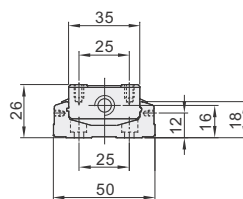
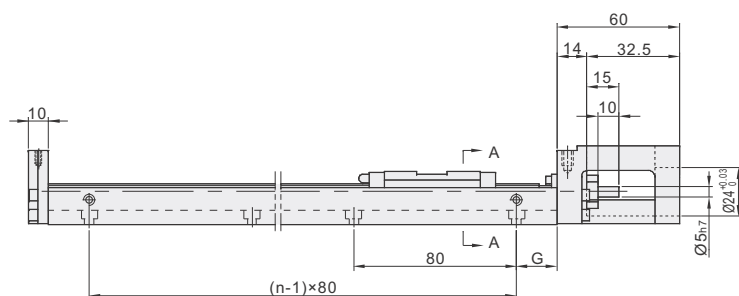
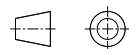
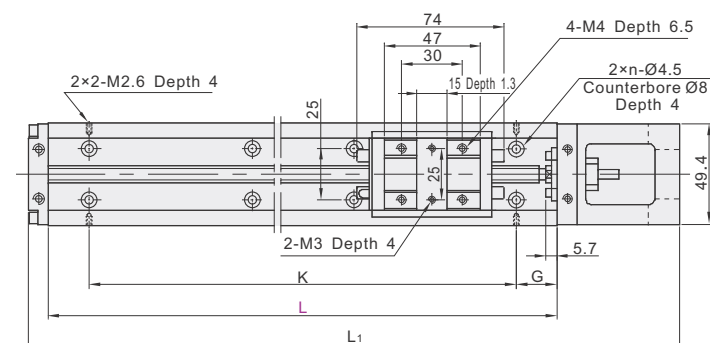


Code	Type	Ball Screw Lead	Slider	Base		Motor Support	
			Material	Material	Hardness	Material	Surface Treatment
KK50A	Servo Motor Type	2	Alloy Steel	Chrome Molybdenum Steel	58-62 HRC	Aluminum Alloy	Black Anodize



Cross Section A-A



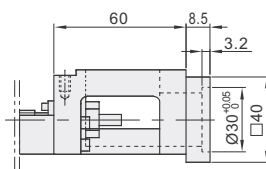
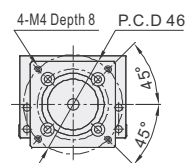
The first perspective

Part number		Rail Length	Number of Slider	Accuracy Grade	Motor Connection Support Selection	Limit Switch/ Installation Rail Selection	Ball Screw		Length of Workbench L ₁	G	n	K	Maximum Stroke		Weight(kg)	
Code	No.	L		Grade			Shaft Dia.	Lead					Single Slider	Dual Slider	Single Slider	Dual Slider
KK50A	802	150✖							220	35	2	80	70	—	1	—
		200	1(Single Slider)	C(Normal Grade)	F1	No Sign: (No S0 (Switch Rail Only)	8	2	270	20	3	160	120	55	1.2	1.4
		250	2(Dual Slider)	P(Precision Grade)	F2	S1 (Switch Rail+ SX671)			320	45	3	160	170	105	1.4	1.6
		300				S2 (Switch Rail+ SX674)			370	30	4	240	220	155	1.6	1.8

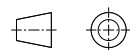
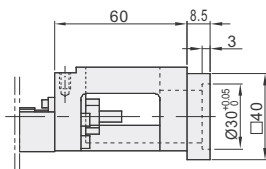
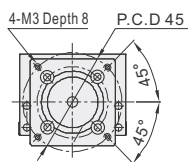
❗ The rail length with ✕ is not suitable for dual block.

Motor connecting flange and motor correspondence table

Motor Connection
Support : [F1](#)



Motor Connection
Support : [F2](#)



The first perspective

Code	Applicable Motor Type	Motor Connection Flange Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK50A	Servo Motor	F1	Mitsubishi Electric	HC-PQ033	30W
				HC-PQ053	50W
				HC-PQ13	100W
				HC-KFS053	50W
				HC-KFS13	100W
			Yaskawa Electric	SGMAH-A3	30W
				SGMAH-A5	50W
				SGMAH-01	100W

Code	Applicable Motor Type	Motor Connection Flange Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK50A	Servo Motor	F2	Panasonic	MSM3AZ	30W
				MSM5AZ	50W
				MSM01	100W

Limit Switch/Installation Switch Rail Dimension Table

S0(Switch Rail)

S1(Switch Rail+ SX671)

S2(Switch Rail+ SX674)

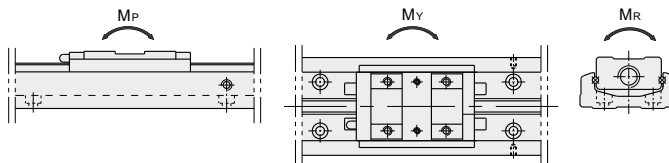
Code	Limit Switch/Installation Rail	a	b	c	d
KK50A	S1(Switch Rail+ SX671)	45.5	59	1	10
	S2(Switch Rail+ SX674)	41.3	48		10.5

Accuracy Grade

Code	Rail Length L	Repeated Positioning Accuracy		Positioning Accuracy		Running Parallelism		Maximum Starting Torque(N·cm)	
		Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade
KK50A	150	±0.01	±0.003	—	0.020	—	0.010	2	4
	200								
	250								
	300								

Allowable Static Torque

Code	Accuracy Grade	Allowable Static Torque					
		Linear Guide rail					
		Pitching		Yawing M _y (N·m)		Rolling M _R (N·m)	
		Single Slider	Dual Slider	Single Slider	Dual Slider	Single Slider	Dual Slider
KK50A	Normal Grade	116	278	116	278	222	444
	Precision Grade						



Allowable Load

Code	Accuracy Grade	Basic Load Rating(N)			
		Ball Screw		Linear Guide rail	
		C(Dynamic)	Co(Static)	C(Dynamic)	Co(Static)
KK50A	Normal Grade	1813	2910	8007	12916
	Precision Grade	2136	3489		



Part number	Rail Length	Number of	Precision	Motor Connection	Limit Switch/
Code	No.	Slider	Grade	Support Selection	Installation Rail Selection
KK50A	802	150	1(Normal Grade) 2(Dual Slider)	F2	No Sign: (No) S0 (Switch Rail Only) SD (Switch Rail+ SX671)

KK50A — 802 — L150 — 1 — C — F1 — S1



Discount price	Per	1~9	10~19
Price	100%	Additional quotation	

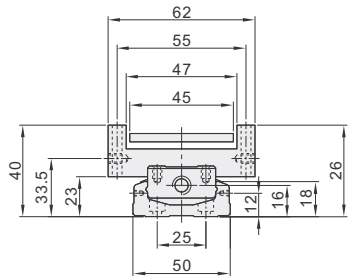
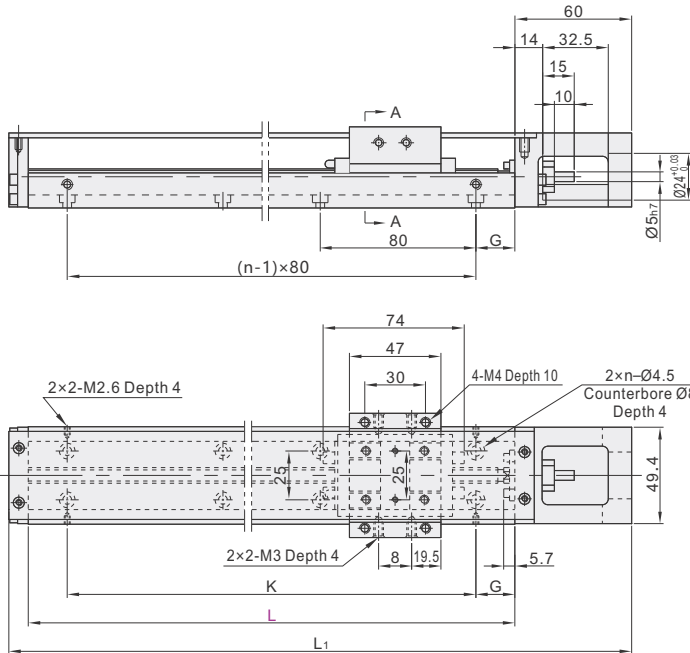


Delivery	12
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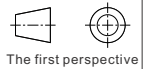
1 Normal Grade, Single Slider(1~5 pcs)



Code	Type	Ball Screw Lead	Slider Material	Base			Motor Support		Cover	
				Material	Hardness	Material	Surface Treatment	Material	Surface Treatment	
KK50AC	Servo Motor Type	2	Alloy Steel	Chrome Molybdenum Steel	58-62 HRC	Aluminum Alloy	Black Anodize	A6063	Black Anodize	



Cross Section A-A



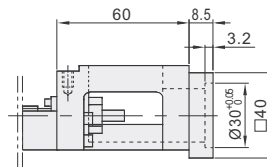
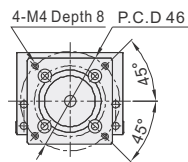
The first perspective

Part number		Rail Length	Number of Slider	Accuracy Grade	Motor Connection Support Selection	Limit Switch/Installation Rail Selection	Ball Screw		Length of Workbench L ₁	G	n	K	Maximum Stroke		Weight(kg)	
Code	No.	L		Grade			Shaft Dia.	Lead					Single Slider	Dual Slider	Single Slider	Dual Slider
KK50AC	802	150✂							220	35	2	80	70	—	1.1	—
		200	1(Single Slider)	C(Normal Grade)	F1	No Sign:(No) S0 (Switch Rail Only)	8	2	270	20	3	160	120	55	1.3	1.5
		250	2(Dual Slider)	P(Precision Grade)	F2	S1 (Switch Rail+ SX671) S2 (Switch Rail+ SX674)			320	45	3	160	170	105	1.6	1.8
		300							370	30	4	240	220	155	1.8	2.0

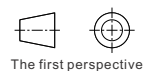
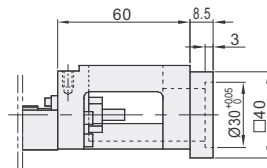
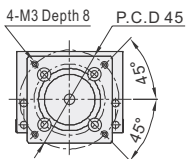
① The rail length with ※ is not suitable for dual block.

② Motor connection support and motor correspondence table

Motor Connection Support : F1



Motor Connection Support : F2



The first perspective

Code	Applicable Motor Type	Motor Connection Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK50AC	Servo Motor	F1	Mitsubishi Electric	HC-PQ033	30W
				HC-PQ053	50W
				HC-PQ13	100W
				HC-KFS053	50W
			Yaskawa Electric	HC-KFS13	100W
				SGMAH-A3	30W
				SGMAH-A5	50W
				SGMAH-01	100W

Code	Applicable Motor Type	Motor Connection Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK50AC	Servo Motor	F2	Panasonic	MSM3AZ	30W
				MSM5AZ	50W
				MSM01	100W

Limit Switch/Installation Switch Rail Dimension Table

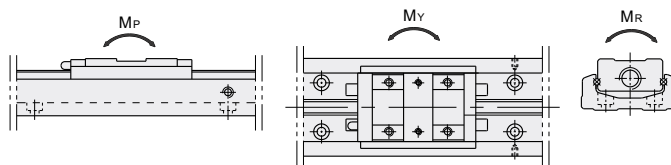
S0 (Switch Rail)		S1 (Switch Rail+ SX671)	
S2 (Switch Rail+ SX674)			
Code	Limit Switch/Installation Rail	e	f
KK50AC	S1(Switch Rail+ SX671)	15	11
	S2(Switch Rail+ SX674)	10.2	11

Accuracy Grade

Code	Rail Length L	Repeated Positioning Accuracy		Positioning precision		Running Parallelism		Maximum Starting Torque(N·cm)	
		Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade
KK50AC	150	±0.01	±0.003	—	0.020	—	0.010	2	4
	200								
	250								
	300								

Allowable Static Torque

Code	Accuracy Grade	Allowable Static Torque					
		Linear Guide rail					
		Pitching M _P (N·m)		Yawing M _Y (N·m)		Rolling M _R (N·m)	
		Single Slider	Dual Slider	Single Slider	Dual Slider	Single Slider	Dual Slider
KK50AC	Normal Grade	116	278	116	278	222	444
	Precision Grade						



Allowable Load

Code	Accuracy Grade	Basic Load Rating(N)			
		Ball Screw		Linear Guide rail	
		C(Dynamic)	Co(Static)	C(Dynamic)	Co(Static)
KK50AC	Normal Grade	1813	2910	8007	12916
	Precision Grade	2136	3489		



Part number	Rail Length	Number of	Precision	Motor Connection	Limit Switch/
Code	No.	Slider	Grade	Support Selection	Installation Rail Selection
KK50AC	802	150 200	1(Single Slider) 2(Dual Slider)	C(Normal Grade) P(Precision Grade)	F2 F1
		No Sign: (No) S0 (Switch Rail Only) S1 (Switch Rail+ SX671)			



Per	1~9	10~19
Price	100%	Additional quotation

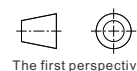
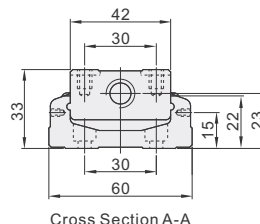
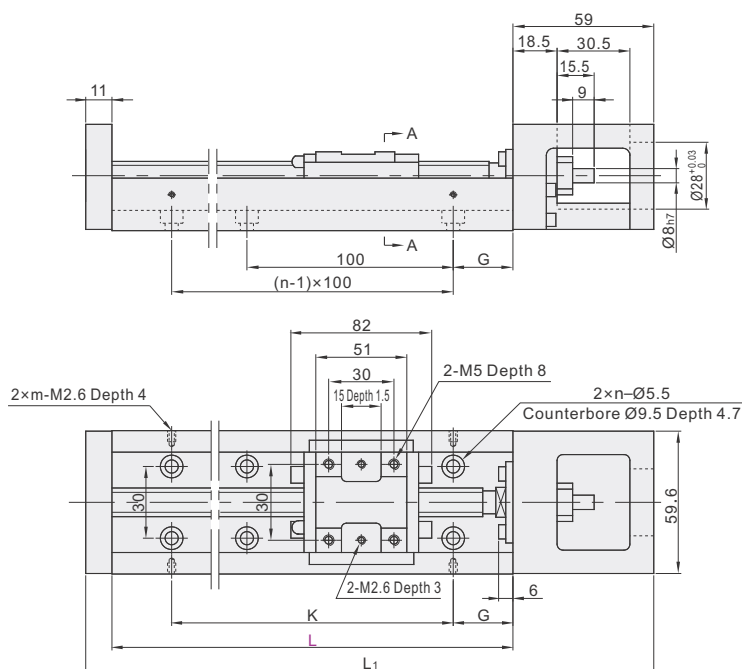


Delivery
12

(1) Normal Grade, Single Slider(1~5 pcs)

KK50AC — 802 — L150 — 1 — C — F1 — S1

Code	Type	Ball Screw Lead	Slider	Base		Motor Support	
			Material	Material	Hardness	Material	Surface Treatment
KK60A	Servo Motor Type	5/10	Alloy Steel	Chrome Molybdenum Steel	58-62 HRC	Aluminum Alloy	Black Anodize

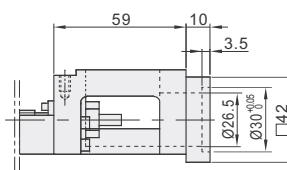
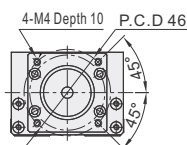


Part number		Rail Length	Number of Slider	Accuracy Grade	Motor Connection Support Selection	Limit Switch/ Installation Rail Selection	Ball Screw		Length of Workbench L	G	n	K	m	Maximum Stroke		Weight(kg)	
Code	No.	L					Shaft Dia.	Lead						Single Slider	Dual Slider	Single Slider	Dual Slider
KK60A	1205	150※						5	220	25				60		1.5	
	1210							10			2	100			—		—
	1205	200※						5	270				2	110		1.8	
	1210							10									
	1205	300	1(Single Slider)	C(Normal Grade)	F1	No Sign: (No)		5	370		3	200		210	135	2.4	2.7
	1210		2(Dual Slider)	P(Precision Grade)	F2	S0 (Switch Rail Only)	12	10									
	1205	400				S1 (Switch Rail+ SX671)		5	470	50	4	100	4	310	235	3	3.3
	1210					S2 (Switch Rail+ SX674)		10									
	1205	500						5	570		5	200	3	410	335	3.6	3.9
	1210							10									
1205	600						5	670		6	100	6	510	435	4.2	4.6	
1210							10										

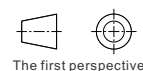
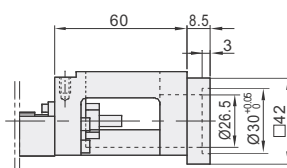
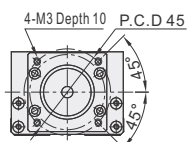
❗ The rail length with ✖ is not suitable for dual block.

 Motor connection support and motor correspondence table

Motor Connection
Support : [F1](#)



Motor Connection
Support : [F2](#)

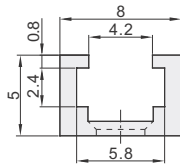


Code	Applicable Motor Type	Motor Connection Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK60A	Servo Motor	F1	Mitsubishi Electric	HC-PQ033	30W
				HC-PQ053	50W
				HC-PQ13	100W
				HC-KFS053	50W
				HC-KFS13	100W

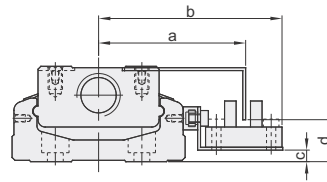
Code	Applicable Motor Type	Motor connection support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK60A	Servo Motor	F1	Yaskawa electric	SGMAH-A3	30W
				SGMAH-A5	50W
				SGMAH-01	100W
		F2	Panasonic	MSM3AZ	30W
				MSM5AZ	50W
				MSM01	100W

Limit Switch/Installation Switch Rail Dimension Table

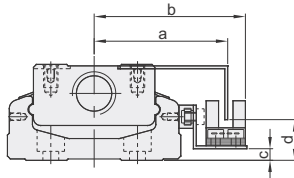
S0(Switch Rail)



S1(Switch Rail+ SX671)



S2(Switch Rail+ SX674)



Code	Limit Switch/Installation Rail	a	b	c	d
KK60A	S1(Switch Rail+ SX671)	51	63.8	4	14.5
	S2(Switch Rail+ SX674)	46.2	52.8	4	14



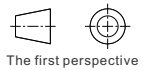
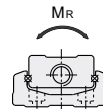
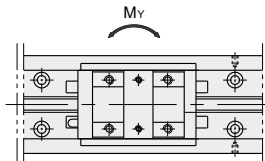
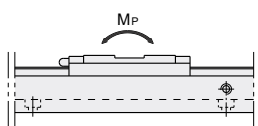
The first perspective

Accuracy Grade

Code	Rail Length L	Repeated Positioning Accuracy		Positioning Accuracy		Running Parallelism		Maximum Starting Torque(N·cm)	
		Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade
KK60A	150	±0.01	±0.003	—	0.020	—	0.010	7	15
	200								
	300								
	400								
	500	—	—	—	0.025	—	0.015	—	—
	600								

Allowable Static Torque

Code	Accuracy Grade	Allowable Static Torque					
		Linear Guide rail					
		Pitch M _P (N·m)		Yawing M _Y (N·m)		Rolling M _R (N·m)	
		Single Slider	Dual Slider	Single Slider	Dual Slider	Single Slider	Dual Slider
KK60A	Normal Grade	152	348	152	348	419	838
	Precision Grade	—	—	—	—	—	—



The first perspective

Allowable Load

Code	Ball Screw Lead	Accuracy Grade	Basic Load Rating(N)			
			Ball Screw		Linear Guide rail	
			C(Dynamic)	Co(Static)	C(Dynamic)	Co(Static)
KK60A	5	Normal Grade	3377	5625	13230	21462
		Precision Grade	3744	6243		
	10	Normal Grade	2107	3234	—	—
		Precision Grade	2410	3743		



Part number	Rail Length	Number of Slider	Accuracy Grade	Motor Connection Support Selection	Limit Switch/ Installation Rail Selection
Code	No.				
KK60A	1205	150	(1)Single Slider	(1)Normal Grade	No Sign: (No)
	1210	200	(2)Dual Slider	(2)Precision Grade	S0 (Switch Rail Only)
	1205	—	—	—	S1(Switch Rail+ SX671)
	1210	—	—	—	—

KK60A — 1205 — L150 — 1 — C — F1 — S1



Discount price
Per 1~9 10~
Price 100% Additional quotation

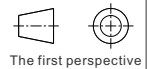
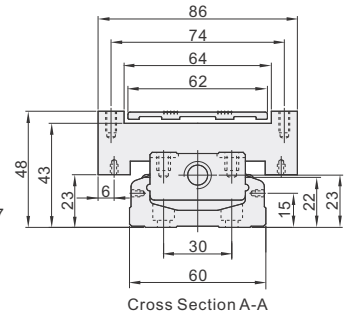
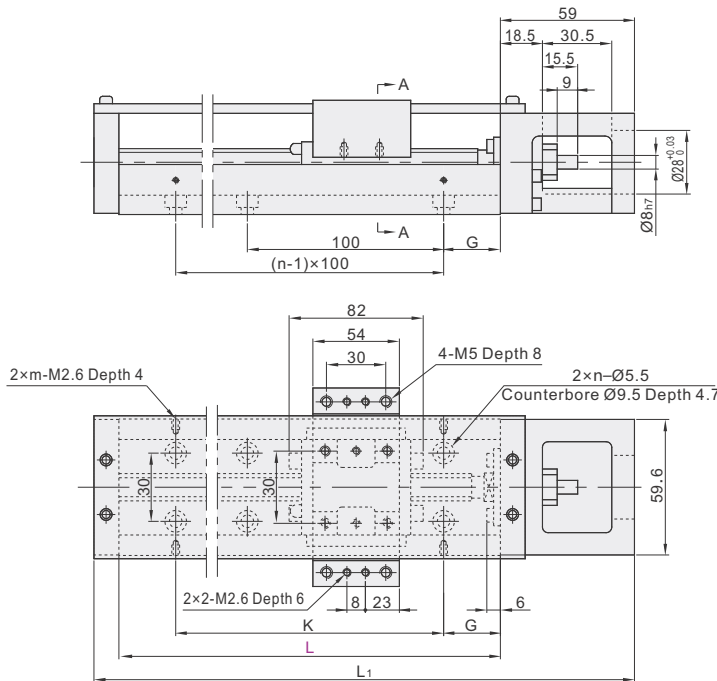


Delivery
12

(1) Normal Grade Single Slider(1~5 pcs)



Code	Type	Ball Screw Lead	Slider	Base			Motor Support		Cover	
				Material	Material	Hardness	Material	Surface Treatment	Material	Surface Treatment
KK60AC	Servo Motor Type	5/10	Alloy Steel	Chrome Molybdenum Steel	58-62 HRC		Aluminum Alloy	Black Anodize	A6063	Black Anodize

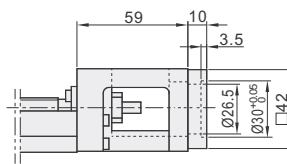
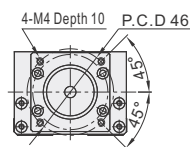


Part number Code	Rail Length No. L	Number of Slider	Accuracy Grade	Motor Connection Support Selection	Limit Switch/ Installation Rail Selection	Ball Screw Shaft Dia. Lead	Length of Workbench L	G	n	K	m	Maximum Stroke		Weight(kg)	
												Single Slider	Dual Slider	Single Slider	Dual Slider
KK60AC	1205	150※				5	220	25				60		1.7	
	1210					10			2	100					
	1205	200※				5	270				2	110		2.1	
	1210					10									
	1205	300	1(Single Slider)	C(Normal Grade)	F1	5	370		3	200		210	135	2.7	3.0
	1210		2(Dual Slider)	P(Precision Grade)	F2	10									
	1205	400			S0 (Switch Rail Only)	5	470	50	4	100	4	310	235	3.3	3.6
	1210				S1 (Switch Rail + SX671)	10									
	1205	500			S2 (Switch Rail + SX674)	5	570		5	200	3	410	335	3.9	4.2
	1210					10									
	1205	600				5	670		6	100	6	510	435	4.6	5.0
	1210					10									

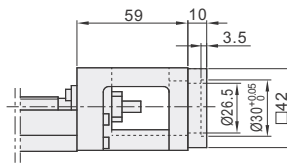
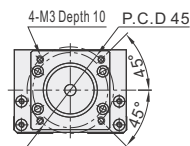
① The rail length with ※ is not suitable for dual block.

② Motor connection support and motor correspondence table

Motor Connection
Support : F1



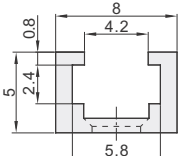
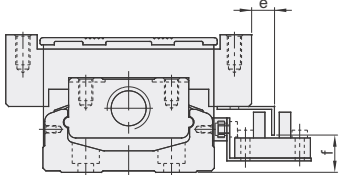
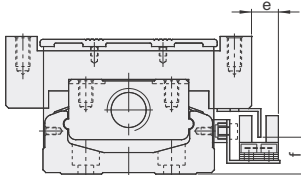
Motor Connection
Support : F2



Code	Applicable Motor Type	Motor Connection Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK60AC	Servo Motor	F1	Mitsubishi Electric	HC-PQ033	30W
				HC-PQ053	50W
				HC-PQ13	100W
				HC-KFS053	50W
				HC-KFS13	100W

Code	Motor type	Motor Connection Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK60AC	Servo Motor	F1	Yaskawa Electric	SGMAH-A3	30W
				SGMAH-A5	50W
				SGMAH-01	100W
		F2	Panasonic	MSM3AZ	30W
				MSM5AZ	50W
				MSM01	100W

Limit Switch/Installation Switch Rail Dimension Table

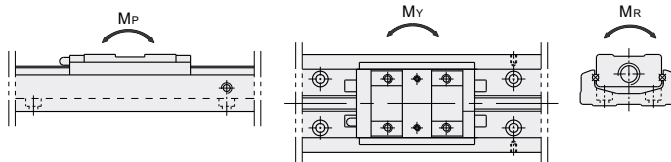
S0 (Switch Rail) 		S1 (Switch Rail + SX671) 	
S2 (Switch Rail + SX674) 			
Code	Limit Switch/Installation Rail	e	f
KK60AC	S1(Switch Rail + SX671)	8	13
	S2(Switch Rail + SX674)	3.2	

Accuracy Grade

Code	Rail Length L	Repeated Positioning Accuracy		Positioning Accuracy		Running Parallelism		Maximum Starting Torque(N·cm)	
		Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade
KK60AC	150								
	200				0.020		0.010		
	300	±0.01	±0.003	—		—		7	15
	400								
	500				0.025		0.015		
	600								

Allowable Static Torque

Code	Accuracy Grade	Allowable Static Torque					
		Linear Guide rail					
		Pitching M _P (N·m)		Yawing M _Y (N·m)		Rolling M _R (N·m)	
		Single Slider	Dual Slider	Single Slider	Dual Slider	Single Slider	Dual Slider
KK60AC	Normal Grade						
	Precision Grade	152	348	152	348	419	838



Allowable Load

Code	Ball Screw Lead	Accuracy Grade	Basic Load Rating(N)			
			Ball Screw		Linear Guide rail	
			C(Dynamic)	Co(Static)	C(Dynamic)	Co(Static)
KK60AC	5	Normal Grade	3377	5625		
		Precision Grade	3744	6243		
	10	Normal Grade	2107	3234	13230	21462
		Precision Grade	2410	3743		



Part number	Rail Length	Number of Slider	Accuracy Grade	Motor Connecting Support Selection	Limit Switch/Installation Rail Selection
Code	No.				
KK60AC	1205	1	Normal Grade	F1	No Sign: (No)
	1210	1	Precision Grade	F2	S0 (Switch Rail Only)
	1205	2	Normal Grade	F1	S1 (Switch Rail + SX671)
	1210	2	Precision Grade	F2	S2 (Switch Rail + SX674)

KK60AC — 1205 — L150 — 1 — C — F1 — S1



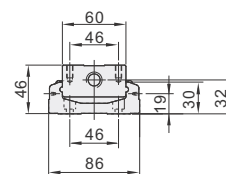
Discount price			
Per	1~9	10~	
Price	100%	Additional quotation	



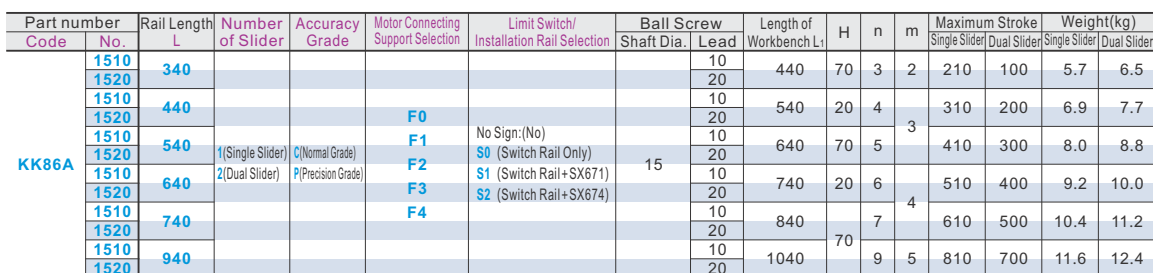
Delivery	
12	

1 Normal Grade, Single Slider(1~5 pcs)

◀ **86 Series, Standard Type**
Without Cover



The first perspective



Motor Connection
Support : **F0**

Motor Connection
Support : **F1**

Motor Connection
Support : **F2**

Motor Connection
Support : **F3**

Motor Connection
Support : **F4**



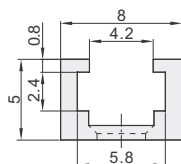

The first perspective

Code	Applicable Motor Type	Motor Connection Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
				HC-PQ033	30W
				HC-PQ053	50W

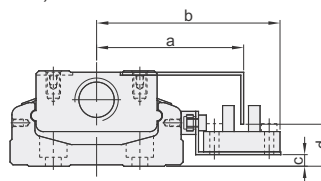
Code	Applicable Motor Type	Motor Connection Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK86A	Servo Motor	F2	Mitsubishi Electric	HC-PQ033	30W
				HC-PQ053	50W
				HC-PQ13	100W
				HC-KFS053	50W
				HC-KFS13	100W
			Yaskawa Electric	SGMAH-A3	30W
				SGMAH-A5	50W
				SGMAH-01	100W
		F3	Panasonic	MSM3AZ	30W
				MSM5AZ	50W
				MSM01	100W
				MSM08	750W
F4	Panasonic				

Limit Switch/Installation Switch Rail Dimension Table

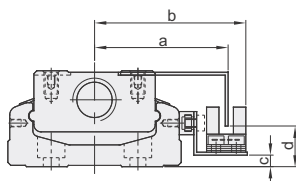
S0(Switch Rail)



S1(Switch Rail+ SX671)



S2(Switch Rail+ SX674)



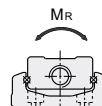
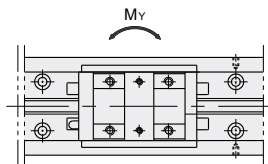
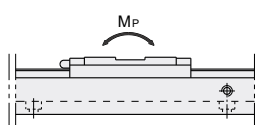
Code	Limit Switch/Installation Rail	a	b	c	d
KK86A	S1(Switch Rail+ SX671)	63.5	76.7	8	18
	S2(Switch Rail+ SX674)	59	65.7	8	18

Accuracy Grade

Code	Rail Length L	Repeated Positioning Accuracy		Positioning Accuracy		Running Parallelism		Maximum Starting Torque(N-cm)	
		Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade
KK86A	340	±0.01	±0.003	—	0.025	—	0.015	10	15
	440								
	540								
	640				0.030		0.020		17
	740				0.040		0.030		25

Allowable Static Torque

Code	Accuracy Grade	Allowable Static Torque					
		Linear Guide rail					
		Pitching M _P (N-m)		Yawing M _Y (N-m)		Rolling M _R (N-m)	
		Single Slider	Dual Slider	Single Slider	Dual Slider	Single Slider	Dual Slider
KK86A	Normal Grade	622	3050	622	3050	1507	3014
	Precision Grade						



Allowable Load

Code	Ball Screw Lead	Accuracy Grade	Basic Load Rating(N)			
			Ball Screw		Linear Guide rail	
			C(Dynamic)	Co(Static)	C(Dynamic)	Co(Static)
KK86A	10	Normal Grade	3377	5625	31458	50764
		Precision Grade	3744	6243		
	20	Normal Grade	2107	3234	31458	50764
		Precision Grade	2410	3743		



