

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%

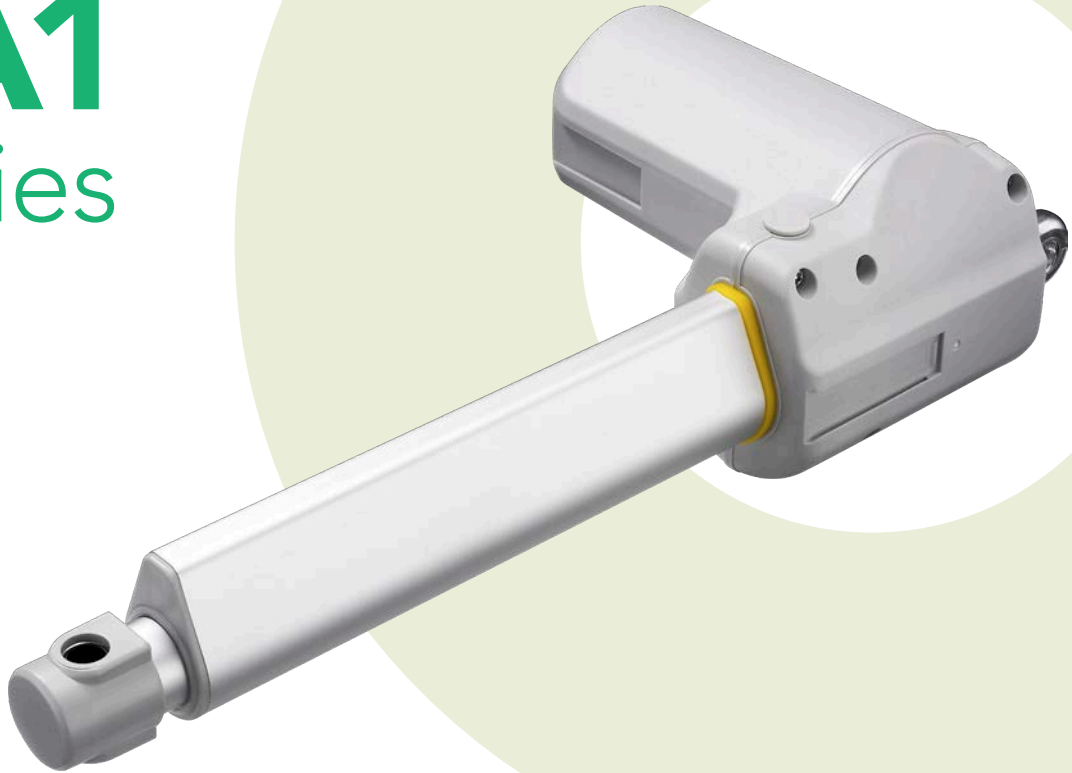
TiMOTION guarantees complete customer satisfaction by providing a competitive packaged actuator solution coupled with a wide range of high quality products, global service networks and "on demand" R&D resources.

Your BEST choice of actuation systems for medical applications

With an ever-changing population with increasing healthcare needs, the medical world is seeking the best solutions to improve the hospital stays for both patients and staff. Our Care Motion line offers a complete range of products that satisfies the specific and demanding requirements of many medical applications.

TA1

series



General Features

The TA1 series linear actuator is TiMOTION's flagship model suited for healthcare application. The medical certifications for the TA1 include IEC60601-1, ES60601-1, and EN60601-1-2. In addition, the TA1 linear actuator supports IP rating up to IP66W. Other options include a manual or quick release system and Hall or Reed feedback sensors.

Maximum load
10,000N in push

Maximum load
4,000N in pull

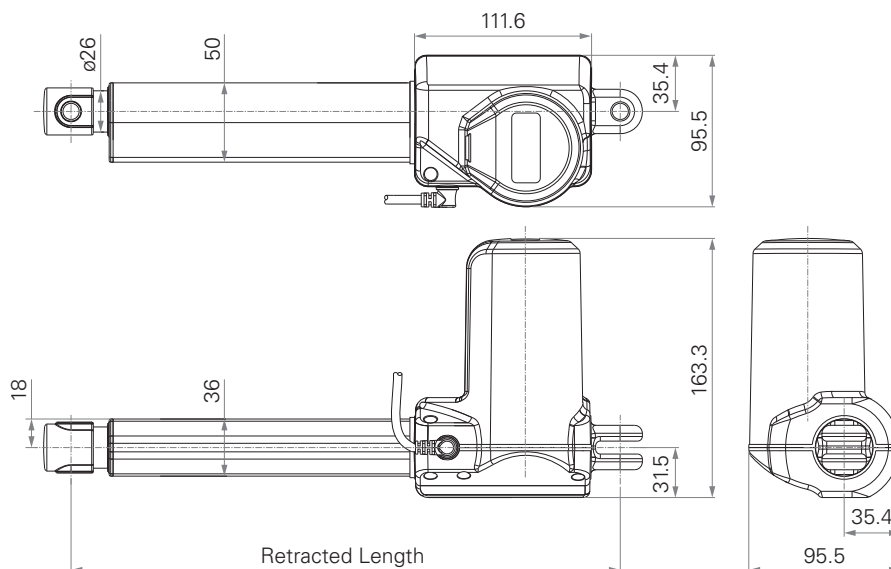
Maximum speed at full load
23.4mm/s (with 1,000N in a push or pull condition)

