



Choose TiMOTION for
Flexibility, Customized Products,
and Tailor-Made Services

CARE 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



TA10



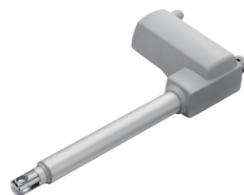
Max. load
6,000N (push)
4,000N (pull)

Max. speed at max. load
4.2mm/s

Max. speed at no load
14.5mm/s

Retracted length
≥ Stroke + 188mm

IP rating
IP66



TA11



Max. load
1,500N (push/pull)

Max. speed at max. load
10.5mm/s

Max. speed at no load
13.1mm/s

Retracted length
≥ Stroke + 155mm

IP rating
IP66D



TA12



Max. load
12,000N (push)
6,000N (pull)

Max. speed at max. load
4mm/s

Max. speed at no load
57.3mm/s

Retracted length
≥ Stroke + 210mm

IP rating
IP66W



TA13



Max. load

10,000N (push)
5,500N (pull)

Max. speed at max. load

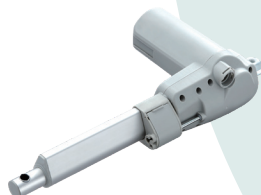
4.5mm/s

Max. speed at no load

49.4mm/s

Retracted length

≥ Stroke + 180mm



TA15



Max. load

10,000N (push)
5,500N (pull)

Max. speed at max. load

4.5mm/s

Max. speed at no load

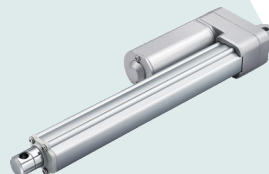
14.4mm/s

Retracted length

≥ Stroke + 210mm

IP rating

IP66



TA16



Max. load

3,500N (push/pull)

Max. speed at max. load

6.2mm/s

Max. speed at no load

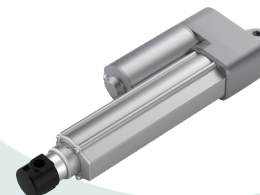
58.2mm/s

Retracted length

≥ Stroke + 112mm

IP rating

IP66D



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



TA21



Max. load
10,000N (push)
6,000N (pull)

Max. speed at max. load
6.3mm/s

Max. speed at no load
24.7mm/s

Retracted length
≥ 67mm



TA23



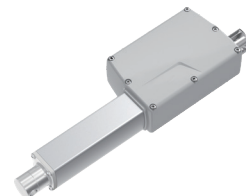
Max. load
10,000N (push)
4,000N (pull)

Max. speed at max. load
3.2mm/s

Max. speed at no load
39mm/s

Retracted length
≥ Stroke + 163mm

IP rating
IP66W



TA29



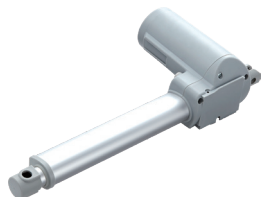
Max. load
6,000N (push)
3,500N (pull)

Max. speed at max. load
3mm/s

Max. speed at no load
30.2mm/s

Retracted length
> 178mm (depending on
chosen options)

IP rating
IP66W



TA31



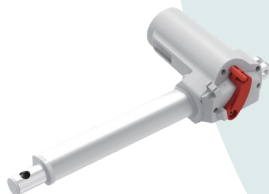
Max. load
8,000N (push)
3,000N (pull)

Max. speed at max. load
3.5mm/s

Max. speed at no load
26.6mm/s

Retracted length
 $\geq \text{Stroke} + 157\text{mm}$

IP rating
IP66W



TA31QR



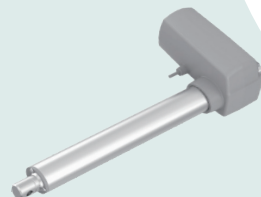
Max. load
5,000N (push)
3,000N (pull)

Max. speed at max. load
4.9mm/s

Max. speed at no load
11.2mm/s

Retracted length
 $\geq \text{Stroke} + 178\text{mm}$

IP rating
IP66W



TA36



Max. load
10,000N (push)
6,000N (pull)

