

Features

- Reducing the length from installation side to surface of slide to save space.
- Using servo stepper motor to enhance accuracy by driving timing belt with minimum pitch.
- Using four linear ball bearings to sustain the load of slide and maintain stable and smooth motion.
- Integrate the controller into stepper motor and it has memory function for programming.
- Three-phase stepper motor: incremental type 10000P/R, including 3 input, 2out.
- All in one: program control mode, pulse control mode and terminal control mode.

Specification

Model	MEAT
Tube I.D. (mm)	25
Bearing	Linear ball bearings
Velocity	48~1000 mm/s
Horizontal load	5 kg
Repeatability	± 0.1 mm
Ambient temperature	+5°C~ +40°C

* Please reserve 5cm space around the installation slide for maintenance purpose.

Table for standard stroke

Tube I.D.	Stroke (mm)	Max. stroke
25	100,200,300,400,500,600,700	750

* Minimum stroke unit 1mm.

* Please consult us if stroke out of specification.

Order example

MEAT — 25 — 200 — 1

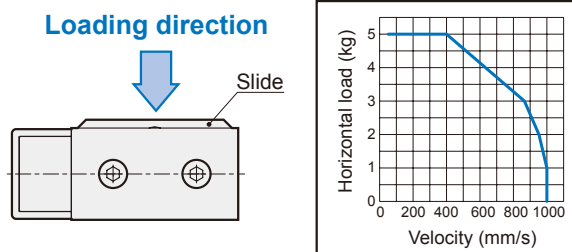
MODEL

TUBE I.D.

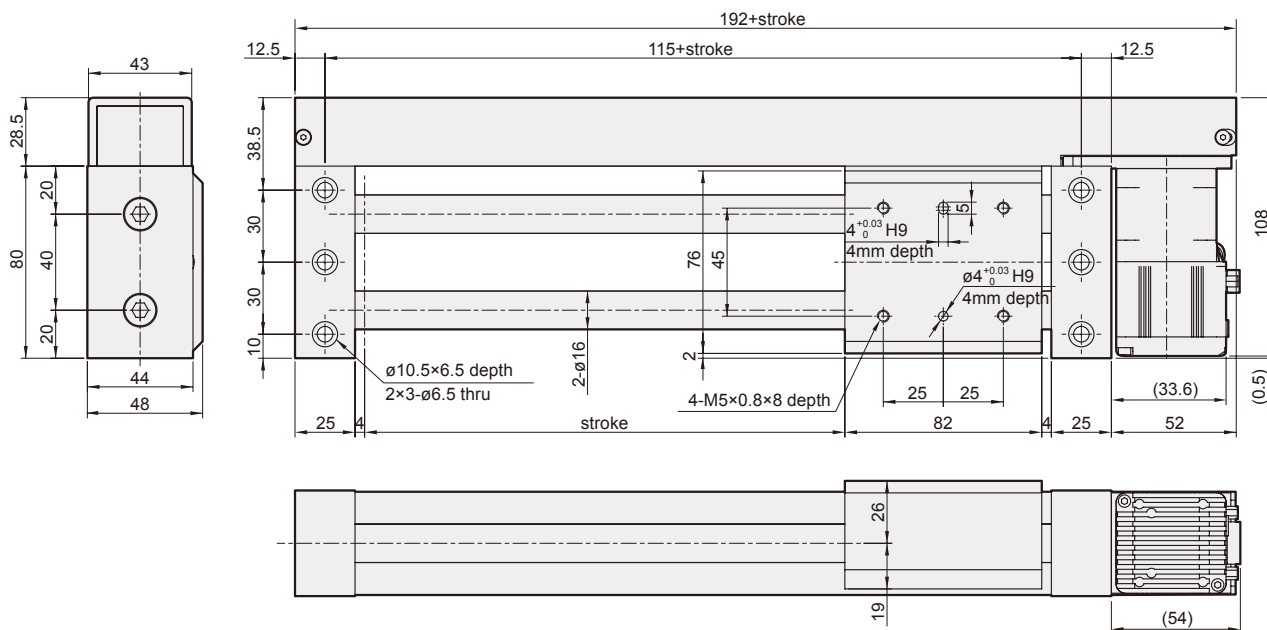
STROKE

Blank: Standard
1: With I/O card
(Should be ordered alone
EAT-1: Expansion I/O card)

