

# MEQYC-65 series

## ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITH MOTOR)



Mindman



### Specification

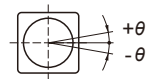
Model	MEQYC-65			
Repeatability (mm)	±0.01			
Ball screw lead (mm)	5	10	20	
Maximum speed (mm/s) (*1)	250	500	1000	
Maximum payload	Horizontal (kg)	110	88	40
	Vertical (kg)	30	20	10
Rated thrust (N)	791	395	197	
Stroke / pitch (mm) (*2)	50~500 / 50 Pitch			
Motor dimension (mm)	□56			
Ball screw spec (mm)	C7ø16			
Anti-rotating accuracy (θ) (*3)	±1°			

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

\*2. When the stroke is over 300mm, the run-out of the ball screw will occur. We recommend to low down the working speed under this circumstances.

\*3. Avoid using the electric actuator in such a way that rotational torque would be applied to the piston rod. This may cause deformation of the anti-rotating guide, abnormal responses of the auto switch, play in the internal guide or an increase in the sliding resistance.

Anti-rotating accuracy of rod



### Order example of cylinder

**MEQYC-65 - 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
20	20 mm

Stroke

50~500 mm  
50 mm pitch

Motor position

M	Built-in
BM	On lower side
BW	On upper side
BR	On right side
BL	On left 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

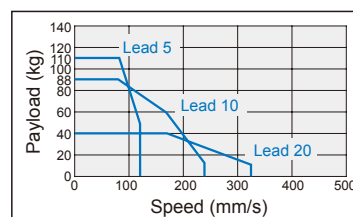
Cable length

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

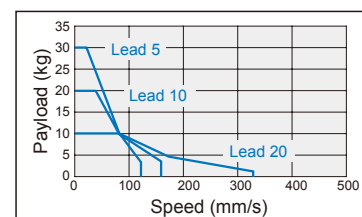
\* Standard: 3 m

### Speed-payload curve diagram

Horizontal



Vertical

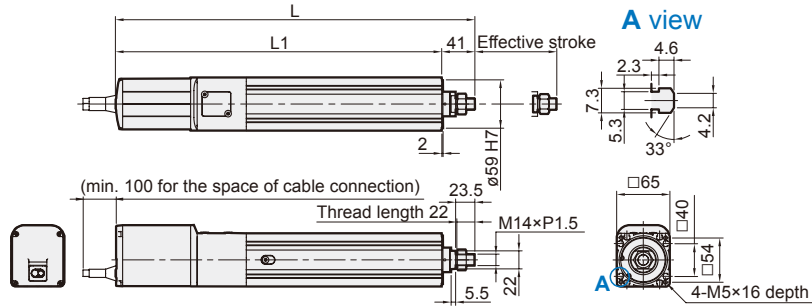


# MEQYC-65 Dimensions

## ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITH MOTOR)



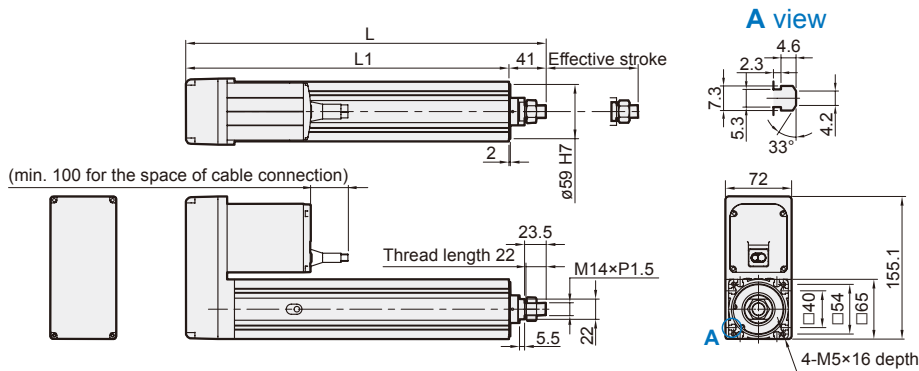
**M**  
Motor  
built-in



Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500
<b>L</b>	389	439	489	539	589	639	689	739	789	839
<b>L1</b>	348	398	448	498	548	598	648	698	748	798
<b>KG</b>	4	4.26	4.52	4.78	5.03	5.29	5.55	5.81	6.07	6.32

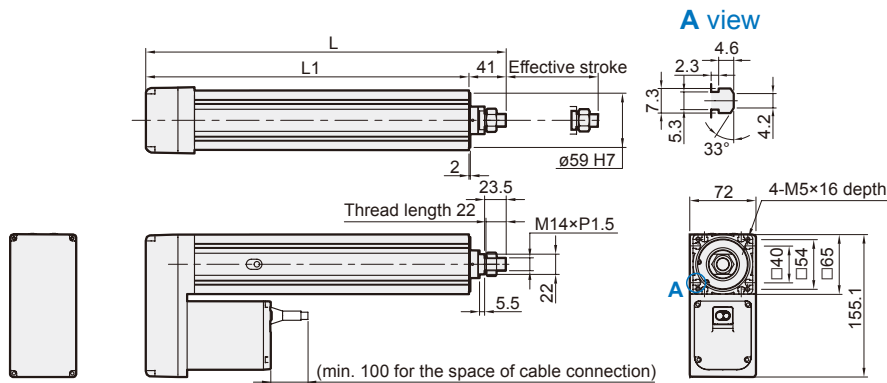
**BW**  
Motor on  
upper side



Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500
<b>L</b>	282	332	382	432	482	532	582	632	682	732
<b>L1</b>	241	291	341	391	441	491	541	591	641	691
<b>KG</b>	5	5.26	5.52	5.78	6.03	6.29	6.55	6.81	7.07	7.32

