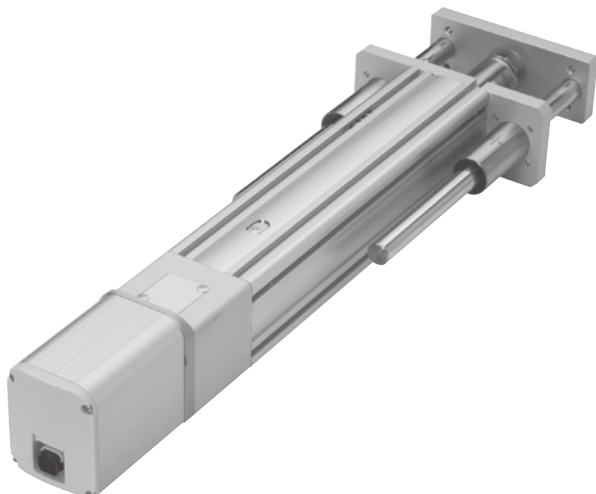


MEQYC-50D series

ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITH MOTOR)



Mindman



Specification

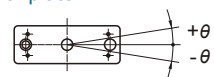
Model	MEQYC-50D	
Repeatability (mm)	±0.01	
Ball screw lead (mm)	5	10
Maximum speed (mm/s) (*1)	250	500
Maximum payload	Horizontal (kg)	30
	Vertical (kg)	15
Rated thrust (N)	565	283
Stroke / pitch (mm) (*2)	50~300 / 50 Pitch	
Motor dimension (mm)	□42	
Ball screw spec (mm)	C7ø12	
Anti-rotating accuracy (θ) (*3)	±0.05°	

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

*2. When the stroke is over 200mm, the run-out of the ball screw will occur.

We recommend to low down the working speed under this circumstances.

*3. Anti-rotating accuracy of plate



Order example of cylinder

MEQYC-50D — L05 — 100 — M — TC100 — 03 — A0001

Model

Spec.

Special order no.

Ball screw brand

L T-Standard MIT

Ball screw lead

05	5 mm
10	10 mm

Stroke

50~300 mm
50 mm pitch

Motor position

M	Built-in
BM	On lower side
BW	On upper side

Corresponding controller

TC100
* Please refer to 4-118.

Cable length

01	1 m
03	3 m
05	5 m
10	10 m

* Standard: 3 m

Order example of controller

TC100 — 03

Controller

TC100

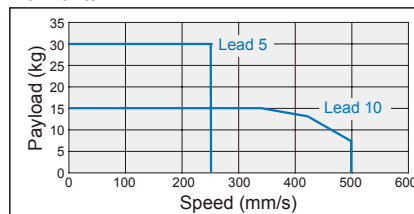
Cable length

Blank	No cable
01	1 m
03	3 m
05	5 m
10	10 m

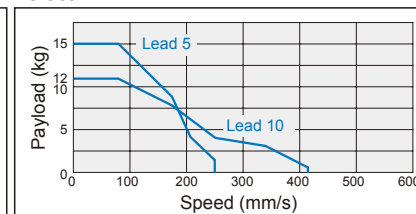
* Standard: 3 m

Speed-payload curve diagram

Horizontal



Vertical



MEQYC-50D Dimensions

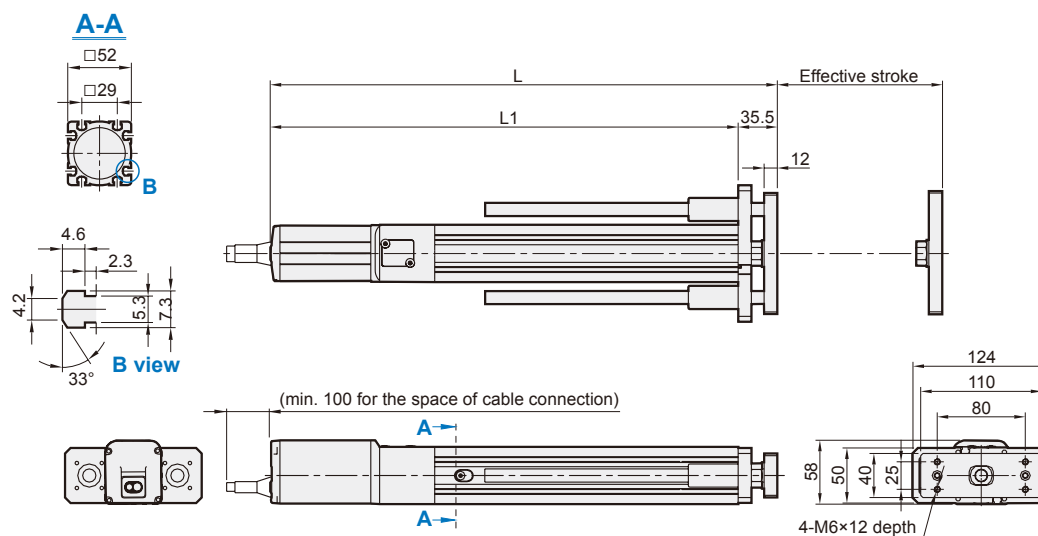
ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITH MOTOR)