Velocity-Horizontal load



Dimensions

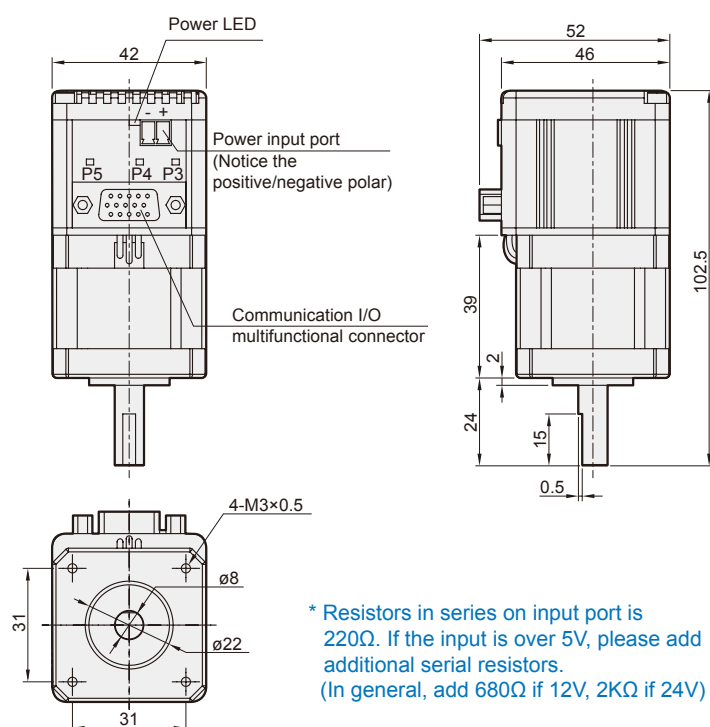


Specification

Motor size		Servo type three-phase stepper motor
Power		DC 24V
Rated current / Max. instant current		4A / 6A
Rated torque		0.25 N.m
Cooling type		Natural cooling
Resolution encoder		Incremental type 10000 resolution/per cycle
Control mode		Position, terminal control, Modbus communication control
Position control	Max input pulse frequency	Differential Signaling: Below 500K PPS, Open Collector Signaling: 200K PPS
	Pulsed mode	CW/CCW, Pulse/DIR
	Smoothing filter	Cushion, Trapezoidal velocity profile acceleration /deceleration
	Electronic gear ratio	Electronic gear ratio (A/B) > 1/9999, A/B < 9999
	Registration complete check	0 ~ 999 Pulse
Terminal control	Internal operation instruction	Executing movement command from Windows Terminal
	Scripts edit control	Program input point, programmable set external INPUT ON/OFF signal for positioning.
Interface		RS232(for Windows Terminal) / RS485 / Modbus
JOG function		Run manually(The speed is according to the parameter of configuration)
Brake function		Output the control signal of Z-Axis brake, according to the servo ON/OFF status.
Abnormal function		Servo control stop, positive / negative turn actuation restricted
Protective device		Over current, over voltage, over temperature, encoder abnormal, low voltage, input pulse over limit, follow abnormal detection.
Input signal		Servo control ON/OFF, zero point signal, pulse control signal.
Output Signal		Servo control ready (Z axis brake control signal), location complete, actuation abnormal output (parameter setting).

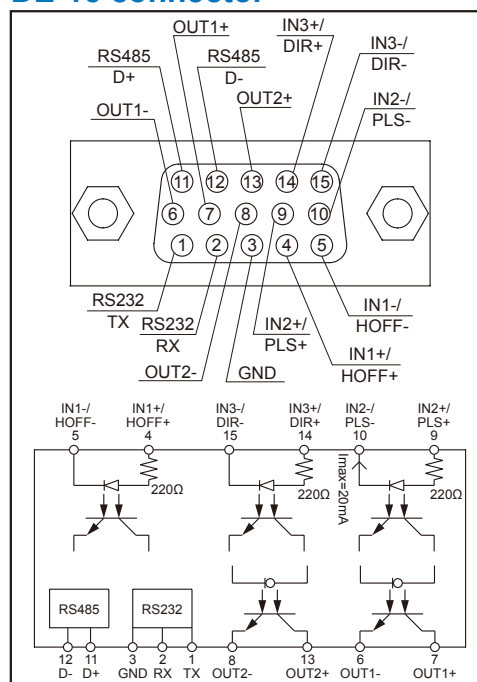
* Recommend installation environment: Places without moisture, oily dusty, corrosive and flammable liquid. Without floating dusty and metallic particle. Firm and static places without electrical interference, megathermal equipment.

