

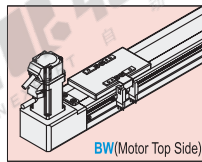
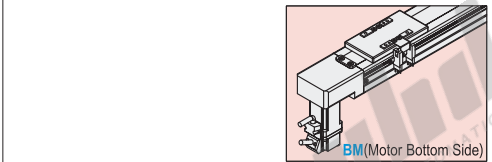
YTB6 Series, Base Width 65 mm

Timing Belt Series, General Environment

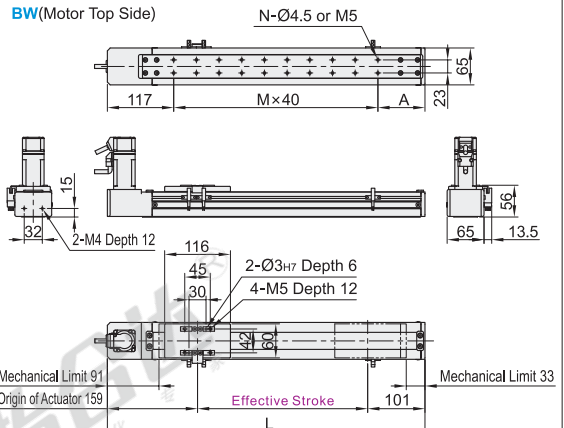
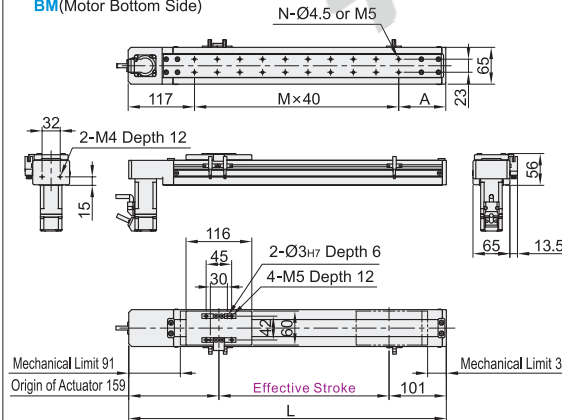
Single Axis Robots

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)



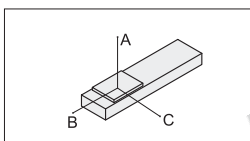
Part Number	Effective Stroke	Motor Position	Motor Brand	Motor Output	Home Sensor	Limit Sensor	Installation Method
Code	Ball Screw Lead	(50 mm Inc.)	Selection				
YTB6	40	100 ~ 800 Non-standard stroke can be customized	BW (Motor Top Side) BM (Motor Bottom Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi) 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)

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)

⚠ Please contact us for OMRON Brand or PNP Sensor.

⚠ Load allowable moment table (unit: mm)



Horizontal installation	A	B	C
5kg	620	65	165
10kg	253	29	73
15kg	126	16	42

Allowable Moment Table

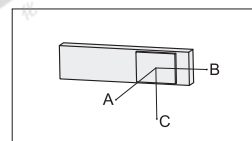
Mxd	75N.m
Myd	80N.m
Mzd	70N.m

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.



Wall-mounted installation	A	B	C
5kg	151	59	582
10kg	66	26	532
15kg	38	15	111

YTB6 Series, Base Width 65 mm ▶

Timing Belt Series, General Environment

Single Axis Robots

Dimension Table

Motor Position	Dimension	Stroke															
		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	
BM (Motor Bottom Side)	N	10	12	16	18	20	22	26	28	30	32	36	38	40	42	46	
	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.



Please order as shown

Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor	Installation Method
Code	Ball Screw Lead							
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) O(Oppo Site Motor Side)	Out Side 3(1 Pc) 4(2 Pcs)	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