Minimum installation dimension
Stroke + 163mm

IP rating
Up to IP66W

Certificate
IEC60601-1, ES60601-1, EN60601-1-2

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 2600RPM Duty Cycle 10%	C	5000	4000	2500	0.8	3.5	8.0	4.1
	D	6000	4000	4000	0.8	3.5	6.0	3.1
	F	2500	2500	1500	0.8	3.2	15.9	8.3
	G	2000	2000	1000	0.8	2.8	21.4	12.1
	H	1000	1000	500	0.8	2.1	32.1	19.1
	J	3500	3500	2500	0.8	3.6	11.9	6.0
	K	8000	4000	5000	0.8	4.0	5.4	2.7
Motor Speed 3400RPM Duty Cycle 10%	L	6000	4000	4000	1.0	4.2	7.3	4.1
	N	2500	2500	1500	1.0	4.1	19.4	11.1
	O	2000	2000	1000	1.0	4.0	26.1	14.9
	P	1000	1000	500	1.0	3.0	39.0	23.4
	Q	3500	3500	2500	1.0	4.6	14.5	7.9
	R	8000	4000	5000	1.0	5.0	6.6	3.5
	T	5000	4000	2500	1.0	4.2	9.8	5.4
Motor Speed 3800RPM Duty Cycle 10%	Y	8000	4000	5000	1.2	5.3	7.7	4.4
	B	10000	4000	10000	1.2	5.3	5.7	3.2
	U	5000	4000	2500	1.2	4.7	11.3	6.6
	W	2500	2500	1500	1.2	4.6	23.0	13.4
	Z	3500	3500	2500	1.2	5.3	16.8	9.8

NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V. With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Current and speed: Tested average value when extending in push direction.
- 4 Operational temperature range: +5°C~+45°C
- 5 Standard stroke: Min. ≥ 25 mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
K, R, Y, B	≥ 8000	450
D, L	$= 6000$	600
Others	< 6000	1000

TA7 series



General Features

TiMOTION's TA7 series linear actuator is an economical choice for applications requiring a compact, long life linear actuator. The TA7's design is compliant with key standards such as IEC60601-1 and ES60601-1. In addition, the TA7 linear actuator is available with an optional IP54, IP66 or IP66W rating.

Maximum load
10,000N in push

Maximum load
4,000N in pull

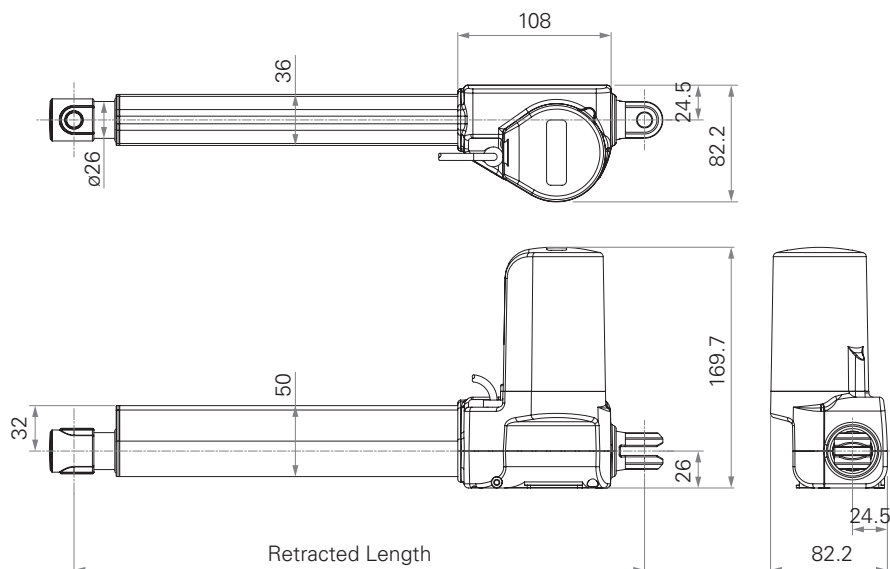
Maximum speed at full load
23.4mm/s (with 1,000N in a push or pull condition)