Dimensions

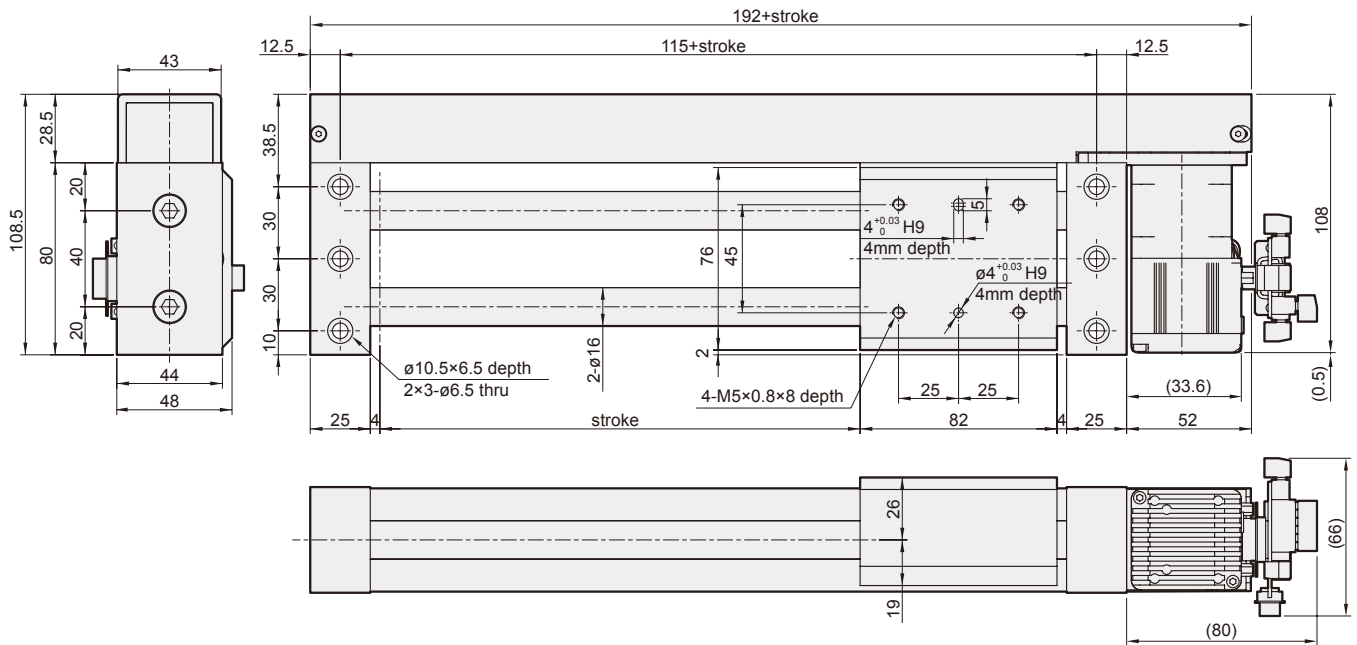


* Resistors in series on input port is 220Ω. If the input is over 5V, please add additional serial resistors.
(In general, add 680Ω if 12V, 2KΩ if 24V)

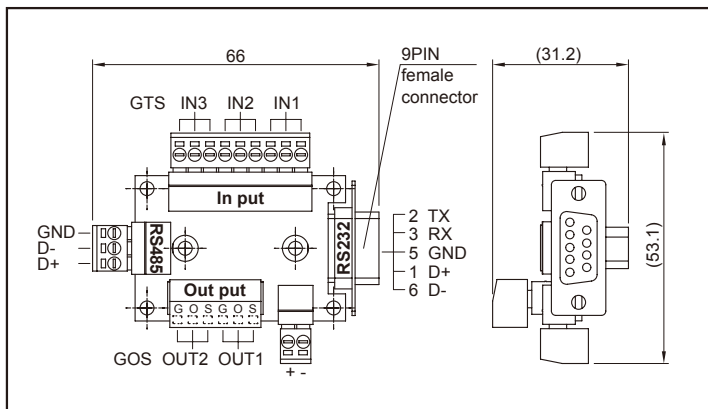
Definition of three-row 15pin DE-15 connector



Dimensions(Including expansion I/O card)



Expansion I/O card



* When in control mode, all inputs/outputs are not defined and should be defined by program. (I/O card is optional)

Order example

EAT — 1

Expansion I/O card

Outputs/inputs circuit diagram

