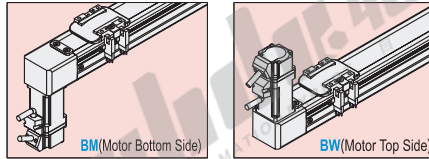


# Single Axis Robots

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

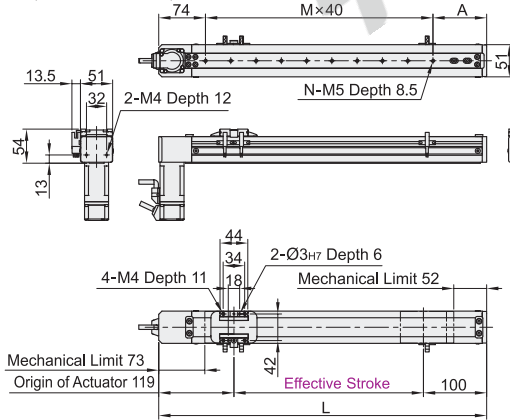
Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YTB5	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	Anodize	Aluminum Alloy	Anodize	0~40°C 35~85%RH No Condensation

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

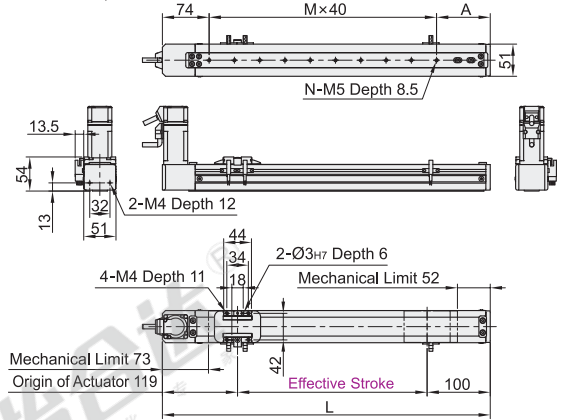


Motor Position :

**BM** (Motor Bottom Side)



**BW** (Motor Top Side)



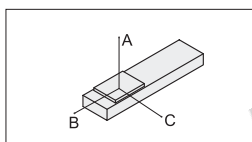
Part Number	Effective Stroke	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead	(50 mm Inc.)				
YTB5	32	100 ~ 800 Non-standard stroke can be customized	<b>BW</b> (Motor Top Side) <b>BM</b> (Motor Bottom Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi) T (Delta) H (Inovance) L (Leadshine)	42 (42 Stepping) <b>!</b> 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	
Effective Stroke (mm)	100~800 (50mm Pitch)		
Parts	Belt Width (mm)	9	
	Linear Guide Rail	24x8.5 Single Branch, Single Slide Block	
	Home Sensor	Out Side	EE-SX672 (NPN)
	In Side	—	

**!** Please contact us for OMRON Brand or PNP Sensor.

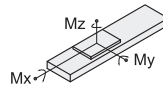
**!** Load allowable moment table (unit: mm)



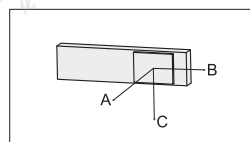
Horizontal installation	A	B	C
2kg	323	61	112
3kg	209	39	72

### Allowable Moment Table

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



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



Wall-mounted installation	A	B	C
2kg	105	57	303
3kg	67	36	195

# Single Axis Robots

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

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	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
BM (Motor Bottom Side)	M	4	5	7	8	9	10	12	13	14	15	17	18	19	20	22
	N	5	6	8	9	10	11	13	14	15	16	18	19	20	21	23
Bottom Side	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 (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Home Sensor	Limit Sensor
Code	Ball Screw Lead						
YTB5	32	100~800	BW (Motor Top Side) BM (Motor Bottom Side)	P (Panasonic) Y (Yaskawa) M (Mitsubishi)	42 (42 Stepping) 10 (100W Servo)	Out Side C (Motor Side) D (Opposite Motor Side)	Out Side 3 (1 Pc) 4 (2 Pcs)
	40						

YTB5-40-550-BM-M-10-C-4



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



Delivery  
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