Minimum installation dimension
Stroke + 171mm

IP rating
Up to IP66W

Certificate
IEC60601-1, ES60601-1, IEC60601-1-2

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 2600RPM Duty Cycle 10%	C	5000	4000	2500	0.8	3.6	8.0	4.1
	D	6000	4000	4000	0.8	3.6	6.0	3.1
	F	2500	2500	1500	0.8	3.3	15.9	8.3
	G	2000	2000	1000	0.8	3.3	21.4	11.1
	H	1000	1000	500	0.8	2.2	32.1	19.1
	J	3500	3500	2500	0.8	3.7	11.9	6.0
	K	8000	4000	5000	0.8	4.1	5.4	2.7
Motor Speed 3400RPM Duty Cycle 10%	L	6000	4000	4000	1.0	4.3	7.6	4.1
	N	2500	2500	1500	1.0	4.2	20.2	11.1
	O	2000	2000	1000	1.0	4.1	27.1	14.9
	P	1000	1000	500	1.0	3.1	39.5	23.4
	Q	3500	3500	2500	1.0	4.7	15.1	7.9
	R	8000	4000	5000	1.0	5.1	6.8	3.5
	T	5000	4000	2500	1.0	4.3	10.1	5.4
Motor Speed 3800RPM Duty Cycle 10%	Y	8000	4000	5000	1.2	5.3	7.7	4.4
	B	10000	4000	10000	1.2	5.3	5.7	3.2
	U	5000	4000	2500	1.2	4.7	11.3	6.6
	W	2500	2500	1500	1.2	4.6	23.0	13.4
	Z	3500	3500	2500	1.2	5.3	16.8	9.8

NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V. With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Operational temperature range: +5°C~+45°C
- 4 Standard stroke: Min. ≥ 25mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
K, R, Y, B	≥ 8000	450
D, L	= 6000	600
Others	< 6000	1000

TA10

series



General Features

TiMOTION's TA10 series linear actuator is primarily used in the medical market. This actuator series handles high loads and is designed with a manual crank attachment. If necessary, medical staff will be able to easily operate the manual crank to adjust the patient bed. In addition, this linear actuator is available with an optional IP54 or 66 rating.

Maximum load
6,000N in push

Maximum load
4,000N in pull

Maximum speed at full load
7.6mm/s (with 3,500N in a push or pull condition)

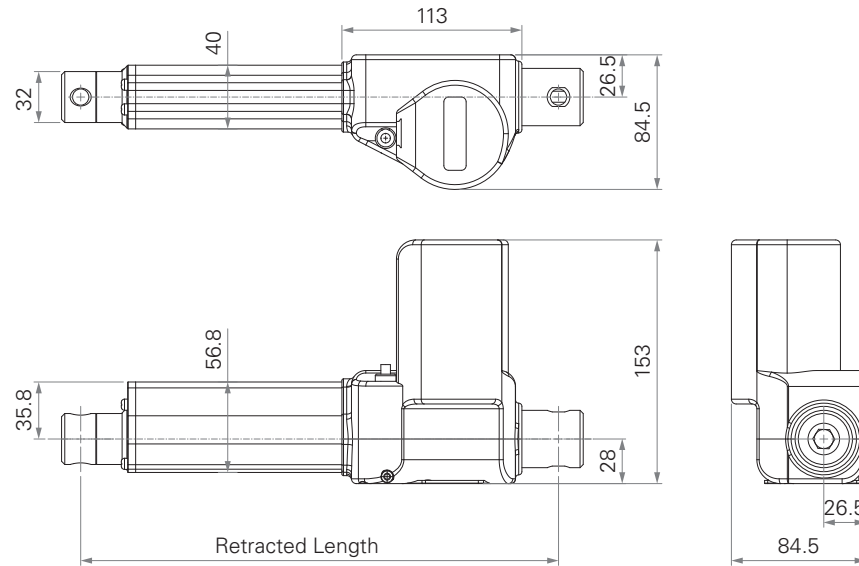
Minimum installation dimension
Stroke + 188mm

IP rating
Up to IP66

Certificate
IEC60601-1, ES60601-1

With manual crank rear attachment

Standard Dimension (mm)



Load and Speed

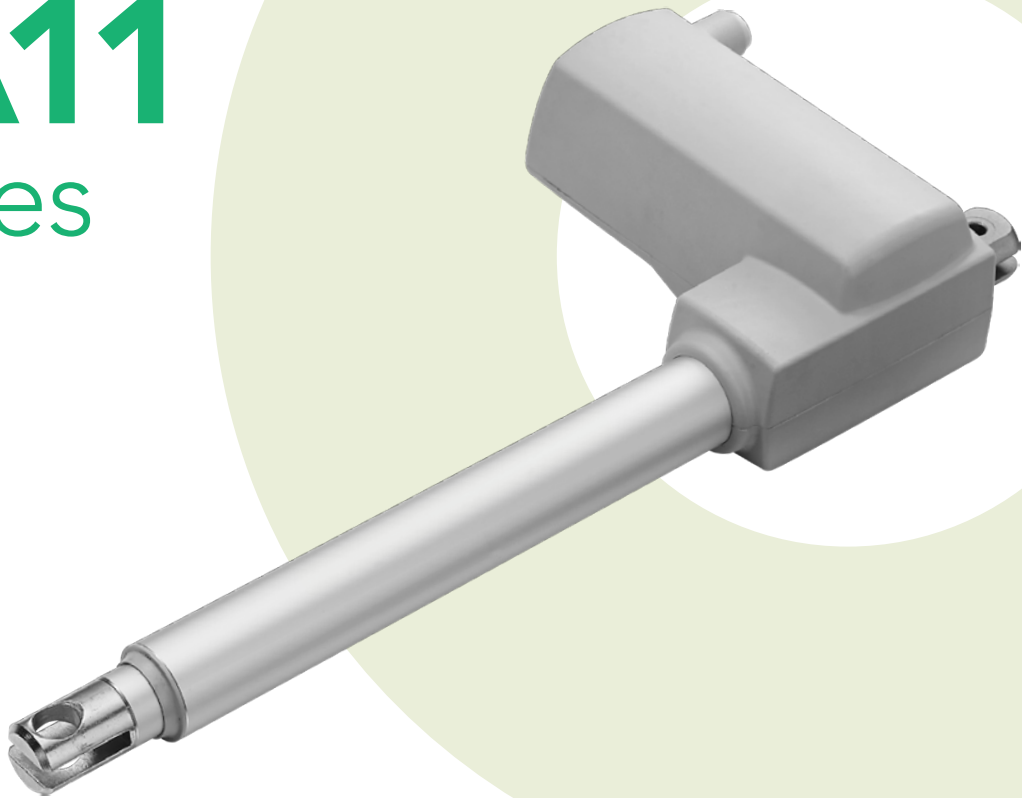
	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)	Typical Speed (mm/s)	
		Push	Pull			No Load 32V DC	With Load 24V DC
Motor Speed 2600RPM	D	6000	4000	4000	3.5	5.5	2.9
	J	3500	3500	3500	3.6	11.1	5.5
Motor Speed 3400RPM	L	6000	4000	4000	4.2	7.0	3.9
	Q	3500	3500	3500	4.6	14.3	7.6
Motor Speed 3800RPM	X	6000	4000	4000	4.4	8.3	5.2

