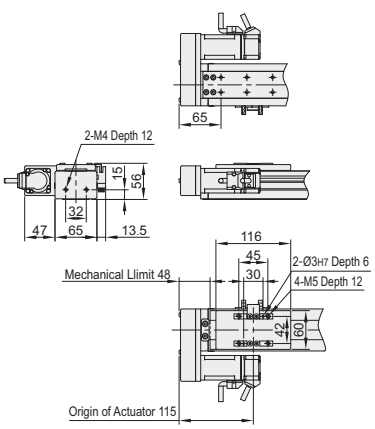
BM(Motor Bottom Side)



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 Lead Screw	(50 mm Increment)							
YBSC6	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)

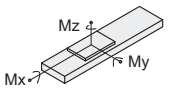
Specification

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		4.2×9.5 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

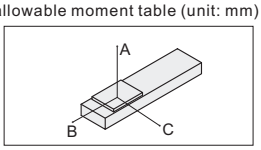
Mxd	75 N.m
Myd	80 N.m
Mzd	70 N.m



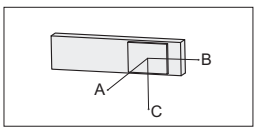
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

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.

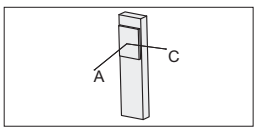
Load allowable moment table (unit: mm)



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	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
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	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

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Part Number	Driver Part Number
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	

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

Please order as shown

Part Number		Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor	Installation Method
Code	Ball Screw Lead	(50 mm Increment)							
YBSC6	5	100~800	BC(Motor Exposed)	P(Panasonic)	10(100W Servo)	N(Without Brake)	Out Side	Out Side	H
	10		BM(Motor Bottom Side)	Y(Yaskawa)	57(57 Stepping)	B(With Brake)	C(Motor Side)	3(1 Pc)	(Install On Bottom)
			BR(Motor Right Side)	M(Mitsubishi)			D (OppoSite Motor Side)	4(2 Pcs)	M
									(Install On Internal)

YBSC6 — 10 — 550 — BM — M — 10 — N — C — 4 — H

Discount price

Per	1~4	5~
Price	100%	Additional quotation

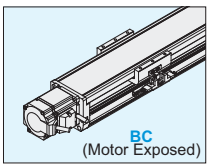
Delivery 11

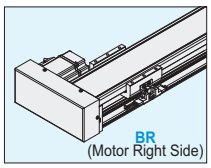
! Quantity (1~4 Pcs)

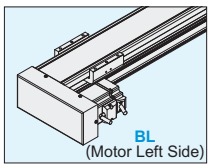
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC8B	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

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

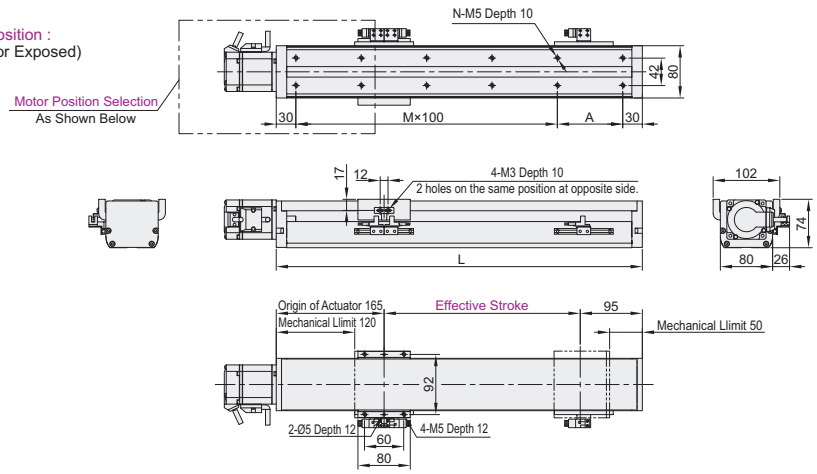


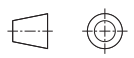






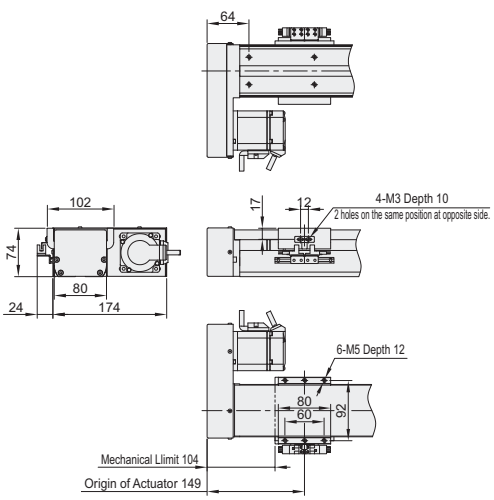
Motor Position :
BC(Motor Exposed)



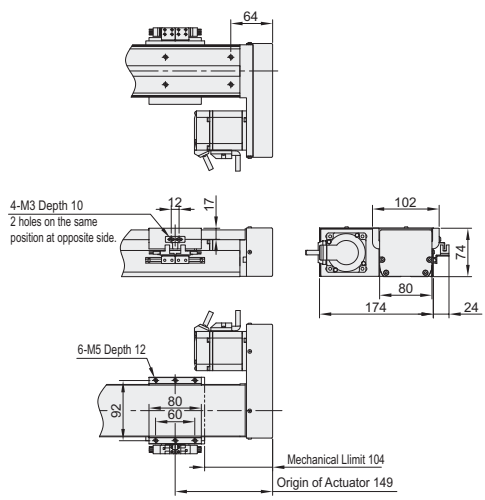


Motor Position Selection

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 Increment)						
YBSC8B	5 10 16 20	100~800 Non-standard stroke can be customized	BC(Motor Exposed) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	20(200W 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)

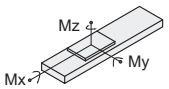
Specification

Recommended Motor Output			57 Stepping				200W Servo			
Spec	Positioning Repeatability		±0.01				±0.01			
	Ball Screw Lead		5	10	16	20	5	10	16	20
	Maximum Payload(kg)	Horizontal	30	25	18	15	30	25	18	15
		Vertical	17	12	10	8	17	12	10	8
	Rated Thrust (N)		340	170	106	85	680	340	212	170
Parts	Ball Screw Outer Diameter		16							
	Linear Guide Rail		42×9.5 Single Branch,Single Slide Block							
	Home Sensor	Out Side	EE-SX674(NPN)							
		In Side	—							

! Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	17 N.m
Myd	7 N.m
Mzd	7 N.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.

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke														
			100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
16	57 Stepping	5	41														
		10	83														
		16	133														
		20	166														
	200W Servo	5	250														225
		10	500														450
		16	800														720
		20	1000														900

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	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060
	A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
	N	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
	Weight (kg)※	3.1	3.9	4.7	5.5	6.3	7.1	7.9	8.7	9.5	10.3	11.1	11.9	12.7	13.5	14.3
BR (Motor Right Side)	L	344	394	444	494	544	594	644	694	744	794	844	894	944	994	1044
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
	M	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9
	N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22
	Weight (kg)※	3.4	4.2	5	5.8	6.6	7.4	8.2	9	9.8	10.6	11.4	12.2	13	13.8	14.6
BL (Motor Left Side)	L	344	394	444	494	544	594	644	694	744	794	844	894	944	994	1044
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
	M	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9
	N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22
	Weight (kg)※	3.4	4.2	5	5.8	6.6	7.4	8.2	9	9.8	10.6	11.4	12.2	13	13.8	14.6

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Part Number	Driver Part Number
Panasonic	P	Without Brake(Horizontal)	200W	MSMF022L1U2M	MADLN15SE
		With Brake(Vertical)		MSMF022L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	200W	HG-KN23J-S100	MR-JE-20A
		With Brake(Vertical)		HG-KN23BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	200W	ECMA-C20602RS	ASD-B2-0221-B
		With Brake(Vertical)		ECMA-C20602SS	

! Please consult our staff for other types of motor .

