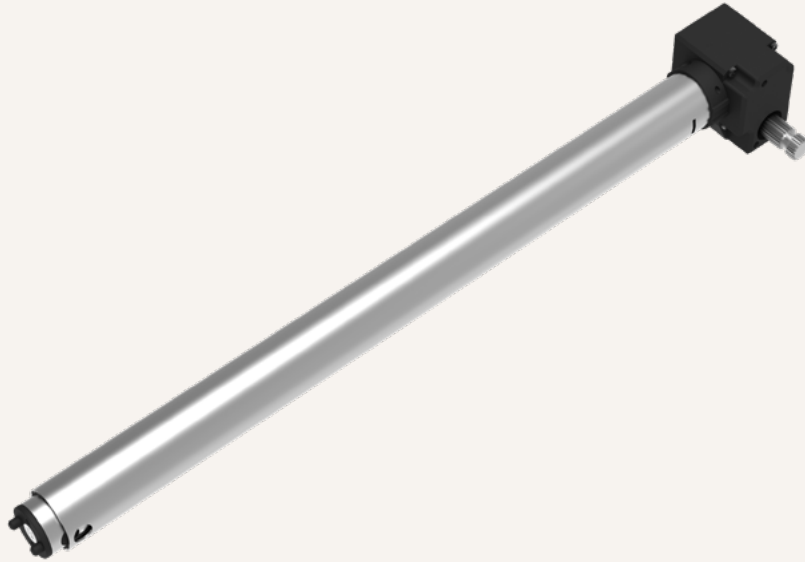


# TBS10

series



## Product Segments

- **Ergo Motion**
- **Industrial Motion**

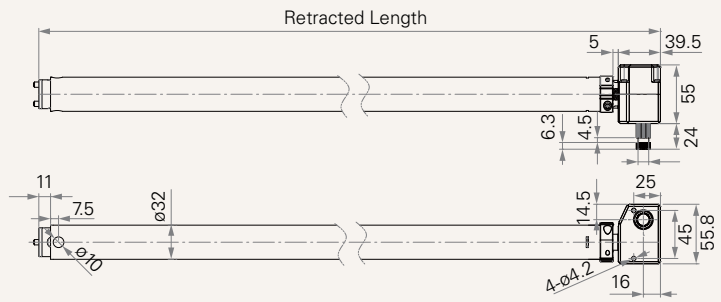
The TBS10 is designed especially for height adjustable desk applications. It can also be used for other motorized or manual drive applications. The unique worm gear system reduces the noise level of the gear box when running the adjustment.

### General Features

Ratio	14 / 14
Recommended stroke	50~800mm
Minimum retracted length	$\geq (\text{stroke}/2) + 155 \text{ mm}$
Maximum rated load	800N

**Drawing**

Standard Dimensions  
(mm)



**Load and Speed**

CODE	Spindle (mm)	Gear Ratio	Rated Load (N)	Rated Torque (Nm)	Lead (mm/turn)	Typical Speed (mm/s)
A	2.5*4, 2.0*5	14/14	800	4.9	20	(TGM motor speed/60)*(14/14)*20
B	2.3*2, 2.3*2	14/14	800	2.9	9.2	(TGM motor speed/60)*(14/14)*9.2

**Note**

1 Parameters above are from tested average, please refer to approval drawing for final value.

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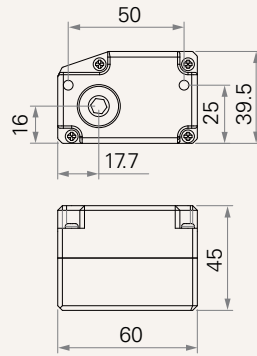
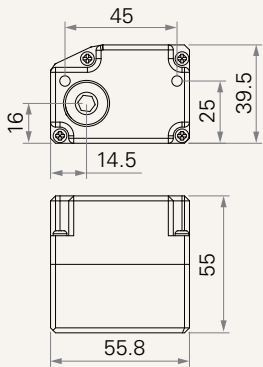
<b>Gear Box Dimension</b>	B = Dimension 1	C = Dimension 2
	<a href="#">See page 4</a>	
<b>Load and speed</b>	<a href="#">See page 2</a>	
<b>Stroke (mm)</b>	50 - 800	
<b>Retracted Length (mm)</b>	Minimum retract length needs to $\geq (\text{stroke}/2) + 155$	
<b>Input Torque (mm)</b>	1 = Coupler hole, 6	
	<a href="#">See page 4</a>	
<b>Fixation of Mid-Tube (mm)</b>	1 = Punched hole, hole 10.0	
	<a href="#">See page 4</a>	
<b>Front Attachment (mm)</b>	0 = Punched hole on inner tube, hole 10.0	1 = Plastic
	<a href="#">See page 5</a>	

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## Gear Box Dimension (mm)

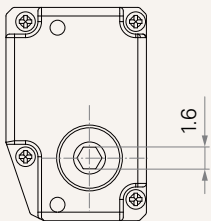
B = Dimension 1

C = Dimension 2



## Input Torque (mm)

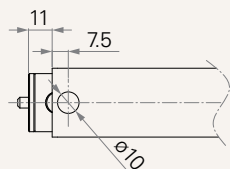
1 = Coupler hole, 6



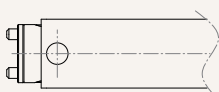
## Fixation of Mid-Tube (mm)

1 = Punched hole, hole 10.0

0 Degree



90 Degree



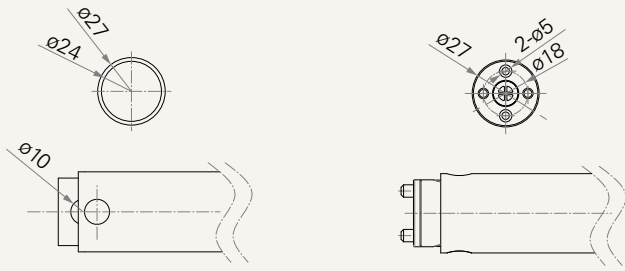
## Note

- 1 To keep the minimum Retracted length, there are two angel when assembling the inner and middle tube, one is 0 and the other is 90 degree.
- 2 Both of two angles will distribute randomly in shipment, but the degree and product's function are irrelevant.

## Front Attachment (mm)

0 = Punched hole on inner tube hole  
10.0

1 = Plastic



## Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application. TiMOTION products are subject to change without prior notice.