NOTE

- 1 Current and speed: Tested average value when extending in push direction.
- 2 With a 12V motor, the current is approximately twice the current measured in 24V; speed will be similar for both voltages.
- 3 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.

TA11

series



General Features

TiMOTION's TA11 series linear actuator is primarily used in the medical market. This actuator series is suitable for bathroom chair applications. Its compact design supports load ratings up to 1500N.

Maximum load
1,500N in push and pull

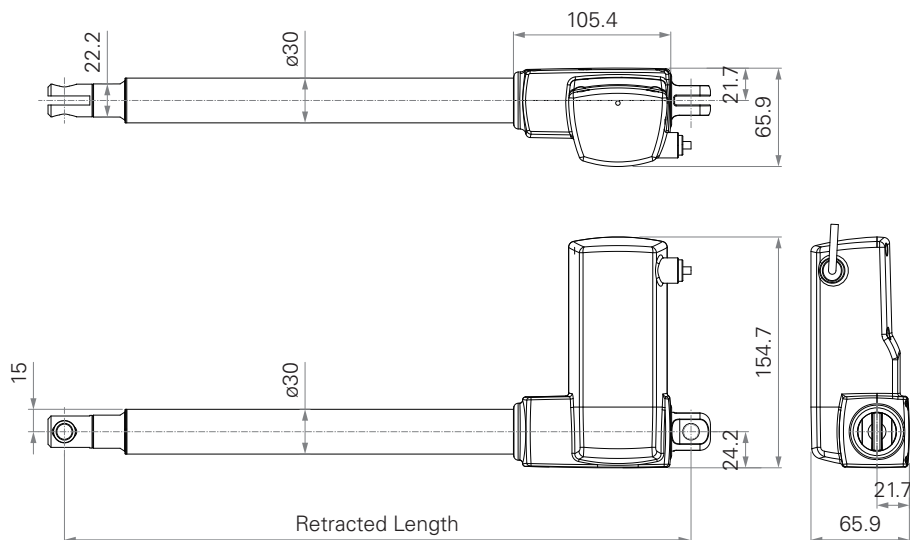
Maximum speed at full load
10.5mm/s (with 1,500N in a push or pull condition)

Minimum installation dimension
Stroke + 155mm

IP rating
Up to IP66D

Options
Hall sensor(s)

Standard Dimension (mm)