! The part number listed in the table are motor and driver part number 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 Code	Ball Screw Lead	Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
YBSC8B	5 / 10	100~800	BC(Motor Exposed) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	20(200W 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)

YBSC8B — 10 — 550 — BR — M — 20 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

Delivery 11

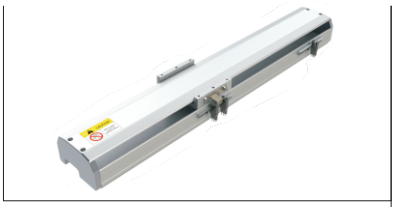
! Quantity (1~4 Pcs)

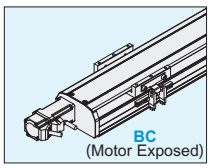
Linear Actuators

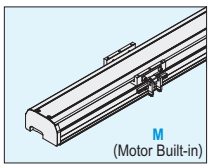
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3D model library | Example | Catalog for selection

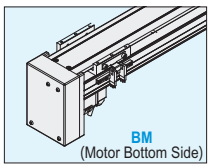
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC10	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

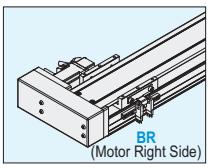
! This product does not include a motor, the motor must be purchased separately.

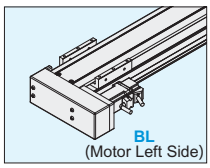






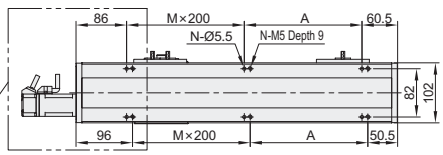


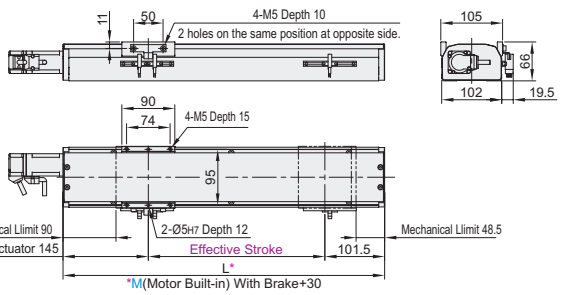




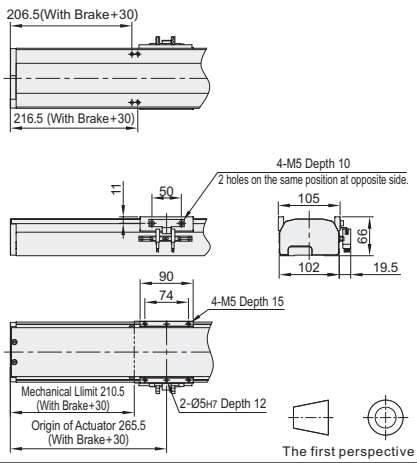
Motor Position :
BC(Motor Exposed)

Motor Position Selection
As Shown Below



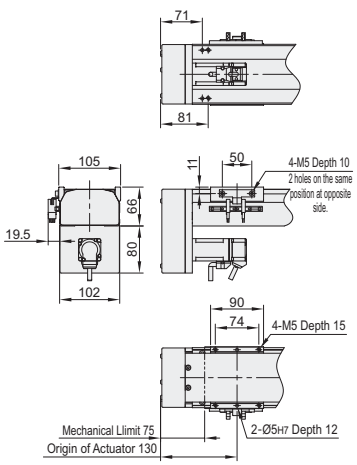


M(Motor Built-in)

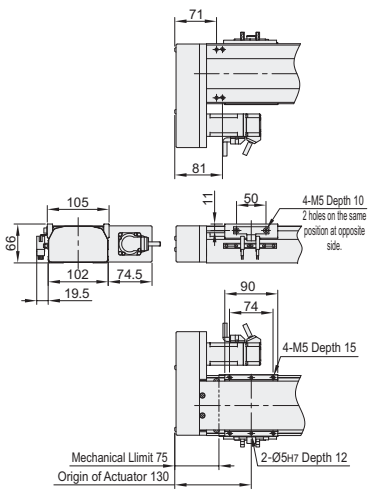


Motor Position Selection

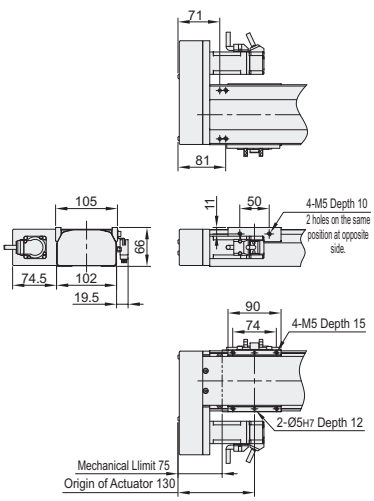
BM(Motor Bottom Side)



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 Increment)						
YBSC10	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)

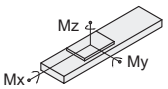
Specification

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

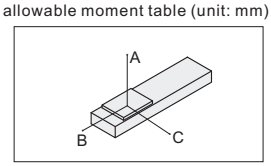
Mxd	120 N.m
Myd	110 N.m
Mzd	110 N.m

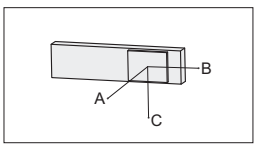


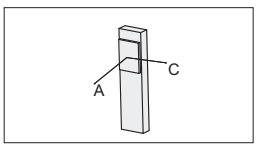
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

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	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417
	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)※	5.5	5.9	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
BC (Motor Exposed)	L	346.5	396.5	446.5	496.5	546.5	596.5	646.5	696.5	746.5	796.5	846.5	896.5	946.5	996.5	1046.5	1096.5	1146.5	1196.5	1246.5	1296.5
	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)※	4.8	5.2	5.6	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
BM (Motor Bottom Side)	L	331.5	381.5	431.5	481.5	531.5	581.5	631.5	681.5	731.5	781.5	831.5	881.5	931.5	981.5	1031.5	1081.5	1131.5	1181.5	1231.5	1281.5
	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)※	4.7	5.1	5.5	5.9	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
BR (Motor Right Side)	L	331.5	381.5	431.5	481.5	531.5	581.5	631.5	681.5	731.5	781.5	831.5	881.5	931.5	981.5	1031.5	1081.5	1131.5	1181.5	1231.5	1281.5
	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)※	4.7	5.1	5.5	5.9	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
BL (Motor Left Side)	L	331.5	381.5	431.5	481.5	531.5	581.5	631.5	681.5	731.5	781.5	831.5	881.5	931.5	981.5	1031.5	1081.5	1131.5	1181.5	1231.5	1281.5
	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)※	4.7	5.1	5.5	5.9	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

※ 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 Part Number	Driver Part Number
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 part number listed in the table are motor and driver part number 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 Increment)						
YBSC10	5	100~1050	M(Motor Built-in)	P(Panasonic)	10(100W Servo)	N(Without Brake)	Out Side	Out Side
	10		BC(Motor Exposed)	Y(Yaskawa)	57(57 Stepping)	B(With Brake)	C (Motor Side)	3(1 Pc)
			BM(Motor Bottom Side)	M(Mitsubishi)			D (OppoSite Motor Side)	4(2 Pcs)

YBSC10 — 10 — 550 — BM — M — 10 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

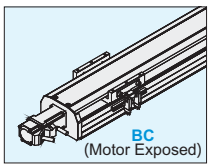
Delivery 11

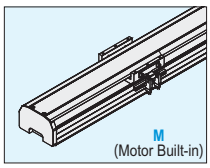
Quantity (1~4 Pcs)

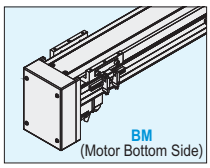
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC12	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

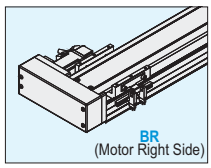
! This product does not include a motor, the motor must be purchased separately.

