



Enjoy More Flexibility,  
Customized Products,  
and Tailor-Made Services

# COMFORT MOTION





# 99%

of TiMOTION's customer application requirements can be solved by our experienced personnel providing highly customized solutions.

# 101%

TiMOTION guarantees complete customer satisfaction by providing a competitive packaged actuator solution coupled with a wide range of high-quality products, global service networks and "on-demand" R&D resources.

# Linear Actuators

## TA series



### TA4

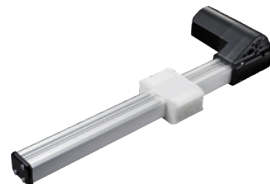


**Max. load**  
3,500N (push)  
2,000N (pull)

**Max. speed at max. load**  
3.1mm/s

**Max. speed at no load**  
36.9mm/s

**Retracted length**  
≥ Stroke + 140mm



### TA5P



**Max. load**  
6,000N (push)  
3,000N (pull)

**Max. speed at max. load**  
4.1mm/s

**Max. speed at no load**  
58mm/s

**Retracted length**  
≥ 157mm



### TA6



**Max. load**  
6,000N (push)  
4,000N (pull)

**Max. speed at max. load**  
5mm/s

**Max. speed at no load**  
43mm/s

**Retracted length**  
≥ Stroke + 163mm



## TA9



**Max. load**

2,500N (push)  
1,000N (pull)

**Max. speed at max. load**

5.1mm/s

**Max. speed at no load**

58.3mm/s

**Retracted length**

≥ Stroke + 140mm



## TA14



**Max. load**

6,000N (push)  
4,000N (pull)

**Max. speed at max. load**

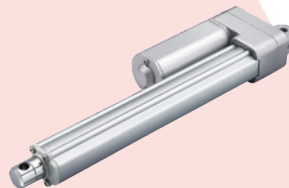
4.1mm/s

**Max. speed at no load**

39mm/s

**Retracted length**

≥ Stroke + 163mm



## TA16



**Max. load**

3,500N (push/pull)

**Max. speed at max. load**

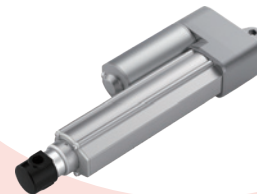
6.2mm/s

**Max. speed at no load**

58.2mm/s

**Retracted length**

≥ Stroke + 112mm



## TA19



**Max. load**

1,000N (push)

**Max. speed at max. load**

18mm/s

**Max. speed at no load**

64mm/s

**Retracted length**

≥ Stroke/2 + 165mm

# Linear Actuators

## TA series



### TA25



**Max. load**  
1,000N (push/pull)

**Max. speed at max. load**  
29mm/s

**Max. speed at no load**  
54mm/s

**Retracted length**  
≥ 99mm



### TA26



**Max. load**  
4,000N (push)  
2,000N (pull)

**Max. speed at max. load**  
6.1mm/s

**Max. speed at no load**  
24mm/s

**Retracted length**  
≥ Stroke + 120mm



### TA32



**Max. load**  
500N (push)

**Max. speed at max. load**  
4.8mm/s

**Max. speed at no load**  
16mm/s

**Retracted length**  
≥ 143mm



## TA38M



**Max. load**

2,000N (push)  
1,500N (pull)

**Max. speed at max. load**

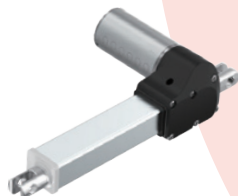
6.2mm/s

**Max. speed at no load**

20mm/s

**Retracted length**

≥ 160mm (depending on  
chosen options)



## TA42



**Max. load**

1,500N (push/pull)

**Max. speed at max. load**

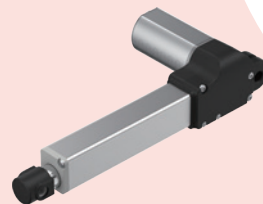
6.2mm/s

**Max. speed at no load**

13.2mm/s

**Retracted length**

≥ Stroke + 100mm



## TA43



**Max. load**

4,000N (push/pull)