Load and Speed

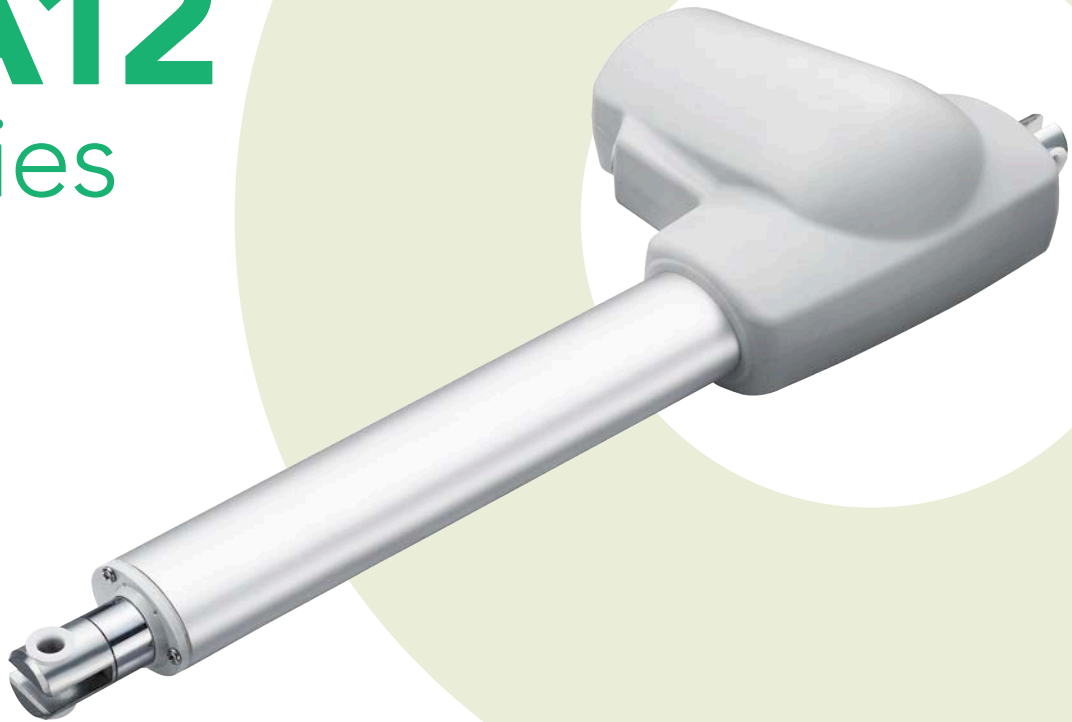
	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)	Typical Speed (mm/s)	
		Push	Pull			No Load 32V DC	With Load 24V DC
Motor Speed 5200RPM	B	1500	1500	1500	3.0	18.2	10.5

NOTE

- 1 Current and speed: Tested average value when extending in push direction.
- 2 With a 12V motor, the current is approximately twice the current measured in 24V; speed will be similar for both voltages.
- 3 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.

TA12

series



General Features

TiMOTION's TA12 series linear actuator is designed primarily for high-load patient lifts and bariatric beds. These sensitive applications require a linear actuator whose design is focused on safety, reliability and effortless operation. A significant feature of the TA12 is the manual release function that allows for lowering of the patient in the event of an emergency or electrical power outage. The TA12 linear actuator has obtained the IEC60601-1 certification.

Maximum load
12,000N in push

Maximum load
6,000N in pull

Maximum speed at full load
32.3mm/s (with 1,500N in a push or pull condition)

Minimum installation dimension
Stroke + 210mm

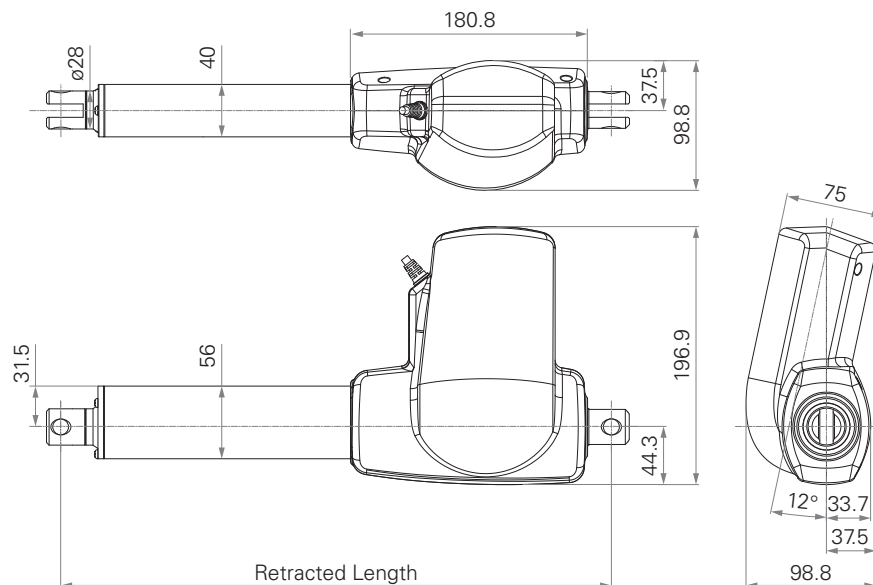
IP rating
Up to IP66W

Certificate
IEC60601-1, ES60601-1,
IEC60601-1-2

Options
Safety nut, Hall / POT sensor(s),
manual release

Special design for patient hoist as a
lifting actuator

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 3800RPM Duty Cycle 10%	B	12000	6000	12000	2.0	10.0	7.2	4.0
	C	7000	6000	7000	2.5	9.0	14.4	8.1
	D	4000	4000	4000	2.5	9.5	28.7	16.2
	E	2500	2500	2500	2.5	8.5	43.1	24.3
	F	1500	1500	1500	2.5	7.5	57.3	32.3
Motor Speed 3000RPM Duty Cycle 10%	G	10000	6000	10000	2.0	10.0	11.0	5.2
	H	12000	6000	12000	2.0	7.5	5.5	3.1
	J	7000	6000	7000	2.0	7.5	11.3	6.0
	K	4000	4000	4000	2.0	7.0	22.7	12.7
	L	2500	2500	2500	2.0	6.5	34.0	19.1
M	1500	1500	1500	2.0	6.0	45.3	25.5	