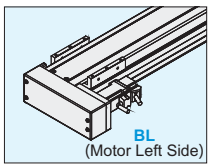




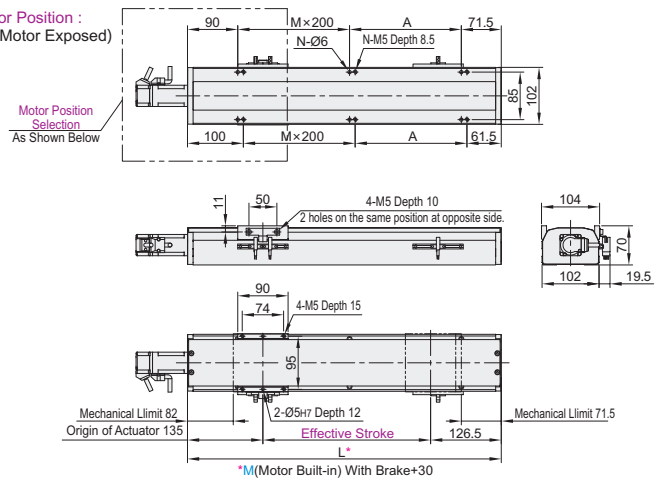




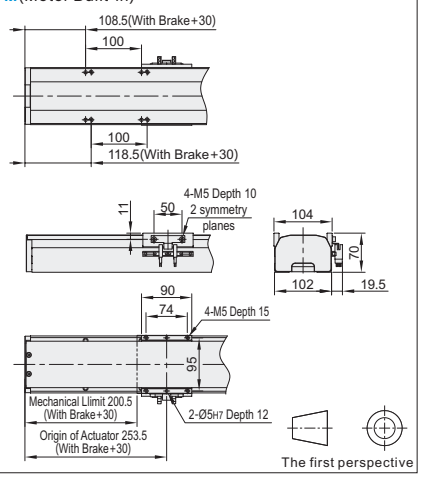




Motor Position :
BC(Motor Exposed)

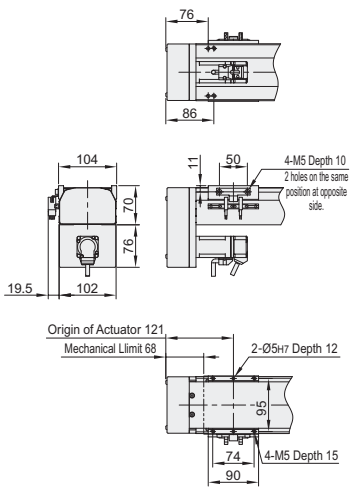


M(Motor Built-in)

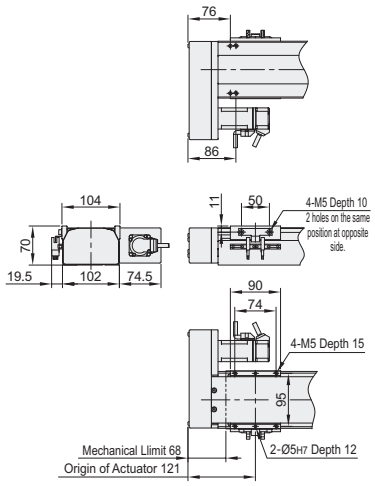


Motor Position Selection

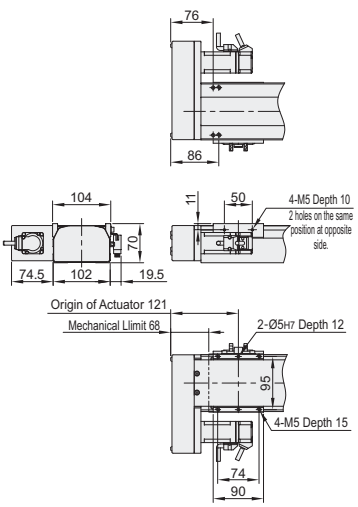
BM(Motor Bottom Side)



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 Increment)						
YBSC12	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)

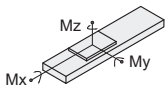
Specification

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		20×8 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

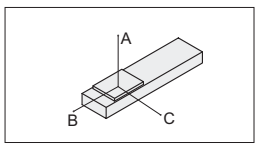
Mxd	130 N.m
Myd	150 N.m
Mzd	150 N.m

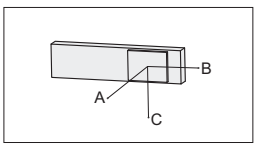


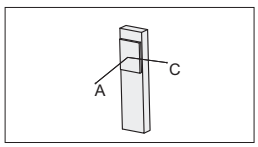
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

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	882	65	78
	40kg	606	43	51
	50kg	437	29	35
Lead 10	15kg	875	138	157
	25kg	485	73	83
	30kg	386	56	64
Lead 16	5kg	1300	450	456
	10kg	650	210	215
	22kg	310	95	100
Lead 20	5kg	1160	384	386
	10kg	561	180	181
	18kg	288	88	89

Wall-mounted installation		A	B	C
Lead 5	25kg	100	84	1102
	35kg	63	52	725
	50kg	35	29	433
Lead 10	10kg	250	221	1311
	20kg	110	97	633
	30kg	64	56	385
Lead 16	5kg	465	450	1050
	10kg	250	245	650
	22kg	95	94	295
Lead 20	6kg	317	316	955
	12kg	147	144	455
	18kg	89	88	288

Vertical installation		A	C
Lead 5	5kg	544	544
	8kg	341	341
	12kg	227	227
Lead 10	4kg	606	606
	8kg	303	303
Lead 16	2kg	1085	1085
	5kg	655	655
Lead 20	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	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430
	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	7	7.4	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
BC (Motor Exposed)	L	361.5	411.5	461.5	511.5	561.5	611.5	661.5	711.5	761.5	811.5	861.5	911.5	961.5	1011.5	1061.5	1111.5	1161.5	1211.5	1261.5	1311.5
	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)※	5.8	6.2	6.6	7	7.4	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
BM (Motor Bottom Side)	L	347.5	397.5	447.5	497.5	547.5	597.5	647.5	697.5	747.5	797.5	847.5	897.5	947.5	997.5	1047.5	1097.5	1147.5	1197.5	1247.5	1297.5
	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)※	5.7	6.1	6.5	6.9	7.3	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
BR (Motor Right Side)	L	347.5	397.5	447.5	497.5	547.5	597.5	647.5	697.5	747.5	797.5	847.5	897.5	947.5	997.5	1047.5	1097.5	1147.5	1197.5	1247.5	1297.5
	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)※	5.7	6.1	6.5	6.9	7.3	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
BL (Motor Left Side)	L	347.5	397.5	447.5	497.5	547.5	597.5	647.5	697.5	747.5	797.5	847.5	897.5	947.5	997.5	1047.5	1097.5	1147.5	1197.5	1247.5	1297.5
	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)※	5.7	6.1	6.5	6.9	7.3	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

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Part Number	Driver Part Number
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 part number listed in the table are motor and driver part number 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 Increment)						
YBSC12	5	100~1050	M(Motor Built-in)	P(Panasonic)	10(100W Servo)	N(Without Brake)	Out Side	Out Side
	10		BC(Motor Exposed)	Y(Yaskawa)	57(57 Stepping)	B(With Brake)	C (Motor Side)	3(1 Pc)
			BM(Motor Bottom Side)	M(Mitsubishi)			D (OppoSite Motor Side)	4(2 Pcs)

YBSC12 — 10 — 550 — BM — M — 10 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

Delivery 11

Quantity (1~4 Pcs)

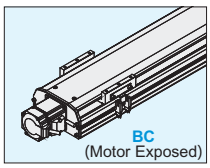
Linear Actuators

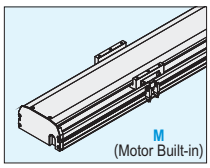
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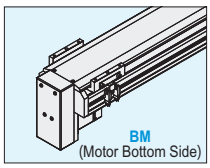
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC13	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

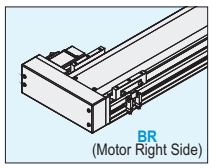
! This product does not include a motor, the motor must be purchased separately.