**BM**  
Motor on  
lower side



Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500
<b>L</b>	282	332	382	432	482	532	582	632	682	732
<b>L1</b>	241	291	341	391	441	491	541	591	641	691
<b>KG</b>	5	5.26	5.52	5.78	6.03	6.29	6.55	6.81	7.07	7.32

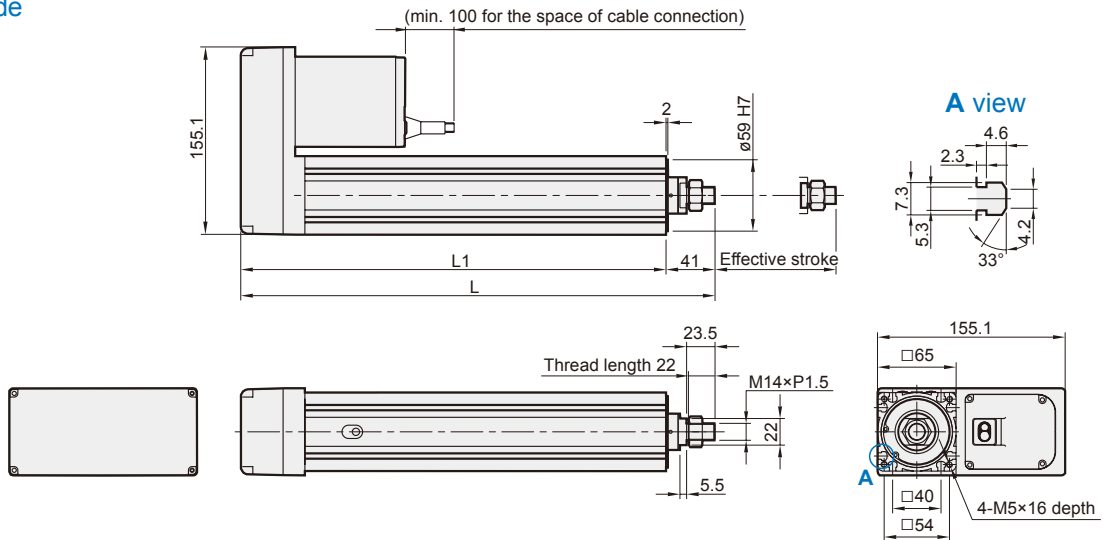
# MEQYC-65 Dimensions

## ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITH MOTOR)



### BR

Motor on right side

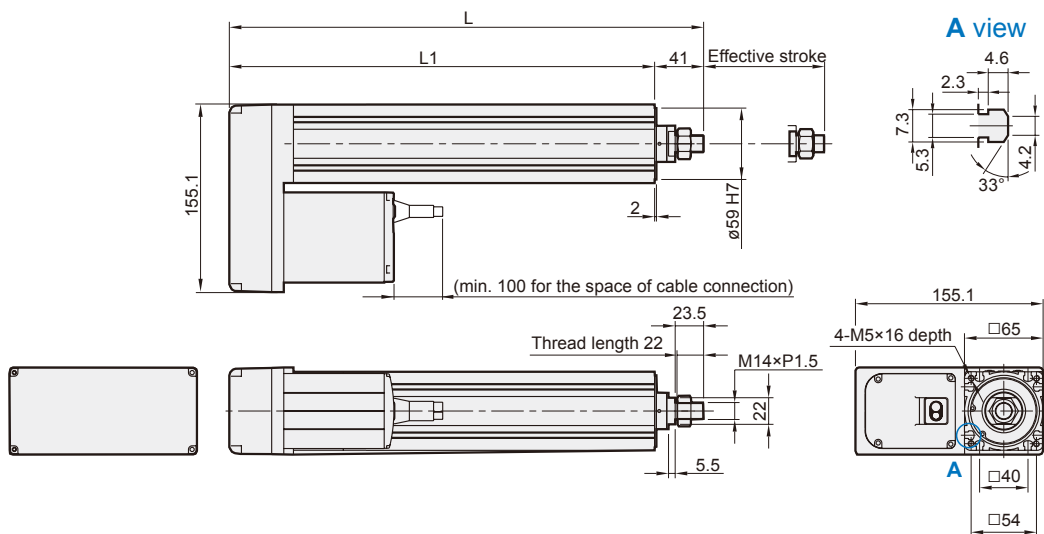


Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500
<b>L</b>	282	332	382	432	482	532	582	632	682	732
<b>L1</b>	241	291	341	391	441	491	541	591	641	691
<b>KG</b>	5	5.26	5.52	5.78	6.03	6.29	6.55	6.81	7.07	7.32

### BL

Motor on left side



Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500
<b>L</b>	282	332	382	432	482	532	582	632	682	732
<b>L1</b>	241	291	341	391	441	491	541	591	641	691
<b>KG</b>	5	5.26	5.52	5.78	6.03	6.29	6.55	6.81	7.07	7.32