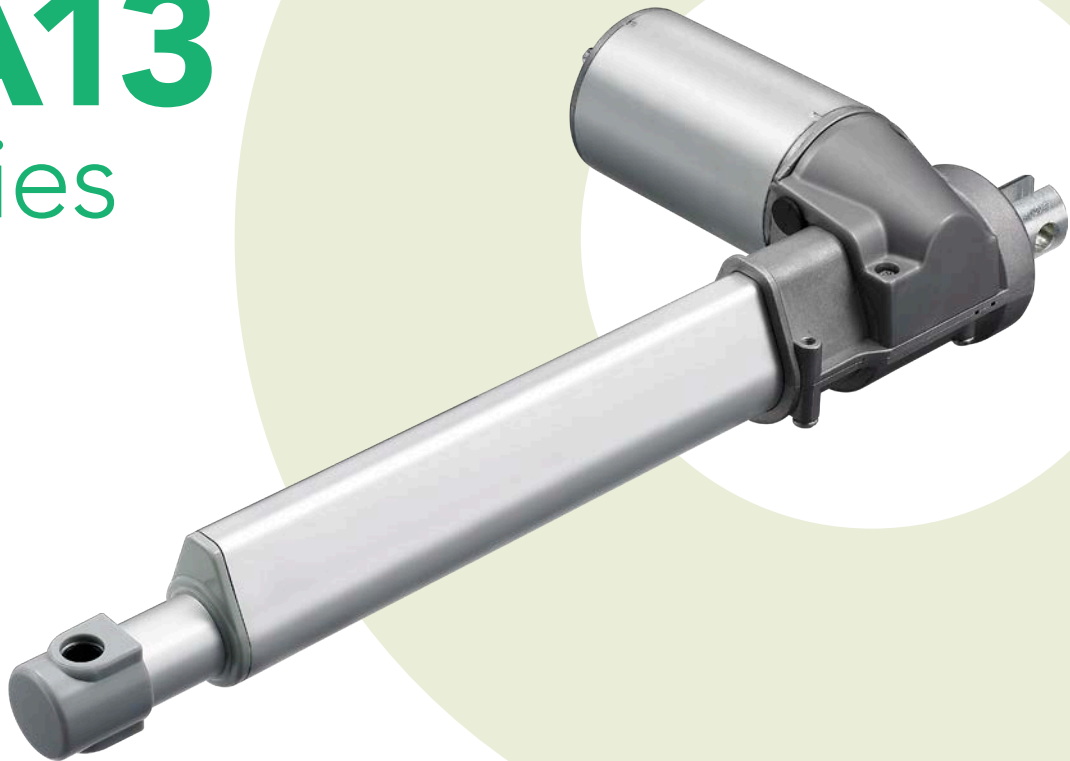
NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V. With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Current and speed: Tested average value when extending in push direction.
- 4 Standard stroke: Min. ≥ 20 mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
B, H	12000	450
G	10000	750
C, J	7000	900
D, K	4000	1000
E, L	2500	1200
F, M	1500	1500

TA13

series



General Features

TiMOTION's TA13 series linear actuator is designed primarily for dental chairs requiring high-push load solutions, but can also be applied to a wide range of other applications. Certificates for the TA13 include IEC60601-1 and ES60601-1.

Maximum load
10,000N in push

Maximum load
5,500N in pull

Maximum speed at full load
32.2mm/s (with 1,500N in a push or pull condition)

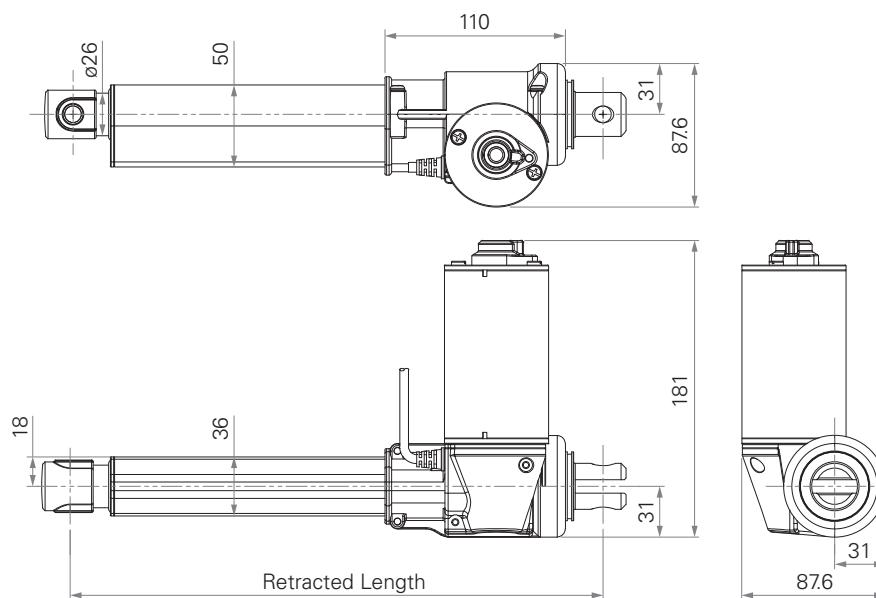
Minimum installation dimension
Stroke + 180mm