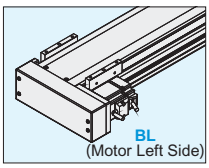



BC (Motor Exposed)

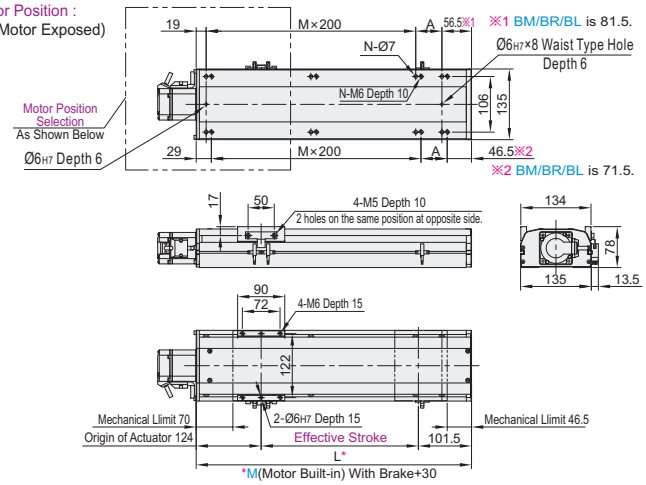

M (Motor Built-in)


BM (Motor Bottom Side)

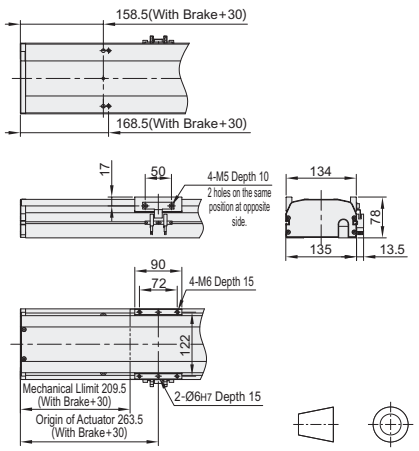

BR (Motor Right Side)


BL (Motor Left Side)

Motor Position :
BC(Motor Exposed)



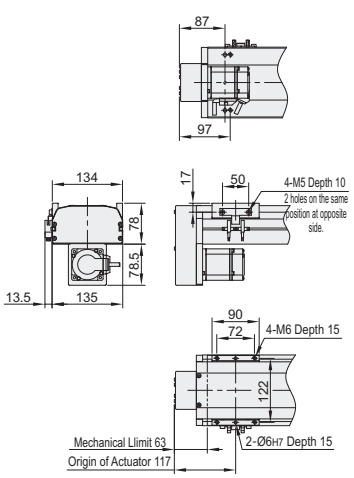
M(Motor Built-in)



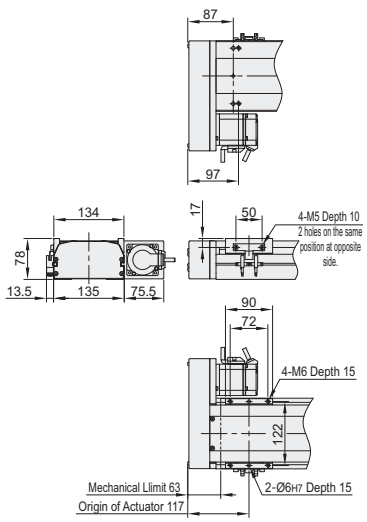
The first perspective

Motor Position Selection

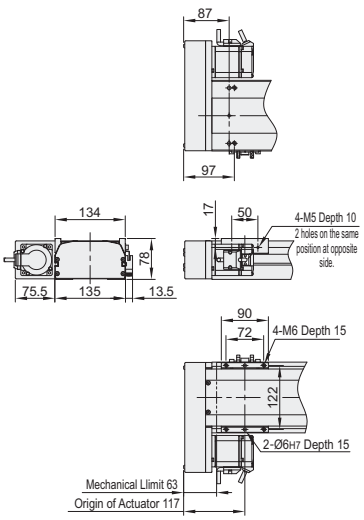
BM(Motor Bottom Side)



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 Increment)						
YBSC13	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) 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)

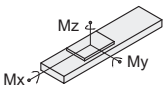
Specification

Recommended Motor Output			200W Servo			
Spec	Positioning Repeatability		±0.01			
	Ball Screw Lead		5	10	16	20
	Maximum Payload(kg)	Horizontal	70	47	30	24
		Vertical	17	12	6	3
	Rated Thrust (N)		680	340	212	170
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

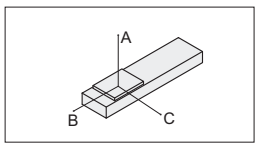
Mxd	153N.m
Myd	175N.m
Mzd	174N.m

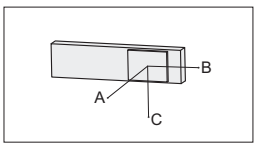


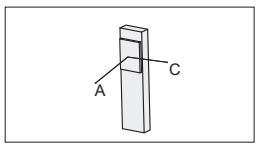
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

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	40kg	795	63	255
	55kg	558	43	155
	70kg	422	32	115
Lead10	25kg	588	95	276
	35kg	410	65	190
	47kg	295	46	135
Lead16	10kg	1000	220	550
	20kg	500	110	275
	30kg	333	73	183
Lead20	6kg	1068	355	710
	15kg	416	136	275
	24kg	252	81	166

Wall-mounted installation		A	B	C
Lead5	30kg	310	88	1066
	50kg	172	49	620
	70kg	115	32	422
Lead10	20kg	351	122	743
	30kg	225	78	484
	47kg	135	46	294
Lead16	10kg	461	372	1410
	20kg	264	178	1027
	30kg	148	69	832
Lead20	5kg	852	428	1227
	12kg	345	173	522
	24kg	166	81	253

Vertical installation		A	C
Lead5	5kg	580	580
	11kg	264	264
	17kg	170	170
Lead10	4kg	644	644
	8kg	322	322
	12kg	215	215
Lead16	5kg	398	398
	10kg	199	199
Lead20	3kg	667	667
	6kg	335	335

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 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	465	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415
	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)※	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9
BC (Motor Exposed)	L	325.5	375.5	425.5	475.5	525.5	575.5	625.5	675.5	725.5	775.5	825.5	875.5	925.5	975.5	1025.5	1075.5	1125.5	1175.5	1225.5	1275.5
	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)※	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.9	13.4	13.9	14.4	14.9	15.4	15.9
BM (Motor Bottom Side)	L	318.5	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5
	A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
	M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
	N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
	Weight (kg)※	6.3	6.8	7.3	7.8	8.3	8.8	9.3	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
BR (Motor Right Side)	L	318.5	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5
	A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
	M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
	N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
	Weight (kg)※	6.3	6.8	7.3	7.8	8.3	8.8	9.3	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
BL (Motor Left Side)	L	318.5	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5
	A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
	M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
	N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
	Weight (kg)※	6.3	6.8	7.3	7.8	8.3	8.8	9.3	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

※ Not include motor weight.

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List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Part Number	Driver Part Number
Panasonic	P	Without Brake(Horizontal)	200W	MSMF022L1U2M	MADLN15SE
		With Brake(Vertical)		MSMF022L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	200W	HG-KN23J-S100	MR-JE-20A
		With Brake(Vertical)		HG-KN23BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	200W	ECMA-C20602RS	ASD-B2-0221-B
		With Brake(Vertical)		ECMA-C20602SS	

Please consult our staff for other types of motor .