Part number Code	Rail Length L	Number of Slider	Accuracy Grade	Motor Connecting Support Selection	Limit Switch/ Installation Rail Selection
KK86A	1510	1 (Single Slider)	C (Normal Grade)	F0	No Sign: (No)
	1520	2 (Dual Slider)	P (Precision Grade)	F1	S0 (Switch Rail Only)
	1510			F2	S1 (Switch Rail+ SX671)
	1520			F3	

KK86A — 1510 — L340 — 1 — C — F1 — S1



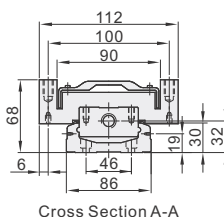
Discount price
Per 1~9 10~
Price 100% Additional quotation



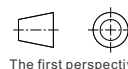
Delivery
12

1 Normal Grade, Single Slider (1~5 pcs)

◀ 86 Series, Standard Type

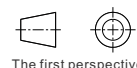
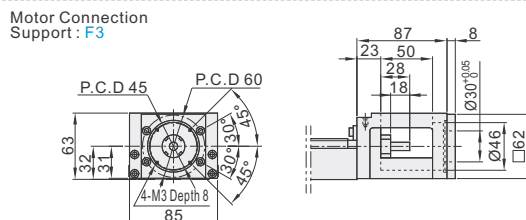
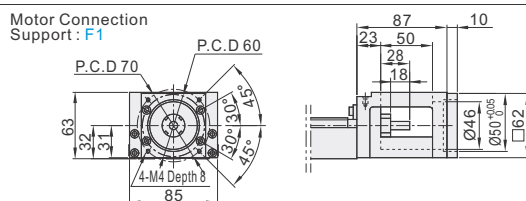


Cross Section A-A



The first perspective

 Motor connection support and motor correspondence table

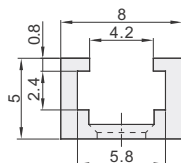


The first perspective

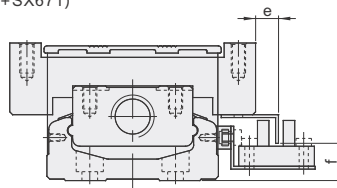
Code	Applicable Motor Type	Motor Connection Support	Applicable Brand		Output Power
			Name of Manufactory	No.	
KK86AC	Servo Motor	F2	Mitsubishi Electric	HC-PQ033	30W
				HC-PQ053	50W
				HC-PQ13	100W
				HC-KFS053	50W
				HC-KFS13	100W
				SGMAH-A3	30W
		F3	Yaskawa Electric	SGMAH-A5	50W
				SGMAH-01	100W
				MSM3AZ	30W
				MSM5AZ	50W
				MSM01	100W
				MSM08	750W
F4	Panasonic				

Limit Switch/Installation Switch Rail Dimension Table

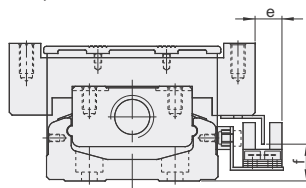
S0(Switch Rail)



S1(Switch Rail + SX671)



S2(Switch Rail + SX674)



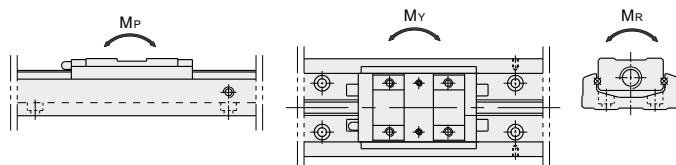
Code	Limit Switch/Installation Rail	e	f
KK86AC	S1(Switch Rail + SX671)	8	18
	S2(Switch Rail + SX674)	3	

Accuracy Grade

Code	Rail Length L	Repeated Positioning Accuracy		Positioning Accuracy		Running Parallelism		Maximum Starting Torque(N·cm)			
		Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade	Normal Grade	Precision Grade		
KK86AC	340	±0.01	±0.003	—	0.025	—	0.015	10	15		
	440										
	540										
	640				0.030		0.020		17		
	740										
	940				0.040		0.030		25		

Allowable Static Torque

Code	Accuracy Grade	Allowable Static Torque					
		Linear Guide rail					
		Pitching M _P (N·m)		Yawing M _Y (N·m)		Rolling M _R (N·m)	
		Single Slider	Dual Slider	Single Slider	Dual Slider	Single Slider	Dual Slider
KK86AC	Normal Grade	622	3050	622	3050	1507	3014
	Precision Grade						



Allowable Load

Code	Ball Screw Lead	Accuracy Grade	Basic Load Rating(N)			
			Ball Screw		Linear Guide rail	
			C(Dynamic)	Co(Static)	C(Dynamic)	Co(Static)
KK86AC	10	Normal Grade	3377	5625	31458	50764
		Precision Grade	3744	6243		
	20	Normal Grade	2107	3234		
		Precision Grade	2410	3743		



Part number	Rail Length	Number of Slider	Accuracy Grade	Motor Connecting Support Selection	Limit Switch/ Installation Rail Selection
Code	No. L				
KK86AC	1520	340	1(Single Slider)	F0	No Sign: (No)
	1510	440	2(Dual Slider)	F1	S0(Switch Rail Only)
	1520	440		F2	S1(Switch Rail + SX671)
				F3	

KK86AC — 1510 — L340 — 1 — C — F1 — S1



Per	1~9	10~
Price	100%	Additional quotation



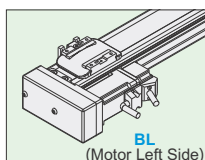
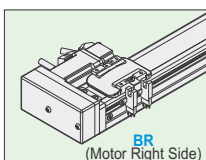
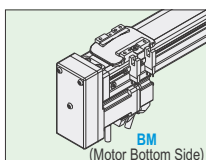
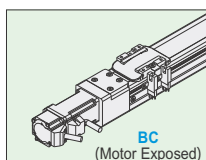
Normal Grade, Single Slider(1~5 pcs)

◀ YBSC5 Series

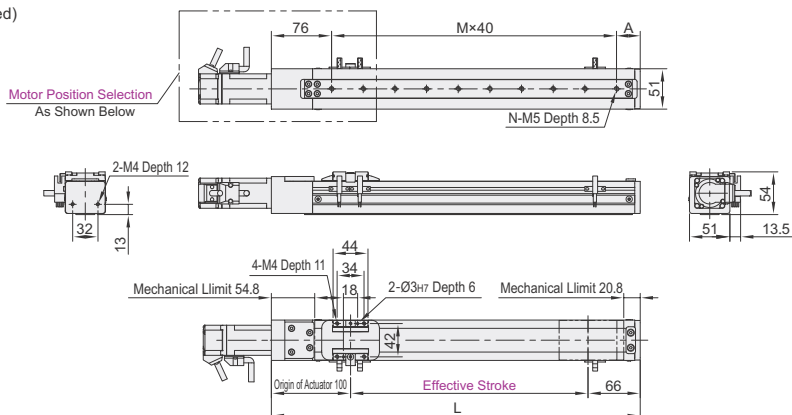
Ball Screw Drive, General Environment

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.

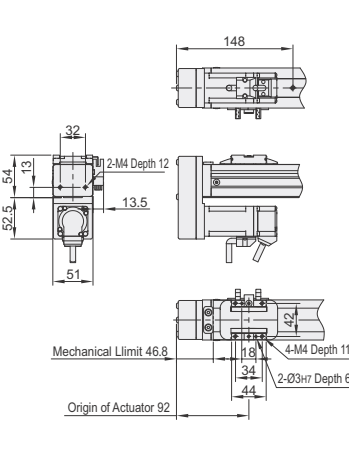
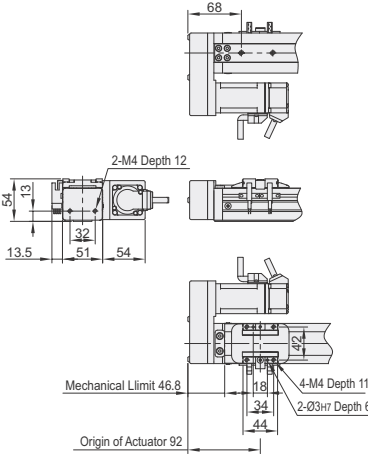
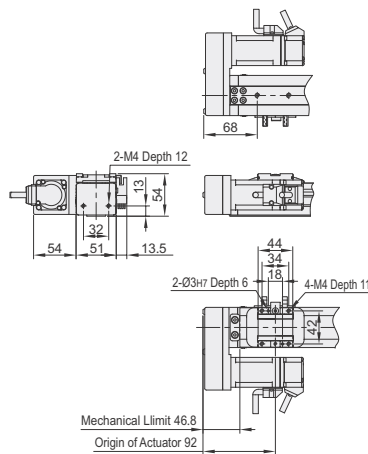


Motor Position :
BC(Motor Exposed)



The first perspective

Motor Position Selection

BM (Motor Bottom Side)	BR (Motor Right Side)	BL (Motor Left Side)
 Technical drawings of the BM (Motor Bottom Side) showing top, side, and front views with dimensions: - Top view: Overall width 148, mounting hole diameter 32, distance between mounting holes 13, distance from center to mounting hole 54, distance from center to bottom flange 51. - Side view: Mounting hole diameter 32, distance between mounting holes 13.5. - Front view: Mounting hole diameter 32, distance between mounting holes 13.5, distance from center to mounting hole 54, distance from center to bottom flange 51. - Bottom view: Mounting hole diameter 32, distance between mounting holes 13.5, distance from center to mounting hole 54, distance from center to bottom flange 51. - Internal view: Mounting hole diameter 32, distance between mounting holes 13.5, distance from center to mounting hole 54, distance from center to bottom flange 51. - Mechanical Limit 46.8 - Origin of Actuator 92 4-M4 Depth 11 2-Ø3H7 Depth 6	 Technical drawings of the BR (Motor Right Side) showing top, side, and front views with dimensions: - Top view: Overall width 68, mounting hole diameter 32, distance between mounting holes 13, distance from center to mounting hole 54, distance from center to bottom flange 51. - Side view: Mounting hole diameter 32, distance between mounting holes 13.5. - Front view: Mounting hole diameter 32, distance between mounting holes 13.5, distance from center to mounting hole 54, distance from center to bottom flange 51. - Bottom view: Mounting hole diameter 32, distance between mounting holes 13.5, distance from center to mounting hole 54, distance from center to bottom flange 51. - Internal view: Mounting hole diameter 32, distance between mounting holes 13.5, distance from center to mounting hole 54, distance from center to bottom flange 51. - Mechanical Limit 46.8 - Origin of Actuator 92 4-M4 Depth 11 2-Ø3H7 Depth 6	 Technical drawings of the BL (Motor Left Side) showing top, side, and front views with dimensions: - Top view: Overall width 68, mounting hole diameter 32, distance between mounting holes 13, distance from center to mounting hole 54, distance from center to bottom flange 51. - Side view: Mounting hole diameter 32, distance between mounting holes 13.5. - Front view: Mounting hole diameter 32, distance between mounting holes 13.5, distance from center to mounting hole 54, distance from center to bottom flange 51. - Bottom view: Mounting hole diameter 32, distance between mounting holes 13.5, distance from center to mounting hole 54, distance from center to bottom flange 51. - Internal view: Mounting hole diameter 32, distance between mounting holes 13.5, distance from center to mounting hole 54, distance from center to bottom flange 51. - Mechanical Limit 46.8 - Origin of Actuator 92 4-M4 Depth 11 2-Ø3H7 Depth 6

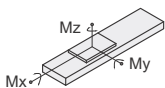
Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YBSC5	5	50~800 Non-standard stroke can be customized	BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) 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(OppoSide Motor Side)	Out Side 3(1 Pc.) 4(2 Pcs)
	10		No Sensor E(No Sensor)	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		24x8.5 Single Branch,Single Slide Block			
	Home Sensor	Out Side	EE-SX672(NPN)			
		In Side	—			

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	5.5 N.m		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 travel. Need 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.
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: $Mx/Mxd+My/Myd+Mz/Mzd\leq 1$ (Mx, My, Mz are the actual moments in each direction)			

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					
		10	500										450					

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	

① Please consult our staff for other types of motor.

① 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.



Part Number Code	Effective Stroke Ball Screw Lead (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
YBSC5	5	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)	C(Motor Side) D(Opposite Motor Side)	C(1 Pc) D(2 Pcs)

YBSC5-10-550-BM-M-42-N-C-4



Discount price	Per 1~4	5~
Price 100%	Additional quotation	

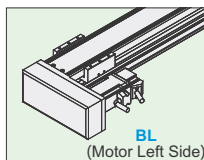
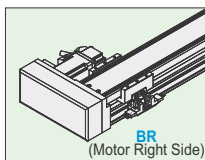
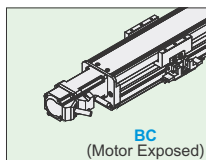


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① Quantity (1~4 Pcs)

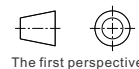
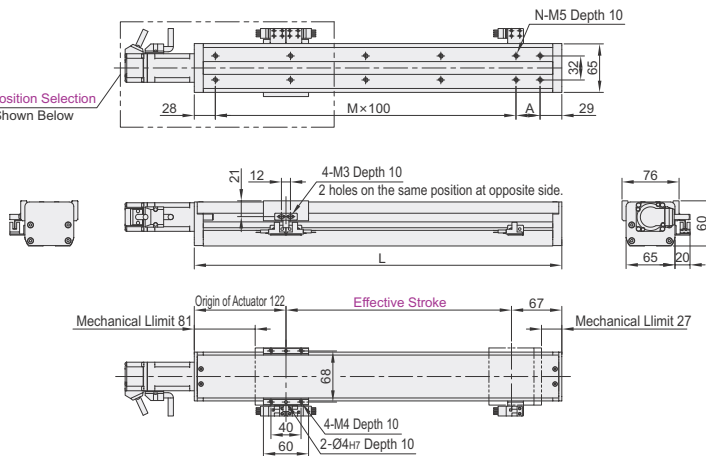
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC6B	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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



Motor Position :
BC(Motor Exposed)

Motor Position Selection
As Shown Below



Motor Position Selection

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

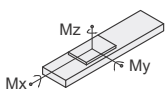
Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YBSC6B	5	100~800 Non-standard stroke can be customized	BC(Motor Exposed) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) 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)
	10							

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	24x8.5 Single Branch, Single Slide Block	
	Home Sensor	Out Side	EE-SX674(NPN)
		In Side	—

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	5.5 N.m		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 travel. Need 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.
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: $Mx/Mxd+My/Myd+Mz/Mzd\leq 1$ (Mx、My、Mz are the actual moments in each direction)			

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															
BC (Motor Exposed)	L	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	
		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	

① Please consult our staff for other types of motor .

① 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.



Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
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 Pcs) 4(2 Pcs)
	10							

YBSC6B — 10 — 550 — BR — M — 42 — N — C — 4



Discount price	Per	1~4	5~
Price	100%	Additional quotation	

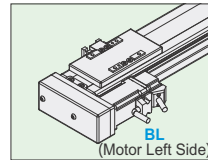
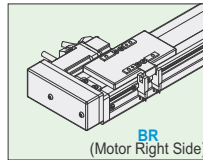
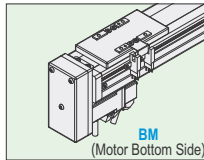
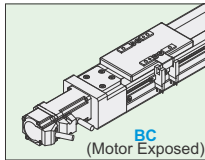


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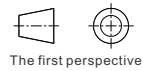
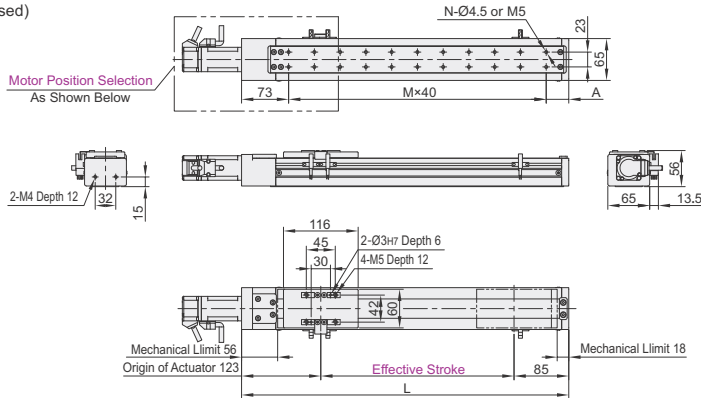
① Quantity (1~4 Pcs)

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°C 35~85%RH No Condensation

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



Motor Position :
BC(Motor Exposed)



[i] Motor Position Selection

BM(Motor Bottom Side)		BR(Motor Right Side)		BL(Motor Left Side)	
2-M4 Depth 12 32 15 50.5 65 13.5 145 116 45 30 2-Ø3H7 Depth 6 4-M5 Depth 12 Mechanical Limit 48 Origin of Actuator 115		65 15 2-M4 Depth 12 56 32 65 47 13.5 Origin of Actuator 115 Mechanical Limit 48 2-Ø3H7 Depth 6 4-M5 Depth 12 30 45 116		2-M4 Depth 12 15 50.5 65 13.5 47 32 65 116 45 30 2-Ø3H7 Depth 6 4-M5 Depth 12 Mechanical Limit 48 Origin of Actuator 115	

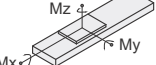
Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor	Installation
Code	Ball Lead Screw	(50 mm Increment)	Selection					Method
YBSC6	5	100~800 Non-standard stroke can be customized	BC(Motor Exposed) BM(Motor Bottom Side) BR(Motor Right Side) BL(Motor Left 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)
	10							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	4.2x9.5 Single Branch, Single Slide Block			
	Home Sensor	EE-SX672(NPN)			

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	17 N.m		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 travel. Need 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.
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: $Mx/Mxd+My/Myd+Mz/Mzd\leq 1$ (Mx, My, Mz are the actual moments in each direction)			

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke													
			100	150	200	250	300	350	400	450	500	550	600	650	700	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	800
BC (Motor Exposed)	L	308	358	408	458	508	558	608	658	708	758	808	858	908	1008
	A	35	45	55	65	35	45	55	65	35	45	55	65	35	45
	M	5	6	7	8	10	11	12	13	15	16	17	18	20	21
	N	12	14	16	18	22	24	26	28	32	34	36	38	42	44
	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
BM (Motor Bottom Side)	L	300	350	400	450	500	550	600	650	700	750	800	850	900	1000
	A	35	45	55	65	35	45	55	65	35	45	55	65	35	45
	M	3	4	5	6	8	9	10	11	13	14	15	16	18	19
	N	8	10	12	14	18	20	22	24	28	30	32	34	38	40
	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
BR (Motor Right Side)	L	300	350	400	450	500	550	600	650	700	750	800	850	900	1000
	A	35	45	55	65	35	45	55	65	35	45	55	65	35	45
	M	5	6	7	8	10	11	12	13	15	16	17	18	20	21
	N	12	14	16	18	22	24	26	28	32	34	36	38	42	44
	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
BL (Motor Left Side)	L	300	350	400	450	500	550	600	650	700	750	800	850	900	1000
	A	35	45	55	65	35	45	55	65	35	45	55	65	35	45
	M	5	6	7	8	10	11	12	13	15	16	17	18	20	21
	N	12	14	16	18	22	24	26	28	32	34	36	38	42	44
	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

※ 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	

① Please consult our staff for other types of motor .

① 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.



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

YBSC6 — 10 — 550 — BM — M — 57 — N — C — 4 — H



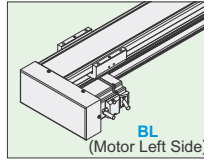
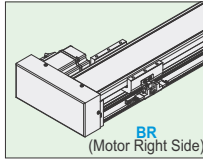
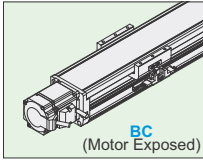
Discount price	Per 1~4	5~
Price 100%	Additional quotation	



① Quantity (1~4 Pcs)

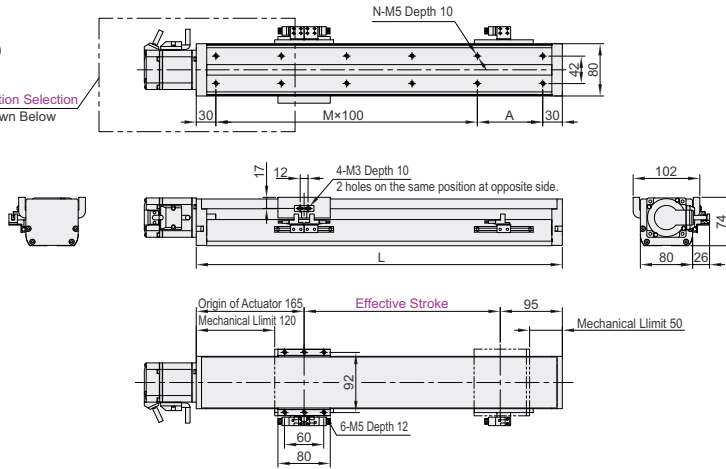
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC8B	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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



Motor Position :
BC(Motor Exposed)

Motor Position Selection
As Shown Below



Motor Position Selection

BR(Motor Right Side)				BL(Motor Left Side)			
64, 102, 74, 24, 174, 17, 12, 4-M3 Depth 10, 2 holes on the same position at opposite side, 6-M5 Depth 12, 80, 62, Mechanical Limit 104, Origin of Actuator 149.				64, 102, 74, 24, 174, 17, 12, 4-M3 Depth 10, 2 holes on the same position at opposite side, 6-M5 Depth 12, 80, 62, Mechanical Limit 104, Origin of Actuator 149.			

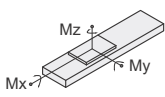
Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YBSC8B	5	100~800 Non-standard stroke can be customized	BC (Motor Exposed) BR (Motor Right Side) BL (Motor Left Side)	P (Panasonic) Y (Yaskawa) M (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)
	10							
	16							
	20							

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)	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	EE-SX674(NPN)							
	Out Side	—							
	In Side	—							

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	17 N.m		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 travel. Need 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.
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: $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$ (Mx, My, Mz are the actual moments in each direction)			

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															
BC (Motor Exposed)	L	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	
		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	
BR (Motor Right Side)	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	
	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	
BL (Motor Left Side)	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	
	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)	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	

① Please consult our staff for other types of motor .

① 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.



Part Number	Effective Stroke	Motor Position	Motor	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	Selection	Brand				
YBSC8B	5	BC(Motor Exposed) BR(Motor Right Side) BL(Motor Left Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	20(200W Servo) (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)
	10						

YBSC8B — 10 — 550 — BR — M — 57 — N — C — 4



Discount price	Per	1~4	5~
Price	100%	Additional quotation	

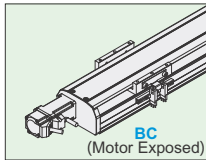


Delivery	15
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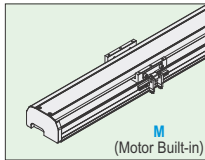
① Quantity (1~4 Pcs)

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°C 35~85%RH No Condensation

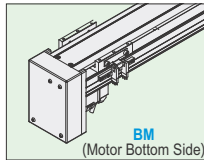
! This product does not include a motor, the motor must be purchased separately.



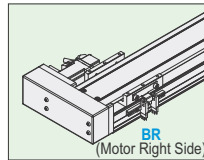
BC
(Motor Exposed)



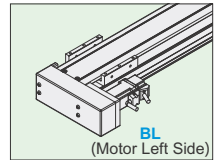
M
(Motor Built-in)



BM
(Motor Bottom Side)



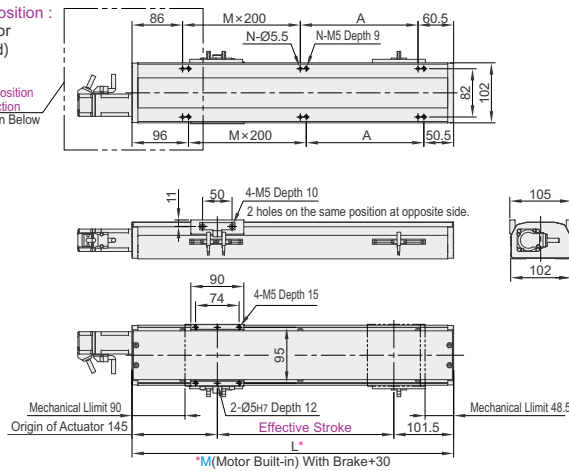
BR
(Motor Right Side)



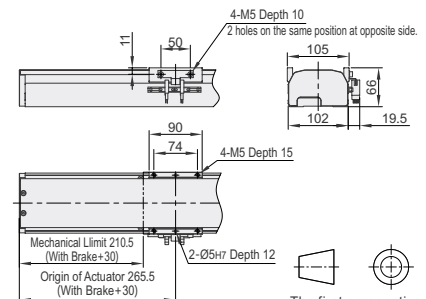
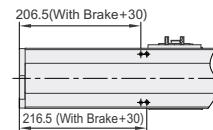
BL
(Motor Left Side)

Motor Position :
BC(Motor Exposed)

Motor Position Selection
As Shown Below



M(Motor Built-in)



The first perspective

! Motor Position Selection

BM (Motor Bottom Side)		BR (Motor Right Side)		BL (Motor Left Side)	
Technical drawing of the BM (Motor Bottom Side) configuration. Dimensions include: 71, 81, 105, 66, 19.5, 102, 80, 50, 4-M5 Depth 10 (2 holes on the same position at opposite side), 90, 74, 4-M5 Depth 15, Mechanical Limit 75, Origin of Actuator 130, 2-Ø5H7 Depth 12.		Technical drawing of the BR (Motor Right Side) configuration. Dimensions include: 71, 81, 105, 66, 19.5, 74.5, 102, 50, 4-M5 Depth 10 (2 holes on the same position at opposite side), 90, 74, 4-M5 Depth 15, Mechanical Limit 75, Origin of Actuator 130, 2-Ø5H7 Depth 12.		Technical drawing of the BL (Motor Left Side) configuration. Dimensions include: 71, 81, 105, 66, 19.5, 74.5, 102, 50, 4-M5 Depth 10 (2 holes on the same position at opposite side), 90, 74, 4-M5 Depth 15, Mechanical Limit 75, Origin of Actuator 130, 2-Ø5H7 Depth 12.	

Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YBSC10	5	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)
	10							
	16							
	20							

Single Axis Robots

Ball Screw Drive, General Environment

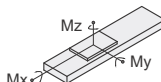
Specification

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		20x17.5 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	39 N.m
Myd	35 N.m
Mzd	35 N.m



The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.

Torque conditions:

$$M_x/M_{xd} + M_y/M_{yd} + M_z/M_{zd} \leq 1$$

(M_x , M_y , M_z 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 speed positioning accuracy in the table is a unidirectional value.
4. The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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 shock stroke slide table may not work reach too 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	850	900	950	1000
16	100W Servo	5	250													800	850	900	950	1000	1050
		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

Dimension Table		Stroke																				
Motor Position	Dimension	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	8	10	10	10	10	12	12	12	12	14	14	14
BC (Motor Exposed)	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	
	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	
BM (Motor Bottom Side)	N	4	6	6	6	6	8	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	
	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	
BR (Motor Right Side)	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	
	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	
BL (Motor Left Side)	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.

○ 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.

① 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

Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
BSC10	5	100 ~ 150	M (Motor Built-in) B (Motor Exposed)	P (Panasonic) Y (Yaskawa)	10 (100W Servo) 57 (57 Stepping)	N (Without Brake) B (With Brake)	Out Side (Motor Side)	3 (1 Pc)
	10		BM (Motor Bottom Side) M (Mitsubishi)	D (Opposite Motor Side)		4 (2 Pcs)		

YBSC10-10-550-BM-M-57-N-C-4



● Discount price

Per	1~4	5~
Price	100%	Additional quotation



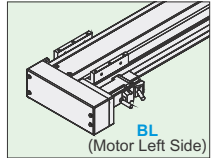
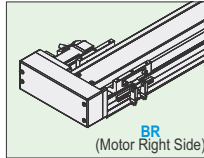
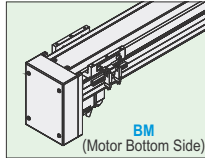
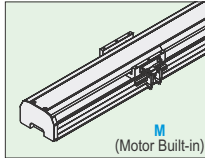
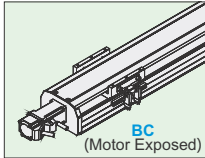
Delivery

15

Quantity (1~4 Pcs)

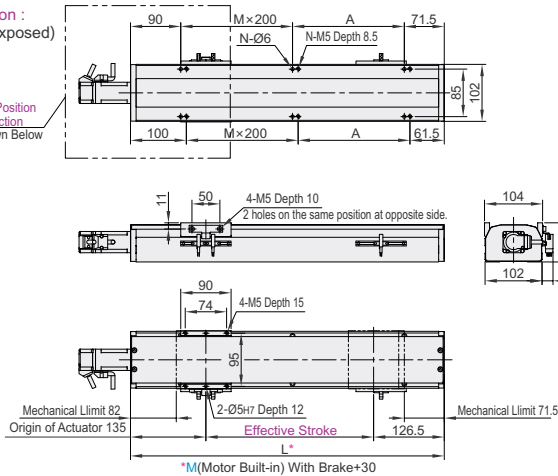
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC12	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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

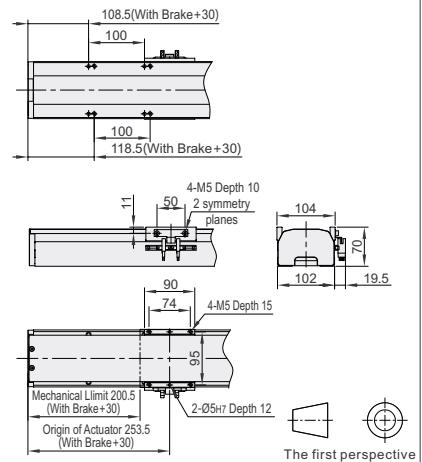


Motor Position :
BC (Motor Exposed)

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 (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YBSC12	5	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) ✕ (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)
	10							
	16							
	20							

Single Axis Robots

Ball Screw Drive, General Environment

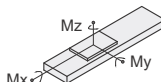
Specification

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		20x8 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	40 N.m
Myd	36 N.m
Mzd	36 N.m



The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.

Torque conditions:

$$M_x/M_{xd} + M_y/M_{yd} + M_z/M_{zd} \leq 1$$

(M_x , M_y , M_z 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 speed positioning accuracy in the table is a unidirectional value.
4. The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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 shock stroke slide table may not work reach too 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	850	900	950	1000
16	100W Servo	5	250													800	850	900	950	1000	1050
		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

Dimension Table		Stroke																			
Motor Position	Dimension	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	8	10	10	10	10	12	12	12	12	14	14
BC (Motor Exposed)	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
	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
BM (Motor Bottom Side)	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
	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
BR (Motor Right Side)	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
	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
BL (Motor Left Side)	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) With Brake(Vertical)	100W	MSMF012L1V2M MSMF012L1V2M	MADLN05SE
Mitsubishi	M	Without Brake(Horizontal) With Brake(Vertical)	100W	HG-KN13J-S100 HG-KN13BJ-S100	MR-JE-10A
Delta(B2)	T	Without Brake(Horizontal) With Brake(Vertical)	100W	ECMA-C20401GS ECMA-C20401FS	ASD-B2-0121-B

❗ Please consult our staff for other types of motor.

① 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 (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
BSC12	5	100 ~ 1050	M (Motor Built-in)	P (Panasonic)	10 (100W Servo) 57 (57 Stepping)	N (Without Brake) B (With Brake)	C (Motor Side) D (Opposite Motor Side)	3 (1 Pc) 4 (2 Pcs)
	10		BC (Motor Exposed) BM (Motor Bottom Side)	Y (Yaskawa) M (Mitsubishi)				

YBSC12-10-550-BM-M-57-N-C-4



● Discount price

Per	1~4	5~
Price	100%	Additional quotation



Delivery

15

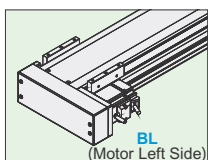
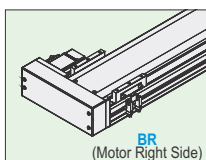
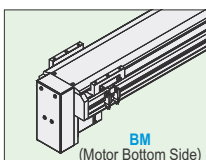
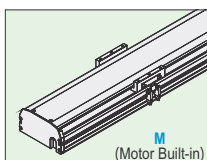
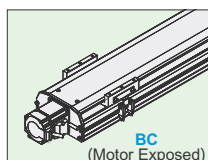
Quantity (1~4 Pcs)

◀ YBSC13 Series

Ball Screw Drive, General Environment

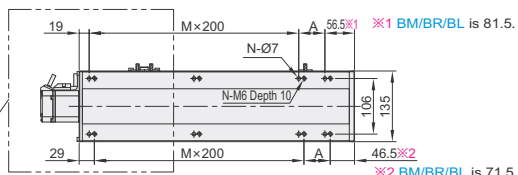
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC13	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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



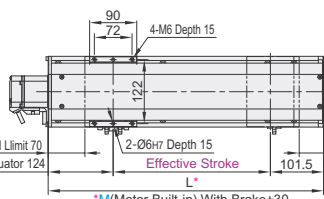
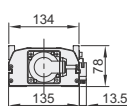
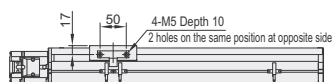
Motor Position :
BC(Motor Exposed)

Motor Position
Selection



※1 BM/BR/BL is 81.5.