Mindman

M

Motor
built-in

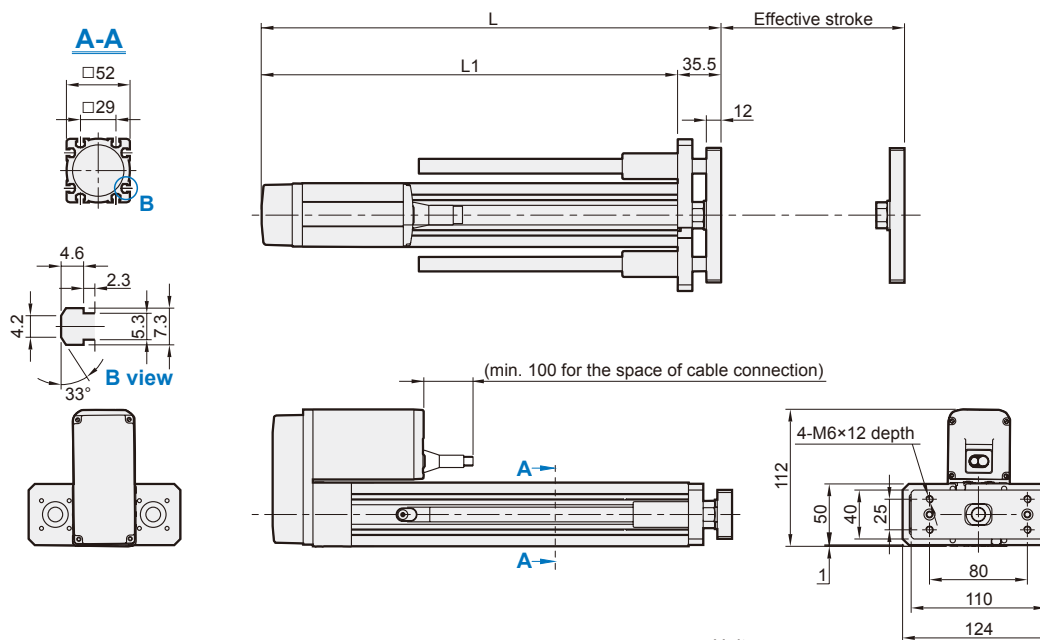


Unit: mm

Stroke	50	100	150	200	250	300
L	358.5	408.5	458.5	508.5	558.5	608.5
L1	323	373	423	473	523	573
KG	3.43	3.68	3.94	4.2	4.47	4.64

BW

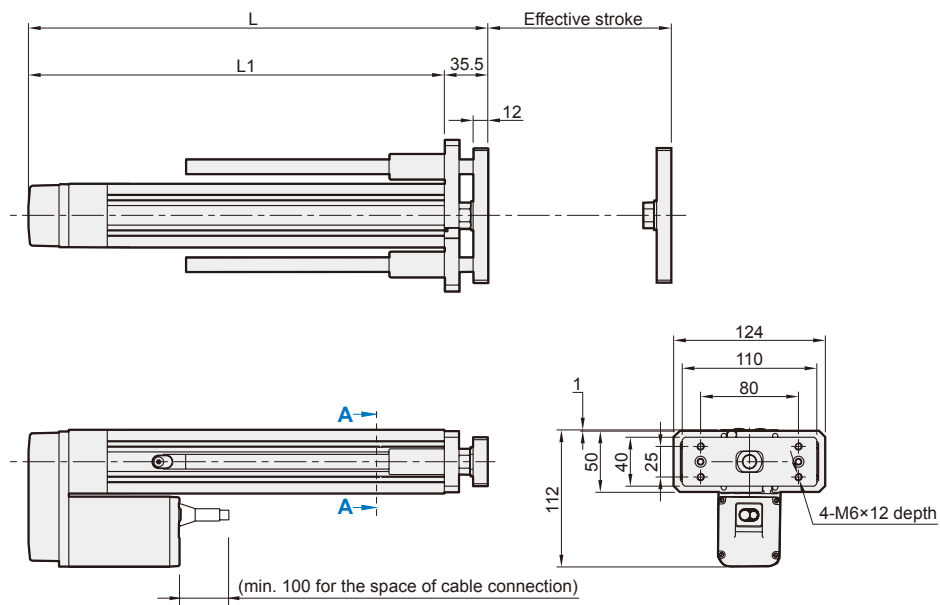
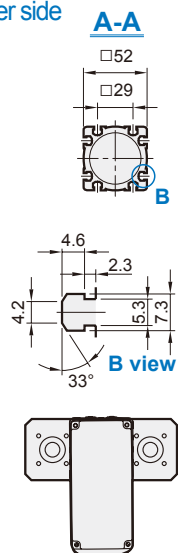
Motor on
upper side



Unit: mm

Stroke	50	100	150	200	250	300
L	260.5	310.5	360.5	410.5	460.5	510.5
L1	225	275	325	375	425	475
KG	3.92	4.18	4.44	4.7	4.97	5.14

Motor on
lower side



Unit: mm

Stroke	50	100	150	200	250	300
L	260.5	310.5	360.5	410.5	460.5	510.5
L1	225	275	325	375	425	475
KG	3.92	4.18	4.44	4.7	4.97	5.14