The part number listed in the table are motor and driver part number 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 Increment)						
YBSC13	5	100~1050	M(Motor Built-in)	P(Panasonic)	20(200W Servo)	N(Without Brake)	Out Side	Out Side
	10		BC(Motor Exposed)	Y(Yaskawa)	57(57 Stepping)	B(With Brake)	C (Motor Side)	3(1 Pc)
			BM(Motor Bottom Side)	M(Mitsubishi)			D (OppoSite Motor Side)	4(2 Pcs)

YBSC13 — 10 — 550 — BM — M — 20 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

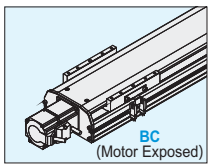
Delivery 11

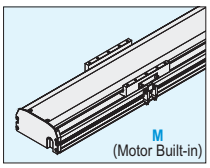
Quantity (1~4 Pcs)

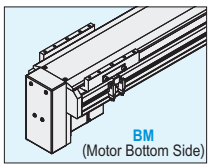
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC14	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

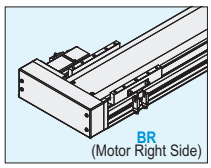
! This product does not include a motor, the motor must be purchased separately.

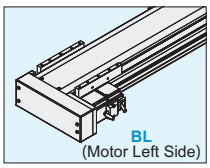




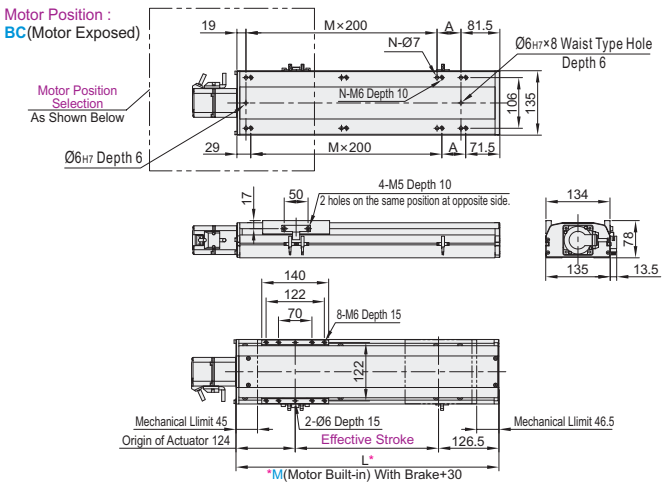




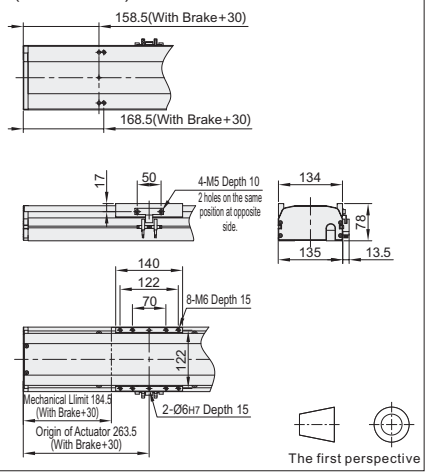




Motor Position :
BC(Motor Exposed)

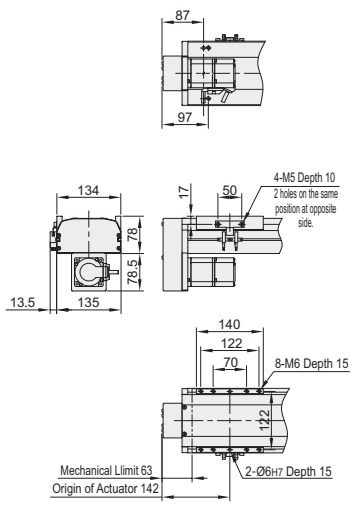


M(Motor Built-in)

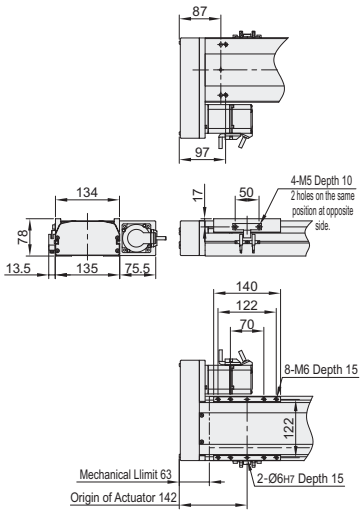


Motor Position Selection

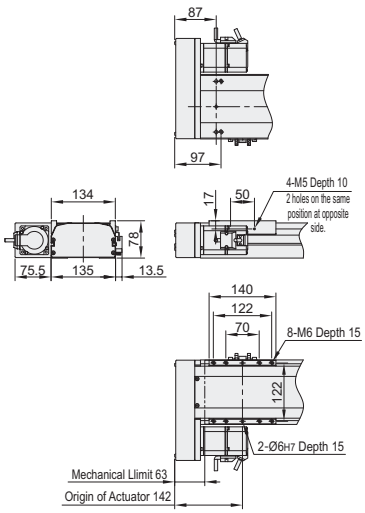
BM(Motor Bottom Side)



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 Increment)						
YBSC14	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 1.27 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)

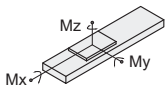
Specification

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

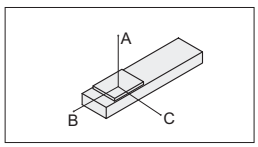
Mxd	485 N.m
Myd	552 N.m
Mzd	551 N.m

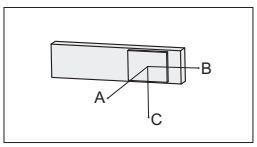


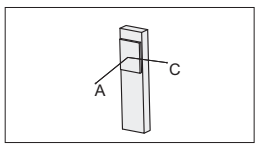
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

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 Servo	5	250														225	200	175	150	125	100
		10	500														450	400	350	300	250	200
	400W Servo	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	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290	1340	1390	1440
	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)※	7.6	8.1	8.6	9.1	9.6	10.1	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
BC (Motor Exposed)	L	350.5	400.5	450.5	500.5	550.5	600.5	650.5	700.5	750.5	800.5	850.5	900.5	950.5	1000.5	1050.5	1100.5	1150.5	1200.5	1250.5	1300.5
	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)※	7.6	8.1	8.6	9.1	9.6	10.1	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
BM (Motor Bottom Side)	L	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5	1318.5
	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	7.3	7.8	8.3	8.8	9.3	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
BR (Motor Right Side)	L	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5	1318.5
	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	7.3	7.8	8.3	8.8	9.3	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
BL (Motor Left Side)	L	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5	1318.5
	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	7.3	7.8	8.3	8.8	9.3	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

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Part Number	Driver Part Number
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 part number listed in the table are motor and driver part number 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 Increment)						
YBSC14	5	100~1050	M(Motor Built-in)	P(Panasonic)	20(200W Servo)	N(Without Brake)	Out Side	Out Side
	10		BC(Motor Exposed)	Y(Yaskawa)	40(400W Servo)	B(With Brake)	C (Motor Side)	3(1 Pc)
			BM(Motor Bottom Side)	M(Mitsubishi)	57(57 Stepping)		D (OppoSite Motor Side)	4(2 Pcs)

YBSC14 — 10 — 550 — BM — M — 40 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

Delivery 11

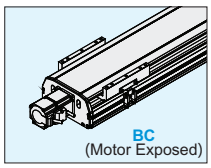
Quantity (1~4 Pcs)

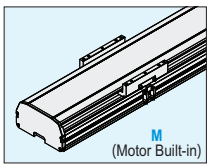
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3D model library | Example | Catalog for selection

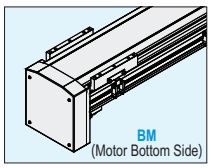
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC17	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

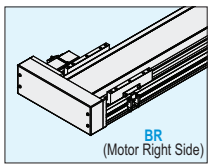
This product does not include a motor, the motor must be purchased separately.