Certificate
IEC60601-1, ES60601-1

Options
Hall sensor(s), push only

Suitable for dentist chair applications

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 3000RPM Duty Cycle 10%	T	8000	4000	8000	2.5	6.0	7.9	4.4
Motor Speed 3800RPM Duty Cycle 10%	B	10000	4000	10000	2.5	8.5	8.0	4.5
	C	8000	4000	8000	2.5	8.5	10.7	6.0
	D	5500	5500	5500	2.5	8.0	14.4	8.1
	E	3000	3000	3000	3.0	7.0	25.8	15.7
	F	1500	1500	1500	2.5	6.5	49.4	32.2

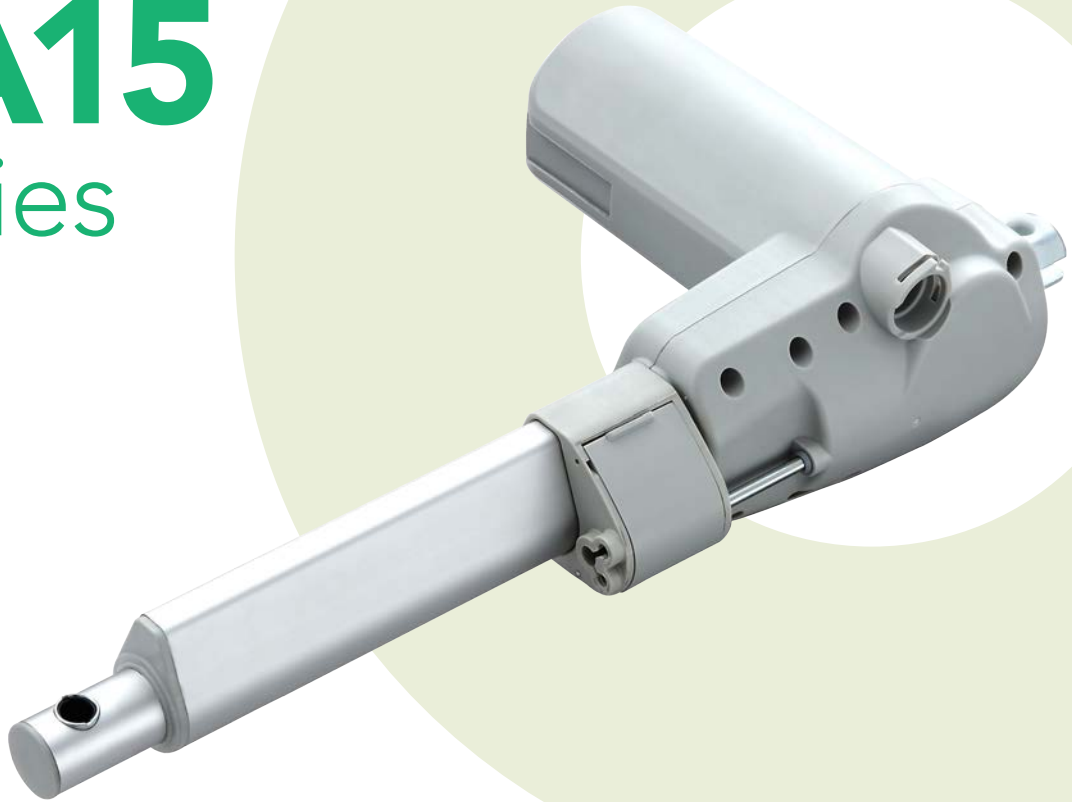
NOTE

- 1 With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Current and speed: Tested average value when extending in push direction.
- 4 Operational temperature range: +5°C~+45°C
- 5 Standard stroke: Min. ≥ 30 mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
B	10000	700
T, C	8000	750
D	5500	800
E	3000	900
F	1500	1000

TA15

series



General Features

TiMOTION's TA15 series linear actuator was specifically designed for bariatric bed applications. These beds require a robust, long life solution that incorporates safety, reliability and effortless operation. A significant feature of the TA15 linear actuator is the manual release function that allows for lowering of the patient in the event of an emergency or electrical power outage.

Maximum load
10,000N in push

Maximum load
5,500N in pull

Maximum speed at full load
32.2mm/s (with 1,500N in a push or pull condition)