✖2 BM/BR/BL is 71.5



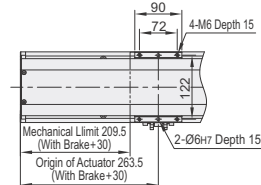
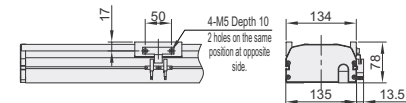
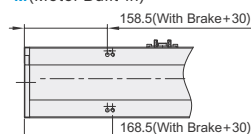
Mechanical Limit 70
Origin of Actuator 124

or 124 E

Mechanical Limit 46.5

*M/Meter Built in) With Brake+30

M(Motor Built-in)

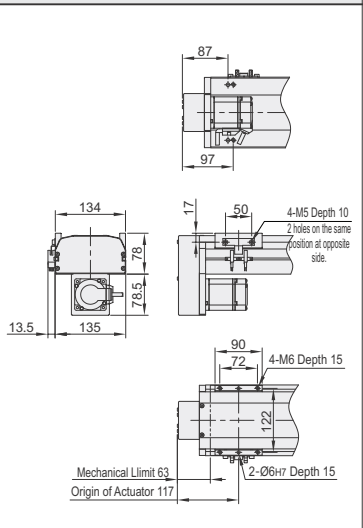
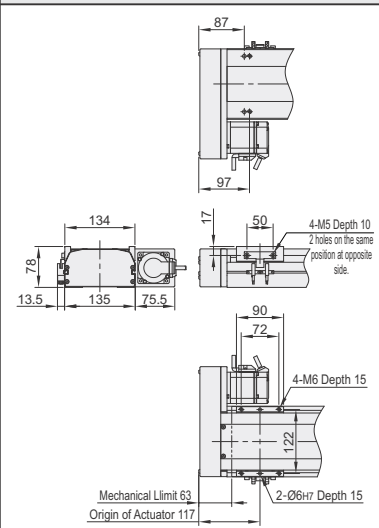
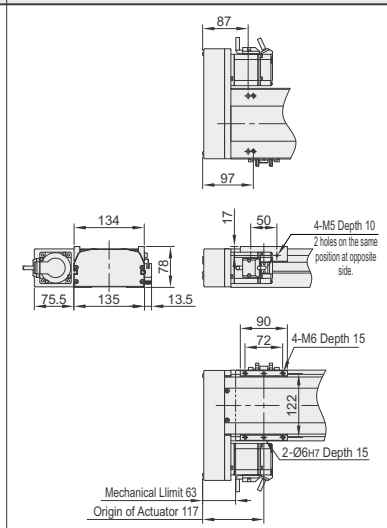


Mechanical Limit 209.5
(With Brake+30)
Origin of Actuator 20

tor 263.5

The first perspective

 Motor Position Selection

BM (Motor Bottom Side)	BR (Motor Right Side)	BL (Motor Left Side)
 Technical drawings of the BM (Motor Bottom Side) showing top, side, and front views with dimensions: - Top view: Overall width 134, mounting hole diameter 13.5, distance from edge to hole center 135, hole diameter 78.5, and distance from hole center to edge 78. - Side view: Overall height 87, mounting hole diameter 97, and distance from edge to hole center 17. - Front view: Overall width 134, mounting hole diameter 13.5, distance from edge to hole center 135, hole diameter 78.5, and distance from hole center to edge 78. - Bottom view: Overall width 134, mounting hole diameter 13.5, distance from edge to hole center 135, hole diameter 78.5, and distance from hole center to edge 78. - Internal view: 4-M5 Depth 10, 2 holes on the same position at opposite side. - Bottom view: 4-M6 Depth 15, 2-Ø6H7 Depth 15, Mechanical Limit 63, Origin of Actuator 117.	 Technical drawings of the BR (Motor Right Side) showing top, side, and front views with dimensions: - Top view: Overall width 134, mounting hole diameter 13.5, distance from edge to hole center 135, hole diameter 78.5, and distance from hole center to edge 78. - Side view: Overall height 87, mounting hole diameter 97, and distance from edge to hole center 17. - Front view: Overall width 134, mounting hole diameter 13.5, distance from edge to hole center 135, hole diameter 78.5, and distance from hole center to edge 78. - Bottom view: Overall width 134, mounting hole diameter 13.5, distance from edge to hole center 135, hole diameter 78.5, and distance from hole center to edge 78. - Internal view: 4-M5 Depth 10, 2 holes on the same position at opposite side. - Bottom view: 4-M6 Depth 15, 2-Ø6H7 Depth 15, Mechanical Limit 63, Origin of Actuator 117.	 Technical drawings of the BL (Motor Left Side) showing top, side, and front views with dimensions: - Top view: Overall width 134, mounting hole diameter 13.5, distance from edge to hole center 135, hole diameter 78.5, and distance from hole center to edge 78. - Side view: Overall height 87, mounting hole diameter 97, and distance from edge to hole center 17. - Front view: Overall width 134, mounting hole diameter 13.5, distance from edge to hole center 135, hole diameter 78.5, and distance from hole center to edge 78. - Bottom view: Overall width 134, mounting hole diameter 13.5, distance from edge to hole center 135, hole diameter 78.5, and distance from hole center to edge 78. - Internal view: 4-M5 Depth 10, 2 holes on the same position at opposite side. - Bottom view: 4-M6 Depth 15, 2-Ø6H7 Depth 15, Mechanical Limit 63, Origin of Actuator 117.

Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YBSC13	5	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)
	10							
	16							
	20							

Single Axis Robots

Ball Screw Drive, General Environment

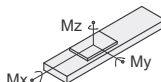
Specification

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		15x12.5 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

M _{xd}	62 N.m
M _{yd}	40 N.m
M _{zd}	40 N.m



The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.

Torque conditions:

$$M_x/M_{xd} + M_y/M_{yd} + M_z/M_{zd} \leq 1$$

(M_x , M_y , M_z 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 speed positioning accuracy in the table is a unidirectional value.
4. The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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 shock stroke slide table may not work reach too 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	850	900	950
16	200W Servo	5	250												800	850	900	950	1000	1050
		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

Dimension Table		Stroke																				
Motor Position	Dimension	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	8	10	10	10	10	12	12	12	12	14	14	14	14
BC (Motor Exposed)	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	
	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	
BM (Motor Bottom Side)	N	6	6	6	6	8	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	
	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	
BR (Motor Right Side)	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	
	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	
BL (Motor Left Side)	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.

🔴 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	M5MF012L1U2M	MADLN05SE
		With Brake(Vertical)		M5MF012L1V2M	
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.

① 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 (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
BSC	5	100 ~ 1050	M (Motor Built-in) C (Motor Exposed) BM (Motor Bottom 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)	3 (1 Pc) 4 (2 Pcs)
	10							

YBSC13-10-550-BM-M-57-N-C-4



● Discount price

Per	1~4	5~
Price	100%	Additional quotation



Delivery

15

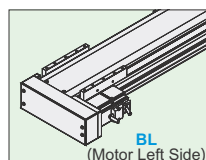
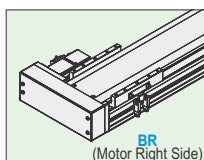
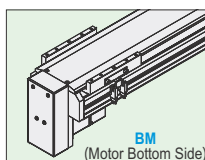
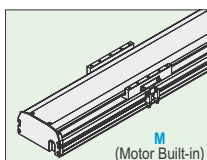
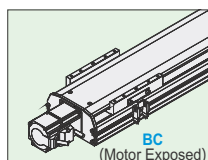
Quantity (1~4 Pcs)

◀ YBSC14 Series

Ball Screw Drive, General Environment

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°C 35~85%RH No Condensation

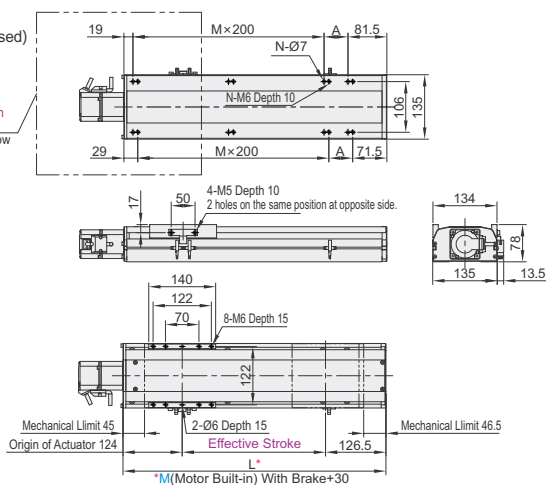
 This product does not include a motor, the motor must be purchased separately.



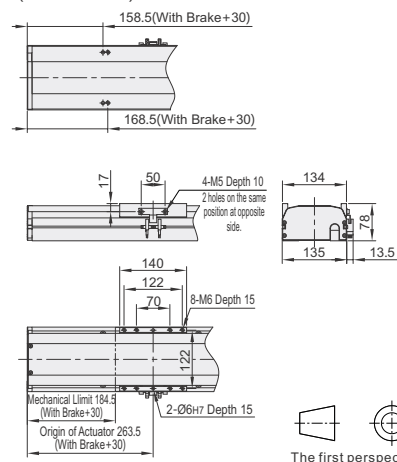
Motor Position :
BC(Motor Exposed)

Motor Position
Selection

As Shown Below

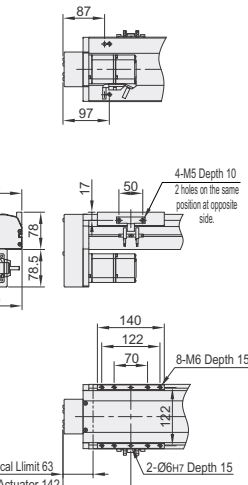
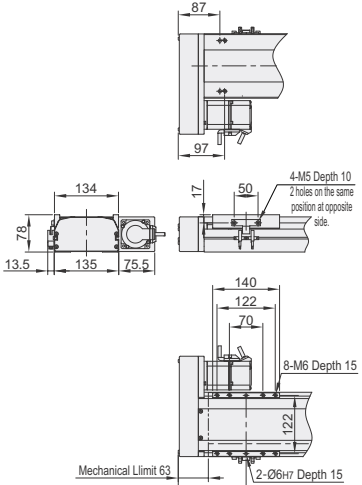
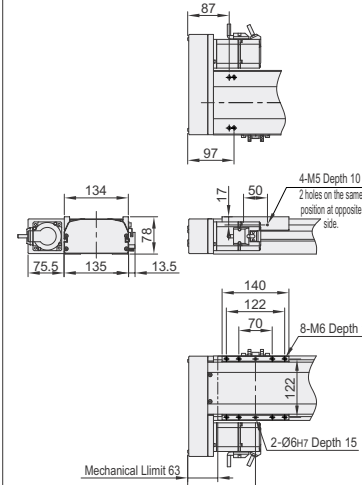


M(Motor Built-in)



The first perspective

 Motor Position Selection

BM (Motor Bottom Side)	BR (Motor Right Side)	BL (Motor Left Side)
 Top view dimensions: 87, 97, 134, 78.5, 78, 13.5, 135. Side view dimensions: 17, 50, 4-M5 Depth 10, 2 holes on the same position at opposite side. Front view dimensions: 140, 122, 70, 8-M6 Depth 15, 122, 2-Ø6H7 Depth 15. Mechanical Limit 63 Origin of Actuator 142	 Top view dimensions: 87, 97, 134, 78, 13.5, 135, 75.5. Side view dimensions: 17, 50, 4-M5 Depth 10, 2 holes on the same position at opposite side. Front view dimensions: 140, 122, 70, 8-M6 Depth 15, 122, 2-Ø6H7 Depth 15. Mechanical Limit 63 Origin of Actuator 142	 Top view dimensions: 87, 97, 134, 78, 13.5, 135, 75.5. Side view dimensions: 17, 50, 4-M5 Depth 10, 2 holes on the same position at opposite side. Front view dimensions: 140, 122, 70, 8-M6 Depth 15, 122, 2-Ø6H7 Depth 15. Mechanical Limit 63 Origin of Actuator 142

Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YBSC14	5	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) ① 57 Stepping Only applicable to Leadshine brand. ② 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)
	10							
	16							
	20							

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
	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	EE-SX672(NPN)							
	In Side	EE-SX674(NPN)							

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	124 N.m
Myd	99 N.m
Mzd	99 N.m

The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.

Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
 (Mx, My, Mz are the actual moments in each direction)

Explanation:

- The actual load shall meet the following conditions:
 - Meet the maximum load condition in the "Specification" table.
 - Satisfy the torque condition in the "allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
 - The data in the table is based on the rated life of 10000km.
 - The repeated positioning accuracy in the table is a unidirectional value.
 - The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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.
 - Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.
 - 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	850	900
16	200W Servo	5	250																
		10	500																
	400W Servo	16	800																
		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
M (Motor Built-in)	L	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290
	A	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
	M	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	5
	N	6	6	6	6	8	8	8	8	10	10	10	10	10	12	12	12	14
BC (Motor Exposed)	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
	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
	A	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
	M	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	5
BM (Motor Bottom Side)	N	6	6	6	6	8	8	8	8	10	10	10	10	10	12	12	12	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
	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
	A	200	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
BR (Motor Right Side)	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	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
	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
BL (Motor Left Side)	A	200	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
	M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5
	N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	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

※ 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	

① Please consult our staff for other types of motor.

② 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 (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YBSC14	5	100~1050	M(Motor Built-in) BC(Motor Exposed) BM(Motor Bottom Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	20(200W Servo) 40(400W 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)
	10							

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



Please order as shown



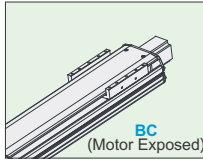
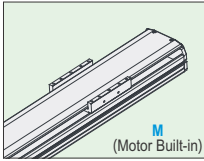
Discount price
Per 1~4 5~
Price 100% Additional quotation



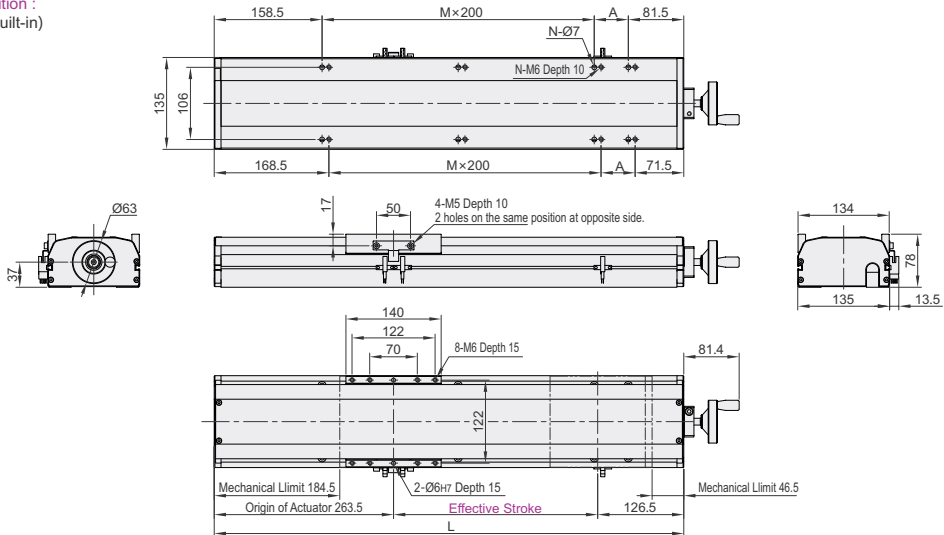
Quantity (1~4 Pcs)

Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YTSC14	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

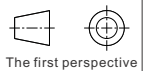
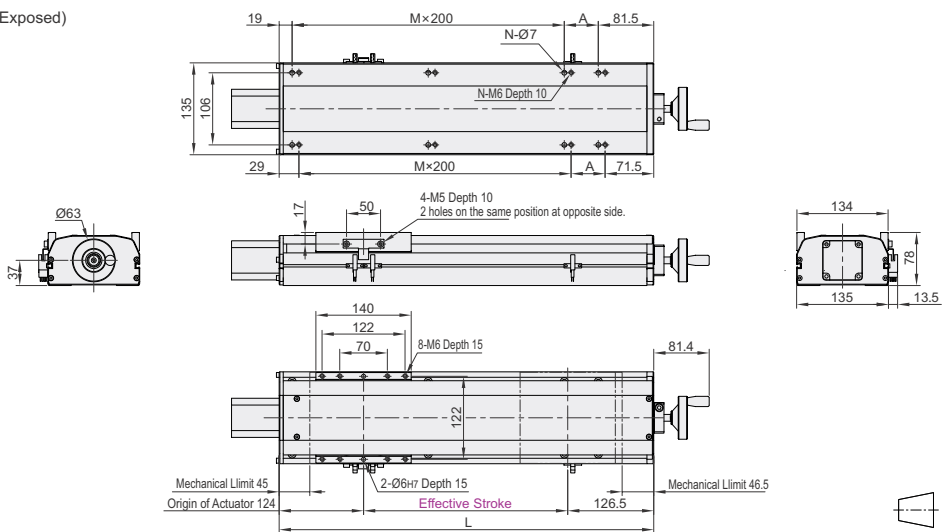
(i) This product does not include a motor, the motor must be purchased separately.



Motor Position :
M(Motor Built-in)



BC(Motor Exposed)



The first perspective

Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Screw Lead							
YTSC14	4 Lead Screw Drive	100~1050 Non-standard stroke can be customized	M (Motor Built-in) BC (Motor Exposed) (i) The ultra-short manual sliding table that does not reserve motor installation space can be customized.	L (Leadshine)	57 (57 Stepping)	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)

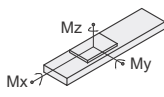
Specification

Recommended Motor Output		57 Stepping
Spec	Positioning Repeatability	±0.01
	Screw Lead	4
	Maximum Payload(kg)	Horizontal Vertical
		32 20
	Rated Thrust (N)	680
Parts	Lead Screw Outer Diameter	20
	Linear Guide Rail	15x12.5 Two Branch, Double Slide Blocks
	Home Sensor	Out Side In Side
		EE-SX672(NPN) EE-SX674(NPN)

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	124 N.m
Myd	99 N.m
Mzd	99 N.m



The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.

Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
 (Mx, My, Mz are the actual moments in each direction)

Explanation :

- 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.
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.
- If the sliding table is used vertically, please choose the belt brake motor.

Maximum Speed

Screw Outer Diameter	Motor Output	Lead	Stroke																							
20	57 Stepping	4	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
			32																							

Dimension Table

Motor Position	Dimension	Stroke											
M (Motor Built-in)	L	100	150	200	250	300	350	400	450	500	550	600	650
	A	490	540	590	640	690	740	790	840	890	940	990	1040
	M	50	100	150	200	250	300	350	400	450	500	550	600
	N	1	1	1	1	2	2	2	2	3	3	3	3
	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
Motor Position	Dimension	Stroke											
M (Motor Built-in)	L	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
	A	1090	1140	1190	1240	1290	1340	1390	1440	1490	1540	1590	1640
	M	50	100	150	200	250	300	350	400	450	500	550	600
	N	4	4	4	4	5	5	5	5	6	6	6	6
	Weight (kg)※	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1
Motor Position	Dimension	Stroke											
BC (Motor Exposed)	L	100	150	200	250	300	350	400	450	500	550	600	650
	A	350.5	400.5	450.5	500.5	550.5	600.5	650.5	700.5	750.5	800.5	850.5	900.5
	M	50	100	150	200	250	300	350	400	450	500	550	600
	N	1	1	1	1	2	2	2	2	3	3	3	3
	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
Motor Position	Dimension	Stroke											
BC (Motor Exposed)	L	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
	A	950.5	1000.5	1050.5	1100.5	1150.5	1200.5	1250.5	1300.5	1350.5	1400.5	1450.5	1500.5
	M	50	100	150	200	250	300	350	400	450	500	550	600
	N	4	4	4	4	5	5	5	5	6	6	6	6
	Weight (kg)※	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1

※ 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	

① Please consult our staff for other types of motor .

② 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.

Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Screw Lead	(50 mm Increment)	Selection				
YTSC14	4	100~1250	M(Motor Built-in) BC(Motor Exposed)	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)

YTSC14-4-550-BC-L-57-N-C-4



Discount price

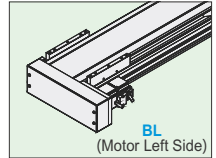
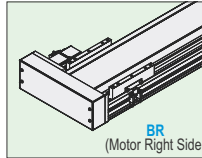
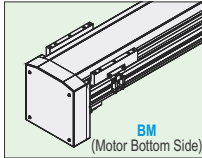
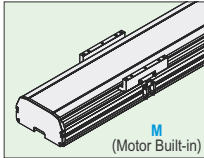
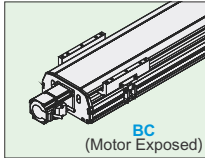
Per	1~4	5~
Price	100%	Additional quotation



① Quantity (1~4 Pcs)

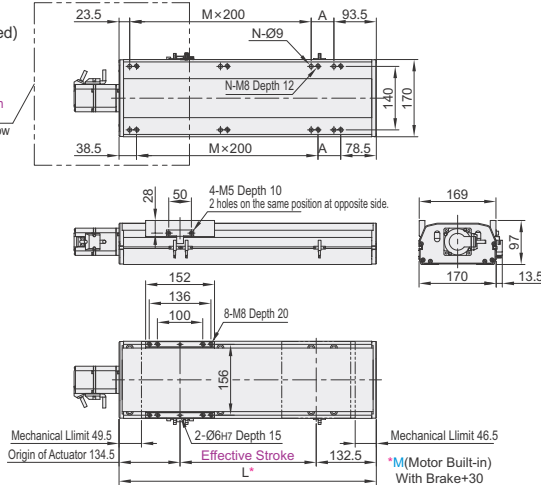
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC17	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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

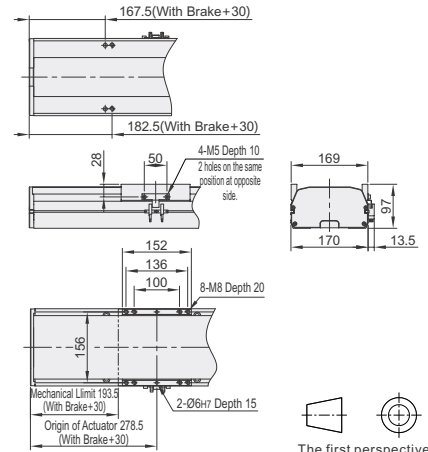


Motor Position :
BC(Motor Exposed)

Motor Position
Selection
As Shown Below



M(Motor Built-in)



The first perspective

(M) Motor Position Selection

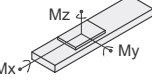
BM(Motor Bottom Side)	BR(Motor Right Side)	BL(Motor Left Side)
Mechanical Limit 66 Origin of Actuator 151	Mechanical Limit 66 Origin of Actuator 151	Mechanical Limit 66 Origin of Actuator 151

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
	Vertical	40	30	14	7	50	40	25	10
Parts	Rated Thrust (N)	1360	680	340	170	2550	1275	637	318
	Ball Screw Outer Diameter	20							
	Linear Guide Rail	20×15.5 Two Branch, Double Slide Blocks							
	Home Sensor	EE-SX672(NPN)							
		EE-SX674(NPN)							

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	428 N.m	
Myd	310 N.m	
Mzd	310 N.m	
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km. Torque conditions: $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$ (Mx, My, Mz are the actual moments in each direction)		
Explanation : - The actual load shall meet the following conditions: - Meet the maximum load condition in the "Specification" table. - Satisfy the torque condition in the "allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table. - The data in the table is based on the rated life of 10000km. - The repeated positioning accuracy in the table is a unidirectional value. - The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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. - Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not workreach top speed. - 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	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
BC (Motor Exposed)	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
	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
BM (Motor Bottom Side)	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
	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
BR (Motor Right Side)	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
	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
BL (Motor Left Side)	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.

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	

① Please consult our staff for other types of motor.

② 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.



Part Number		Effective Stroke	Motor Position	Motor	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Increment)	Selection	Brand				
YBSC17	5	100~1250	M(Motor Built-in) BC(Motor Exposed) BM(Motor Bottom Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	40(400W Servo) 75(750W Servo)	N(Without Brake) B(With Brake)	C(Motor Side) D(Opposite Motor Side)	Out Side 3(1 Pc) 4(2 Pcs)

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



Per Price	1~4	5~
Additional quotation	100%	

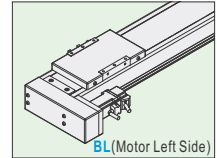
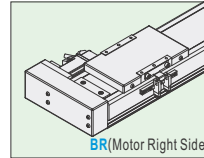
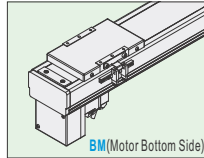
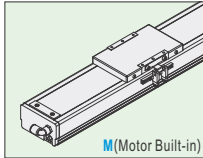
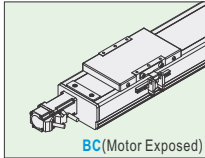


Quantity (1~4 Pcs)	15
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① Quantity (1~4 Pcs)

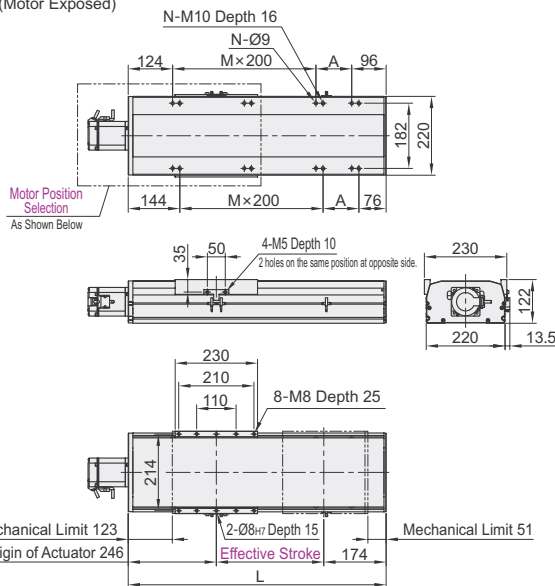
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YBSC22	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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

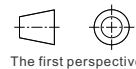
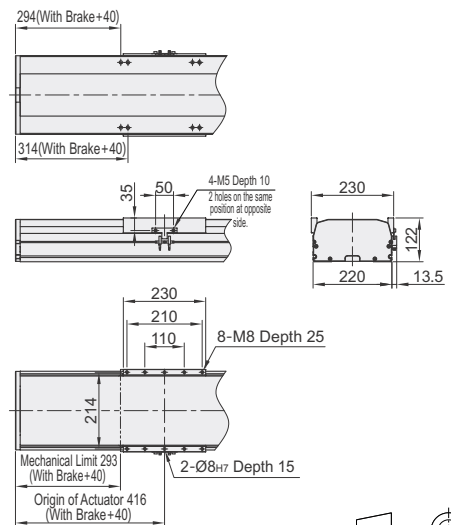


Motor Position :

BC(Motor Exposed)



M(Motor Built-in)



Motor Position Selection

BM(Motor Bottom Side)	BR(Motor Right Side)	BL(Motor Left Side)
86 106 230 220 13.5 96.5 122 35 50 4-M5 Depth 10 2 holes on the same position at opposite side. 210 110 8-M8 Depth 25 214 2-Ø8H7 Depth 15 Mechanical Limit 85 Origin of Actuator 208	86 106 230 220 13.5 97.5 122 35 50 4-M5 Depth 10 2 holes on the same position at opposite side. 210 110 8-M8 Depth 25 214 2-Ø8H7 Depth 15 Mechanical Limit 85 Origin of Actuator 208	86 106 230 220 13.5 97.5 122 35 50 4-M5 Depth 10 2 holes on the same position at opposite side. 210 110 8-M8 Depth 25 214 2-Ø8H7 Depth 15 Mechanical Limit 85 Origin of Actuator 208

YBSC22 Series

Ball Screw Drive, General Environment

Single Axis Robots

Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
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
	Max Speed(mm/s)		250	500	1250	2000
	Maximum Payload(kg)	Horizontal	150	150	120	60
		Vertical	55	45	20	10
	Rated Thrust(N)		2100	1050	420	262
	Effective Stroke(mm)		100~1500(50mm Pitch)			
Parts	Ball Screw O.D.(mm)		25		20	
	Linear Guide Rail		23x18 Two Branch, Double Slide Blocks			
	Home Sensor	Out Side	EE-SX672(NPN)			
		In Side	EE-SX674(NPN)			

Allowable Moment Table

Mxd	515N.m	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 travel. Need 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 work reach top speed. 6. If the sliding table is used vertically, please choose the belt brake motor.
Myd	372N.m	
Mzd	372N.m	

The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions: $M_x/M_y + M_z/M_y + M_z/M_z \leq 1$
(M_x , M_y , M_z are the actual moments in each direction)

① Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

Motor Position	Dimension	Stroke															
		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	
M (Motor Built-in)	L	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	
BC (Motor Exposed)	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	
	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	
BM (Motor Bottom Side)	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	
	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	
BR (Motor Right Side)	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	
BL (Motor Left Side)	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	

Motor Position	Dimension	Stroke															
		850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500		
M (Motor Built-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		
BC (Motor Exposed)	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		
	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		
BM (Motor Bottom Side)	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		
	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		
BR (Motor Right Side)	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		
BL (Motor Left Side)	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	

① Please consult our staff for other types of motor.

② 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.

Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YBSC22	5	100~1500	M (Motor Built-in) BC (Motor Exposed) BM (Motor Bottom Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi)	75(750W Servo)	N (Without Brake) B (With Brake)	Out Side C (Motor Side) D (Opposite Motor Side)	Out Side 3 (1 Pc) 4 (2 Pcs)
	10							



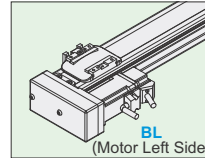
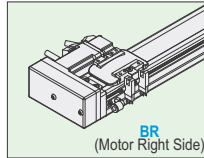
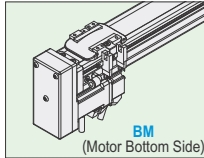
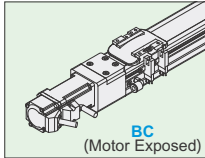
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	Price	100%	discount quotation



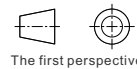
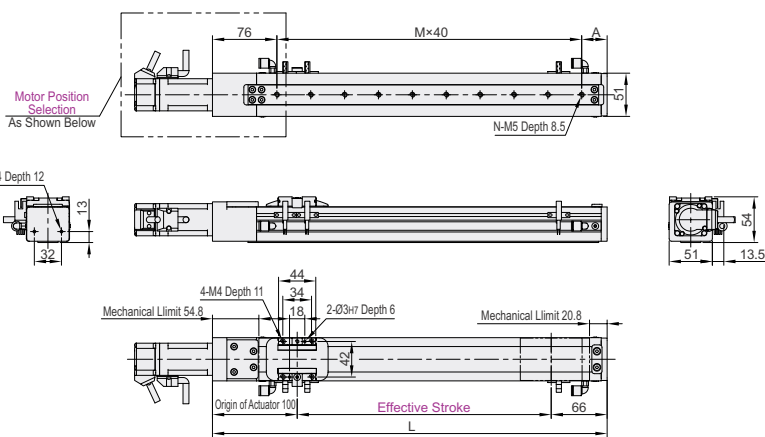
YBSC22-10-550-BM-M-75-N-C-4

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°C 35~85%RH No Condensation

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



Motor Position :
BC(Motor Exposed)



! Motor Mounting Direction

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

Part Number		Effective Stroke (50 mm Increment)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC5	5	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)
	10							

Specification

Recommended Motor Output		42 Stepping		100W Servo	
Spec	Positioning Repeatability	±0.01		±0.01	
	Ball Screw Lead	5	10	10	10
	Maximum Payload(kg)	Horizontal	10	5	10
	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	—		

① 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:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
(Mx, My, Mz are the actual moments in each direction)

Explanation:

- 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
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.
- If the sliding table is used vertically, please choose the belt brake motor.

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	5	41															
	Stepping	10	83															
	100W	5	250										225					
	Servo	10	500										450					

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	

① Please consult our staff for other types of motor.