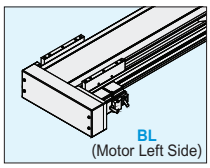



BC (Motor Exposed)

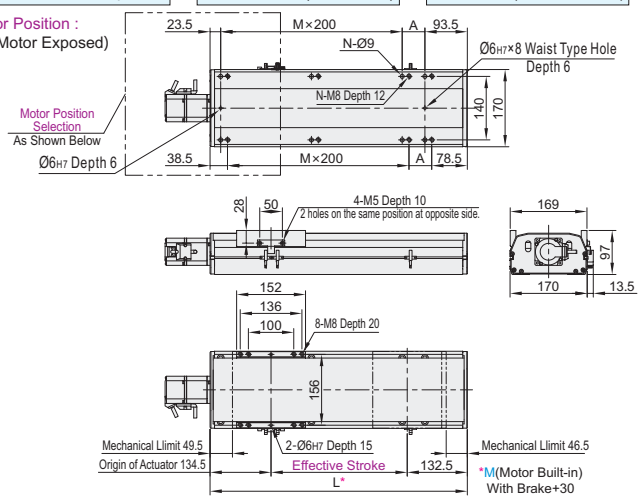

M (Motor Built-in)


BM (Motor Bottom Side)

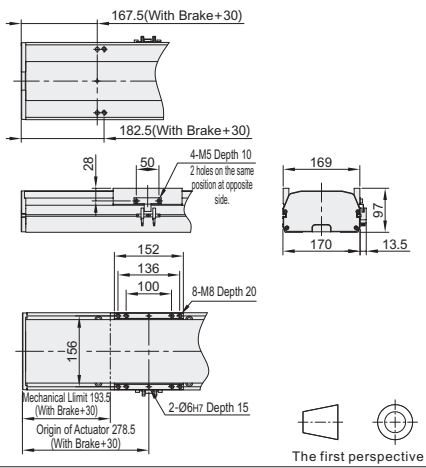

BR (Motor Right Side)


BL (Motor Left Side)

Motor Position :
BC(Motor Exposed)



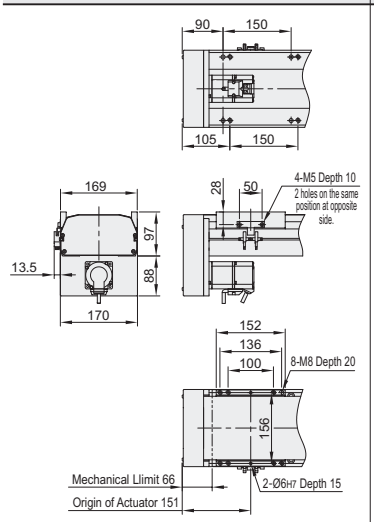
M(Motor Built-in)



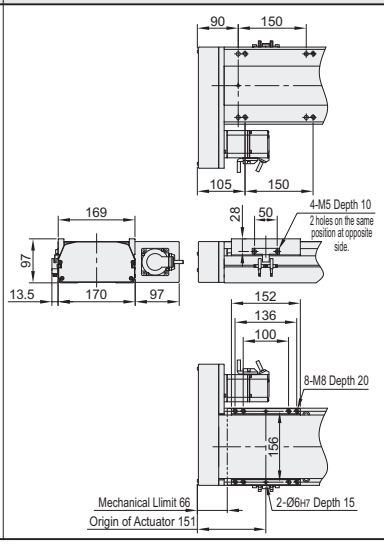
The first perspective

Motor Position Selection

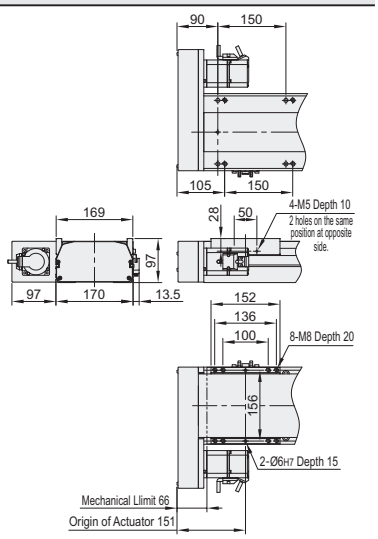
BM(Motor Bottom Side)



BR(Motor Right Side)



BL(Motor Left Side)



Part Number Code	Ball Screw Lead	Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
YBSC17	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)

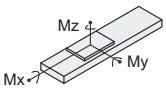
Specification

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

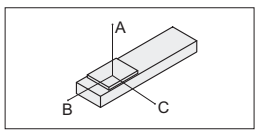
Mxd	908 N.m
Myd	1034 N.m
Mzd	1032 N.m

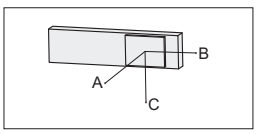


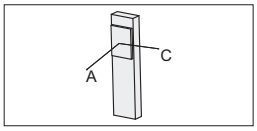
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

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 Servo	5	250																225	225	200	200	200	175	175	175
		10	500																450	450	400	400	400	350	350	350
	750W Servo	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	511	561	611	661	711	761	811	861	911	961	1011	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661
	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)※	11.8	12.6	13.4	14.2	15	15.8	16.6	17.4	18.2	19	19.8	20.6	21.4	22.2	23	23.8	24.6	25.4	26.2	27	27.8	28.6	29.4	30.2
BC (Motor Exposed)	L	367	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467	1517
	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)※	10.5	11.3	12.1	12.9	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
BM (Motor Bottom Side)	L	383.5	433.5	483.5	533.5	583.5	633.5	683.5	733.5	783.5	833.5	883.5	933.5	983.5	1033.5	1083.5	1133.5	1183.5	1233.5	1283.5	1333.5	1383.5	1433.5	1483.5	1533.5
	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)※	10.7	11.5	12.3	13.1	13.9	14.7	15.5	16.3	17.1	17.9	18.7	19.5	20.3	21.1	21.9	22.7	23.5	24.3	25.1	25.9	26.7	27.5	28.3	29.1
BR (Motor Right Side)	L	383.5	433.5	483.5	533.5	583.5	633.5	683.5	733.5	783.5	833.5	883.5	933.5	983.5	1033.5	1083.5	1133.5	1183.5	1233.5	1283.5	1333.5	1383.5	1433.5	1483.5	1533.5
	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)※	10.7	11.5	12.3	13.1	13.9	14.7	15.5	16.3	17.1	17.9	18.7	19.5	20.3	21.1	21.9	22.7	23.5	24.3	25.1	25.9	26.7	27.5	28.3	29.1
BL (Motor Left Side)	L	383.5	433.5	483.5	533.5	583.5	633.5	683.5	733.5	783.5	833.5	883.5	933.5	983.5	1033.5	1083.5	1133.5	1183.5	1233.5	1283.5	1333.5	1383.5	1433.5	1483.5	1533.5
	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)※	10.7	11.5	12.3	13.1	13.9	14.7	15.5	16.3	17.1	17.9	18.7	19.5	20.3	21.1	21.9	22.7	23.5	24.3	25.1	25.9	26.7	27.5	28.3	29.1

※ 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 Part Number	Driver Part Number
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 part number listed in the table are motor and driver part number 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 Increment)						
YBSC17	5	100~1250	M(Motor Built-in)	P(Panasonic)	40(400W Servo)	N(Without Brake)	Out Side	Out Side
	10		BC(Motor Exposed)	Y(Yaskawa)	75(750W Servo)	B(With Brake)	C (Motor Side)	3(1 Pc)
			BM(Motor Bottom Side)	M(Mitsubishi)			D (OppoSite Motor Side)	4(2 Pcs)

YBSC17 — 10 — 550 — BM — M — 75 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

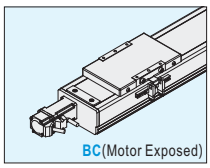
Delivery 13

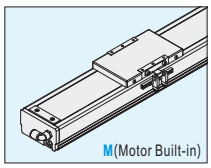
Quantity (1~4 Pcs)

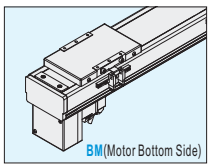
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC22	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

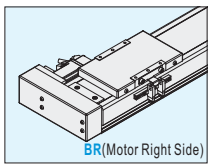
This product does not include motor ,which need purchase additionally.

