

Linear Electric Actuator

Series AEMS

Cat :

Electric Ball Screw Type Mini Slide - 64.5mm

Features

- ❑ Compact structure, Small size
- ❑ Easy assemble
- ❑ Straightness $\pm 0.02\text{mm}$
- ❑ Rigidity higher, better fluency for mainframe
- ❑ Higher accuracy & less noisy than pneumatic cylinder

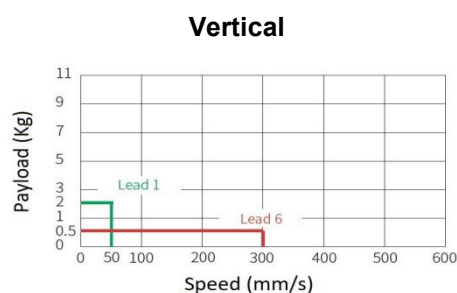
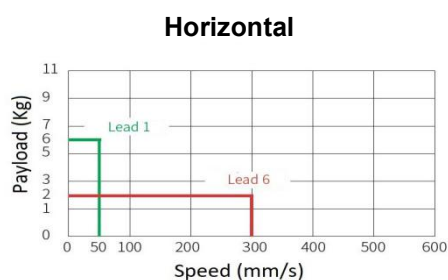


Technical Specifications

Repeatability (mm)		± 0.02	
Ball screw lead (mm)		1	6
Maximum speed (mm/s)	Horizontal	≤ 50	≤ 300
	Vertical	≤ 50	≤ 300
Maximum payload	Horizontal (Kg)	≤ 6	≤ 2
	Vertical (Kg)	≤ 2	≤ 0.5
Rated thrust (N)		466	75
Stroke / pitch (mm)		30 / 50	
Motor dimension (mm)		□ 25	
Ball screw spec.		C10 $\varnothing 6\text{mm}$	

*The maximum speed shown here is when software speed setting is 100%

Speed-Payload Curve Diagram



Controller Chart

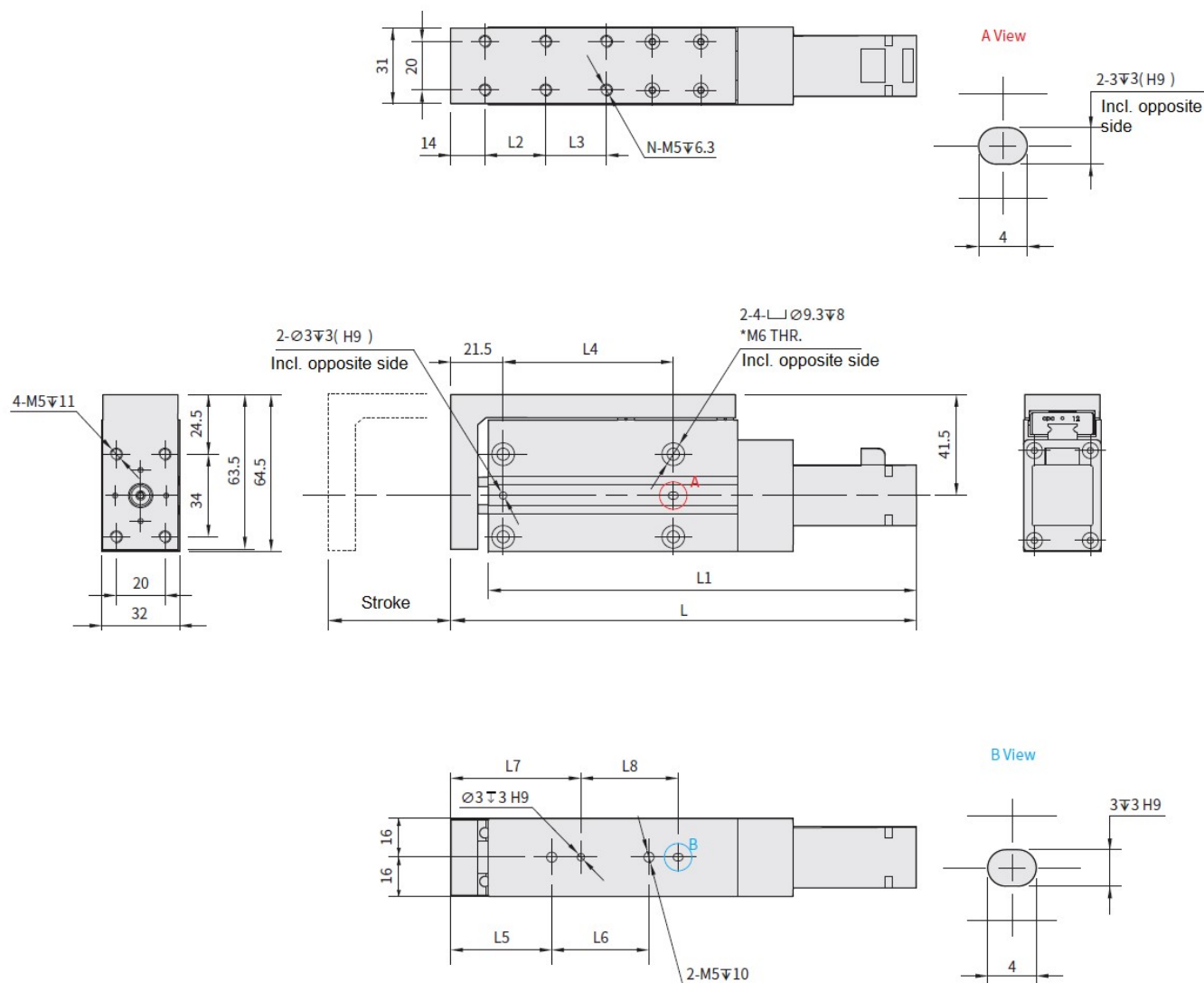
Controller	Controller model	Controller mode	Features	Electrical specification
	JC100	Pulse control Mode	Support line driver and open controller max. pulse receiving speed 200k/60k Hz	The voltage of control circuit is 24V. Operating voltage DC24V, rated current 2A, peak current 3A.
		IO control mode	By IO Control, max.127 position points, can be executed.	Operating voltage DC48V, rated current 1A, peak current 2A.
		Communication control mode	Use Mod bus as the interface of RS485(Connect max.16 controllers) and 1 set mini USB	When the voltage is DC48V but same torque, the rotation speed will be raised.

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Stroke	N	L	L1	L2	L3	L4	L5	L6	L7	L8	Weight(g)*
30	4	171.5	156	30	0	40	31.5	30	43.5	30	724
50	6	191.5	176	25	25	70	41.5	40	53.5	40	840

*Weight including with motor

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How to order

AEMS645							
Size		Lead		Stroke		Motor Position	
645	64.5mm	01	1mm	0030	30mm	D	Direct
		06	6mm	0050	50mm		
Motor Specification		Motor & Encoder Cable		I/O Cable			
Step - Servo		1	1m	A	1.5m (Standard)		
S	Step - Servo	3	3m				
		5	5m				
		T	10m				

Example :

Order no. for Electric ball screw type mini slide 64.5mm size, 6mm Lead, 50mm stroke, step servo motor mounted at direct with 3m Motor & Encoder cable and 1.5m I/O cable.

AEMS645060050D-S-3A