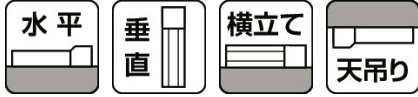


EC-TC3

Installation position



- Catalog PDF
- Instruction manual PDF
- 2D CAD drawings
- Parametric CAD Drawings
- Request information



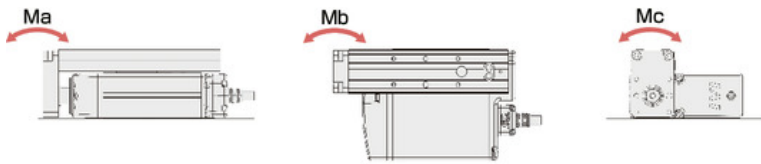
(Note) The photo above shows the table left mounting specification (GT4).

[Dimensions](#) [Selection considerations](#) [Adaptive Controller](#)

Main Specifications

Specification 1		Specification 2			
item		Contents			
	Lead	Ball screw lead (mm)	6	4	2
Horizontal	Payload capacity	Maximum payload (kg)	1.5	3	6
		Speed/Acceleration	Maximum speed (mm/s)	300	200
		Minimum speed (mm/s)	8	5	3
		Rated acceleration/deceleration (G)	0.3	0.3	0.3
		Maximum acceleration/deceleration (G)	0.3	0.3	0.3
vertical	Payload capacity	Maximum payload (kg)	0.5	1	2
		Speed/Acceleration	Maximum speed (mm/s)	200	150
		Minimum speed (mm/s)	8	5	3
		Rated acceleration/deceleration (G)	0.3	0.3	0.3
		Maximum acceleration/deceleration (G)	0.3	0.3	0.3
Pressing		Maximum thrust when pressing (N)	14	twenty one	42
		Maximum pressing speed (mm/s)	20	20	5
brake		Brake Specifications	Non-excitation electromagnetic brake		
		Brake holding force (kgf)	0.5	1	2
stroke		Minimum stroke (mm)	30	30	30
		Maximum stroke (mm)	50	50	50
		Stroke pitch (mm)	20	20	20

Table type moment direction



▶ Payload table by speed/acceleration

Standard grease specifications. The unit of payload is kg. Blank spaces indicate that the product cannot be operated.

Lead 6	Lead 4	Lead 2	
posture	Horizontal		vertical
speed	Acceleration (G)		
(mm/s)	0.3		0.3
0	1.5		0.5
50	1.5		0.5
100	1.5		0.5
150	1.5		0.2
200	1.5		0.2
250	1		
300	0.2		

If the ambient temperature is below 5° C, use the product at or below the speeds listed below.

- Lead 6: 200mm/s or less
- Lead 4: 150mm/s or less
- Lead 2: 50mm/s or less

Food grade grease specifications. The unit of payload is kg. Blank spaces indicate that the product cannot be operated.

Lead 6	Lead 4	Lead 2	
posture	Horizontal		vertical
speed	Acceleration (G)		
(mm/s)	0.3		0.3
0	1.5		0.5
50	1.5		0.5
100	1.5		0.5
150	1.5		0.2
200	1		

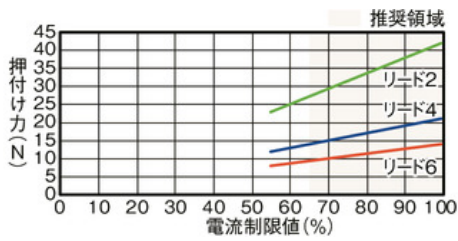
▶ Stroke and maximum speed

(Unit: mm/s)

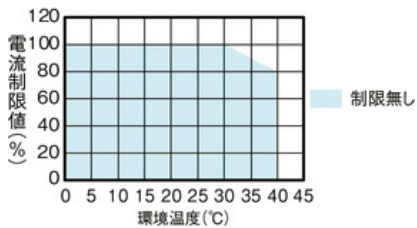
Lead (mm)	30 (mm)	50 (mm)
6	300<200>	
4	200<150>	

(Note) Values in < > are for vertical use.

Correlation diagram between pressing force and current limit value



Precautions when performing pressing operation



During high thrust pressing operations in high temperature environments, please use within the limits shown in the graph.

Adaptive Controller

(Note) The EC series has a built-in controller. For details on the built-in controller, see page [2-769](#).

International Standards



Selection considerations

選定上の注意



- (1) The payload in the "Main Specifications" is the maximum value. For details, refer to the "Payload Capacity by Speed and Acceleration Table."
- (2) When performing a push operation, refer to the "Correlation Diagram of Push Force and Current Limit Value." The push force is a guideline value.
- (3) Be sure to select the option symbol from the option price list for the table mounting direction.
- (4) The guideline for the overhang load length is 50 mm or less in the Ma, Mb, and Mc directions. For details on the overhang load length, see the expl