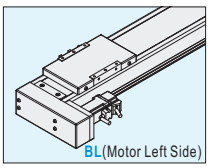






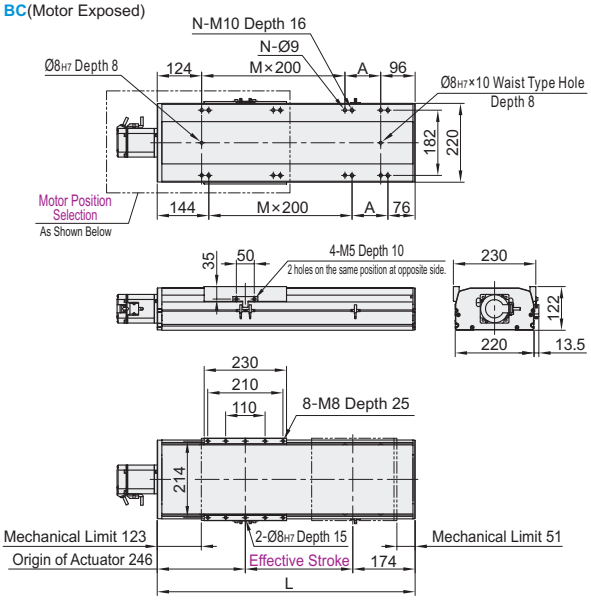




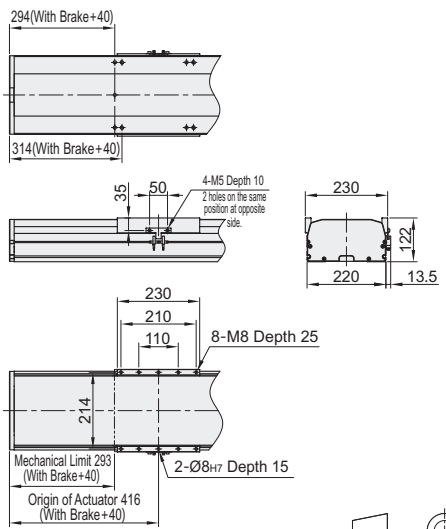


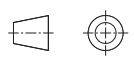
Motor Position :

BC(Motor Exposed)



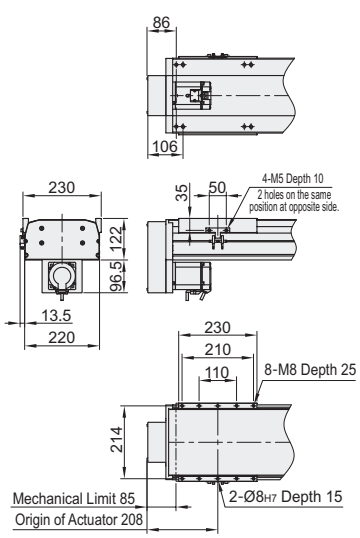
M(Motor Built-in)

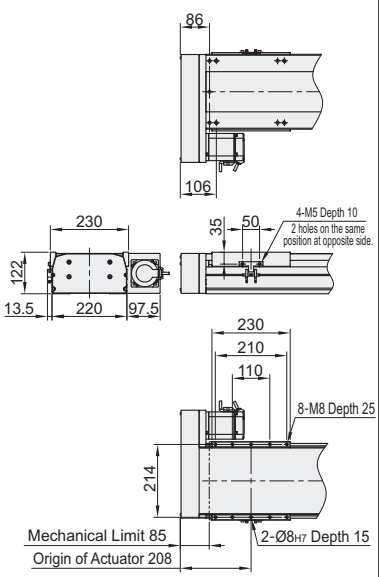


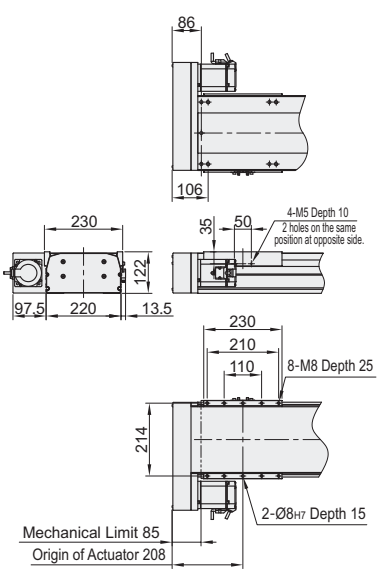


Motor Position Selection

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







Part Number		Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Increment)						
YBSC22	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							

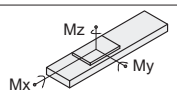
Specification

Recommended Motor Output			750W Servo			
Spec	Positioning Repeatability		±0.01			
	Ball Screw Lead(mm)		5	10	25	40
	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 O.D.(mm)		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

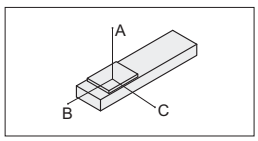
Mxd	1810N.m
Myd	2052N.m
Mzd	2052N.m

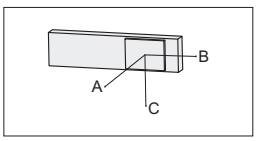


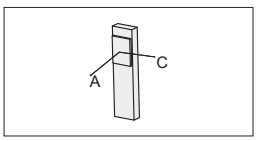
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

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

Maximum Speed

Screw Outer Diamete	Motor Output	Lead	Stroke													
			100~850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
25	750W servo	5	250	250	225	225	200	200	175	175	150	150	125	126	100	100
		10	500	500	450	450	400	400	350	350	300	300	250	250	200	200
		25	1250	1250	1125	1125	1000	1000	875	875	750	750	625	625	500	500
20		40	2000	1800	1800	1600	1600	1400	1400	1200	1200	1000	1000	800	800	600

Dimension Table

Motor Position	Dimension	Stroke														
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
M (Motor Build-in)	L	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290	1340	1390
	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	520	570	620	670	720	770	820	870	920	970	1020	1070	1120	1170	1220
	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	482	532	582	632	682	732	782	832	882	932	982	1032	1082	1132	1182
	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 Build-in)	L	1440	1490	1540	1590	1640	1690	1740	1790	1840	1890	1940	1990	2040	2090
	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	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920
	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	1232	1282	1332	1382	1432	1482	1532	1582	1632	1682	1732	1782	1832	1882
	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 Part Number	Driver Part Number
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 part number listed in the table are motor and driver part number 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 Increment)						
YBSC22	5	100~1500	M(Motor Built-in)	P(Panasonic)	75(750W Servo)	N(Without Brake)	Out Side	Out Side
	10		BC(Motor Exposed)	Y(Yaskawa)		B(With Brake)	C(Motor Side)	3(1 Pc)
			BM(Motor Bottom Side)	M(Mitsubishi)			D (OppoSite Motor Side)	4(2 Pcs)

YBSC22 — 10 — 550 — BM — M — 75 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

Delivery 13

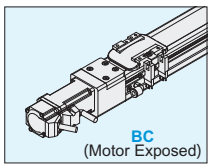
Linear Actuators

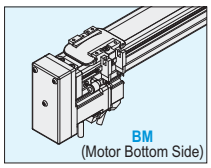
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3D model library | Example | Catalog for selection

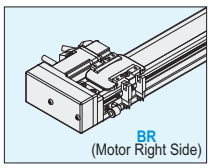
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC5	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

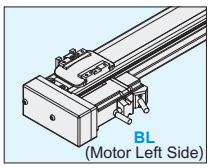
! This product does not include a motor, the motor must be purchased separately.