② 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.

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	BC(Motor Exposed)	P(Panasonic)	10(100W Servo)	N(Without Brake)	C(Motor Side)	C(1 Pc)
	10	BM(Motor Bottom Side)	Y(Yaskawa)	42(42 Stepping)	B(With Brake)	D(Opposite Motor Side)	D(2 Pcs)

YCBSC5-10-550-BM-M-42-N-C-4



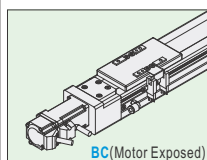
Discount price
Per 1~4 5~
Price 100% Additional quotation



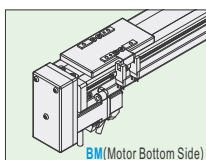
① Quantity (1~4 Pcs)

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

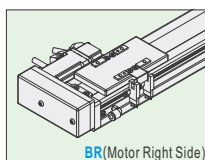
! This product does not include a motor, the motor must be purchased separately.



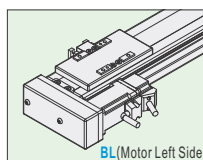
BC (Motor Exposed)



BM (Motor Bottom Side)



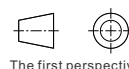
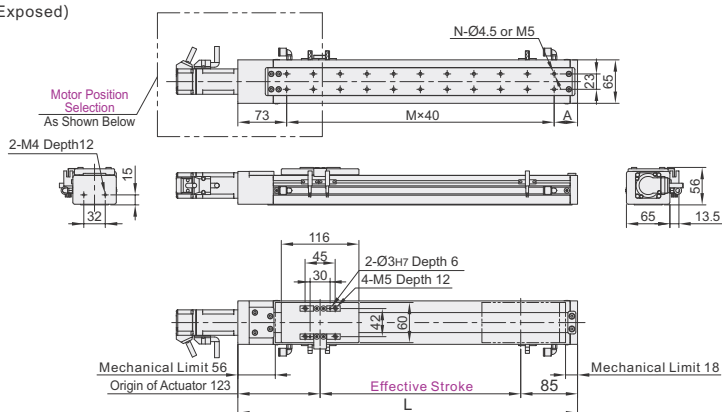
BR (Motor Right Side)



BL (Motor Left Side)

Motor Position :

BC (Motor Exposed)



The first perspective

! Motor Position Selection

BM (Motor Bottom Side)		BR (Motor Right Side)		BL (Motor Left Side)	
145 32 2-M4 Depth 12 15 56 13.5 65 116 45 30 2-Ø3H7 Depth 6 4-M5 Depth 12 Mechanical Limit 48 Origin of Actuator 115		65 2-M4 Depth 12 56 32 47 65 13.5 Origin of Actuator 115 Mechanical Limit 48 2-Ø3H7 Depth 6 4-M5 Depth 12 30 45 116		65 2-M4 Depth 12 56 32 47 65 13.5 Mechanical Limit 48 Origin of Actuator 115 116 45 30 2-Ø3H7 Depth 6 4-M5 Depth 12 42 60	

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

Single Axis Robots

YCBSC6 Series

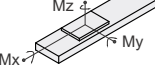
Ball Screw Drive, Clean Room Environment

Specification

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

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	17N.m		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.
Myd	7N.m		
Mzd	7N.m		
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km. Torque conditions: $Mx/Mxd+My/Myd+Mz/Mzd\leq 1$ (Mx, My, Mz are the actual moments in each direction)			

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

① Please consult our staff for other types of motor.

② The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models, without motors and drivers.



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

YCBSC6-10-550-BM-M-10-N-C-4-H



Per Price	1~4	5~
	100%	Additional quotation



① Quantity (1~4 Pcs)

Single Axis Robots

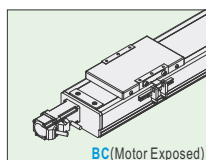
YCBSC10 Series

Ball Screw Drive, Clean Room Environment

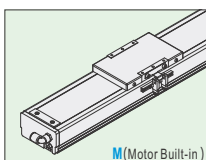


Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC10	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

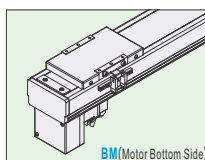
! This product does not contain a motor, the motor must be purchased separately.



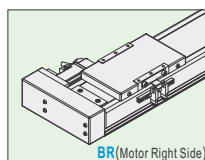
BC (Motor Exposed)



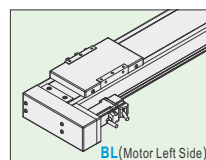
M (Motor Built-in)



BM (Motor Bottom Side)



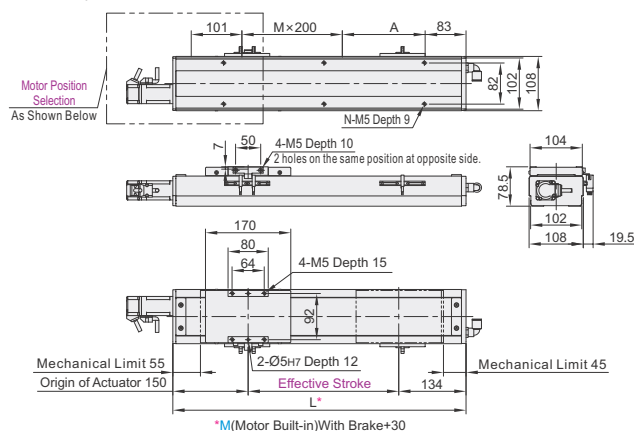
BR (Motor Right Side)



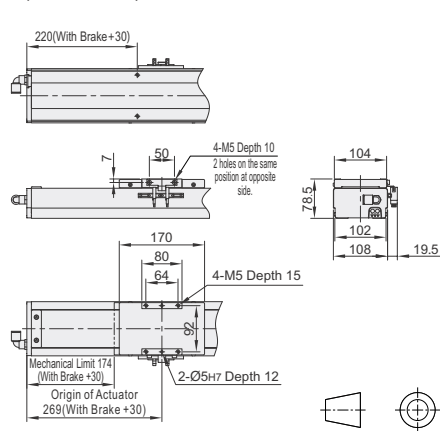
BL (Motor Left Side)

Motor Position :

BC (Motor Exposed)



M (Motor Built-in)



Motor Position Selection

BM (Motor Bottom Side)		BR (Motor Right Side)		BL (Motor Left Side)	
Dimensions: 85, 104, 78.5, 80, 102, 108, 19.5, 50, 4-M5 Depth 10, 2 holes on the same position at opposite side, 104, 78.5, 102, 108, 19.5, 170, 80, 64, 4-M5 Depth 15, 2-Ø5H7 Depth 12, Origin of Actuator 134, Mechanical Limit 39.		Dimensions: 118, 104, 78.5, 102, 108, 71.5, 19.5, 50, 4-M5 Depth 10, 2 holes on the same position at opposite side, 104, 78.5, 102, 108, 71.5, 19.5, 170, 80, 64, 4-M5 Depth 15, 2-Ø5H7 Depth 12, Mechanical Limit 72, Origin of Actuator 167.		Dimensions: 118, 104, 78.5, 102, 108, 71.5, 19.5, 50, 4-M5 Depth 10, 2 holes on the same position at opposite side, 104, 78.5, 102, 108, 71.5, 19.5, 170, 80, 64, 4-M5 Depth 15, 2-Ø5H7 Depth 12, Origin of Actuator 167, Mechanical Limit 72.	

Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC10	5	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) ① 57 Stepping Only applicable to Leadshine brand. ① 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)
	10							
	16							
	20							

Single Axis Robots

YCBSC10 Series

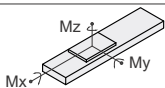
Ball Screw Drive, Clean Room Environment

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
		Vertical	12	8	5
	Rated Thrust (N)	340	170	106	85
Parts	Ball Screw Outer Diameter	16			
	Linear Guide Rail	20x17.5 Single Branch, Single Slide Block			
	Home Sensor	Out Side	EE-SX672(NPN)		
		In Side	EE-SX674(NPN)		

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	39N.m		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.
Myd	35N.m		
Mzd	35N.m		
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km. Torque conditions: $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$ (Mx, My, Mz are the actual moments in each direction)			

Maximum Speed

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

Dimension Table

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

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	100W	MSMF012L1U2M	MADLN05SE
		With Brake(Vertical)		MSMF012L1V2M	
		Without Brake(Horizontal)	200W	MSMF022L1U2M	MADLN15SE
		With Brake(Vertical)		MSMF022L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	100W	HG-KN13J-S100	MR-JE-10A
		With Brake(Vertical)		HG-KN13BJ-S100	
		Without Brake(Horizontal)	200W	HG-KN23J-S100	MR-JE-20A
		With Brake(Vertical)		HG-KN23BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	100W	ECMA-C20401GS	ASD-B2-0121-B
		With Brake(Vertical)		ECMA-C20401FS	
		Without Brake(Horizontal)	200W	ECMA-C20602RS	ASD-B2-0221-B
		With Brake(Vertical)		ECMA-C20602SS	

① Please consult our staff for other types of motor.

② The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models, without motors and drivers.

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

YCBSC10-10-550-BM-M-10-N-D-3



Please order as shown



Discount price
Per 1~4 5~
Price 100% Additional quotation



Delivery
17

① Quantity (1~4 Pcs)

Single Axis Robots

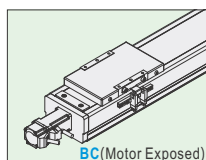
YCBSC12 Series

Ball Screw Drive, Clean Room Environment

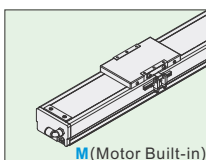


Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC12	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

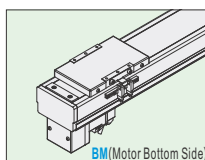
! This product does not contain a motor, the motor must be purchased separately.



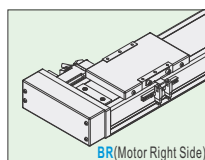
BC (Motor Exposed)



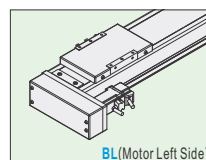
M (Motor Built-in)



BM (Motor Bottom Side)



BR (Motor Right Side)

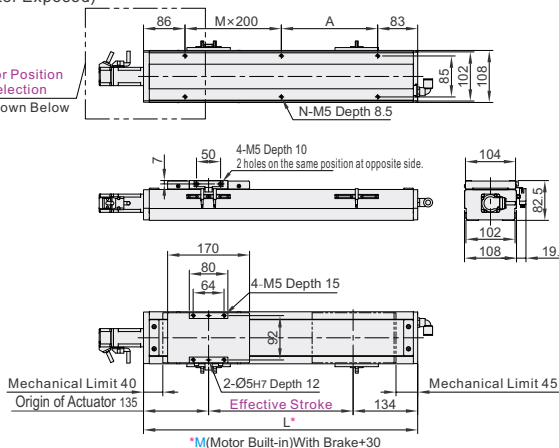


BL (Motor Left Side)

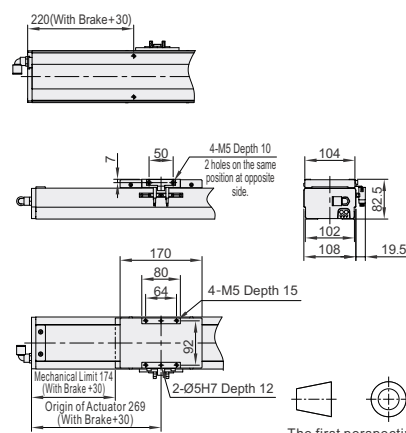
Motor Position:

BC (Motor Exposed)

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 (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC12	5	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)
	10							
	16							
	20							

Single Axis Robots

YCBSC12 Series

Ball Screw Drive, Clean Room Environment

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		20×18 Two Branch,Double Slide Blocks			
	Home Sensor	Out Side	EE-SX672(NPN)			
		In Side	EE-SX674(NPN)			

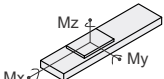
① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	40N.m
Myd	36N.m
Mzd	36N.m

Explanation :

- 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.
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.
- If the sliding table is used vertically, please choose the belt brake motor.



The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.

Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
 (Mx, My, Mz are the actual moments in each direction)

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

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

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	100W	MSMF012L1U2M	MADLN05SE
		With Brake(Horizontal)		MSMF012L1V2M	
		Without Brake(Horizontal)	200W	MSMF022L1U2M	MADLN15SE
		With Brake(Horizontal)		MSMF022L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	100W	HG-KN13J-S100	MR-JE-10A
		With Brake(Horizontal)		HG-KN13BJ-S100	
		Without Brake(Horizontal)	200W	HG-KN23J-S100	MR-JE-20A
		With Brake(Horizontal)		HG-KN23BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	100W	ECMA-C20401GS	ASD-B2-0121-B
		With Brake(Horizontal)		ECMA-C20401FS	
		Without Brake(Horizontal)	200W	ECMA-C20602RS	ASD-B2-0221-B
		With Brake(Horizontal)		ECMA-C20602SS	

① Please consult our staff for other types of motor.

② The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models, without motors and drivers.

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

YCBSC12-10-550-BM-M-10-N-C-4



Discount price	Per 1~4	5~
Price	100%	Additional quotation



Delivery	17
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① Quantity (1~4 Pcs)

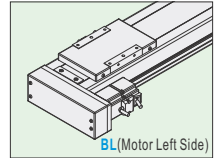
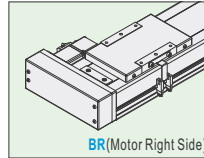
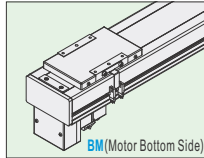
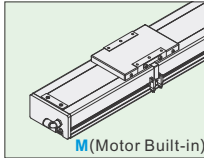
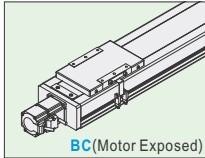
Single Axis Robots

YCBSC14 Series

Ball Screw Drive, Clean Room Environment

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

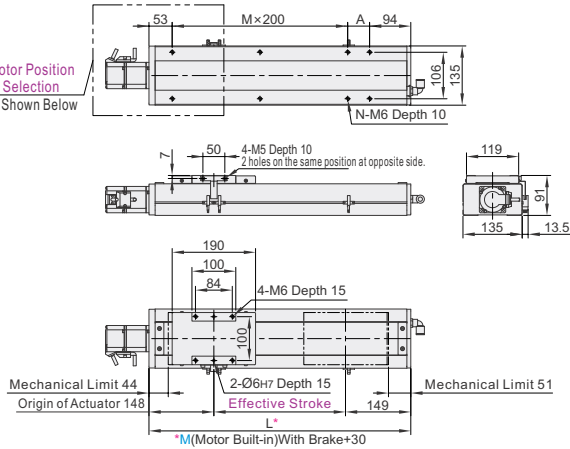
[i] This product does not contain a motor, the motor must be purchased separately.



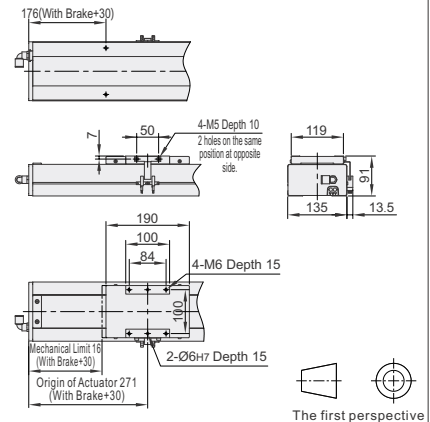
Motor Position:

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)	
Dimensions: 145, 100, M×200, 119, 135, 13.5, 7, 50, 4-M5 Depth 10 (2 holes on the same position at opposite side), 190, 100, 84, 4-M6 Depth 15, 2-Ø6H7 Depth 15, Mechanical Limit 36, Origin of Actuator 140.		Dimensions: 90, 119, 135, 13.5, 75.5, 7, 50, 4-M5 Depth 10 (2 holes on the same position at opposite side), 190, 100, 84, 4-M6 Depth 15, 2-Ø6H7 Depth 15, Mechanical Limit 81, Origin of Actuator 185.		Dimensions: 90, 119, 135, 13.5, 75.5, 7, 50, 4-M5 Depth 10 (2 holes on the same position at opposite side), 190, 100, 84, 4-M6 Depth 15, 2-Ø6H7 Depth 15, Mechanical Limit 81, Origin of Actuator 185.	

Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)	Selection				
YCBSC14	5	100~1050 Non-standard stroke can be customized	M (Motor Built-in)	P (Panasonic)	20 (200W Servo)	N (Without Brake) B (With Brake)	In Side
	10		BC (Motor Exposed)	40 (400W Servo)	40 (400W Servo)		A (Motor Side)
	16		BM (Motor Bottom Side)	57 (57 Stepping)	57 (57 Stepping)		B (Opposite Motor Side)
	20		BR (Motor Right Side)	57 (57 Stepping)	57 (57 Stepping)		C (Motor Side)
			BL (Motor Left Side)	Only applicable to Leadshine brand.	Only applicable to Leadshine brand.		D (Opposite Motor Side)
				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.			E (No Sensor)
							No Sensor
							5 (No Sensor)

Single Axis Robots

YCBSC14 Series Ball Screw Drive, Clean Room Environment

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
	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	EE-SX672(NPN) In Side EE-SX674(NPN)							

□ Please contact us for OMRON Brand or PNP Sensor.

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
16	200W 400W Servo	5	250																
		10	500																
		16	800																
		20	1000																

Dimension Table

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

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	100W	MSMF012L1U2M	MADLN05SE
		With Brake(Vertical)		MSMF012L1V2M	
		Without Brake(Horizontal)	200W	MSMF022L1U2M	MADLN15SE
		With Brake(Vertical)		MSMF022L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	100W	HG-KN13J-S100	MR-JE-10A
		With Brake(Vertical)		HG-KN13BJ-S100	
		Without Brake(Horizontal)	200W	HG-KN23J-S100	MR-JE-20A
		With Brake(Vertical)		HG-KN23BJ-S100	
Delta(B2)	T	Without Brake(Horizontal)	100W	ECMA-C20401GS	ASD-B2-0121-B
		With Brake(Vertical)		ECMA-C20401FS	
		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 models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models, without motors and drivers.

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

YCBSC14-10-550-BM-M-40-N-C-4



Please order as shown



Discount price
Per 1~4 5~
Price 100% Additional quotation



Quantity (1-4 Pcs)

Single Axis Robots

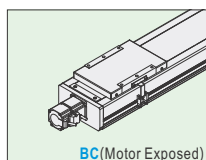
YCBSC17 Series

Ball Screw Drive, Clean Room Environment

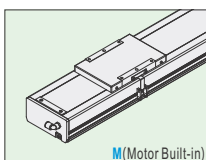


Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCBSC17	Aluminum Alloy	Anodize	Iron	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

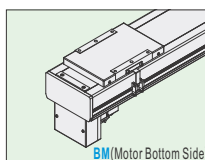
(I) This product does not contain a motor, the motor must be purchased separately.



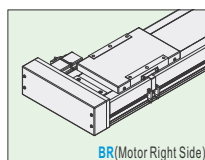
BC (Motor Exposed)



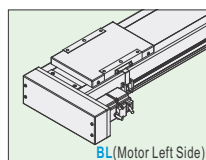
M (Motor Built-in)



BM (Motor Bottom Side)



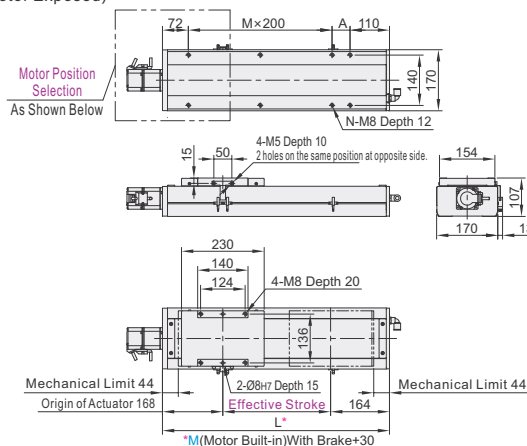
BR (Motor Right Side)



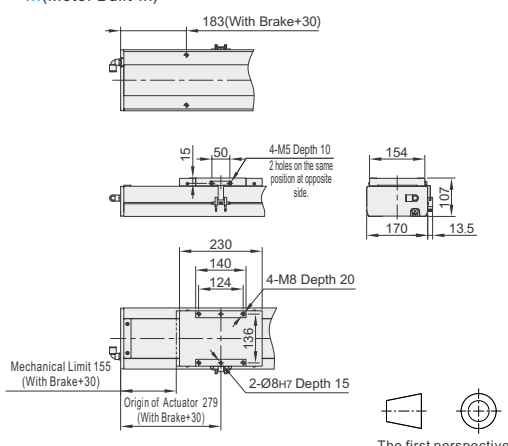
BL (Motor Left Side)

Motor Position :

BC (Motor Exposed)



M (Motor Built-in)



The first perspective

Motor Position Selection

BM (Motor Bottom Side)		BR (Motor Right Side)		BL (Motor Left Side)	
Dimensions: 128, 150, Mx200, 154, 107, 170, 13.5, 97.5, 230, 140, 124, 4-M8 Depth 20, 136, 2-Ø8H7 Depth 15, Mechanical Limit 50, Origin of Actuator 174		Dimensions: 117, 154, 107, 170, 13.5, 97.5, 230, 140, 124, 4-M8 Depth 20, 136, 2-Ø8H7 Depth 15, Mechanical Limit 89, Origin of Actuator 213		Dimensions: 117, 154, 107, 170, 13.5, 97.5, 230, 140, 124, 4-M8 Depth 20, 136, 2-Ø8H7 Depth 15, Mechanical Limit 89, Origin of Actuator 213	

Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCBSC17	5	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 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)
	10							
	20							
	40							

Single Axis Robots

YCBSC17 Series

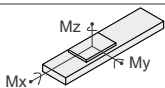
Ball Screw Drive, Clean Room Environment

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	428N.m		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 travel. Need 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 work reach top speed. 6. If the sliding table is used vertically, please choose the belt brake motor.
Myd	310N.m		
Mzd	310N.m		
The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km. Torque conditions: $Mx/Mxd+My/Myd+Mz/Mzd\leq 1$ (Mx, My, Mz are the actual moments in each direction)			

Maximum Speed

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

Dimension Table

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

※ Not include motor weight.

List of servo motor which should be matched

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

□ Please consult our staff for other types of motor .

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

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

YCBSC17—10—550—BM—M—75—N—C—4

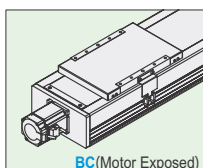
Discount price	Per 1~4	5~
Price 100%	Additional quotation	

Delivery	17
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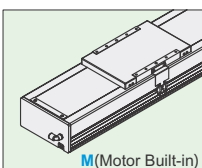
□ Quantity (1~4 Pcs)

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

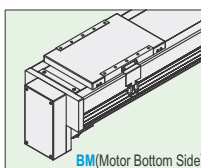
! This product does not contain a motor, the motor must be purchased separately.



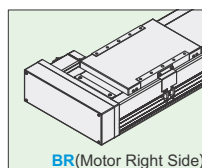
BC (Motor Exposed)



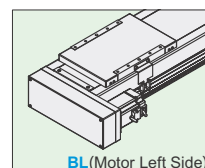
M (Motor Built-in)



BM (Motor Bottom Side)



BR (Motor Right Side)



BL (Motor Left Side)

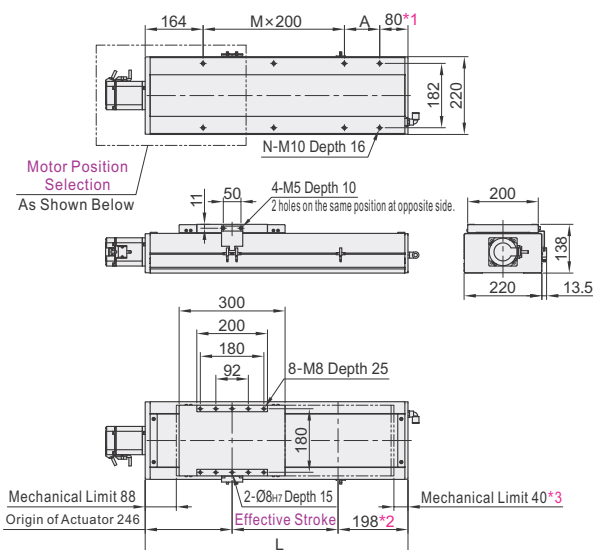
Motor Position :

BC (Motor Exposed)

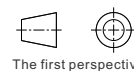
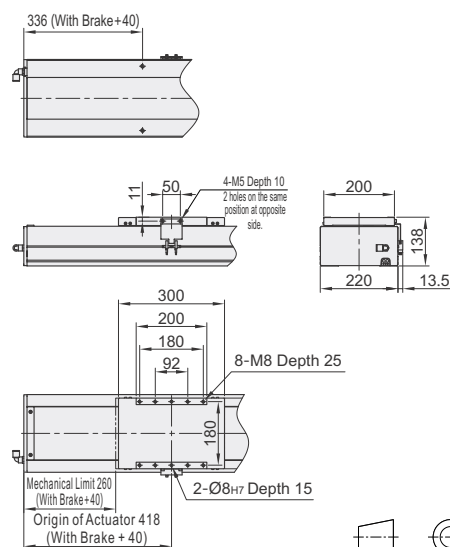
*1: The BM/BR/BL size is 109.

*2: The BM/BR/BL size is 227.

*3: The BM/BR/BL size is 70.



M (Motor Built-in)



The first perspective

! Motor Position Selection

BM (Motor Bottom Side)	BR (Motor Right Side)	BL (Motor Left Side)
Dimensions: 190, 200, 138, 13.5, 96.5, 220, 300, 200, 180, 92, 8-M8 Depth 25, 180, Mechanical Limit 115, Origin of Actuator 272, 2-Ø8H7 Depth 15.	Dimensions: 190, 200, 138, 13.5, 97.5, 220, 300, 200, 180, 92, 8-M8 Depth 25, 180, Mechanical Limit 115, Origin of Actuator 272, 2-Ø8H7 Depth 15.	Dimensions: 190, 200, 138, 13.5, 97.5, 220, 300, 200, 180, 92, 8-M8 Depth 25, 180, Mechanical Limit 115, Origin of Actuator 272, 2-Ø8H7 Depth 15.

Single Axis Robots

YCBSC22 Series

Ball Screw Drive, Clean Room Environment

Part Number	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead						
YCBSC22	5	100~1050 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)	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)
	10						1(1 Pc) 2(2 Pcs) 3(1 Pc) 4(2 Pcs) No Sensor 5(No Sensor)
	25						
	40						

Specification

Recommended Motor Output		750W Servo			
Spec	Positioning Repeatability	±0.01			
	Ball Screw Lead	5	10	25	40
	Maximum Speed(mm/s)	250	500	1250	2000
	Maximum Payload(kg)	Horizontal	150	150	120
		Vertical	55	45	20
	Rated Thrust (N)	2100	1050	420	262
Parts	Effective Stroke(mm)	100~1500(50mm Pitch)			
	Ball Screw Outer Diameter	25			
	Linear Guide Rail	23x18 Two Branch, Double Slide Blocks			
	Home Sensor	Out Side	EE-SX672(NPN)		
		In Side	EE-SX674(NPN)		

① Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	515 N.m	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 travel. Need 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 work reach top speed. 6. If the sliding table is used vertically, please choose the belt brake motor.
Myd	372N.m	
Mzd	372N.m	

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

Dimension Table

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

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

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	750W	MSMF082L1U2M	MCDLN35SE
		With Brake(Vertical)		MSMF082L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	750W	HG-KN73J-S100	MR-JE-70A
		With Brake(Vertical)		HG-KN73B-S100	
Delta(B2)	T	Without Brake(Horizontal)	750W	ECMA-C20807RS	ASD-B2-0721-B
		With Brake(Vertical)		ECMA-C20807SS	

① Please consult our staff for other types of motor .

② The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models , without motors and drivers.

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

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

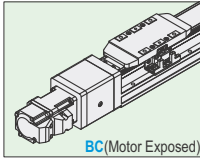


Discount price
Per 1~4 5~
Price 100% Additional quotation

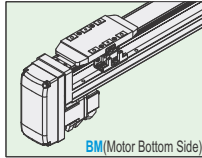
Delivery
17

Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCTH5	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	—	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

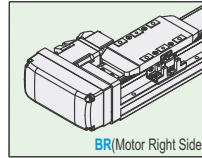
[!] This product does not include a motor, the motor must be purchased separately.



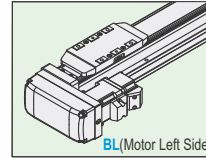
BC (Motor Exposed)



BM (Motor Bottom Side)



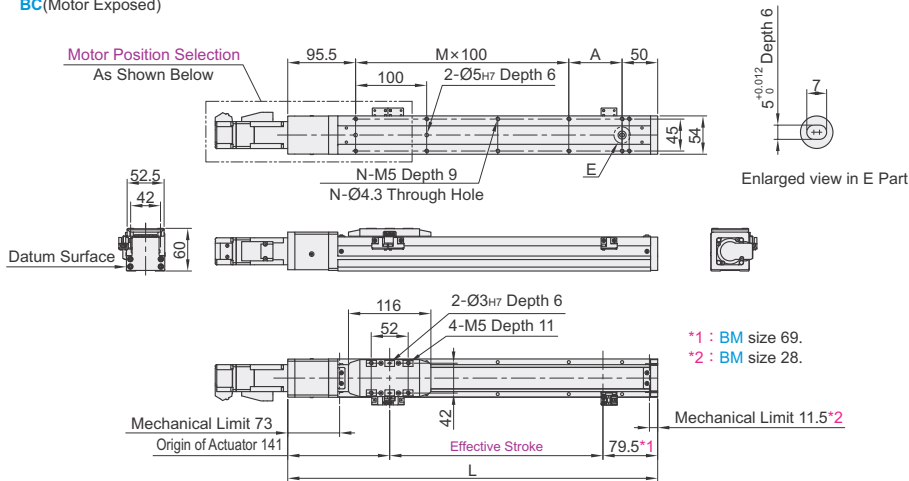
BR (Motor Right Side)



BL (Motor Left Side)

Motor Position :

BC (Motor Exposed)



[!] Motor Position Selection

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

Single Axis Robots

YCTH5 Series

Built-in Guide Series, General Environment

Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)	Selection				
YCTH5	5	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) If the sliding table is used vertically, please choose the belt brake motor.	Out Side C (Motor Side) D (Opposite Motor Side) No Sensor E (No Sensor)
	10						
							Out Side 3 (1 Pc) 4 (2 Pcs) No Sensor 5 (No Sensor)

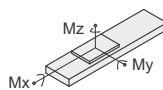
Specification

Recommended Motor Output		42 Stepping	100W Servo
Spec	Positioning Repeatability (mm)	±0.01	±0.01
	Ball Screw Lead (mm)	5 10 5 10	5 10
	Max Speed (mm/s)	250 500	250 500
	Maximum Payload (kg)	Horizontal 30 15 30 15 Vertical 10 5 10 5	
	Rated Thrust (N)	341 170	341 170
	Effective Stroke (mm)	50~800 (50mm Pitch)	
Parts	Ball Screw O.D. (mm)	12	
	Guide Type	Built-in	
	Home Sensor	Out Side EE-SX674 (NPN)	

Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	144N.m	Explanation - The actual load shall meet the following conditions: - Meet the maximum load condition in the "Specification" table. - Satisfy the torque condition in the "allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table. - The data in the table is based on the rated life of 10000km. - The repeated positioning accuracy in the table is a unidirectional value. - The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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. - Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed. - If the sliding table is used vertically, please choose the belt brake motor.
Myd	103N.m	
Mzd	103N.m	



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

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	270.5	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5
	A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	2.23	2.42	2.62	2.82	3.01	3.21	3.41	3.6	3.8	4	4.19	4.39	4.59	4.78	4.98	5.18
BM (Motor Bottom Side)	L	250.5	300.5	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
	A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
	N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
	Weight(kg)※	2.4	2.59	2.79	2.99	3.18	3.38	3.58	3.77	3.97	4.17	4.36	4.56	4.76	4.95	5.15	5.35
BR (Motor Right Side)	L	250.5	300.5	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
	A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	2.4	2.59	2.79	2.99	3.18	3.38	3.58	3.77	3.97	4.17	4.36	4.56	4.76	4.95	5.15	5.35
BL (Motor Left Side)	L	250.5	300.5	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
	A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	2.4	2.59	2.79	2.99	3.18	3.38	3.58	3.77	3.97	4.17	4.36	4.56	4.76	4.95	5.15	5.35

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake (Horizontal)	100W	MSMF012L1U2M	MADLN05SE
		With Brake (Vertical)		MSMF012L1V2M	
Mitsubishi	M	Without Brake (Horizontal)		HG-KN13J-S100	MR-JE-10A
		With Brake (Vertical)		HG-KN13B-S100	
Delta (B2)	T	Without Brake (Horizontal)		ECMA-C20401GS	ASD-B2-0121-B
		With Brake (Vertical)		ECMA-C20401FS	

Please consult our staff for other types of motor.

