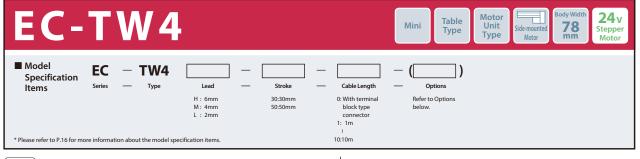
EC ELECYLINDER



CE RoHS Vertical Horizontal Side

Ceiling * Depending on the model, there may be some limitations to using the vertical, side, and ceiling mount positions. Please contact IAI for more information regarding mounting positions.

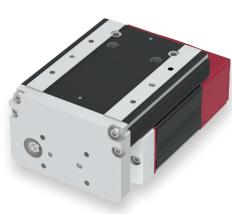


Table of Payload by Speed/Acceleration

Lead 6					
Orientation	Horiz	ontal	Ver	tical	
Speed (mm/s)	Acceleration (G)				
	0.3	0.5	0.3	0.5	
0	2.5	2.5	1	1	
300	2.5	2.5	1	1	

Lead 4 Orientation Horizontal Vertical Acceleration (G) Speed (mm/s) 0.3 0.5 0.3 0.5 0 4 4 1.5 1.5 200 4 4 1.5 1.5

Lead 2 Orientation Horizontal Vertical

	Unentation	HONZONIA	vertical
	Speed (mm/s)	Accelera	ation (G)
(mm/s)	0.3	0.3	
	0	8	2.5
	100	8	2.5



(1) The maximum acceleration/deceleration is 0.3G for lead 2 and 0.5G for leads 4, 6. (2) When performing push-motion operation, refer to P.65.

Actuator Specifications							
Lead and Payload					Stroke and Max Speed (Uni		
Model number	Lead	Max. payload		Max. push	Lead	30	50
Model Humber	(mm)	m) Horizontal (kg) Vertical (kg) force (N)* (n	(mm)	(mm)	(mm)		
EC-TW4H-①-②(-③)	6	2.5	1	30	6	300	
EC-TW4M-11-2(-3)	4	4	1.5	45	4	200	
EC-TW4L-①-②(-③)	2	8	2.5	90	2	100	
Legend: ① Stroke ② Cable Length ③ Option *Speed limitation applies to push motion. See the manual or contact IAI.							

① Stroke	
① Stroke (mm)	EC-TW4
30	0
50	0

2 Cable Length		
Cable code	Cable length	
0	No cable (with connector)	
1~3	1~3m	
4~5	4~5m	
6~10	6~10m	

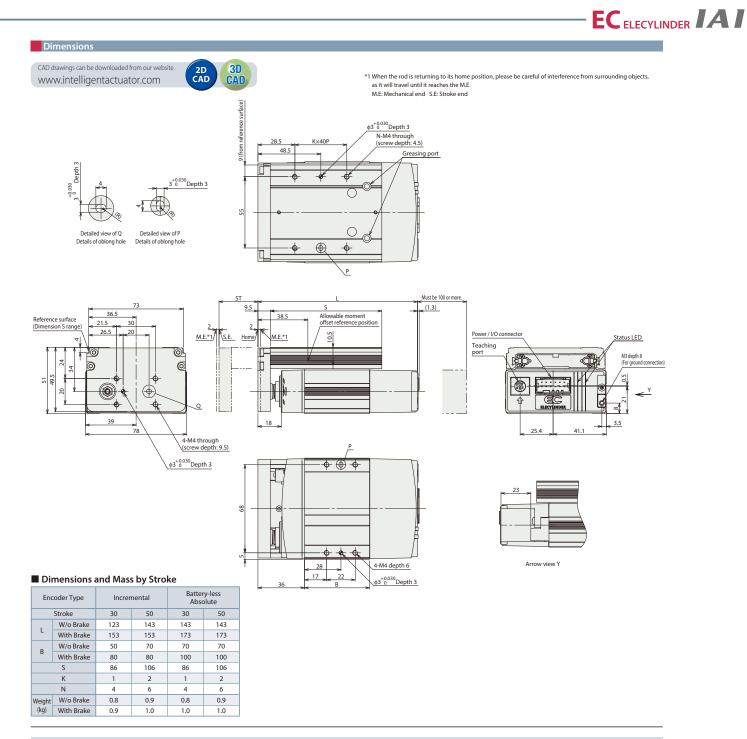
③ Options		
Name	Option code	Reference page
Brake	B	See P.59
Non-motor end specification	NM	See P.62
PNP specification	PN	See P.62
Battery-less Absolute Encoder specification	WA	See P.62
Wireless communication specification	WL	See P.62

Actuator Specifications			
ltem	Description		
Drive system	Ball screw ø6mm, rolled C10		
Positioning repeatability	±0.05mm		
Table/frame	Material: Aluminum, black alumite treatment		
Allowable static moment	Ma direction: 8.3N·m, Mb direction: 8.3N·m, Mc direction: 26.3N·m		
Allowable dynamic moment (*)	Ma direction: 5.4N·m, Mb direction: 5.4N·m, Mc direction: 17.2N·m		
Ambient operating temperature/humidity	0 to 40°C, 85% RH or less (Non-condensing)		
Service life	5,000km or 50 million cycles		

· Overhang load length guideline:

Ma direction: 100mm or less in the table top direction, 50mm or less in the table tip direction Mb/Mc direction: 120mm or less

(*) For reference rated life of 5,000km. The service life differs according to operation conditions and mounting status. Contact IAI to check the service life.



Name	Touch Panel Teaching Pendant	PC software	24VDC power supply	
External view				
Model	☐ TB-02 (for wired connection only) ☐ TB-03 (for wired/wireless connection)	□ RCM-101-MW (RS232 connection version) □ RCM-101-USB (USB connection version)	□ PS-241 (100V input) □ PS-242 (200V input)	
Overview	 TB-02 A teaching pendant equipped with functions such as start point, end point, and AVD input, trial operation, and monitoring. TB-03 A data setter that supports wireless connection. The start point, end point and AVD can be input with wireless connection. 	Software for start point input, end point input and AVD input, trial operation, and monitoring using a PC. Both the RS232C version and USB version are available for PC connection.	A 24VDC power supply that can instantaneously output up to 17A. Input voltage 200VAC and 100VAC specifications are available.	