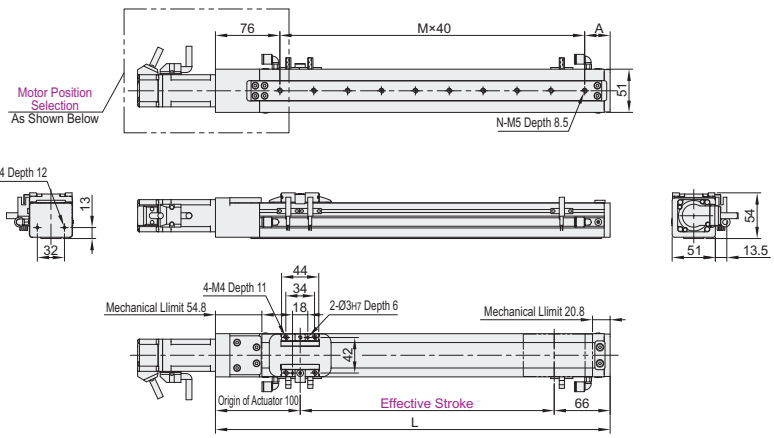








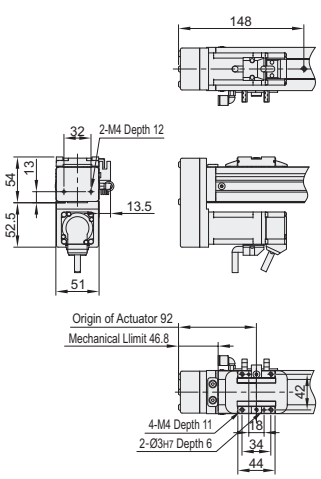
Motor Position :
BC(Motor Exposed)



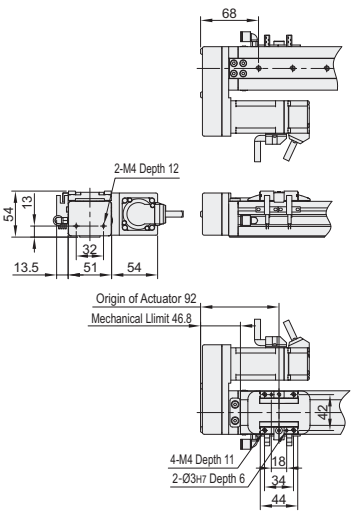
The first perspective

Motor Mounting Direction

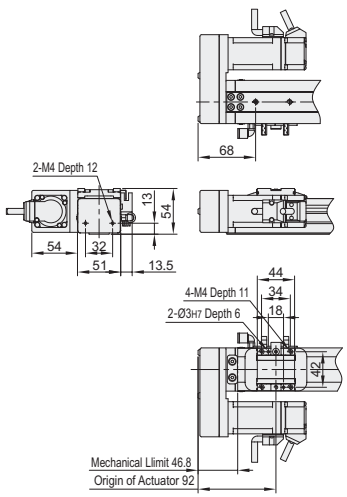
BM(Motor Bottom Side)



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 Increment)						
YCBSC5	5 10	50~800 Non-standard itinerary 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) 42(42 Stepping) ! 42 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)

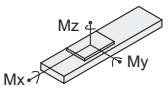
Specification

Recommended Motor Output			42 Stepping		100W Servo	
Spec	Positioning Repeatability		±0.01		±0.01	
	Ball Screw Lead		5	10	5	10
	Maximum Payload(kg)	Horizontal	10	5	10	5
		Vertical	3	1.5	3	1.5
	Rated Thrust (N)		340	170	340	170
Parts	Ball Screw Outer Diameter		12			
	Linear Guide Rail		24×8.5 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

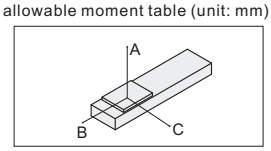
Mxd	19 N.m
Myd	20 N.m
Mzd	16N.m

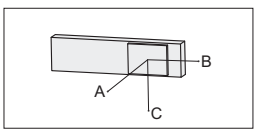


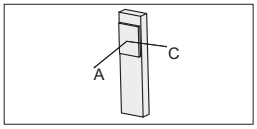
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
Mx/Mxd+My/Myd+Mz/Mzd≤1
(Mx、My、Mz are the actual moments in each direction)

Explanation :
1. The actual load shall meet the following conditions:
(a) Meet the maximum load condition in the detailed parameters table
(b) Satisfy the torque condition in the "permissible torque 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	5kg	280	24	55
	10kg	120	10	22
Lead10	3kg	245	40	78
	5kg	140	22	43

Wall-mounted installation		A	B	C
Lead5	5kg	51	30	300
	10kg	20	15	195
Lead10	3kg	74	37	231
	5kg	40	20	131

Vertical installation		A	C
Lead5	1kg	140	140
	3kg	47	47
Lead10	1kg	125	125
	1.5kg	83	83

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke															
			50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
12	42 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															
		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
BC (Motor Exposed)	L	216	266	316	366	416	466	516	566	616	666	716	766	816	866	916	966
	A	60	30	40	50	60	30	40	50	60	30	40	50	60	30	40	50
	M	2	4	5	6	7	9	10	11	12	14	15	16	17	19	20	21
	N	3	5	6	7	8	10	11	12	13	15	16	17	18	20	21	22
	Weight (kg)※	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8		3	3.1	3.2	3.3	3.4	3.5	3.6
BM (Motor Bottom Side)	L	208	258	308	358	408	458	508	558	608	658	708	758	808	858	908	958
	A	60	30	40	50	60	30	40	50	60	30	40	50	60	30	40	50
	M	0	2	3	4	5	7	8	9	10	12	13	14	15	17	18	19
	N	1	3	4	5	6	8	9	10	11	13	14	15	16	18	19	20
	Weight (kg)※	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3.1	3.2	3.3	3.4	3.5	3.6
BR (Motor Right Side)	L	208	258	308	358	408	458	508	558	608	658	708	758	808	858	908	958
	A	60	30	40	50	60	30	40	50	60	30	40	50	60	30	40	50
	M	2	4	5	6	7	9	10	11	12	14	15	16	17	19	20	21
	N	3	5	6	7	8	10	11	12	13	15	16	17	18	20	21	22
	Weight (kg)※	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3.1	3.2	3.3	3.4	3.5	3.6
BL (Motor Left Side)	L	208	258	308	358	408	458	508	558	608	658	708	758	808	858	908	958
	A	60	30	40	50	60	30	40	50	60	30	40	50	60	30	40	50
	M	2	4	5	6	7	9	10	11	12	14	15	16	17	19	20	21
	N	3	5	6	7	8	10	11	12	13	15	16	17	18	20	21	22
	Weight (kg)※	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3.1	3.2	3.3	3.4	3.5	3.6

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Part Number	Driver Part Number
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 part number listed in the table are motor and driver part number 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 Code	Ball Screw Lead	Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
YCBSC5	5	50~800	BC(Motor Exposed)	P(Panasonic)	10(100W Servo)	N(Without Brake)	Out Side	Out Side
	10		BM(Motor Bottom Side)	Y(Yaskawa)	42(42 Stepping)	B(With Brake)	C(Motor Side)	3(1 Pc)
			BR(Motor Right Side)	M(Mitsubishi)			D (OppoSite Motor Side)	4(2 Pcs)

YCBSC5 — 10 — 550 — BM — M — 10 — N — C — 4

Discount price

Per	1~4	5~
Price	100%	Additional quotation

Delivery 13

! Quantity (1~4 Pcs)

Linear Actuators