Max. speed at max. load
5.4mm/s

Max. speed at no load
13.9mm/s

Retracted length
 $\geq \text{Stroke} + 170\text{mm}$

IP rating
IP66W



TA37



Max. load
12,000N (push)

Max. speed at max. load
5.3mm/s

Max. speed at no load
31.1mm/s

Retracted length
 $\geq \text{Stroke} + 170\text{mm}$

IP rating
IP66W

Linear Actuators



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)

IP rating
IP66



TA41



Max. load
8,000N (push)
4,000N (pull)

Max. speed at max. load
4.3mm/s

Max. speed at no load
39mm/s

Retracted length
≥ Stroke + 163mm



TA49



Max. load
6,000N (push)
2,000N (pull)

Max. speed at max. load
4.4mm/s

Max. speed at no load
14.7mm/s

Retracted length
≥ Stroke + 157mm

IP rating
IP66W



TT1



Max. load
6,000N (push)

Max. speed at max. load
4.6mm/s

Max. speed at no load
6.8mm/s

Dimension between shaft
581mm

IP rating
IPX6

Gear Motors

TGM series



TGM5



Max. rated torque
18.3Nm

**Max. speed at
max. load**
88RPM ($\pm 5\%$)

**Max. speed at
no load**
117RPM ($\pm 5\%$)

IP rating
IP66W

Certificate
UL962

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

IP rating
IPX6



TL8



Max. load
2,000N (push)

**Max. dynamic
bending moment**
500Nm

Max. speed at max. load
9.6mm/s

Max. speed at no load
32.6mm/s

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

IP rating
IPX6



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

IP rating
IPX6



TL18



Max. load
4,500N (push)

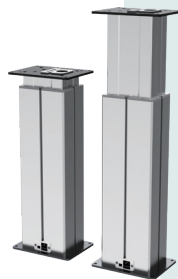
Self-locking force
4,500N

Max. dynamic bending moment
250Nm

Max. speed at max. load
6.6mm/s

Max. speed at no load
45mm/s

Retracted length
≥ Stroke + 147mm



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



TL24



Max. load
3,300N (push)

Max. dynamic bending moment
200Nm

Max. speed at max. load
6.5mm/s

Max. speed at no load
38mm/s

Retracted length
≥ Stroke + 188mm

IP rating
IPX6



TL27



Max. load
3,300N (push)

Self-locking force
3,300N

Max. dynamic bending moment
200Nm

Max. speed at max. load
6.5mm/s

Max. speed at no load
38mm/s

Retracted length
≥ Stroke + 256mm

Lifting Columns

TL series



TL50



Max. load
1,150N (push)

Self-locking force
1,150N

Max. dynamic bending moment
542.5Nm

Max. speed at max. load
32.2mm/s

Max. speed at no load
49.4mm/s

Retracted length
 $\geq \text{Stroke} + 500\text{mm}$



TL51



Max. load
6,000N (push)

Self-locking force
6,000N (push)

Max. dynamic bending moment
1,000Nm ($\geq \text{Stroke}/2 + 180\text{mm}$)
1,400Nm ($\geq \text{Stroke}/2 + 240\text{mm}$)

Max. speed at max. load
8.6mm/s

Max. speed at no load
26.2mm/s

Retracted length
 $\geq \text{Stroke}/2 + 180\text{mm}$
 $\geq \text{Stroke}/2 + 240\text{mm}$

IP rating
IPX6



TL52



Max. load
3,300N (push)

Self-locking force
3,300N

Max. dynamic bending moment
250Nm

Max. speed at max. load
6.5mm/s

Max. speed at no load
38mm/s

Retracted length
 $\geq \text{Stroke} + 256\text{mm}$

Control Boxes



TC8 Series

- Number of motors: 1~7
- Number of controls: 1~3
- IP rating: IP66



TC10 Series

- Number of motors: 1~5
- Number of controls: 1~2
- Max. output: 29V DC, 12A
- IP rating: IP66
- Options: Alarm buzzer



TC12 Series

- Number of motors: 1~3
- Max. output: 24V DC, 10A
- IP rating: IP66
- Options: LCD display, LED power indicator