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

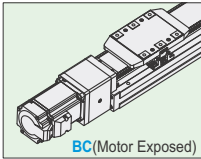
Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)	Selection				
YCTH5	5	50~800 Non-standard stroke can be customized	BC (Motor Exposed) BM (Motor Bottom Side) BR (Motor Right Side) BL (Motor Left Side)	P (Panasonic) Y (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) If the sliding table is used vertically, please choose the belt brake motor.	Out Side C (Motor Side) D (Opposite Motor Side) No Sensor E (No Sensor)
	10						
							Out Side 3 (1 Pc) 4 (2 Pcs) No Sensor 5 (No Sensor)

YCTH5—10—550—BM—M—10—N—C—4

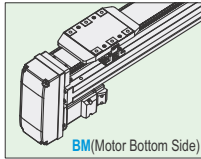


Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCTH8	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	—	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

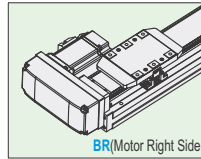
[!] This product does not include a motor, the motor must be purchased separately.



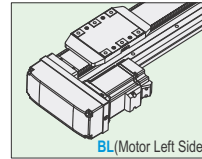
BC (Motor Exposed)



BM (Motor Bottom Side)



BR (Motor Right Side)

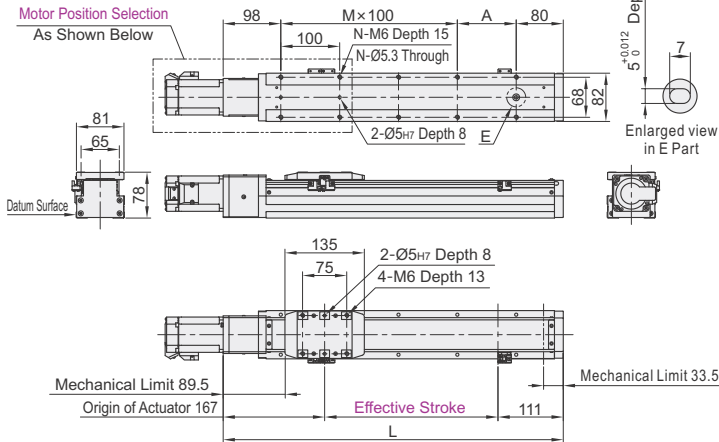


BL (Motor Left Side)

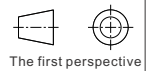
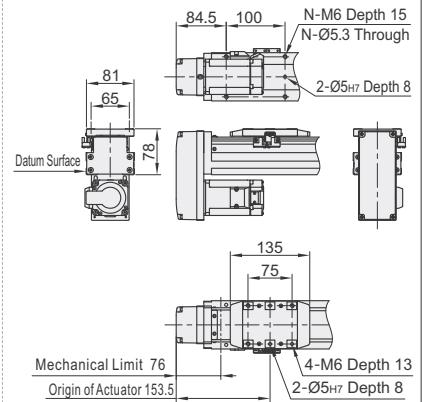
Motor Position :

BC (Motor Exposed)

Motor Position Selection
As Shown Below

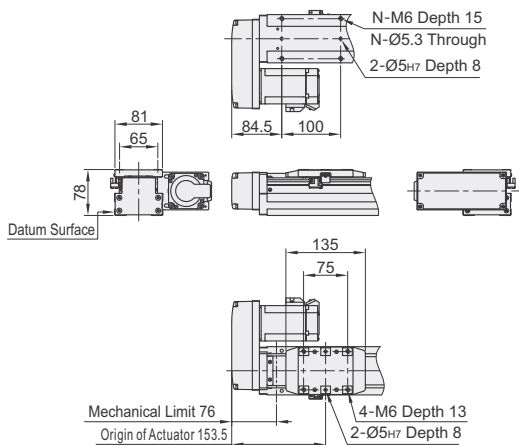


BM (Motor Bottom Side)

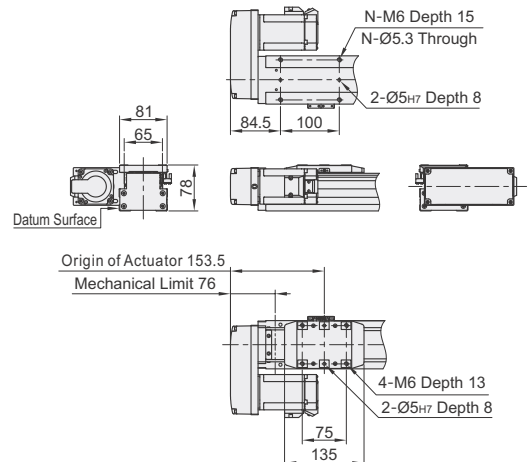


Motor Position Selection

BR (Motor Right Side)



BL (Motor Left Side)



Single Axis Robots

YCTH8 Series

Built-in Guide Series, General Environment

Part Number	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead						
YCTH8	5	50~1050 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)	20 (200W Servo) 57 (57 Stepping) 57 Stepping Only applicable to Leadshine brand.	N (Without Brake) B (With Brake) If the sliding table is used vertically, please choose the belt brake motor.	Out Side C (Motor Side) D (Opposite Motor Side) No Sensor E (No Sensor)
	10						
	20						

Specification

Recommended Motor Output		57 Stepping	200W Servo
Spec	Positioning Repeatability (mm)	±0.01	±0.01
	Ball Screw Lead (mm)	5 10 20	5 10 20
	Max Speed (mm/s)	250 500 1000	250 500 1000
	Maximum Horizontal	50 30 12	50 30 12
	Payload (kg) Vertical	15 8 2.5	15 8 2.5
	Rated Thrust (N)	683 341 174	683 341 174
Parts	Effective Stroke (mm)	50~1050 (50 mm Pitch)	
	Ball Screw O.D. (mm)	16	
	Couplings	10×14/11 (Note 1)	
	Guide Type	Built-in	
Home Sensor		Out Side EE-SX674 (NPN)	

① When the stroke is over 750mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.

② Note 1: Motor (200W) Shaft Diameter: Panasonic: 11mm; Other: 14mm.

③ Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	626N.m	Explanation - 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. - The data in the table is based on the rated life of 10000km. - The repeated positioning accuracy in the table is a unidirectional value. - The maximum speed of the lead screw drive slider is reached after a certain travel. Need 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. - Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed. - If the sliding table is used vertically, please choose the belt brake motor.
Myd	318N.m	
Mzd	318N.m	

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

Dimension Table

Motor Position	Dimension	Stroke																	
		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
BC (Motor Exposed)	L	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
	Weight(kg)※	5.18	5.54	5.91	6.27	6.64	7	7.37	7.73	8.1	8.46	8.83	9.19	9.56	9.92	10.29	10.65	11.02	11.38
BM (Motor Bottom Side)	L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	5.19	5.6	6.12	6.64	7.16	7.68	8.2	8.72	9.24	9.76	10.28	10.8	11.32	11.84	12.36	12.88	13.4	13.92
BR (Motor Right Side)	L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
	Weight(kg)※	5.19	5.6	6.12	6.64	7.16	7.68	8.2	8.72	9.24	9.76	10.28	10.8	11.32	11.84	12.36	12.88	13.4	13.92
BL (Motor Left Side)	L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
	Weight(kg)※	5.19	5.6	6.12	6.64	7.16	7.68	8.2	8.72	9.24	9.76	10.28	10.8	11.32	11.84	12.36	12.88	13.4	13.92

※ Not include motor weight.

List of servo motor which should be matched

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

① Please consult our staff for other types of motor.

② The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models, without motors and drivers.

Part Number	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead						
YCTH8	5	50~1050 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)	20 (200W Servo) 57 (57 Stepping) 57 Stepping Only applicable to Leadshine brand.	N (Without Brake) B (With Brake) If the sliding table is used vertically, please choose the belt brake motor.	Out Side C (Motor Side) D (Opposite Motor Side) No Sensor E (No Sensor)
	10						

YCTH8—10—550—BM—M—20—N—C—4



Please order as shown



Discount price

Per	1~4	5~
Price	100%	Additional quotation



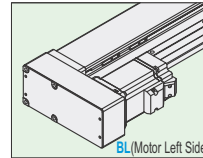
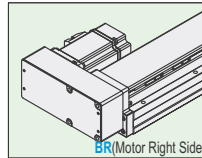
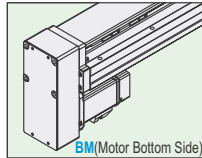
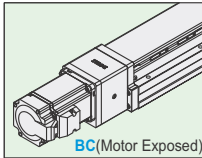
Delivery

13



Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCTY8	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	—	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

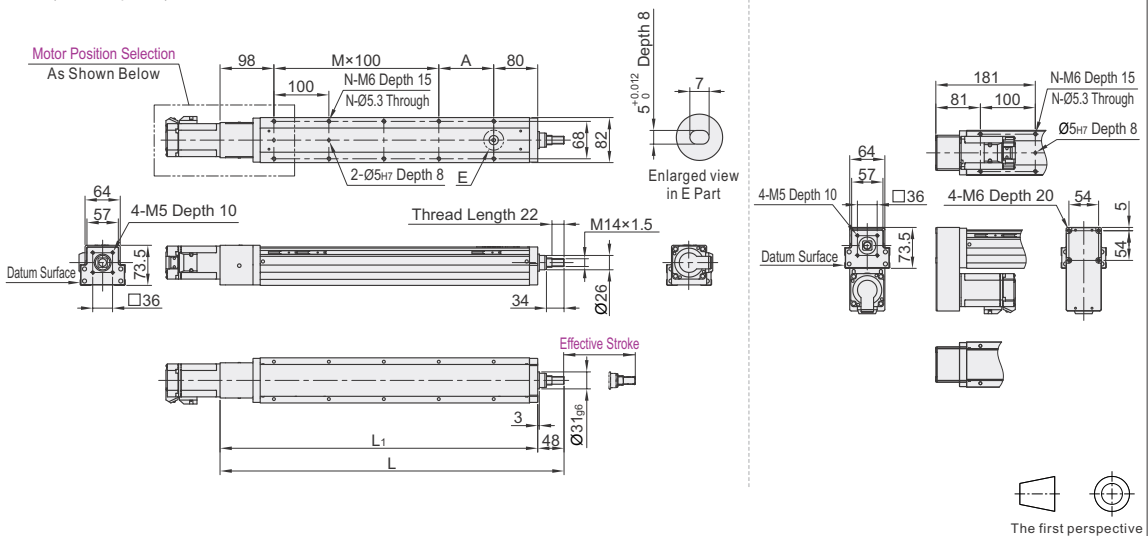
⚠ This product does not include a motor, the motor must be purchased separately.



Motor Position :

BC(Motor Exposed)

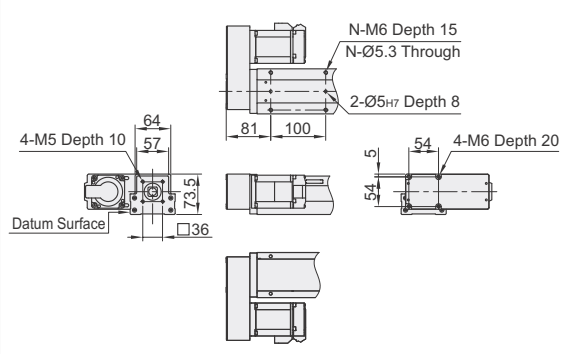
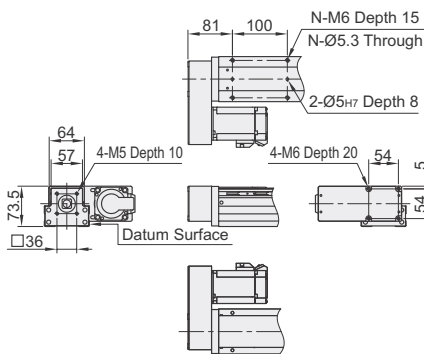
BM(Motor Bottom Side)



Motor Position Selection

BR(Motor Right Side)

BL(Motor Left Side)



Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCTY8	5	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)	20(200W Servo) 57(57 Stepping) ⚠ 57 Stepping Only applicable to Leadshine brand.	N(Without Brake) B(With Brake) ⚠ If the sliding table is used vertically, please choose the belt brake motor.	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)
	10							
	20							

Single Axis Robots

YCTY8 Series

Built-in Guide Series, General Environment

Specification

Recommended Motor Output			57 Stepping			200W Servo		
Spec	Positioning Repeatability(mm)		±0.01			±0.01		
	Ball Screw Lead(mm)		5	10	20	5	10	20
	Max Speed(mm/s)		250	500	1000	250	500	1000
	Maximum	Horizontal(Note 2)	50	30	12	50	30	12
	Payload(kg)	Vertical	15	8	2.5	15	8	2.5
	Rated Thrust(N)		683	341	174	683	341	174
	Effective Stroke(mm)		50~800(50mm Pitch)					
Parts	Ball Screw O.D.(mm)		16					
	Couplings		10×14/11(Note1)					
	Home Sensor	Out Side	EE-SX674(NPN)					

- ① When the stroke is over 750mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.
- ① Note 1: Motor (200W) Shaft Diameter: Panasonic: 11mm; Other: 14mm.
- ① Note 2: Under this load condition, auxiliary slide rails are required to withstand the radial load.
- ① Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

Motor Position	Dimension	Stroke															
BC (Motor Exposed)	L	376	426	476	526	576	626	676	726	776	826	876	926	976	1026	1076	1126
	L ₁	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	5.08	5.44	5.81	6.17	6.54	6.9	7.27	7.63	8	8.36	8.73	9.09	9.46	9.82	10.19	10.55
BM (Motor Bottom Side)	L	359	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109
	L ₁	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
	N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
	Weight(kg)※	5.82	6.17	6.53	6.88	7.24	7.59	7.95	8.3	8.66	9.01	9.37	9.72	10.08	10.43	10.79	11.14
BR (Motor Right Side)	L	359	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109
	L ₁	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	5.82	6.17	6.53	6.88	7.24	7.59	7.95	8.3	8.66	9.01	9.37	9.72	10.08	10.43	10.79	11.14
BL (Motor Left Side)	L	359	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109
	L ₁	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	5.82	6.17	6.53	6.88	7.24	7.59	7.95	8.3	8.66	9.01	9.37	9.72	10.08	10.43	10.79	11.14

※ Not include motor weight.

List of servo motor which should be matched

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

- ① Please consult our staff for other types of motor .
- ① The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models , without motors and drivers.

Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50mm Inc.)	Selection				
YCTY8	5	50~800	BC(Motor Exposed) BM(Motor Bottom Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	20(200W Servo) 57(57 Stepping)	N(Without Brake) B(With Brake)	C(Motor Side) D(OppoSite Motor Side)
	10						Out Side 3(1 Pc) ④(2 Pcs)

YCTY8 - 10 - 550 - BM - M - 20 - N - C - 4



Discount price	Per 1~4	5~
Price	100%	Additional quotation

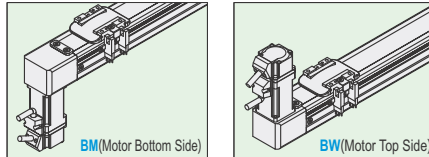


Single Axis Robots

YTB5 Series, Base Width 51 mm Timing Belt Series, General Environment

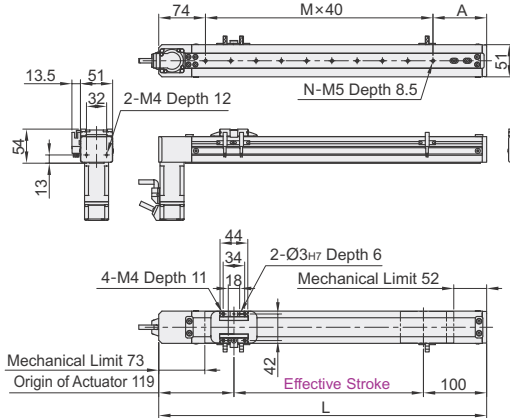
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YTB5	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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

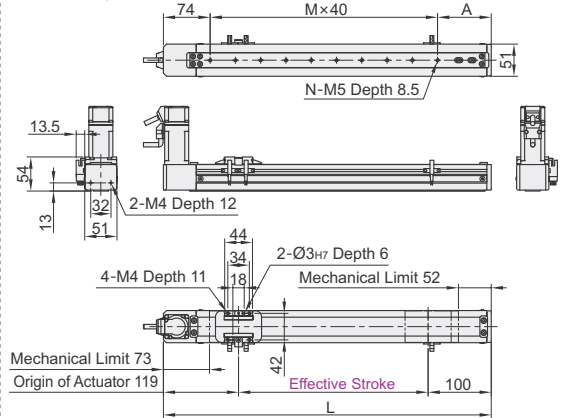


Motor Position :

BM (Motor Bottom Side)



BW (Motor Top Side)



The first perspective

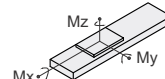
Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)	Selection			
YTB5	32	100 ~ 800 Non-standard stroke can be customized	BW (Motor Top Side) BM (Motor Bottom Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi) T (Delta) H (Inovance) L (Leadshine)	42 (42 Stepping) ⚠ 42 Stepping Only applicable to Leadshine brand.	Out Side C (Motor Side) D (Opposite Motor Side) No Sensor E (No Sensor)
	40				10 (100W Servo)	Out Side 3 (1 Pc) 4 (2 Pcs) No Sensor 5 (No Sensor)

Specification

Recommended Motor Output		42 Stepping	100W Servo
Spec	Positioning Repeatability (mm)	±0.04	±0.04
	Ball Screw Lead (mm)	32	40
	Max Speed (mm/s)	267	2000
	Maximum Payload (kg)	Horizontal 3 Vertical —	3
	Rated Thrust (N)	50	
Parts	Effective Stroke (mm)	100~800 (50mm Pitch)	
	Belt Width (mm)	9	
	Linear Guide Rail	24x8.5 Single Branch, Single Slide Block	
	Home Sensor	Out Side	EE-SX672 (NPN)
		In Side	—

Allowable Moment Table

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



The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.

Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
(Mx, My, Mz are the actual moments in each direction)

Explanation

- 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.
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.

⚠ Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

Motor Position		Stroke															
Dimension		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	
BW (Motor Top Side)	L	319	369	419	469	519	569	619	669	719	769	819	869	919	969	1019	
	A	85	95	65	75	85	95	65	75	85	95	65	75	85	95	65	
	M	4	5	7	8	9	10	12	13	14	15	17	18	19	20	22	
BM (Motor Bottom Side)	N	5	6	8	9	10	11	13	14	15	16	18	19	20	21	23	
	Weight(kg)※	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.

Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)	Selection			
YTB5	32	100 ~ 800	BW (Motor Top Side) BM (Motor Bottom Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi)	42 (42 Stepping)	Out Side C (Motor Side) D (Opposite Motor Side)
	40				10 (100W Servo)	Out Side 3 (1 Pc) 4 (2 Pcs)

YTB5—40—550—BM—M—10—C—4



Per Price	1~4	5~
	100%	Additional quotation



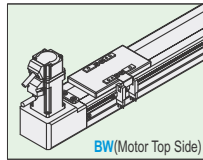
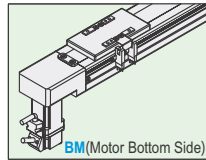
13

Single Axis Robots

YTB6 Series, Base Width 65 mm Timing Belt Series, General Environment

Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YTB6	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

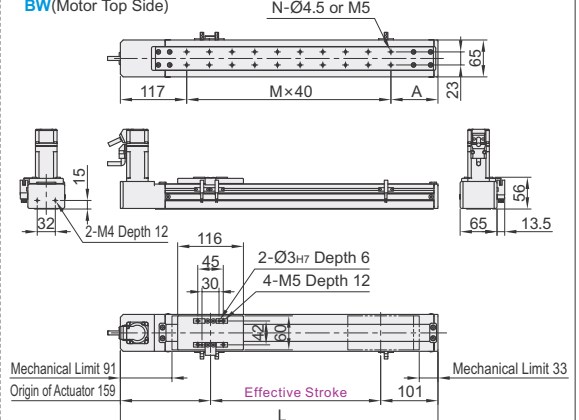
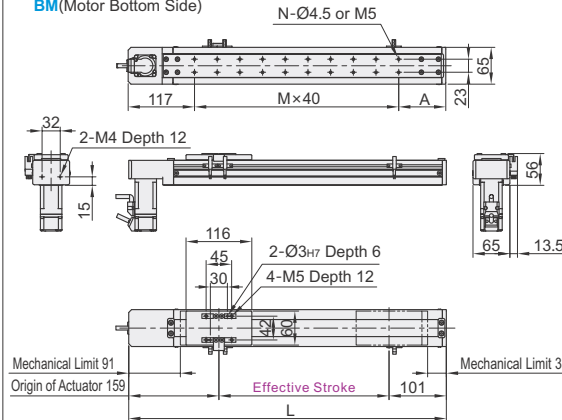
⚠ This product does not include a motor, the motor must be purchased separately.



Motor Position :

BM (Motor Bottom Side)

BW (Motor Top Side)



Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Home Sensor	Limit Sensor	Installation Method
Code	Ball Screw Lead	(50 mm Inc.)	Selection				
YTB6	40	100 ~ 800 Non-standard stroke can be customized	BW (Motor Top Side) BM (Motor Bottom 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.	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 (mm)	±0.04	±0.04
	Ball Screw Lead (mm)	40	40
	Max Speed (mm/s)	333	2000
	Maximum Payload (kg)	5	5
	Rated Thrust (N)	50	50
Parts	Effective Stroke (mm)	100~800 (50mm Pitch)	100~800 (50mm Pitch)
	Belt Width (mm)	12	12
	Linear Guide Rail	42x9.5 Single Branch, Single Slide Block	42x9.5 Single Branch, Single Slide Block
	Home Sensor	Out Side In Side	EE-SX672 (NPN)

Allowable Moment Table

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

The torque value in the table is the dynamic allowable torque based on the 10000km running life of the sliding table.

Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
(Mx, My, Mz are the actual moments in each direction)

Explanation

- 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.
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.

⚠ Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

Dimension Table		Stroke															
Motor Position	Dimension	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	
BW (Motor Top Side)	L	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	
	A	83	93	63	73	83	93	63	73	83	93	63	73	83	93	63	
	M	4	5	7	8	9	10	12	13	14	15	17	18	19	20	22	
	N	10	12	16	18	20	22	26	28	30	32	36	38	40	42	46	
Bottom Side	Weight(kg)※	2.5	2.67	2.84	3.01	3.18	3.35	3.52	3.69	3.86	4.03	4.2	4.37	4.54	4.71	4.88	

※ Not include motor weight.



Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Home Sensor	Limit Sensor	Installation Method
Code	Ball Screw Lead	(50 mm Inc.)	Selection				
YTB6	40	100 ~ 800	BW (Motor Top Side) BM (Motor Bottom Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi)	10 (100W Servo) 57 (57 Stepping)	Out Side C (Motor Side) D (Opposite Motor Side)	H (Install On Bottom) M (Install On Internal)

YTB6-40-550-BM-M-10-C-4-H

Discount price

Per	1~4	5~
Price	100%	Additional quotation

Delivery

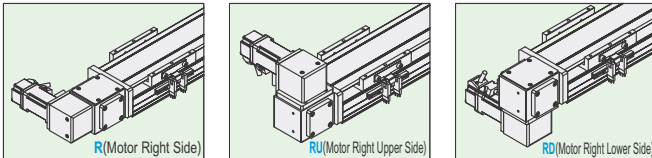
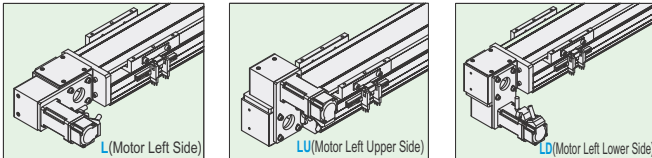
13

Single Axis Robots

YTB10 Series, Base Width 102 mm Timing Belt Series, General Environment

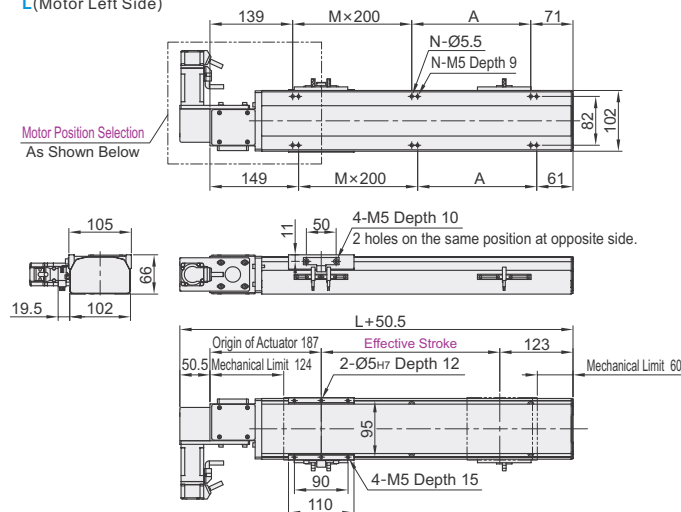
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YTB10	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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

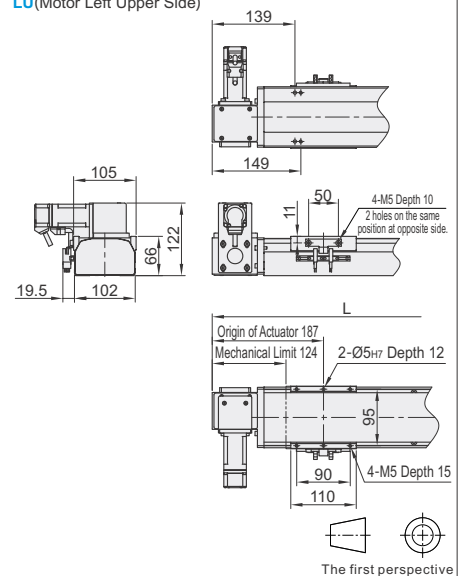


Motor Position :

L (Motor Left Side)

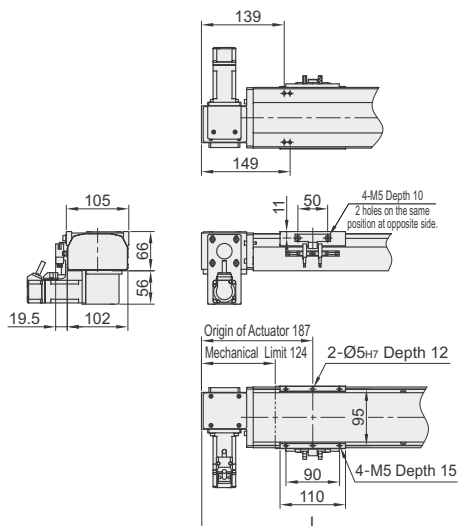


LU (Motor Left Upper Side)

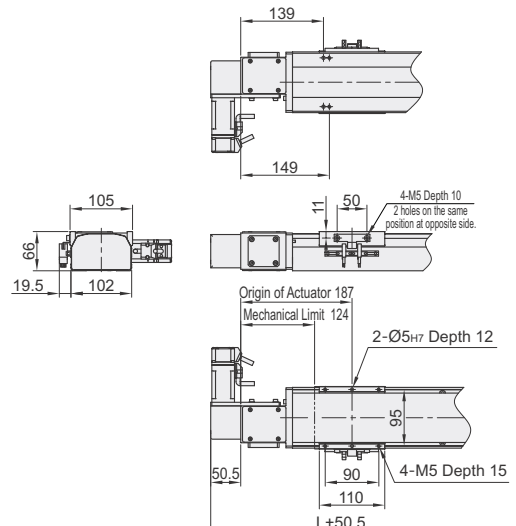


Motor Position Selection

LD (Motor Left Lower Side)



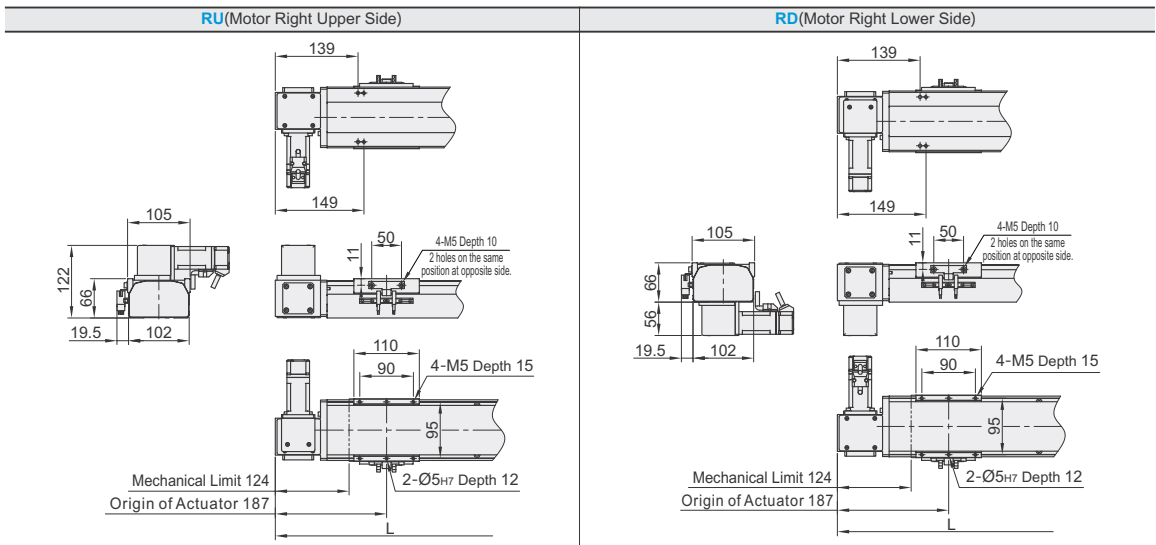
R (Motor Right Side)



Single Axis Robots

YTB10 Series, Base Width 102 mm Timing Belt Series, General Environment

Motor Position Selection



Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)	Selection			
YTB10	32	100 ~ 2550 Non-standard stroke can be customized	L (Motor Left Side) LU (Motor Left Upper Side) LD (Motor Left Lower Side) R (Motor Right Side) RU (Motor Right Upper Side) RD (Motor Right Lower 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. 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. Please consult our company for other output spec.	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	100W Servo
Positioning Repeatability (mm)	±0.04	±0.04
Ball Screw Lead (mm)	32	32
Max Speed (mm/s)	333	1600
Maximum Payload (kg)	Horizontal 10 Vertical —	10 —
Rated Thrust (N)	62	62
Effective Stroke (mm)	100 ~ 2550 (50mm Pitch)	
Belt Width (mm)	15	
Linear Guide Rail	20x17.5 Single Branch, Single Slide Block	
Home Sensor	Out Side In Side	EE-SX672 (NPN) —

Allowable Moment Table

Mxd	39N.m
Myd	35N.m
Mzd	35N.m

Explanation

- The actual load shall meet the following conditions:
 - Meet the maximum load condition in the "Specification" table.
 - Satisfy the torque condition in the "allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.

The torque value in the table is the dynamic allowable torque based on the 10000km running life of the sliding table.

Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
 (Mx, My, Mz are the actual moments in each direction)

① Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

Dimension	Stroke
L	100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200 1250 1300
A	410 460 510 560 610 660 710 760 810 860 910 960 1010 1060 1110 1160 1210 1260 1310 1360 1410 1460 1510 1560 1610
M	200 50 100 150 200 50 100 150 200 50 100 150 200 50 100 150 200 50 100 150 200 50 100 150 200
N	0 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6
Weight (kg)※	6.8 7.22 7.64 8.06 8.48 8.9 9.32 9.74 10.16 10.58 11 11.42 11.84 12.26 12.68 13.1 13.52 13.94 14.78 14.8 15.2 15.62 16.04 16.46 16.88

Dimension	Stroke
L	1350 1400 1450 1500 1550 1600 1650 1700 1750 1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550
A	1660 1710 1760 1810 1860 1910 1960 2010 2060 2110 2160 2210 2260 2310 2360 2410 2460 2510 2560 2610 2660 2710 2760 2810 2860
M	50 100 150 200 50 100 150 200 50 100 150 200 50 100 150 200 50 100 150 200 50 100 150 200
N	7 7 7 7 8 8 8 8 9 9 9 9 10 10 10 10 11 11 11 11 12 12 12 13
Weight (kg)※	17.3 17.72 18.14 18.56 18.98 19.4 19.82 20.24 20.66 21.08 21.5 21.92 22.34 22.76 23.18 23.6 24.02 24.44 24.86 25.28 25.7 26.12 26.54 26.96 27.38

※ Not include motor weight.



Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)	Selection			
YTB10	32	100 ~ 2550	L (Motor Left Side) LU (Motor Left Upper Side) LD (Motor Left Lower Side) R (Motor Right Side) RU (Motor Right Upper Side) RD (Motor Right Lower Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi) T (Delta) H (Inovance) L (Leadshine) 10 (100W Servo) 57 (57 Stepping)	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)

YTB10—32—550—LU—M—10—C—4



Discount price
Per 1~4 5~
Price 100% Additional quotation



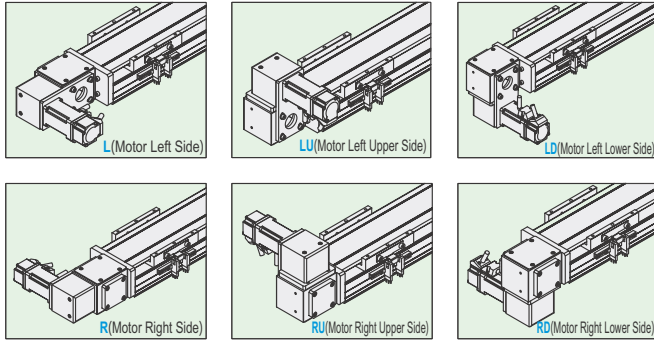
Delivery
17

Single Axis Robots

YTB14 Series, Base Width 135 mm Timing Belt Series, General Environment

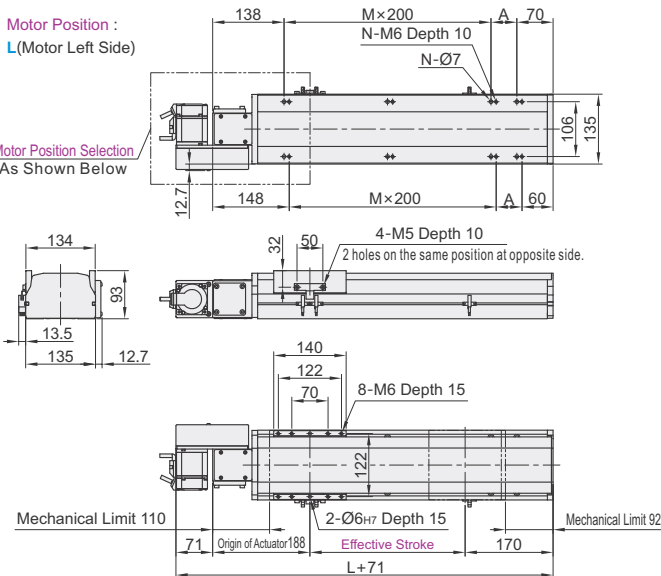
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YTB14	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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

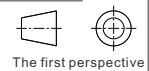
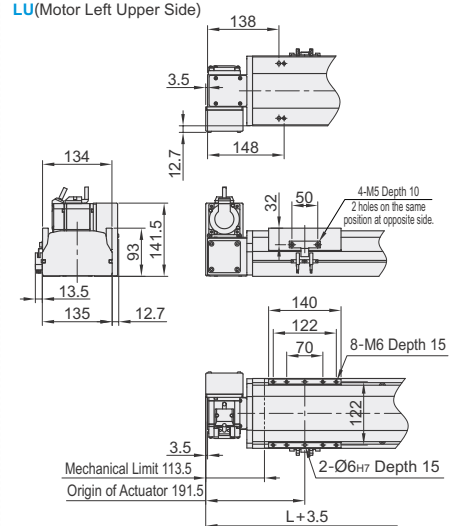


Motor Position :
L (Motor Left Side)

Motor Position Selection
As Shown Below

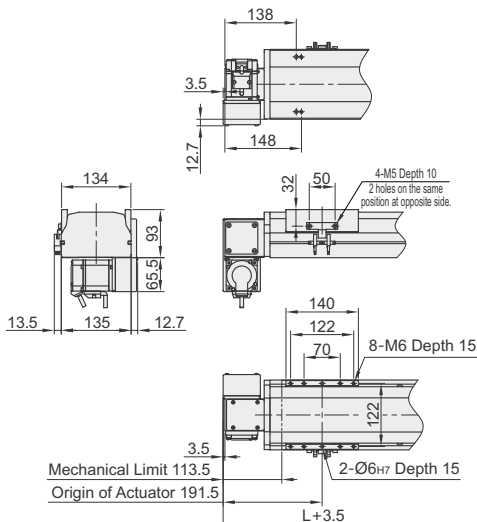


LU (Motor Left Upper Side)

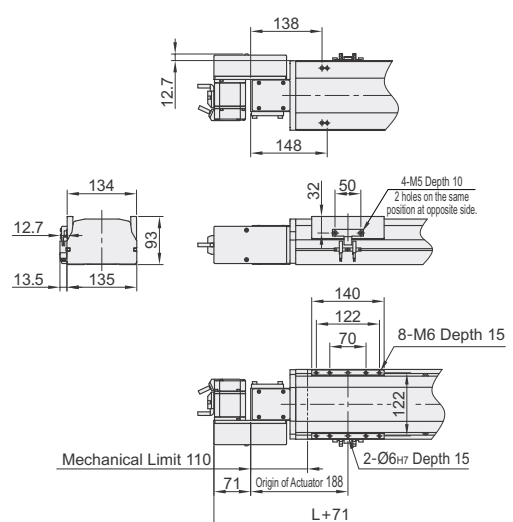


Motor Position Selection

LD (Motor Left Lower Side)



R (Motor Right Side)



Single Axis Robots

YTB14 Series, Base Width 135 mm Timing Belt Series, General Environment

Motor Position Selection

RU(Motor Right Upper Side)				RD(Motor Right Lower Side)			

Part Number Code	Ball Screw Lead	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
YTB14	40	100 ~ 3050 Non-standard stroke can be customized	L(Motor Left Side) LU(Motor Left Upper Side) LD(Motor Left Lower Side) R(Motor Right Side) RU(Motor Right Upper Side) RD(Motor Right Lower Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	20(200W Servo) 57(57 Stepping) 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. Please consult our company for other output spec.	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(mm)	±0.04	±0.04
	Ball Screw Lead(mm)	40	40
	Max Speed(mm/s)	333	2000
	Maximum Horizontal	25	25
	Vertical	—	—
Parts	Rated Thrust(N)	50	100
	Effective Stroke(mm)	100~3050(50mm Pitch)	—
	Belt Width (mm)	22	—
	Linear Guide Rail	15x12.5 Two Branch Double Slide Blocks	—
	Home Sensor	Out Side In Side	EE-SX672(NPN) —

Please contact us for OMRON Brand or PNP Sensor.

Allowable Moment Table

Mxd	124N.m
Myd	99N.m
Mzd	99N.m

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

Explanation

- 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.
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.

Dimension Table

Dimension	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408
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)※	8.6	9.2	9.7	10.3	10.8	11.4	12	12.5	13.1	13.6	14.2	14.8	15.3	15.9	16.4	17	17.6	18.1	18.7	19.2

Dimension	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050
L	1458	1508	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
N	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24
Weight(kg)※	19.8	20.4	20.9	21.5	22	22.6	23.2	23.7	24.3	24.8	25.5	26.1	26.6	27.2	27.7	28.3	28.9	29.4	30	30.5

Dimension	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050
L	2458	2508	2558	2608	2658	2708	2758	2808	2858	2908	2958	3008	3058	3108	3158	3208	3258	3308	3358	3408
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15
N	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34
Weight(kg)※	31.1	31.7	32.2	32.8	33.3	33.9	34.5	35	35.6	36.1	36.7	37.3	37.8	38.4	38.9	39.5	40.1	40.6	41.2	41.7

※ Not include motor weight.



Part Number Code	Ball Screw Lead	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
YTB14	40	100~3050	L(Motor Left Side) LU(Motor Left Upper Side) LD(Motor Left Lower Side) R(Motor Right Side) RU(Motor Right Upper Side) RD(Motor Right Lower Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	20(200W Servo) 57(57 Stepping)	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)

YTB14 - 40 - 550 - LU - M - 20 - C - 4



Discount price	Per 1~4	5~
Price	100%	Additional quotation

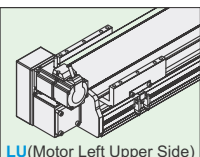


Delivery	17
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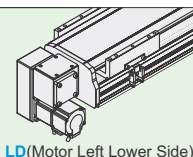


L(Motor Left Side)

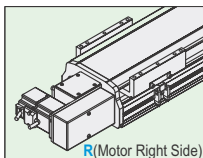
L(Motor Left Side)



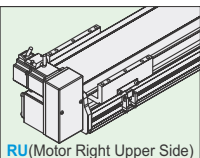
LU(Motor Left Upper Side)



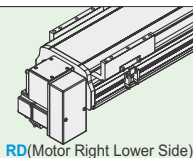
LD(Motor Left Lower Side)



R(Motor Right Side)



RU(Motor Right Upper Side)

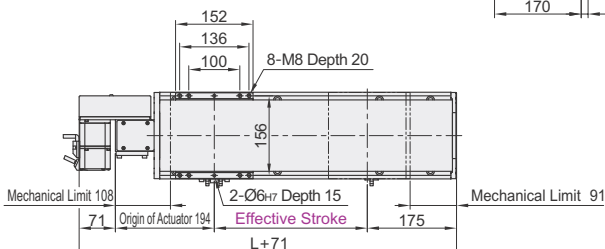
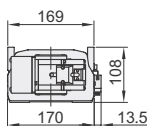
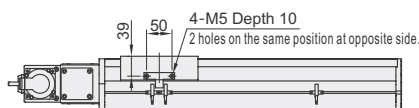
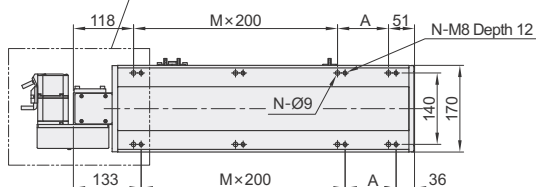


RD(Motor Right Lower Side)

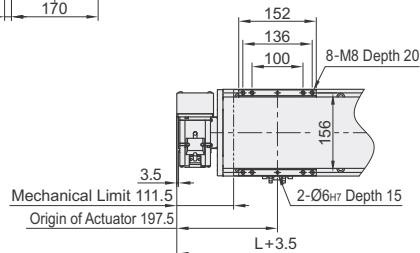
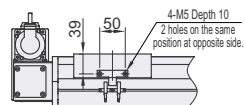
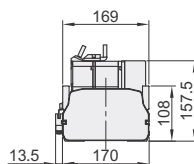
L(Motor Left Side)

As Shown Below

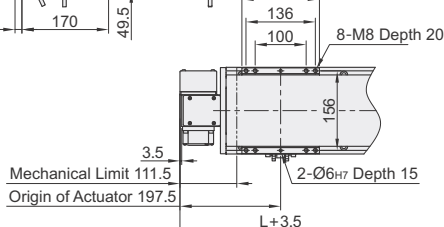
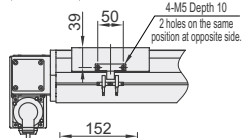
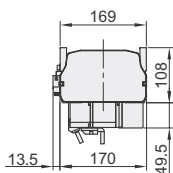
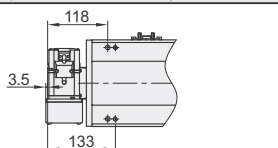
Mx200



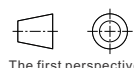
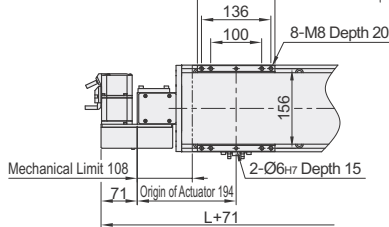
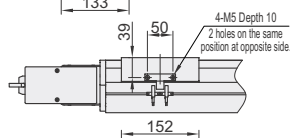
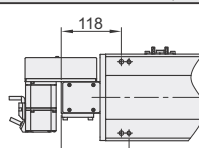
Technical drawing of a mechanical part showing dimensions: 118, 3.5, and 133.



LD(Motor Left Lower Side)



R(Motor Right Side)

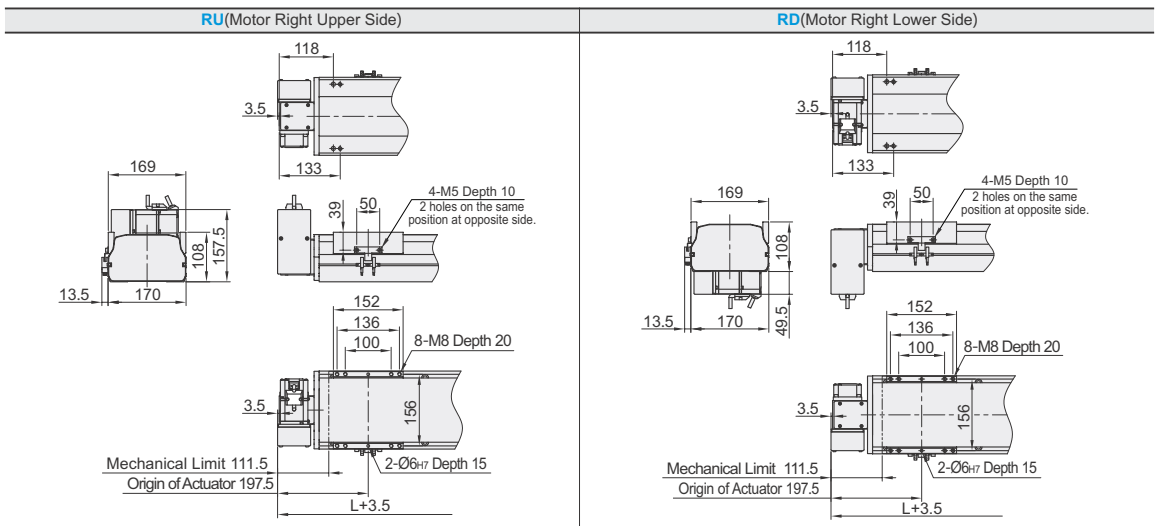


The first perspective

Single Axis Robots

YTB17 Series, Base Width 170 mm Timing Belt Series, General Environment

Motor Position Selection



Part Number Code	Ball Screw Lead	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
YTB17	40	100 ~ 3500 Non-standard stroke can be customized	L(Motor Left Side) LU(Motor Left Upper Side) LD(Motor Left Lower Side) R(Motor Right Side) RU(Motor Right Upper Side) RD(Motor Right Lower Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	40(400W Servo)	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

Recommend Motor Output	400W Servo
Positioning Repeatability(mm)	±0.04
Ball Screw Lead(mm)	40
Max Speed(mm/s)	2000
Maximum Payload(kg)	45
Rated Thrust(N)	200
Effective Stroke(mm)	100~3500(50mm Pitch)
Belt Width(mm)	30
Linear Guide Rail	20x15.5 Two Branch Double Slide Blocks
Home Sensor	Out Side In Side

Allowable Moment Table

Mxd	428N.m
Myd	310N.m
Mzd	310N.m

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

- Explanation
- 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.
 - The data in the table is based on the rated life of 10000km.
 - The repeated positioning accuracy in the table is a unidirectional value.
 - Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.

Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

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	1300	1350	1400	
L	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369	1419	1469	1519	1569	1619	1669	1719	1769	
A	100	150	200	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	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	
N	6	6	6	8	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	
Weight(kg)	13	13.8	14.6	15.4	16.2	17	17.7	18.5	19.3	20.1	20.9	21.7	22.5	23.3	24.1	24.9	25.6	26.4	27.2	28	28.8	29.6	30.4	31.2	32	32.8	33.5	

Dimension	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750
L	1819	1869	1919	1969	2019	2069	2119	2169	2219	2269	2319	2369	2419	2469	2519	2569	2619	2669	2719	2769	2819	2869	2919	2969	3019	3069	3119
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	50	100	150
M	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14
N	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32
Weight(kg)	34.3	35.1	35.9	36.7	37.5	38.3	39.1	39.9	40.7	41.4	42.2	43	43.8	44.6	45.4	46.2	47	47.8	48.6	49.3	50.1	50.9	51.7	52.5	53.3	54.1	54.9

Dimension	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500
L	3169	3219	3269	3319	3369	3419	3469	3519	3569	3619	3669	3719	3769	3819	3869
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	14	15	15	15	15	16	16	16	16	17	17	17	17	18	18
N	32	34	34	34	34	36	36	36	36	38	38	38	38	40	40
Weight(kg)	55.7	56.5	57.2	58	58.8	59.6	60.4	61.2	62	62.8	63.6	64.4	65.1	65.9	66.7

Not include motor weight.



Part Number Code	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
YTB17	40	L(Motor Left Side) LU(Motor Left Upper Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	40(400W Servo)	Out Side C(Motor side) D(OppoSite Motor Side)	Out Side 3(1 Pc) 4(2 Pcs)

YTB17-40-550-LU-M-40-C-4



Discount price	Per 1~4	5~
Price 100%	Additional quotation	



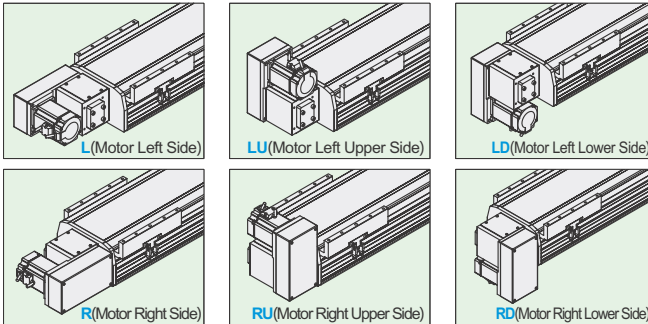
Delivery	17
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Single Axis Robots

YTB22 Series, Base Width 220 mm Timing Belt Series, General Environment

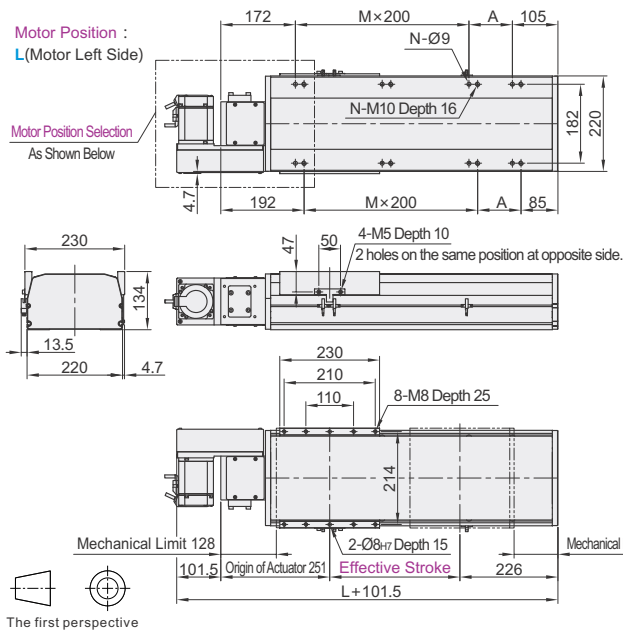
Code	Seat		Guide rail		Slider		Cover		Environment
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YTB22	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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

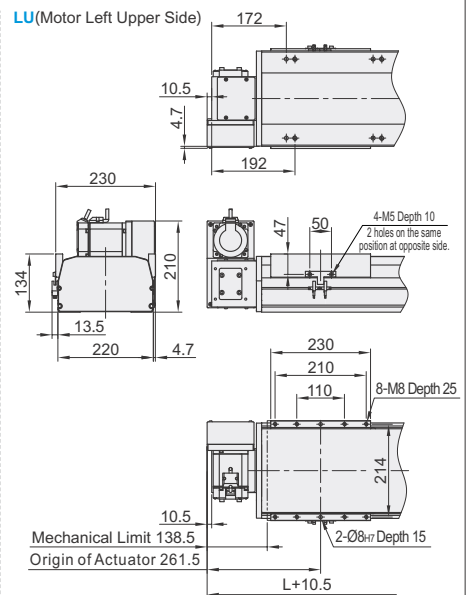


Motor Position :
L (Motor Left Side)

Motor Position Selection
As Shown Below

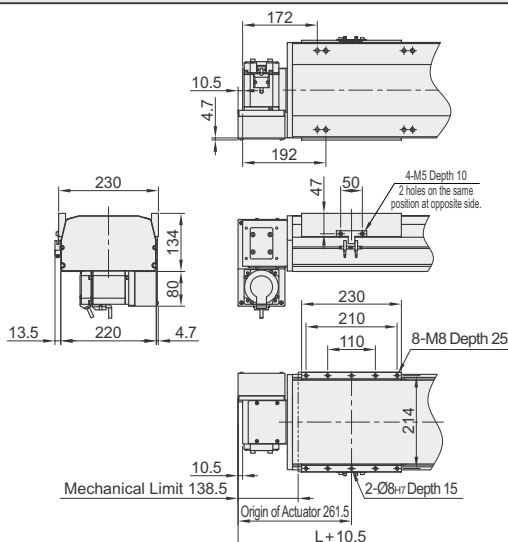


LU (Motor Left Upper Side)

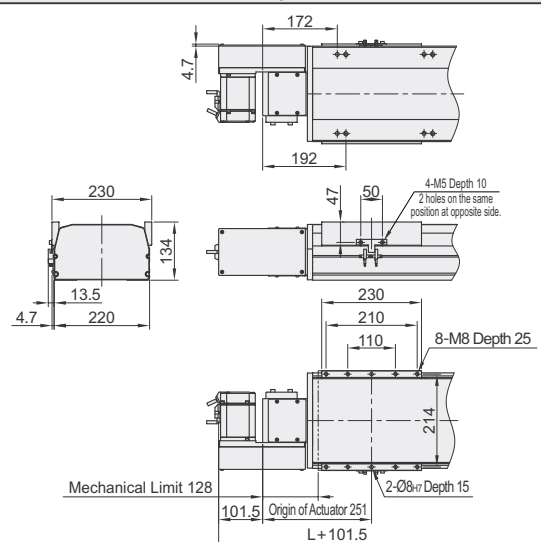


Ⓢ Motor Position Selection

LD (Motor Left Lower Side)



R (Motor Right Side)



Single Axis Robots

YTB22 Series, Base Width 220 mm Timing Belt Series, General Environment

Motor Position Selection

RU (Motor Right Upper Side)				RD (Motor Right Lower Side)			

Part Number	Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)				
YTB22	40	100 ~ 3400 Non-standard stroke can be customized	L (Motor Left Side) LU (Motor Left Upper Side) LD (Motor Left Lower Side) R (Motor Right Side) RU (Motor Right Upper Side) RD (Motor Right Lower Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi) T (Delta) H (Inovance) L (Leadshine)	75 (750W Servo)	Out Side C (Motor Side) D (Opposite Motor Side) No Sensor E (No Sensor)

Specification

Recommend Motor Output		750W Servo
Spec	Positioning Repeatability (mm)	±0.04
	Ball Screw Lead (mm)	40
	Max Speed (mm/s)	2000
	Maximum Payload (kg)	Horizontal 85 Vertical —
	Rated Thrust (N)	375
Parts	Effective Stroke (mm)	100~3400 (50mm Pitch)
	Belt Width (mm)	50
	Linear Guide Rail	23x18 Two Branch Double Slide Blocks
Home Sensor	Out Side	EE-SX672 (NPN)
	In Side	—

Allowable Moment Table

Mxd	515N.m
Myd	372N.m
Mzd	372N.m

The torque value in the table is the dynamic allowable torque based on the 10000km running life of the sliding table.
Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
(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. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.

① Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

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	1300	1350	1400	
L	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	
A	100	150	200	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	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	
N	6	6	6	8	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	18	18	18	18	
Weight(kg)	13	13.8	14.6	15.4	16.2	17	17.7	18.5	19.3	20.1	20.9	21.7	22.5	23.3	24.1	24.9	25.6	26.4	27.2	28	28.8	29.6	30.4	31.2	32	32.8	33.5	

Dimension	Stroke																											
	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	
L	1927	1977	2027	2077	2127	2177	2227	2277	2327	2377	2427	2477	2527	2577	2627	2677	2727	2777	2827	2877	2927	2977	3027	3077	3127	3177	3227	
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	50	100	150	
M	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	4	
N	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	
Weight(kg)	34.3	35.1	35.9	36.8	37.6	38.4	39.2	40	40.8	41.5	42.3	43.1	43.9	44.7	45.5	46.3	47.1	47.9	48.7	49.4	50.2	51	51.8	52.6	53.4	54.2	55	

Dimension	Stroke													
	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	
L	3277	3327	3377	3427	3477	3527	3577	3627	3677	3727	3777	3827	3877	
A	200	50	100	150	200	50	100	150	200	50	100	150	200	
M	14	15	15	15	15	16	16	16	16	17	17	17	17	
N	32	34	34	34	34	36	36	36	36	38	38	38	38	
Weight(kg)	55.8	56.6	57.3	58.1	58.9	59.7	60.5	61.3	62.1	62.9	63.7	64.5	65.2	

① Not included motor weight.



Part Number	Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)				
YTB22	40	100 ~ 3400	L (Motor Left Side) LU (Motor Left Upper Side) LD (Motor Left Lower Side) R (Motor Right Side) RU (Motor Right Upper Side) RD (Motor Right Lower Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi) T (Delta) H (Inovance) L (Leadshine)	75 (750W Servo)	Out Side C (Motor Side) D (Opposite Motor Side) No Sensor E (No Sensor)





Discount price

Per	1~4	5~
Price	100%	Additional quotation

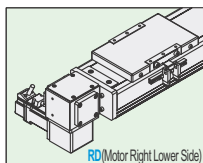
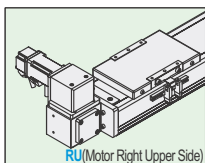
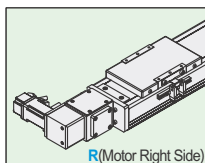
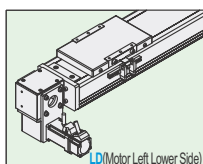
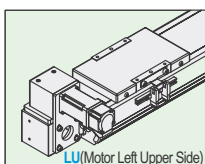
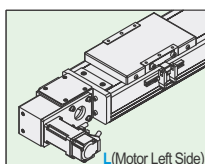


Delivery	17
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YTB22-40-550-LU-M-75-C-4

Code	Seat		Guide rail		Slider		Cover		Environment
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCTB10	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

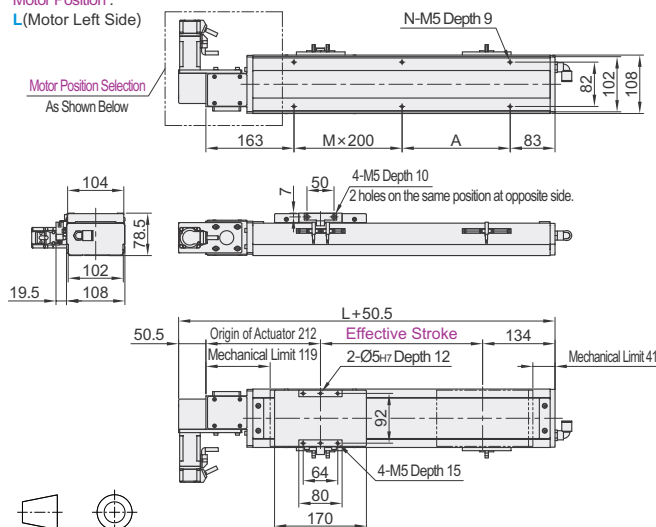
 This product does not include a motor, the motor must be purchased separately.



Motor Position :

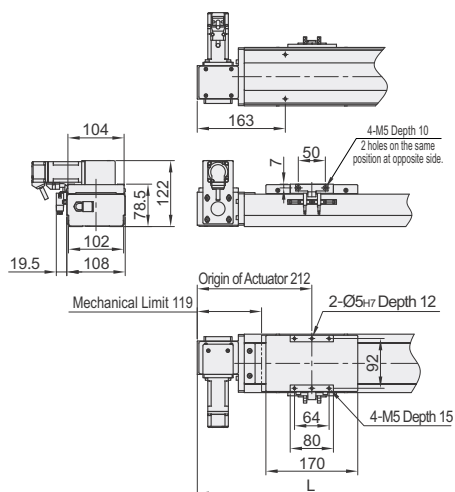
L(Motor Left Side)

Motor Position Selection
As Shown Below



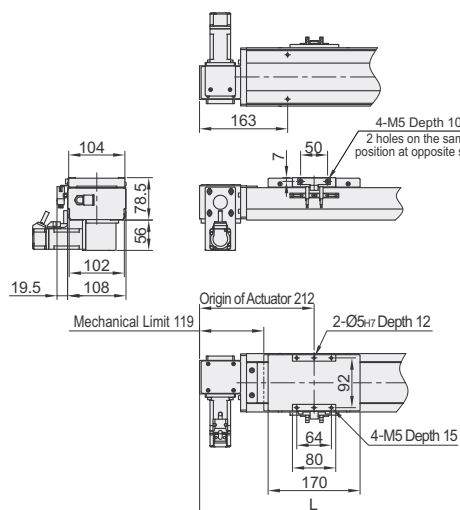
The first perspective

LU(Motor Left Upper Side)

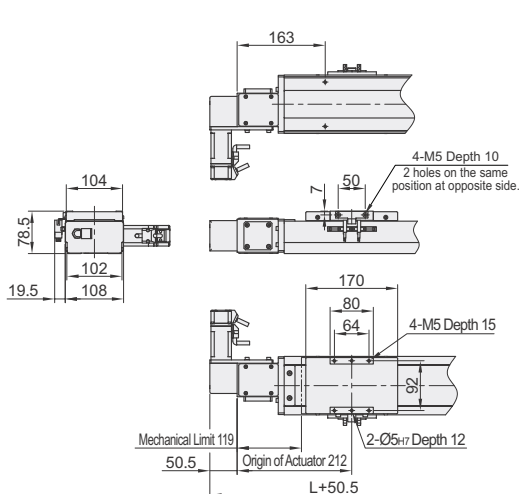


 Motor Position Selection

LD(Motor Left Lower Side)



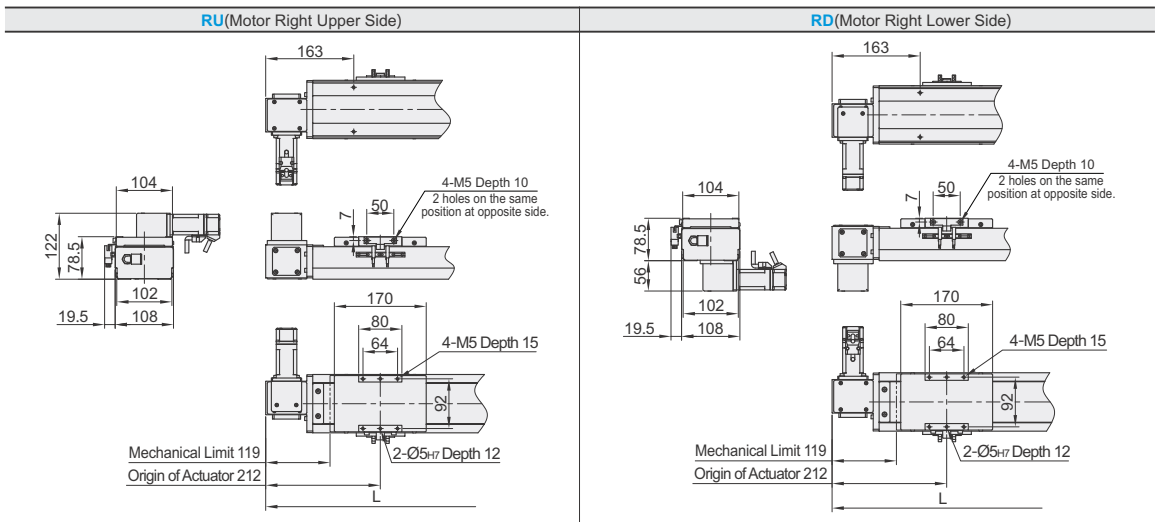
R(Motor Right Side)



Single Axis Robots

YCTB10 Series, Base Width 102 mm Timing Belt Series, Clean Room Environment

Motor Position Selection



Part Number Code	Ball Screw Lead	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
YCTB10	32	100 ~ 2550 Non-standard stroke can be customized	L (Motor Left Side) LU (Motor Left Upper Side) LD (Motor Left Lower Side) R (Motor Right Side) RU (Motor Right Upper Side) RD (Motor Right Lower 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. 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. Please consult our company for other output spec.	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

Recommend Motor Output	57 Stepping	100W Servo
Positioning Repeatability (mm)	±0.04	±0.04
Ball Screw Lead (mm)	32	32
Max Speed (mm/s)	333	1600
Maximum Payload (kg)	Horizontal 10	Vertical 10
Rated Thrust (N)	62	—
Effective Stroke (mm)	100~2550 (50mm Pitch)	—
Belt Width (mm)	15	—
Linear Guide Rail	20×17.5 Single Branch, Single Slide Block	—
Home Sensor	Out Side In Side	EE-SX672 (NPN) —

Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

Dimension	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	446	496	546	596	646	696	746	796	846	896	946	996	1046	1096	1146	1196	1246	1296	1346	1396	1446	1496	1546	1596	1646
A	200	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	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	4	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)※	8.3	8.72	9.14	9.56	9.98	10.4	10.82	11.24	11.66	12.08	12.5	12.92	13.34	13.76	14.18	14.6	15.02	15.44	15.86	16.28	16.7	17.12	17.54	17.96	18.38

Dimension	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1696	1746	1796	1846	1896	1946	1996	2046	2096	2146	2196	2246	2296	2346	2396	2446	2496	2546	2596	2646	2696	2746	2796	2846	2896
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	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
Weight (kg)※	18.82	19.24	19.66	20.08	20.5	20.92	21.34	21.76	22.18	22.6	23.02	23.44	23.86	24.28	24.7	25.12	25.54	25.96	26.38	26.8	27.22	27.64	28.06	28.5	28.9

※ Not include motor weight.