**Max. speed at max. load**

2.5mm/s

**Max. speed at no load**

12.1mm/s

**Retracted length**

≥ Stroke + 100mm

# Lifting Columns

## TL series



### TL3



**Max. load**  
4,000N (push)

**Self-locking force**  
4,000N

**Max. dynamic bending moment**  
1,000Nm

**Max. speed at max. load**  
13.7mm/s

**Max. speed at no load**  
39mm/s

**Retracted length**  
 $\geq \text{Stroke}/2 + 150\text{mm}$



### TL17



**Max. load**  
2,000N (push)

**Max. dynamic bending moment**  
250Nm

**Max. speed at max. load**  
11.5mm/s

**Max. speed at no load**  
41mm/s

**Retracted length**  
 $\geq \text{Stroke}/2 + 150\text{mm}$



### TL18



**Max. load**  
4,500N (push)

**Self-locking force**  
4,500N

**Max. dynamic bending moment**  
250Nm

**Max. speed at max. load**  
6.6mm/s

**Max. speed at no load**  
45mm/s

**Retracted length**  
 $\geq \text{Stroke} + 147\text{mm}$



## TL18AC



**Max. load**  
4,500N (push)

**Self-locking force**  
4,500N

**Max. dynamic bending moment**  
250Nm

**Max. speed at max. load**  
6.6mm/s

**Max. speed at no load**  
45mm/s

**Retracted length**  
≥ 383mm



## TL25



**Max. load**  
1,500N (push)

**Max. dynamic bending moment**  
130.5Nm

**Max. speed at max. load**  
15mm/s

**Max. speed at no load**  
108mm/s

**Retracted length**  
Stroke + 360mm



## TVL3



**Max. load**  
600N (push)

**Max. speed at max. load**  
22mm/s

**Max. speed at no load**  
32mm/s

**Retracted length**  
570mm



# Control Boxes



## TC2B Series

- Number of motors: 1~3
- Max. output: 32V DC, 6.25A



## TC3 Series

- Number of motors: 1~4



## TC6 Series

- Number of motors: 1~5



## TC7 Series

- Number of motors: 1~2

# Control Boxes



## TC11 Series

- Number of motors: 1
- Max. output: 32V DC, 6A



## TC11P Series

- Number of motors: 1
- Max. output: 32V DC, 6A



## TC14 Series

- Number of motors: 1~4



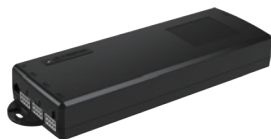
## TC15 Series

- Number of motors: 2
- Max. output: 32V DC, 10A



### **TC16 Series**

- Number of motors: 3
- Max. output: 32V DC, 10A



### **TC16P Series**

- Number of motors: 3
- Max. output: 32V DC, 10A



### **TC23 Series**

- Number of motors: 1~4
- Max. output: 24V DC, 5A



# Back-Up Power



## **TBB2 Series**

- Battery type: Lead acid, Lithium
- Capacity: 1.2Ah
- Discharging voltage: 24V DC, 1.2A



## **TBB3 Series**

- Battery type: Lithium-ion
- Capacity: 1.8Ah
- Discharging voltage: 25.2V DC, 1.8A



## **TBB4 Series**

- Battery type: Lead acid
- Capacity: 1.2 or 2.2Ah
- Discharging voltage: 24V DC, 2A



## **TBB5 Series**

- Battery type: Lithium iron
- Capacity: 4Ah
- Discharging voltage: 25.6V DC, 4A



#### **TBB6 Series**

- Battery type: Lead acid
- Capacity: 2.9 or 5Ah
- Discharging voltage: 24V DC, 2.9/5A



#### **TBB7 Series**

- Battery type: Lead acid, Lithium
- Capacity: 2.9/5Ah (Lead acid); 2.5/4.5/10Ah (Lithium)
- Discharging voltage: 24V DC, 2.9/5A



#### **TBB8 Series**

- Battery type: Lithium
- Capacity: 1.5Ah
- Discharging voltage: 24V DC, 1.5A



# Power Supplies



## TP2 Series

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Max. output: 29V DC, 6.25A



## TP2N Series

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Max. output: 29V DC, 6.25A



## TP2P Series

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Max. output: 29V DC, 6.25A



## TP2S Series

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Max. output: 29V DC, 6A



#### **TP5P Series**

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Max. output: 29V DC, 5A



#### **TP7 Series**

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Max. output: 29V DC, 3.75A



#### **TP11 Series**

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Max. output: 29V DC, 5A



# Hand Controls



TH1



TH3



TH4



TH5



TH6



TH7

# Hand Controls



TH7R



TH8



TH9



TH11



TH13



TH15

# Hand Controls



TH16



TH17



TH19



TH23



TH25



T FH2



TFH3



TFH4



TFH5



TFH6



TFH7



TFH7P

# Hand Controls



TFH7S



TFH11



TFH15



TFH15P



TFH16



TFH17



TFH22



TFH25



TFH27



TFH28



TFH32



TFH33



TFH34



TFH35



# Accessories



TCR  
AC Cable Reel



TES  
External Switch



TFA1  
USB Chargers



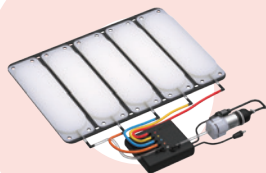
TFA3  
USB Chargers



TJB2  
Junction Box



TJB10  
Junction Box



**TAM1**  
Inflatable Massage Cushion  
System



**TMM**  
Massage Motor



**TMM2**  
Massage Motor



**TMM3**  
Massage Motor



**TMM4**  
Massage Motor



**TRF**  
RF Receiver



**TRL1**  
LED Reading Light

# Accessories



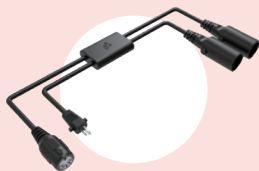
TSS  
Safety Strip



TYC  
Y Cable



TYC2  
Y Cable



TYC3  
Y Cable







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For the latest  
product information

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