TC12AC Series

- Number of motors: 1~3
- Max. output: 24V DC, 10A
- IP rating: IP54
- Options: LCD display, LED power indicator



Control Boxes



TC14 Series

- Number of motors: 1~4
- IP rating: IP66
- Options: Wireless module (optional)



TC17 Series

- Number of motors: 1~4
- Max. output: 32V DC, 6.25A



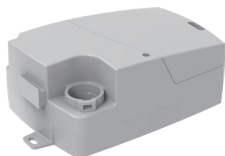
TC20 Series

- Number of motors: 1~3
- Max. output: 24VDC, 10A
- IP rating: IP66
- Options: MCU, battery LED indicator, cable organizer



TC21 Series

- Number of motors: 1~5
- Number of controls: 1~2
- Max. output: 32V DC, 10A
- IP rating: IP66W



TC26 Series

- Number of motors: 1~3
- Number of controls: 1
- Max. output: 32V DC, 6A
- IP rating: IP66
- Options: Supports cord buckle and buzzer



Back-Up Power



TBB2 Series

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



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



Power Supplies



TP4 Series

- Transformer type: Toroidal or SMPS
- Input voltage: 110/120/230 V AC or 100~240V AC (SMPS)
- Max. output: 36V DC, 9A



TP6 Series

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Max. output: 31.5V DC, 12A



TP7M Series

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



TP8 Series

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



TP9 Series

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Max. output: 36V DC, 2A





Controls



TH1



TH2



TH7



TH10



TH12



TH21



TH24



TH26

Controls



TH30



TMH1



TMH3



TMH5



TMH7



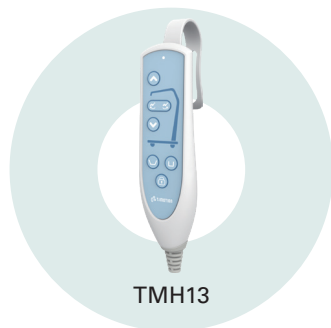
TMH9



TMH11



TMH12



TMH13



TMH15



TMH16



TMH17



TMH18



TMH19

Controls



TMH21



TMH29

NEW



TFS



TFS2



TFS3



TFS5



TFS6



TFS7



TFS8



TFS9



TNP1



TNP2



TNP3



TNP4



TNP5



TNP6



TNP7



TNP8



TNP10



TFH1





Accessories



TAB2
Alarm Buzzer



TBC2
Battery Charger



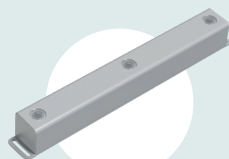
TBC3
Battery Charger



TBL
Bed Bottom Light



TBL2
Bed Bottom Light



TBL3
Bed Bottom Light



TCR
AC Cable Reel



TEB
Emergency Button

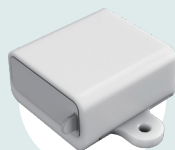
Accessories



TEB2
Emergency Button



TES
External Switch



TFA5
USB Chargers



TJB2
Junction Box



TJB3
Junction Box



TJB4
Junction Box



TJB5
Junction Box



TJB11
Junction Box

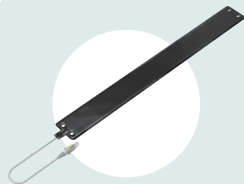


TLB
Lock Box



TNC
Nurse Call

Accessories



TPS
Pressure Sensor



TRF2
Wireless Receiver

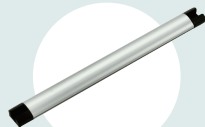


TRF4
Wireless Receiver

NEW



TRL1
Reading Light



TSS
Safety Strip



TSS2
Safety Strip



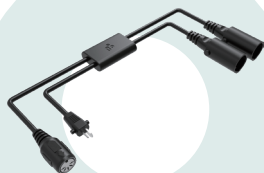
TWS1
Weight Scale



TYC
Y Cable



TYC2
Y Cable



TYC3
Y Cable



Terms of Use

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Every Day is Earth Day

TiMOTION uses FSC certificated paper in order to help care for our forests, as well as the people and wildlife who call them home.



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product information

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