Allowable Moment Table

Mxd	39N.m
Myd	35N.m
Mzd	35N.m

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. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.

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



Part Number Code	Ball Screw Lead	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
YCTB10	32	100 ~ 2550	L (Motor Left Side) LU (Motor Left Upper Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi)	10 (100W Servo) 57 (57 Stepping)	Out Side C (Motor side) D (Opposite Motor Side)	Out Side 3 (1 Pc) 4 (2 Pcs)

YCTB10 - 32 - 550 - LU - M - 10 - C - 4



Discount price	Per 1~4	5~
Price	100%	Additional quotation

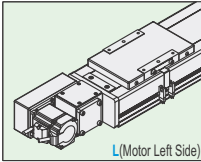


Single Axis Robots

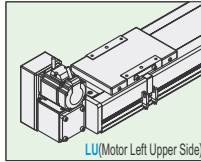
YCTB14 Series, Base Width 135 mm Timing Belt Series, Clean Room Environment

Code	Seat		Guide rail		Slider		Cover		Environment
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCTB14	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

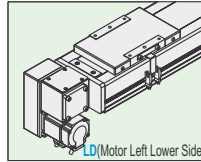
I This product does not include a motor, the motor must be purchased separately.



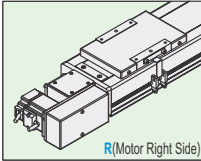
L(Motor Left Side)



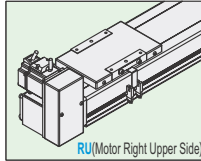
LU(Motor Left Upper Side)



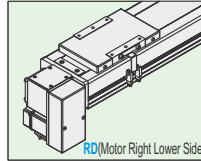
LD(Motor Left Lower Side)



R(Motor Right Side)



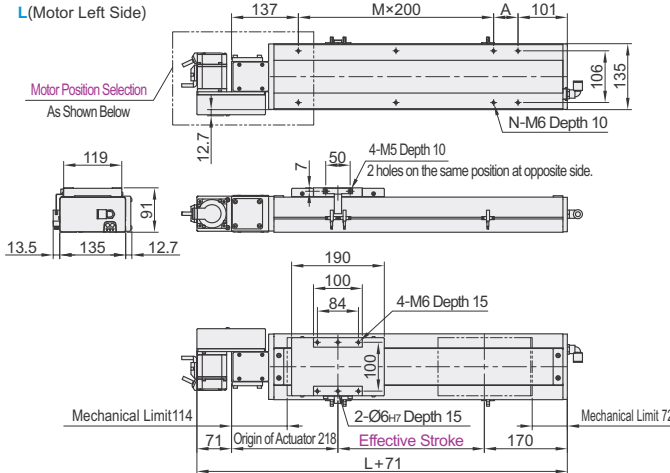
RU(Motor Right Upper Side)



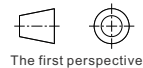
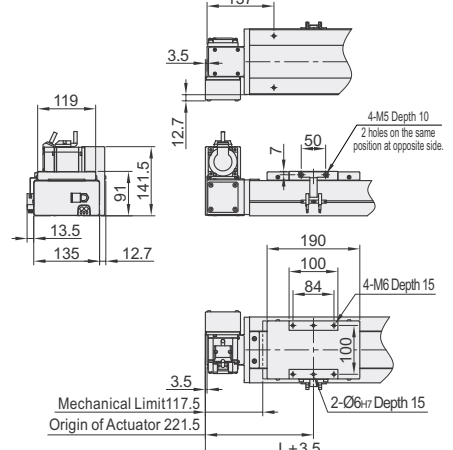
RD(Motor Right Lower Side)

Motor Position :

L(Motor Left Side)



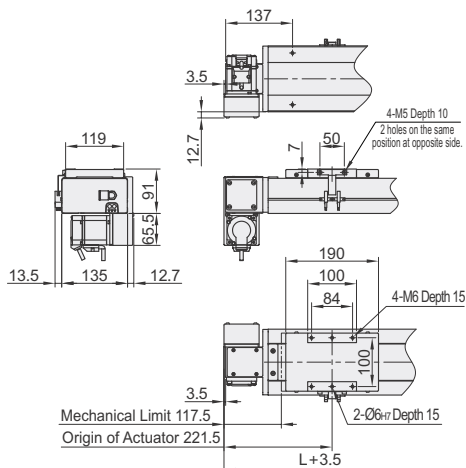
LU(Motor Left Upper Side)



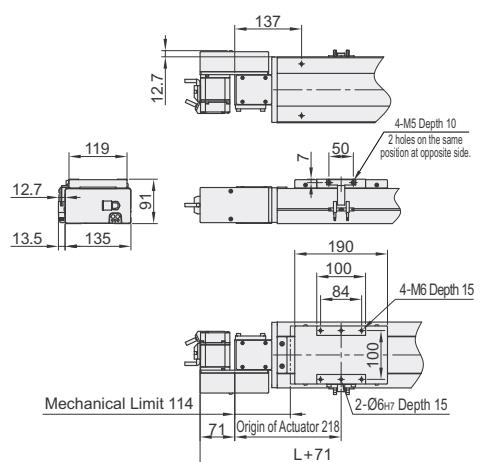
The first perspective

Motor Position Selection

LD(Motor Left Lower Side)



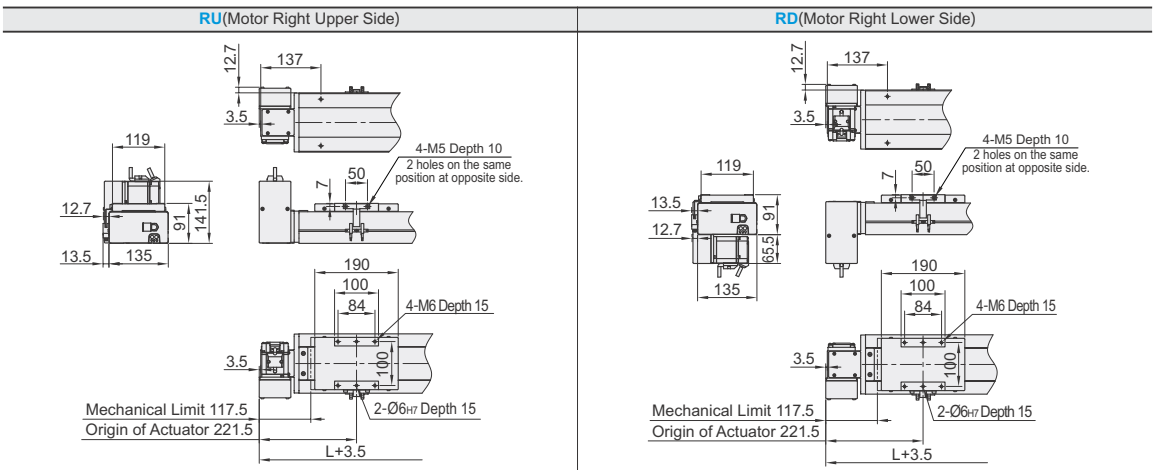
R(Motor Right Side)



Single Axis Robots

YCTB14 Series, Base Width 135 mm Timing Belt Series, Clean Room Environment

Motor Position Selection



Part Number Code	Ball Screw Lead	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
YCTB14	40	100 ~ 3050 Non-standard stroke can be customized	L (Motor Left Side) LU (Motor Left Upper Side) LD (Motor Left Lower Side) R (Motor Right Side) RU (Motor Right Upper Side) RD (Motor Right Lower 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. Please consult our company for other output spec.	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

Recommend Motor Output	57 Stepping	200W Servo
Positioning Repeatability (mm)	±0.04	±0.04
Ball Screw Lead (mm)	40	40
Max Speed (mm/s)	333	2000
Maximum Payload (kg)	Horizontal 25	Vertical 25
Rated Thrust (N)	50	100
Effective Stroke (mm)	100~3050 (50mm Pitch)	
Belt Width (mm)	22	
Linear Guide Rail	15x12.5 Two Branch Double Slide Blocks	
Home Sensor	Out Side EE-SX672 (NPN) In Side —	

Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

Dimension	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238	1288	1338	1388	1438
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)	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1

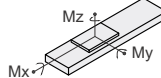
Dimension	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050
L	1488	1538	1588	1638	1688	1738	1788	1838	1888	1938	1988	2038	2088	2138	2188	2238	2288	2338	2388	2438
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
N	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24
Weight (kg)	21.6	22.1	22.6	23.1	23.6	24.1	24.6	25.1	25.6	26.1	26.7	27.3	27.9	28.5	29.1	29.7	30.3	30.9	31.5	32.1

Dimension	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050
L	2488	2538	2588	2638	2688	2738	2788	2838	2888	2938	2988	3038	3088	3138	3188	3238	3288	3338	3388	3438
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15
N	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34
Weight (kg)	32.7	33.3	33.9	34.5	35.1	35.7	36.3	36.9	37.5	38.1	38.7	39.3	39.9	40.5	41.1	41.7	42.3	42.9	43.5	44.1

Not include motor weight.

Allowable Moment Table

Mxd	124N.m
Myd	99N.m
Mzd	99N.m



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

- Explanation
- The actual load shall meet the following conditions:
 - Meet the maximum load condition in the "Specification" table.
 - Satisfy the torque condition in the "allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
 - The data in the table is based on the rated life of 10000km.
 - The repeated positioning accuracy in the table is a unidirectional value.
 - Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.



Please order as shown

Part Number Code	Ball Screw Lead	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
YCTB14	40	100 ~ 3050	L (Motor Left Side) LU (Motor Left Upper Side) LD (Motor Left Lower Side) R (Motor Right Side) RU (Motor Right Upper Side) RD (Motor Right Lower Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi)	20 (100W Servo) 57 (57 Stepping)	Out Side C (Motor Side) D (Opposite Motor Side)	Out Side 3 (1 Pc) 4 (2 Pcs)

YCTB14 - 40 - 550 - LU - M - 20 - C - 4



Discount price	Per 1~4	5~
Price 100%	Additional quotation	



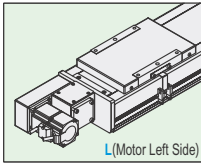
Delivery	17
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Single Axis Robots

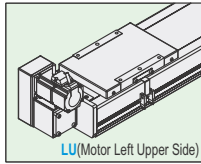
YCTB17 Series, Base Width 170 mm Timing Belt Series, Clean Room Environment

Code	Seat		Guide rail		Slider		Cover		Enviroment
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCTB17	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

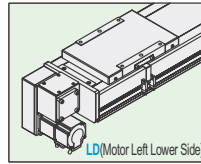
ⓘ This product does not include a motor, the motor must be purchased separately.



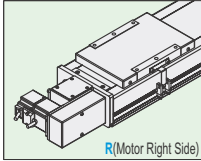
L(Motor Left Side)



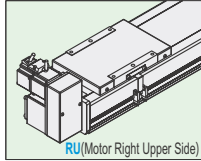
LU(Motor Left Upper Side)



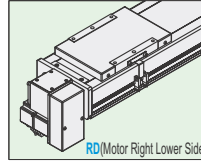
LD(Motor Left Lower Side)



R(Motor Right Side)



RU(Motor Right Upper Side)



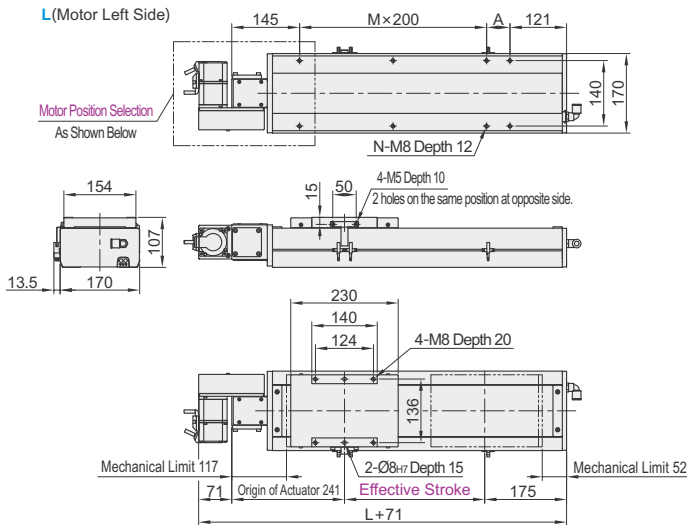
RD(Motor Right Lower Side)

Motor Position :

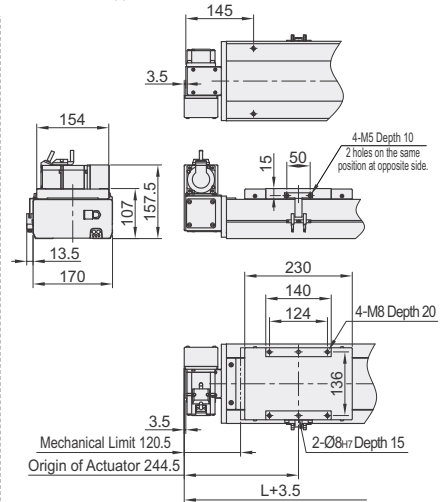
L(Motor Left Side)

Motor Position Selection

As Shown Below



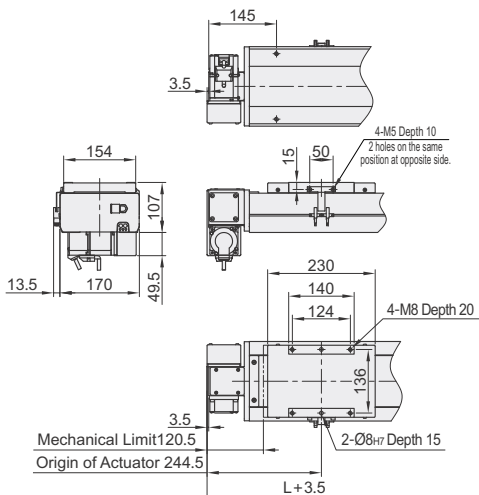
LU(Motor Left Upper Side)



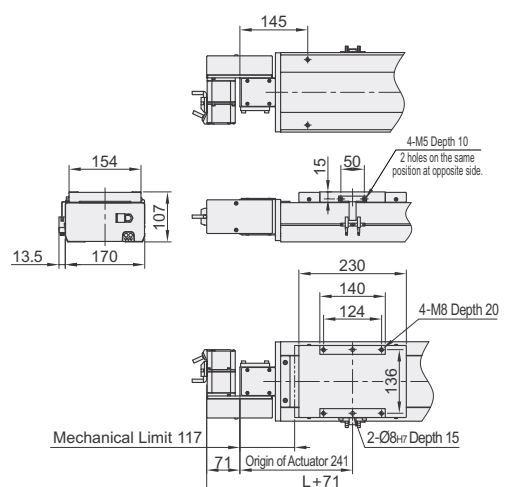
The first perspective

Motor Position Selection

LD(Motor Left Lower Side)



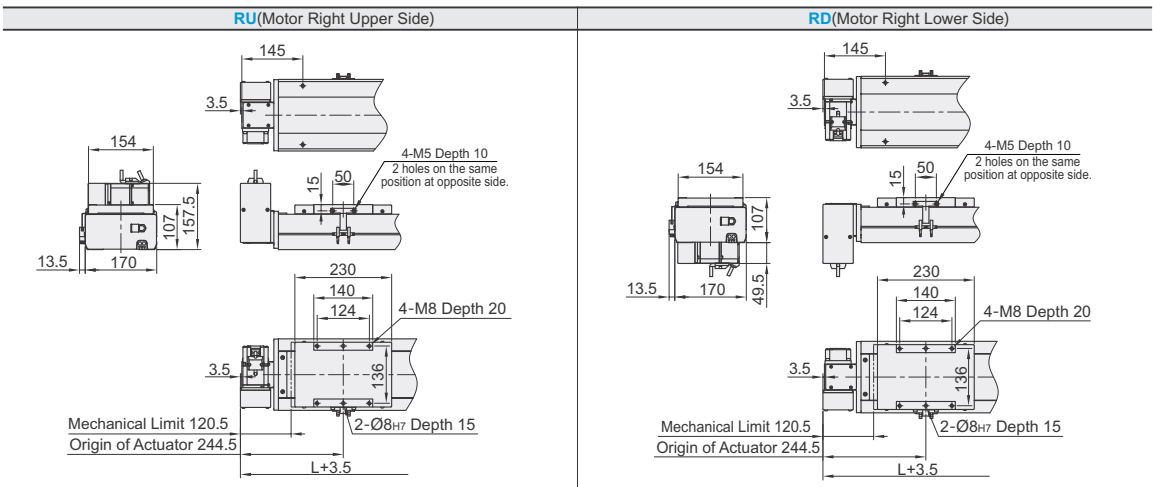
R(Motor Right Side)



Single Axis Robots

YCTB17 Series, Base Width 170 mm Timing Belt Series, Clean Room Environment

Motor Position Selection



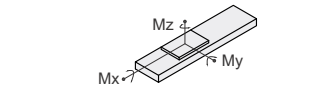
Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead						
YCTB17	40	100 ~ 3500 Non-standard stroke can be customized	L (Motor Left Side) LU (Motor Left Upper Side) LD (Motor Left Lower Side) R (Motor Right Side) RU (Motor Right Upper Side) RD (Motor Right Lower Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi) T (Delta) H (Inovance) L (Leadshine)	40 (400W Servo)	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

Recommend Motor Output		400W Servo
Spec	Positioning Repeatability(mm)	±0.04
	Ball Screw Lead(mm)	40
	Max Speed(mm/s)	2000
	Maximum Payload(kg)	Horizontal 45 Vertical —
	Rated Thrust(N)	200
	Effective Stroke(mm)	100~3500(50mm Pitch)
Parts	Belt Width(mm)	30
	Linear Guide Rail	20x15.5 Two Branch Double Slide Blocks
	Home Sensor	Out Side EE-SX672(NPN) In Side —

Allowable Moment Table

Mxd	428N.m
Myd	310N.m
Mzd	310N.m



The torque value in the table is the dynamic allowable torque based on the 10000km running life of the sliding table.
Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
(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. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.

① Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

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	1300	1350	1400	
L	516	566	616	666	716	766	816	866	916	966	1016	1066	1116	1166	1216	1266	1316	1366	1416	1466	1516	1566	1616	1666	1716	1766	1816	
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	50	100	150	
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	7	7	7	
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	18	18	18	
Weight(kg)	16	16.8	17.6	18.4	19.1	19.9	20.7	21.5	22.2	23	23.8	24.6	25.3	26.1	26.9	27.7	28.4	29.2	30	30.8	31.6	32.4	33.2	34	34.8	35.6	36.4	

Dimension	Stroke																											
	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	
L	1866	1916	1966	2016	2066	2116	2166	2216	2266	2316	2366	2416	2466	2516	2566	2616	2666	2716	2766	2816	2866	2916	2966	3016	3066	3116	3166	
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	
M	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	
N	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	
Weight(kg)	37.2	38	38.8	39.6	40.4	41.2	42	42.8	43.6	44.4	45.2	46	46.8	47.6	48.4	49.2	50	50.8	51.6	52.4	53.2	54	54.8	55.6	56.4	57.2	58	

Dimension	Stroke															
	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	
L	3216	3266	3316	3366	3416	3466	3516	3566	3616	3666	3716	3766	3816	3866	3916	
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	
M	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	
N	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40	
Weight(kg)	58.8	59.6	60.4	61.2	62	62.8	63.6	64.4	65.2	66	66.8	67.6	68.4	69.2	70	

① Not include motor weight.



Part Number Code	Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
YCTB17	40	L (Motor Left Side) LU (Motor Left Upper Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi)	40 (400W Servo)	Out Side C (Motor side) D (Opposite Motor Side)	Out Side 3 (1 Pc) 4 (2 Pcs)

YCTB17-40-550-LU-M-40-C-4



Per	1~4	5~
Price	100%	Additional quotation



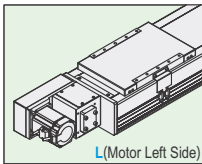
Delivery	17
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Single Axis Robots

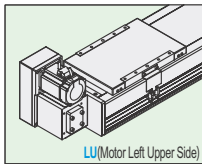
YCTB22 Series, Base Width 220 mm Timing Belt Series, Clean Room Environment

Code	Seat		Guide rail		Slider		Cover		Enviroment
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCTB22	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

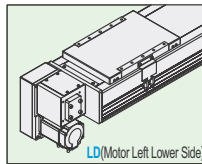
ⓘ This product does not include a motor, the motor must be purchased separately.



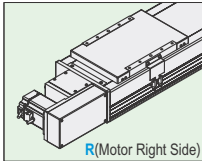
L (Motor Left Side)



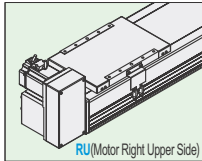
LU (Motor Left Upper Side)



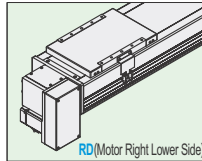
LD (Motor Left Lower Side)



R (Motor Right Side)



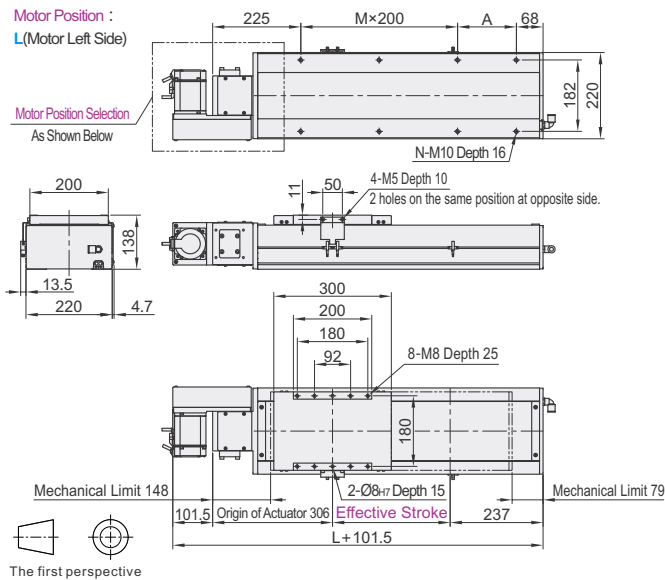
RU (Motor Right Upper Side)



RD (Motor Right Lower Side)

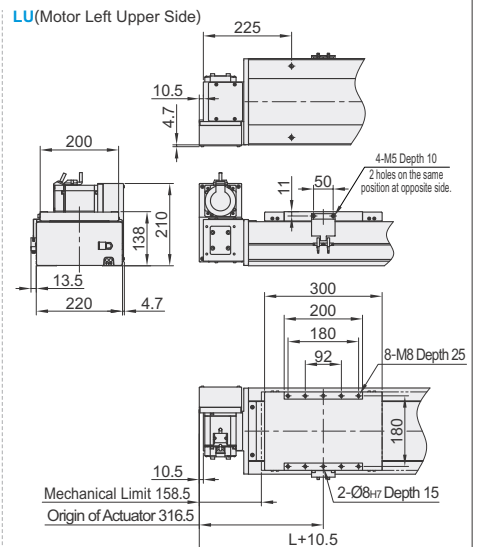
Motor Position :
L (Motor Left Side)

Motor Position Selection
As Shown Below



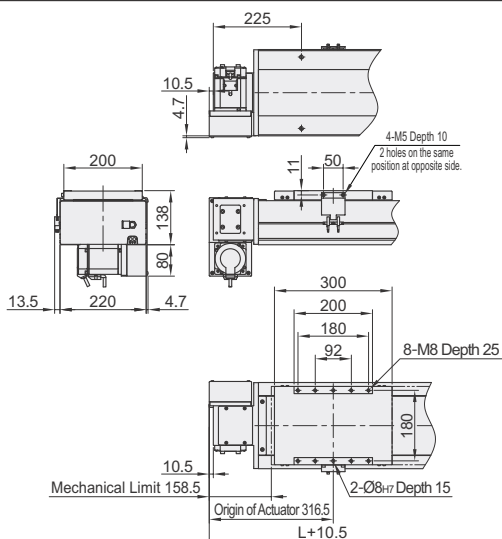
The first perspective

LU (Motor Left Upper Side)

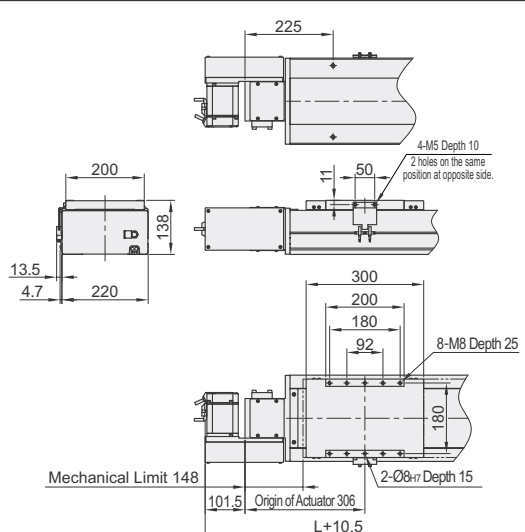


Motor Position Selection

LD (Motor Left Lower Side)



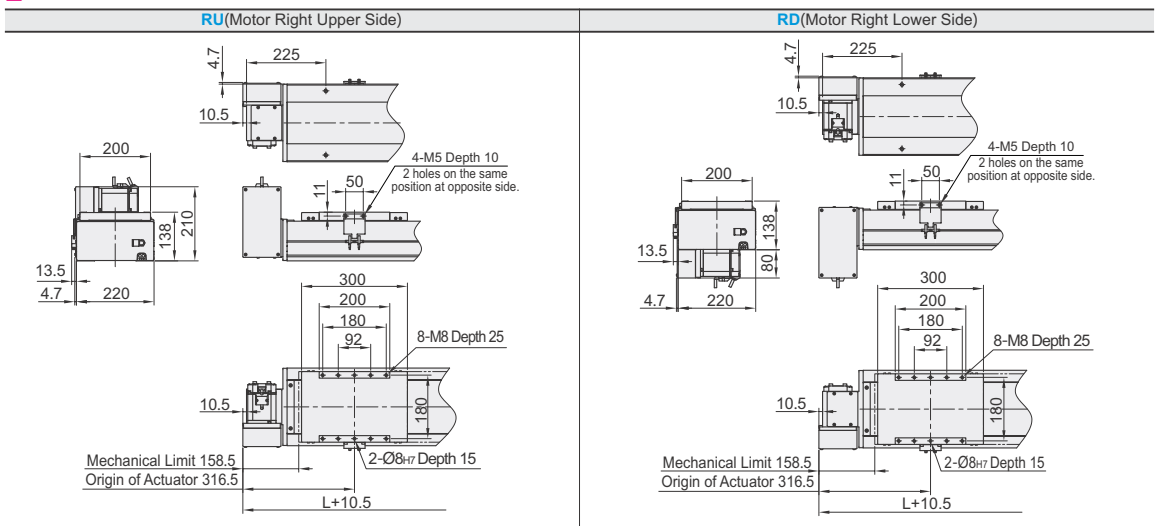
R (Motor Right Side)



Single Axis Robots

YCTB22 Series, Base Width 220 mm Timing Belt Series, Clean Room Environment

Motor Position Selection



Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead						
YCTB22	40	100 ~ 3350 Non-standard stroke can be customized	L(Motor Left Side) LU(Motor Left Upper Side) LD(Motor Left Lower Side) R(Motor Right Side) RU(Motor Right Upper Side) RD(Motor Right Lower Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi) T(Delta) H(Inovance) L(Leadshine)	75(750W Servo)	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

Recommend Motor Output	750W Servo
Positioning Repeatability (mm)	±0.04
Ball Screw Lead (mm)	40
Max Speed (mm/s)	2000
Maximum Payload (kg)	Horizontal 85
Rated Thrust (N)	Vertical —
Effective Stroke (mm)	375
Belt Width (mm)	100~3350 (50mm Pitch)
Linear Guide Rail	50
Home Sensor	23x18 Two Branch Double Slide Blocks
	EE-SX672 (NPN)
	Out Side
	In Side
	—

Allowable Moment Table

Mxd	515N.m
Myd	372N.m
Mzd	372N.m

Explanation

- The actual load shall meet the following conditions:
 - Meet the maximum load condition in the "Specification" table.
 - Satisfy the torque condition in the "allowable Moment Table" if beyond the conditions of use will greatly reduce the life of the slide table.
 - The data in the table is based on the rated life of 10000km.
 - The repeated positioning accuracy in the table is a unidirectional value.
 - Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.

The torque value in the table is the dynamic allowable torque based on the 10000km running life of the sliding table.

Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
 (Mx, My, Mz are the actual moments in each direction)

Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

Dimension	Stroke
L	100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200 1250 1300 1350 1400
A	643 693 743 793 843 893 943 993 1043 1093 1143 1193 1243 1293 1343 1393 1443 1493 1543 1593 1643 1693 1743 1793 1843 1893 1943
M	1 1 2 2 2 2 3 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 7 8
N	6 6 8 8 8 8 10 10 10 10 12 12 12 12 14 14 14 14 16 16 16 16 18 18 18 20
Weight (kg)	13 13.8 14.6 15.4 16.1 16.9 17.7 18.5 19.2 20 20.8 21.6 22.3 23.1 23.9 24.7 25.4 26.2 27 27.8 28.6 29.4 30.2 31 31.8 32.6 33.4

Dimension	Stroke
L	1450 1500 1550 1600 1650 1700 1750 1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550 2600 2650 2700 2750
A	1993 2043 2093 2143 2193 2243 2293 2343 2393 2443 2493 2543 2593 2643 2693 2743 2793 2843 2893 2943 2993 3043 3093 3143 3193 3243 3293
M	10 10 15 15 15 15 16 16 16 16 17 17 17 17 18 18 18 18 20 20 20 20 22 22 22 22 24 24 24 24 26 26 26 26 28 28 28 28 30 30 30 30 32 32 32 32
N	20 20 20 22 22 22 22 22 24 24 24 24 26 26 26 26 28 28 28 28 30 30 30 30 32 32 32 32
Weight (kg)	34.2 35 35.8 36.6 37.4 38.2 39 39.8 40.6 41.4 42.2 43 43.8 44.6 45.4 46.2 47 47.8 48.6 49.4 50.2 51 51.8 52.6 53.4 54.2 55

Dimension	Stroke
L	2800 2850 2900 2950 3000 3050 3100 3150 3200 3250 3300 3350
A	3343 3393 3443 3493 3543 3593 3643 3693 3743 3793 3843 3893
M	50 100 150 200 250 300 350 400 450 500 550 600
N	15 15 15 15 16 16 16 16 17 17 17 17
Weight (kg)	34 34 34 34 36 36 36 36 38 38 38 38
	55.8 56.6 57.4 58.2 59 59.8 60.6 61.4 62.2 63 63.8 64.6

Not include motor weight.