Dimensions

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ST: Stroke

ME: Mechanical end

SE: Stroke end

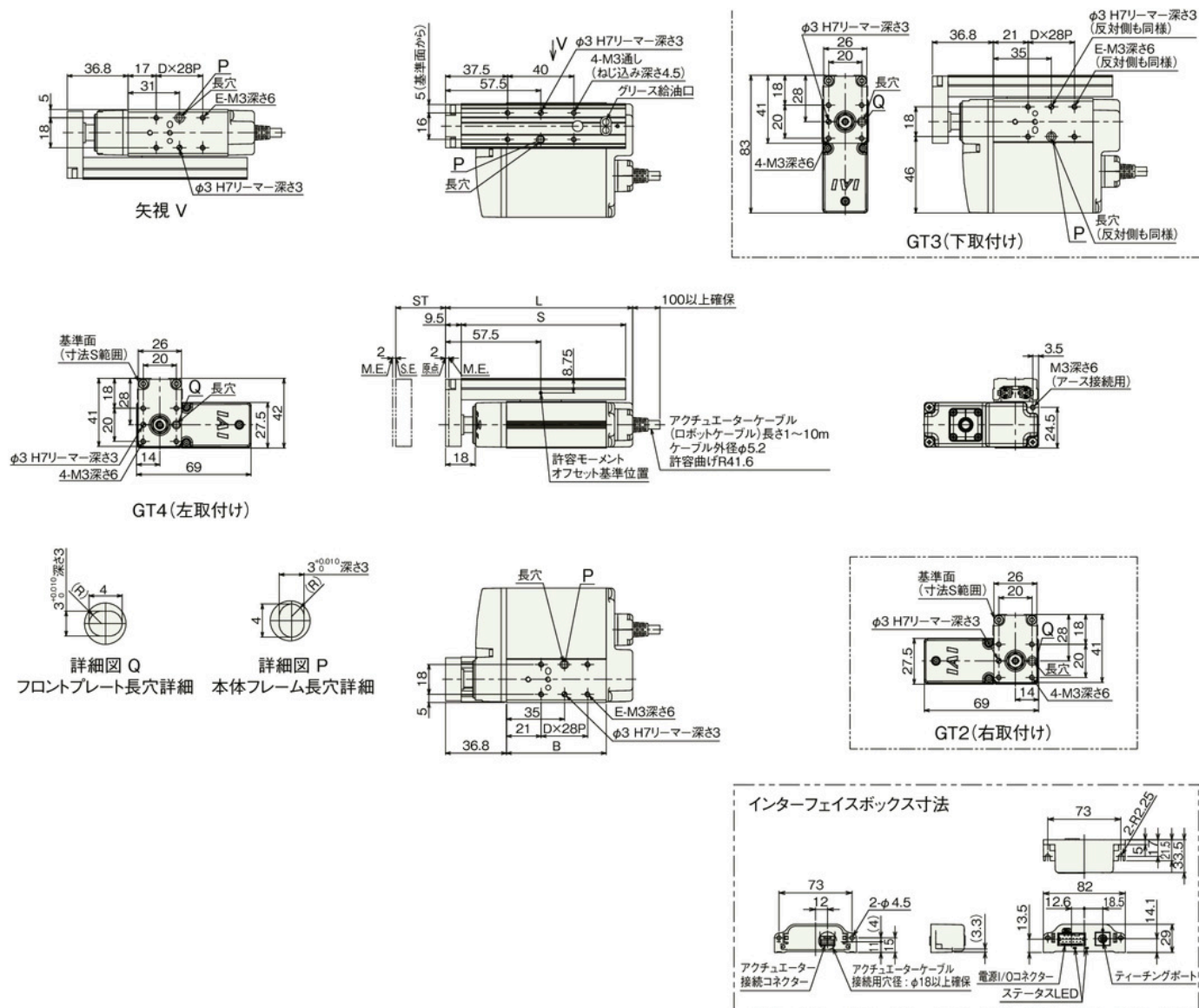
(Note) When performing a return to origin, the rod moves to the ME, so be careful not to let it interfere with surrounding objects.

Note: Make sure to secure the cable so that the base of the cable does not move.

The cable can be separated and replaced (connected via the connector inside the cable box).

The standard direction for the actuator cable to exit is from the rear.

The cable exit direction (optional) can be changed by changing the direction of the cable box.



Stroke dimensions

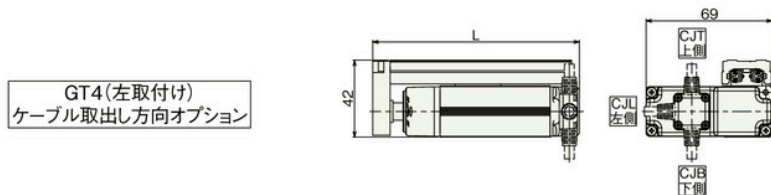
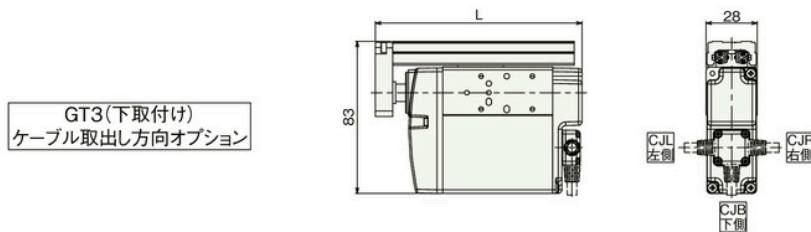
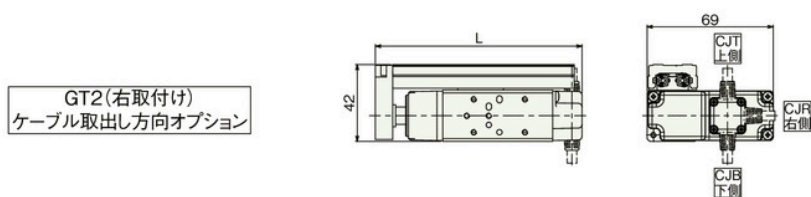
		stroke	30	50
L	No brakes		113	133
	With brake		158	158
B	No brakes		60.2	80.2
	With brake		105.2	105.2
D	No brakes		1	1

	With brake	2	2
E	No brakes	4	4
	With brake	6	6
S		99.2	119.2

Mass by stroke

	stroke	30	50
Mass (kg)	No brakes	0.46	0.52
	With brake	0.63	0.65

❖ Cable exit direction option (optional)



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