Please order as shown

Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead (50 mm Inc.)	Selection				
YCTB22	40	LU (Motor Left Side) LU (Motor Left Upper Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi)	75 (750W Servo)	Out Side C (Motor side) D (Opposite Motor Side)	Out Side 3 (1 Pc) 4 (2 Pcs)

YCTB22 - 40 - 550 - LU - M - 75 - C - 4



Discount price
Per 1~4
Price 100%
Additional quotation

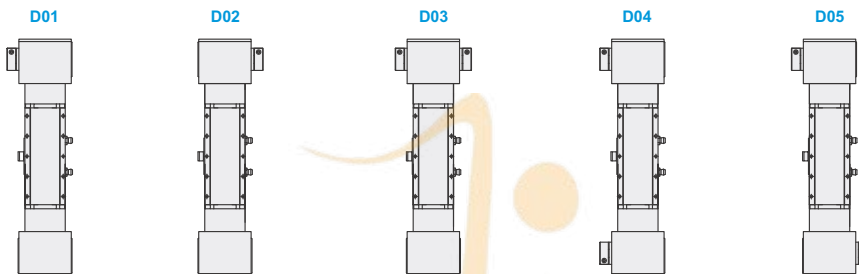


Delivery
17

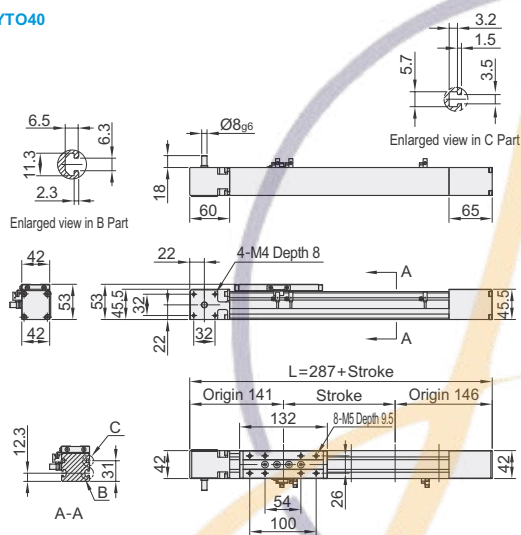
Code	Seat		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YTO	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	Humidity 85% Temperature -10℃~60℃



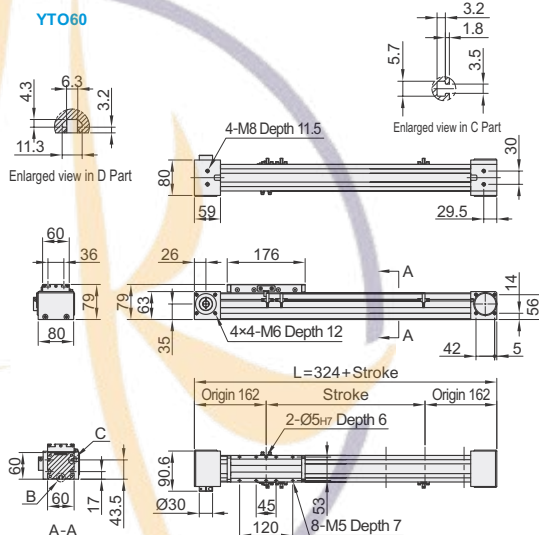
Motor Mounting Position :



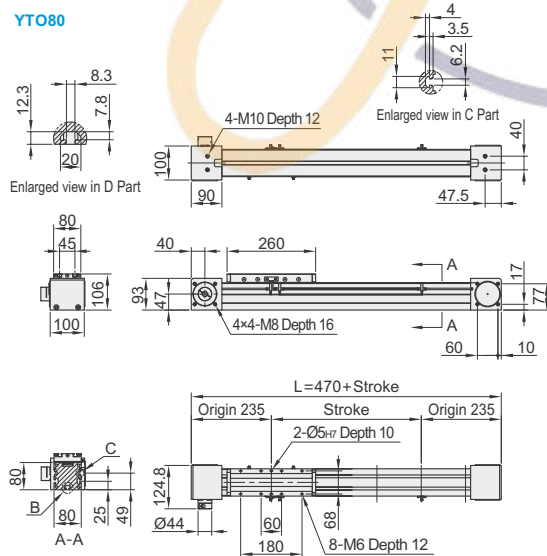
YTO40



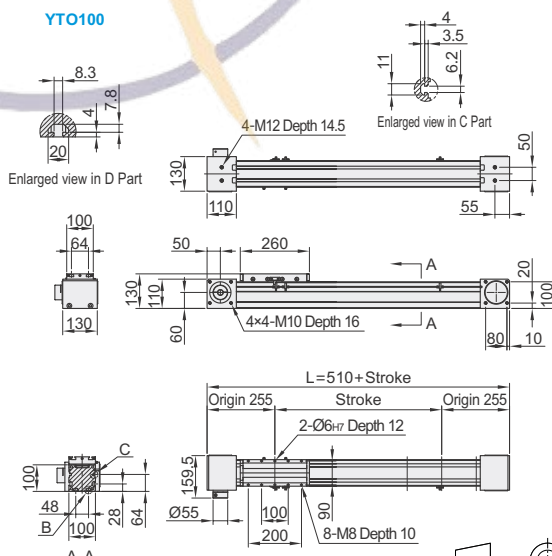
YTO60



YTO80



YTO100



The first perspective

Part Number		Effective Stroke (100 mm Inc.)	Motor Mounting Position	Number of Sliders	Reduction Ratio	Motor Brand	Motor Power Output	Brake	Photoelectric Sensor QTY
Code	Slider								
YTO40	No Sign (Standard Slider)	100 ~ 1500	D01 D02 D03 D04 D05	S(1 Slider) D(2 Slider)	G3 (1:3) G4 (1:4) G5 (1:5) G7 (1:7) G10 (1:10) G0 (No)	M(Mitsubishi) P(Panasonic) Y(Yaskawa) T(Delta)	10(100W) 20(200W) 40(400W) 75(750W) 1K(1000W)	N (Without Brake) B (With Brake)	P1(1 PC) P2(2 PCS) P3(3 PCS) P0(No)
YTO60									
YTO80		100 ~ 3500							
YTO100									

Basic Specification

Code		YTO40	YTO60	YTO80	YTO100
Technical Parameters	Repetitive Accuracy (mm)	±0.05			
	Pulley Lead (mm)	99	130	176	224
	Belt Type	3M-10	5M-25	8M-30	8M-50
	Max Speed(mm/s)	3000		5000	
	Max Payload(kg)	Horizontal 10 Vertical 8	30 20	50 40	80 60
	Max No-Load Torque(N·m)	0.1	0.35	0.5	0.9
	Max Torque(N·m)	6	13.3	49.8	105.7
Basic Specification	Standard Stroke(mm)	100~1500(100mm Pitch) 100~3500(100mm Pitch)			
	Servo Motor Output (W)	100	200/400	400/750	750/1000
	High Rigidity Linear Guide	12#×1PC	15#×1PC	20#×1PC	25#×1PC
	Max Outline of Main Engine's Cross Section(mm)	42×53	80×79	100×106	130×130
	Home Sensor	EE-SX952-R(NPN) EE-SX672(NPN)			

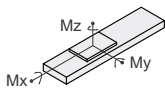
□ Please contact us for OMRON Brand or PNP Sensor.

Allowance Torque Table

Code	YTO40	YTO60	YTO80	YTO100
Mxd	6N.m	22N.m	75N.m	115N.m
Myd	20N.m	78N.m	210N.m	310N.m
Mzd	20N.m	78N.m	210N.m	310N.m

Explanation :

- The actual load shall meet the following conditions:
(a) Meet the maximum load condition in the "Basic Specification" table.
(b) Satisfy the torque condition in the "Allowance Torque Table" if beyond the conditions of use will greatly reduce the life of the slide table.
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.
- If the sliding table is used vertically, please choose the belt brake motor.



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

Dimension Table

Code	Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
YTO40	L	387	487	587	687	787	887	987	1087	1187	1287	1387	1487	1587	1687	1787
	Weight(kg)	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5

Code	Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
YTO60	L	424	524	624	724	824	924	1024	1124	1224	1324	1424	1524	1624	1724	1824
	Weight(kg)	2.5	3	3.5	4	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.7
YTO80	L	570	670	770	870	970	1070	1170	1270	1370	1470	1570	1670	1770	1870	1970
	Weight(kg)	9.1	9.9	10.8	11.6	12.5	13.4	14.2	15.1	15.9	16.8	17.6	18.5	19.4	20.2	21.1
YTO100	L	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010
	Weight(kg)	15.5	16.8	18	19.2	20.5	21.7	22.9	24.1	25.4	26.6	27.8	29.1	30.3	31.5	32.8

Code	Stroke	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
YTO60	L	1924	2024	2124	2224	2324	2424	2524	2624	2724	2824	2924	3024	3124	3224	3324
	Weight(kg)	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3
YTO80	L	2070	2170	2270	2370	2470	2570	2670	2770	2870	2970	3070	3170	3270	3370	3470
	Weight(kg)	22	22.8	23.7	24.5	25.4	26.3	27.1	28	28.8	29.7	30.6	31.4	32.3	33.1	34
YTO100	L	2110	2210	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510
	Weight(kg)	34	35.2	36.4	37.7	38.9	40.1	41.4	42.6	43.8	45.1	46.3	47.5	48.7	50	51.2

Code	Stroke	3100	3200	3300	3400	3500
YTO60	L	3424	3524	3624	3724	3824
	Weight(kg)	17.8	18.3	18.8	19.3	19.9
YTO80	L	3570	3670	3770	3870	3970
	Weight(kg)	34.9	35.7	36.6	37.4	38.3
YTO100	L	3610	3710	3810	3910	4010
	Weight(kg)	52.4	53.7	54.9	56.1	57.4



Part Number	Effective Stroke (100 mm Inc.)	Motor Mounting Position	Number of Sliders	Reduction Ratio	Motor Brand	Motor Power Output	Brake	Photoelectric Sensor QTY
Code	Slider							
YTO60	No Sign (Standard Slider)	100~3500	D01 D02	S(1 Slider) D(2 Slider)	G3(1:3) G4(1:4)	M(Mitsubishi) P(Panasonic)	10(100W) 20(200W)	N(Without Brake) B(With Brake)
								P1(1 PC) P2(2 PCS)

YTO60—550—D01—S—G3—M—10—N—P1



Discount price

QTY	1~4	5~
Price	100%	Additional quotation



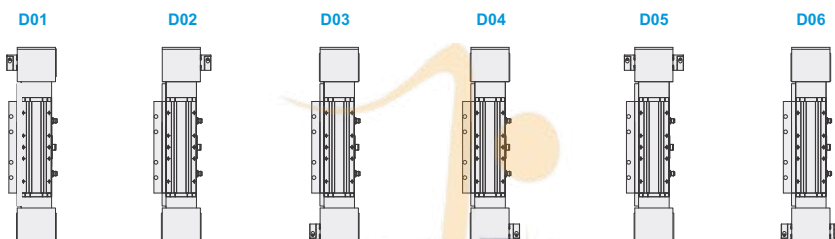
Delivery

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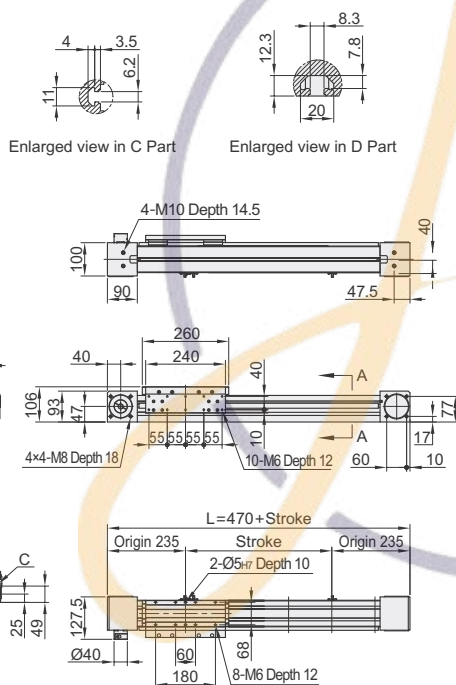
Code	Seat		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YHTO	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	Humidity 85% Temperature -10°C~60°C



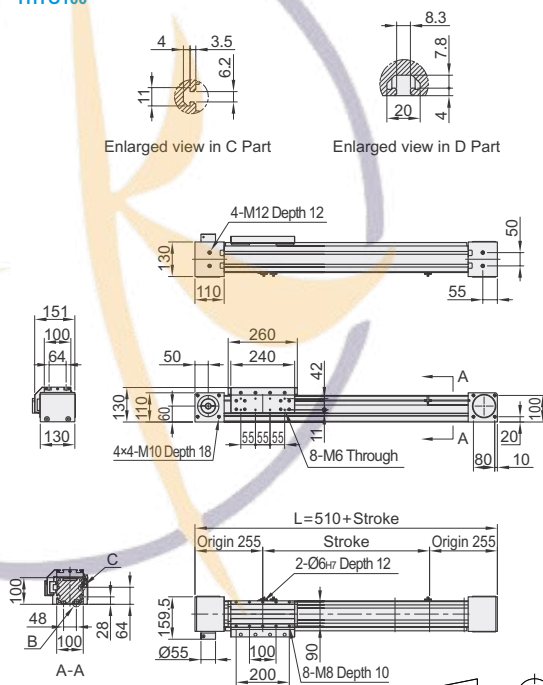
Motor Mounting Position:



YHTO80



YHTO100



The first perspective

Part Number		Effective Stroke (100 mm Inc.)	Motor Mounting Position	Number of Sliders	Reduction Ratio	Motor Brand	Motor Power Output	Brake	Photoelectric Sensor QTY
Code	Slider								
YHTO80 YHTO100	No Sign (Standard Slider)	100 ~ 3400	D01 D02 D03 D04 D05 D06	S (1 Slider) D (2 Slider)	G3 (1:3) G4 (1:4) G5 (1:5) G7 (1:7) G10 (1:10) G0 (No)	M (Mitsubishi) P (Panasonic) Y (Yaskawa) T (Delta)	20 (200W) 40 (400W) 75 (750W) 1K (1000W)	N (Without Brake) B (With Brake)	P1 (1 PC) P2 (2 PCS) P3 (3 PCS) P0 (No)



Part Number	Effective Stroke	Motor Mounting	Number of	Reduction	Motor	Motor	Brake	Photoelectric
Code	Slider	(100 mm Inc.)	Position	Sliders	Ratio	Brand	Power Output	Sensor QTY
YHTO80	No Sign (Standard Slider)	100 ~ 3400	D02	S (1 Slider) D (2 Slider)	G3 (1:3) G4 (1:4)	M (Mitsubishi) P (Panasonic)	20 (200W) 40 (400W)	N (Without Brake) B (With Brake)
								P1 (1 PC) P2 (2 PCS)

YHTO80 — 550 — D01 — S — G3 — M — 20 — N — P1



Discount price	
QTY	Price
1~4	100%
5~	Additional quotation



Delivery
12

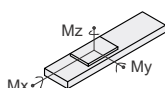
Basic Specification

Code			YHTO80	YHTO100
Technical Parameters	Repetitive Accuracy (mm)		±0.05	
	Pulley Lead (mm)		176	224
	Belt Type		8M-30	8M-50
	Max Speed(mm/s)		5000	
	Max Payload(kg)	Horizontal	100	165
		Vertical	62	105
	Max No-Load Torque(N·m)		0.9	1.4
Max Torque(N·m)		49.8	105.7	
Basic Specification	Standard Stroke(mm)		100~3400(100mm Pitch)	
	Servo Motor Output (W)		200/400/750	750/1000
	High Rigidity Linear Guide		20#×1PC+15#×1PC	25#×1PC+20#×1PC
	Max Outline of Main Engine's Cross Section(mm)		106×122	130×151
	Home Sensor		EE-SX672(NPN)	

❗ Please contact us for OMRON Brand or PNP Sensor.

Allowance Torque Table

Code	YHTO80	YHTO100
Mxd	118N.m	216N.m
Myd	333N.m	765N.m
Mzd	333N.m	765N.m



The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.

Torque conditions:

$$Mx/Mxd + My/Myd + Mz/Mzd \leq 1$$

(Mx, My, Mz are the actual moments in each direction)

Explanation :

1. The actual load shall meet the following conditions:

- Meet the maximum load condition in the "Basic Specification" table.
 - Satisfy the torque condition in the "Allowance 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. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.
5. If the sliding table is used vertically, please choose the belt brake motor.

Dimension Table

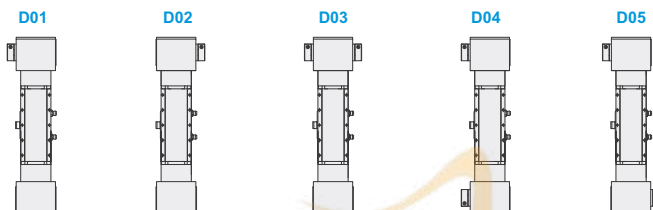
Code	Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
YHTO80	L	570	670	770	870	970	1070	1170	1270	1370	1470	1570	1670	1770	1870	1970	2070	2170
	Weight(kg)	10.4	11.4	12.4	13.4	14.4	15.4	16.4	17.4	18.4	19.4	20.4	21.4	22.4	23.4	24.4	25.4	26.4
YHTO100	L	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010	2110	2210
	Weight(kg)	17	18.2	19.4	20.6	21.8	23	24.2	25.4	26.6	27.8	29	30.2	31.4	32.6	33.8	35	36.2

Code	Stroke	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400
YHTO80	L	2270	2370	2470	2570	2670	2770	2870	2970	3070	3170	3270	3370	3470	3570	3670	3770	3870
	Weight(kg)	27.4	28.4	29.4	30.4	31.4	32.4	33.4	34.4	35.4	36.4	37.4	38.4	39.4	40.4	41.4	42.4	43.4
YHTO100	L	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510	3610	3710	3810	3910
	Weight(kg)	37.4	38.6	39.8	41	43.2	45.4	47.6	49.8	52	54.2	56.4	58.6	60.8	63	65.2	67.4	69.6

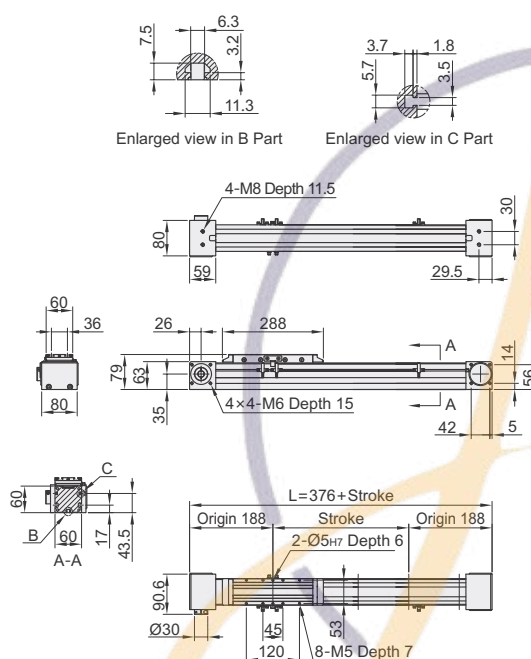


Code	Seat		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YTC	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	Humidity 85% Temperature -10°C~60°C

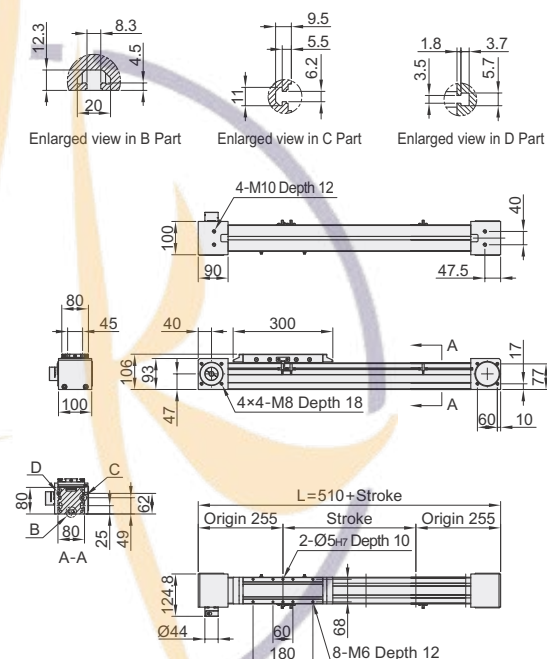
Motor Mounting Position :



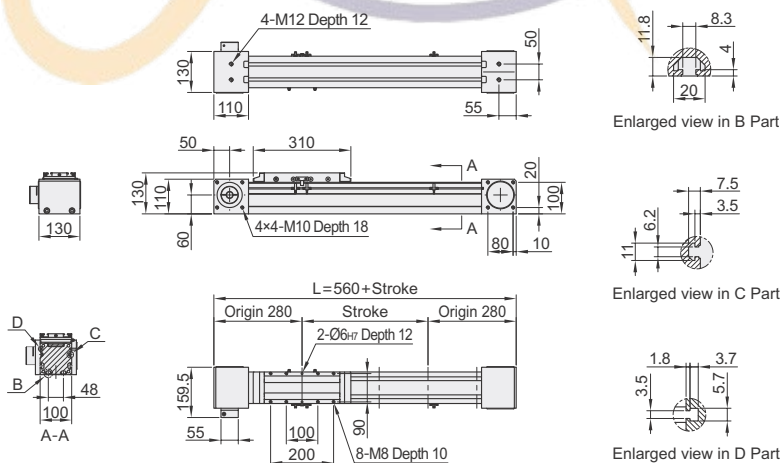
YTC60



YTC80



YTC100



Part Number		Effective Stroke (100 mm Inc.)	Motor Mounting Position	Number of Sliders	Reduction Ratio	Motor Brand	Motor Power Output	Brake	Photoelectric Sensor QTY
Code	Slider								
YTC60	No Sign (Standard Slider)	100 ~ 3500	D01 D02 D03 D04 D05	S(1 Slider) D(2 Slider)	G3(1:3) G4(1:4) G5(1:5) G7(1:7) G10(1:10) G0(No)	M(Mitsubishi) P(Panasonic) Y(Yaskawa) T(Delta)	20(200W) 40(400W) 75(750W) 1K(1000W)	N (Without Brake) B (With Brake)	P1(1 PC) P2(2 PCS) P3(3 PCS) P0(No)
YTC80									
YTC100									

Basic Specification

Code	YTC60	YTC80	YTC100
Repetitive Accuracy (mm)	±0.05		
Pulley Lead (mm)	130	176	224
Belt Type	5M-25	8M-30	8M-50
Max Speed(mm/s)	5000		
Max Payload(kg)	Horizontal	50	80
	Vertical	40	60
Max No-Load Torque(N·m)	0.35	0.5	0.9
Max Torque(N·m)	13.3	49.8	105.7
Standard Stroke(mm)	100~3500(100mm Pitch)		
Servo Motor Output (W)	200/400	400/750	750/1000
High Rigidity Linear Guide	15#×1PC	20#×1PC	25#×1PC
Max Outline of Main Engine's Cross Section(mm)	80×79	100×106	130×130
Home Sensor	EE-SX672(NPN)		

□ Please contact us for OMRON Brand or PNP Sensor.

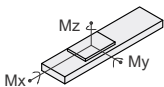
Allowance Torque Table

Code	YTC60	YTC80	YTC100
Mxd	22N.m	75N.m	115N.m
Myd	78N.m	210N.m	310N.m
Mzd	78N.m	210N.m	310N.m

Explanation :

1. The actual load shall meet the following conditions:

- Meet the maximum load condition in the "Basic Specification" table.
- Satisfy the torque condition in the "Allowance Torque Table" if beyond the conditions of use will greatly reduce the life of the slide table.
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.
- If the sliding table is used vertically, please choose the belt brake motor.



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

Dimension Table

Code	Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
YTC60	L	476	576	676	776	876	976	1076	1176	1276	1376	1476	1576	1676	1776	1876
	Weight(kg)	2.8	3.3	3.8	4.3	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	10
YTC80	L	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010
	Weight(kg)	9.4	10.2	11.1	11.9	12.8	13.7	14.5	15.4	16.2	17.1	18	18.8	19.7	20.5	21.4
YTC100	L	660	760	860	960	1060	1160	1260	1360	1460	1560	1660	1760	1860	1960	2060
	Weight(kg)	16.1	17.4	18.6	19.8	21.1	22.3	23.5	24.7	26	27.2	28.4	29.7	30.9	32.1	33.4

Code	Stroke	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
YTC60	L	1976	2076	2176	2276	2376	2476	2576	2676	2776	2876	2976	3076	3176	3276	3376
	Weight(kg)	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15.1	15.6	16.1	16.6	17.1	17.6
YTC80	L	2110	2210	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510
	Weight(kg)	22.3	23.1	24	24.8	25.7	26.6	27.4	28.3	29.1	30	30.9	31.7	32.6	33.4	34.3
YTC100	L	2160	2260	2360	2460	2560	2660	2760	2860	2960	3060	3160	3260	3360	3460	3560
	Weight(kg)	34.6	35.8	37	38.3	39.5	40.7	42	43.2	44.4	45.7	46.9	48.1	49.3	50.6	51.8

Code	Stroke	3100	3200	3300	3400	3500
YTC60	L	3476	3576	3676	3776	3876
	Weight(kg)	18.1	18.6	19.1	19.6	20.2
YTC80	L	3610	3710	3810	3910	4010
	Weight(kg)	35.2	36	36.9	37.7	38.6
YTC100	L	3660	3760	3860	3960	4060
	Weight(kg)	53	54.3	55.5	56.7	58



Please order as shown

Part Number	Effective Stroke (100 mm Inc.)	Motor Mounting Position	Number of Sliders	Reduction Ratio	Motor Brand	Motor Power Output	Brake	Photoelectric Sensor QTY
YTC60	No Sign (Standard Slider)	D01 D02	S(1 Slider) D(2 Slider)	G3(1:3) G4(1:4)	M(Mitsubishi) P(Panasonic)	20(200W) 40(400W)	N(Without Brake) B(With Brake)	P1(1 PC) P2(2 PCS)

YTC60—550—D01—S—G3—M—20—N—P1



Discount price
QTY 1~4 5~
Price 100% Additional quotation

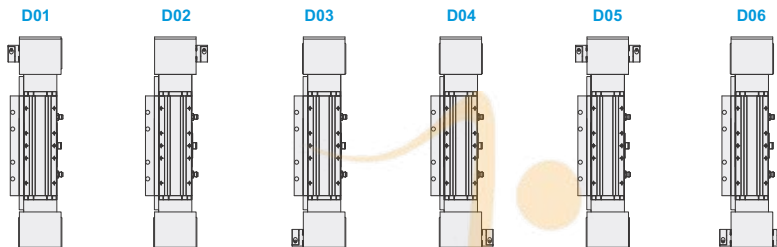


Delivery
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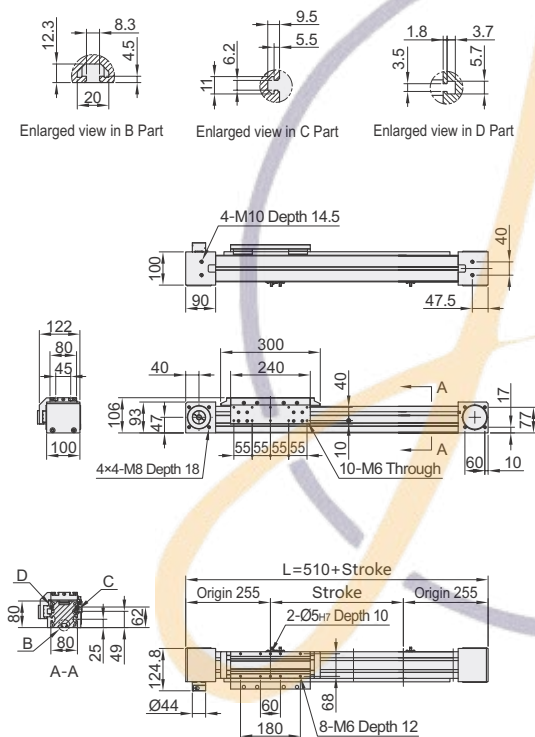
Code	Seat		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YHTC	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	Humidity 85% Temperature -10°C~60°C



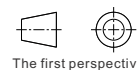
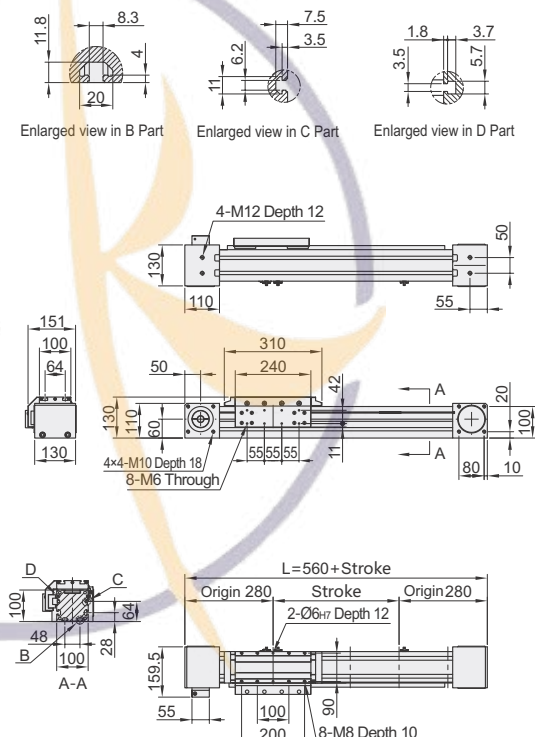
Motor Mounting Position



YHTC80



YHTC100



Part Number		Effective Stroke (100 mm Inc.)	Motor Mounting Position	Number of Sliders	Reduction Ratio	Motor Brand	Motor Power Output	Brake	Photoelectric Sensor QTY
Code	Slider								
YHTC80	No Sign (Standard Slider)	100 ~ 3400	D01	S(1 Slider) D(2 Slider)	G3 (1:3)	M(Mitsubishi) P(Panasonic) Y(Yaskawa) T(Delta)	10(100W) 20(200W) 40(400W) 75(750W) 1K(1000W)	N (Without Brake) B (With Brake)	P1(1 PC)
			D02		G4 (1:4)				P2(2 PCS)
			D03		G5 (1:5)				P3(3 PCS)
			D04		G7 (1:7)				P0(No)
			D05		G10 (1:10)				
			D06		G0 (No)				
YHTC100									



Part Number	Effective Stroke (100 mm Inc.)	Motor Mounting Position	Number of Sliders	Reduction Ratio	Motor Brand	Motor Power Output	Brake	Photoelectric Sensor QTY
YHTC80	100~3400	D02	S(1 Slider) D(2 Slider)	G3(1:3) G4(1:4)	M(Mitsubishi) P(Panasonic)	20(200W) 40(400W)	N(Without Brake) B(With Brake)	P1(1 PC) P2(2 PCS)



QTY	1~4	5~
Price	100%	Additional quotation



Delivery	17
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YHTC80—550—D01—S—G3—M—20—N—P1

Basic Specification

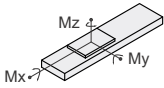
Code			YHTC80	YHTC100
Technical Parameters	Repetitive Accuracy (mm)		±0.05	
	Pulley Lead (mm)		176	224
	Belt Type		8M-30	8M-50
	Max Speed(mm/s)		5000	
	Max Payload(kg)	Horizontal	100	165
		Vertical	62	105
	Max No-Load Torque(N·m)		0.9	1.4
Max Torque(N·m)		49.8	105.7	
Basic Specification	Standard Stroke(mm)		100~3400(100mm Pitch)	
	Servo Motor Output (W)		400/750	750/1000
	High Rigidity Linear Guide		20#×1PC+15#×1PC	25#×1PC+20#×1PC
	Max Outline of Main Engine's Cross Section(mm)		106×122	130×151
	Home Sensor		EE-SX672(NPN)	

□ Please contact us for OMRON Brand or PNP Sensor.

Allowance Torque Table

Code	YHTC80	YHTC100	Explanation :
Mxd	118N.m	216N.m	
Myd	333N.m	765N.m	
Mzd	333N.m	765N.m	

The torque value in the table is dynamic allowable torque based on the running life of sliding table of 10000km.
Torque conditions:
 $Mx/Mxd + My/Myd + Mz/Mzd \leq 1$
(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 "Basic Specification" table.
(b) Satisfy the torque condition in the "Allowance 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. Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.
5. If the sliding table is used vertically, please choose the belt brake motor.

Dimension Table

Code	Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
YHTC80	L	570	670	770	870	970	1070	1170	1270	1370	1470	1570	1670	1770	1870	1970
	Weight(kg)	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7
YHTC100	L	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010
	Weight(kg)	17.6	18.8	20	21.2	22.4	23.6	24.8	26	27.2	28.4	29.6	30.8	32	33.2	34.4

Code	Stroke	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
YHTC80	L	2070	2170	2270	2370	2470	2570	2670	2770	2870	2970	3070	3170	3270	3370	3470
	Weight(kg)	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7
YHTC100	L	2110	2210	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510
	Weight(kg)	35.6	36.8	38	39.2	40.4	41.2	43.4	45.6	47.8	50	52.2	54.4	56.6	58.8	61

Code	Stroke	3100	3200	3300	3400
YHTC80	L	3570	3670	3770	3870
	Weight(kg)	40.7	41.7	42.7	43.7
YHTC100	L	3610	3710	3810	3910
	Weight(kg)	63.2	65.4	67.6	69.8