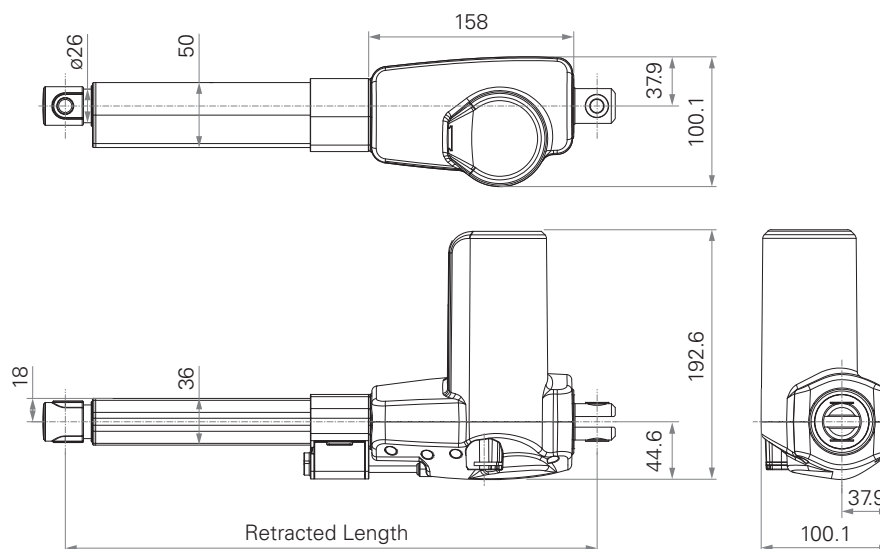
Minimum installation dimension
Stroke + 210mm

IP rating
Up to IP66W

Color
Black or grey

Certificate
IEC60601-1, ES60601-1, IEC60601-1-2
For bariatric bed application especially

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 3000RPM Duty Cycle 10%	T	8000	4000	8000	2.5	6.0	7.9	4.4
Motor Speed 3800RPM	B	10000	4000	10000	2.5	8.5	8.0	4.5
Duty Cycle 10%	C	8000	4000	8000	2.5	8.5	10.7	6.0
	D	5500	5500	5500	2.5	8.0	14.4	8.1
	F	1500	1500	1500	2.5	6.5	49.4	32.2

NOTE

- 1 With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Current and speed: Tested average value when extending in push direction.
- 4 Operational temperature range: +5°C~+45°C
- 5 Standard stroke: Min. ≥ 30mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
B	10000	500
T, C	8000	500
D	5500	800
F	1500	1000

TA16

series



General Features

TiMOTION's TA16 series linear actuator is similar to the TA2 linear actuator, but is specifically designed for low-noise medical applications where a compact linear actuator is needed. It is available with optional IP66 protection and Hall sensors for position feedback. Certificates for the TA16 include IEC60601-1, ES60601-1, and IEC60601-1-2.

Maximum load

3,500N in push and pull

Maximum speed at full load

13.5mm/s (with 1,500N in a push or pull condition)

Stroke

20~600mm

Minimum installation dimension

Stroke + 112mm

IP rating

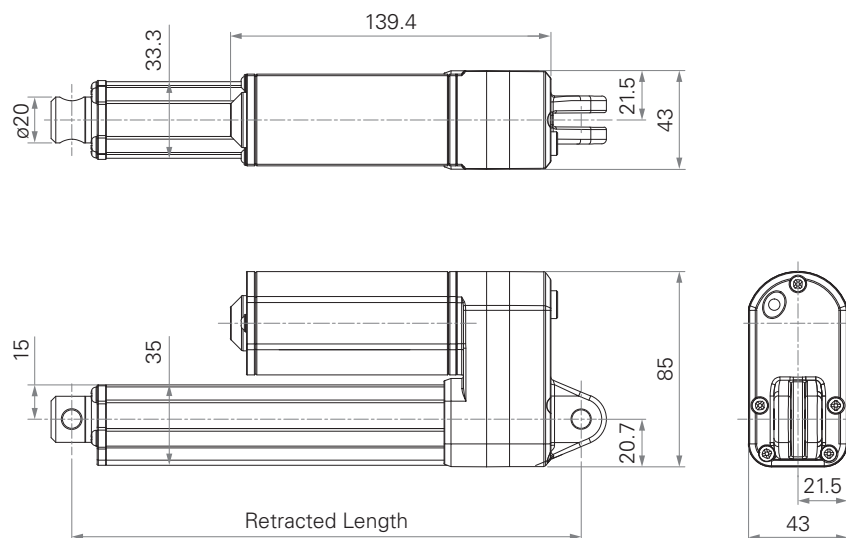
Up to IP66

Certificate

IEC60601-1, ES60601-1, IEC60601-1-2

With very low noise, small size for easy installation

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 3800RPM	A	2500	2500	2500	1.2	2.8	5.2	3.0
Duty Cycle 10%	B	2000	2000	2000	1.2	2.8	8.3	4.7
	C	1500	1500	1000	1.2	2.8	11.9	7.0
	D	1000	1000	1000	1.2	2.8	17.7	10.3
Motor Speed 5600RPM	G	3500	3500	2000	1.5	4.7	12.0	6.5
Duty Cycle 10%	J	2000	2000	1000	1.5	3.2	17.0	10.5
	K	1500	1500	700	1.5	3.5	23.5	13.5

NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Operational temperature range: +5°C~+45°C
- 4 Standard stroke: Min. ≥ 20mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
D	≤ 1000	600
C, K	≤ 1500	500
B, J	≤ 2000	450
A	≤ 2500	400
G	≤ 3500	300

TA19

series



General Features

TiMOTION's TA19 series is a quiet and telescopic style linear actuator suited for height-adjustable work tables. The telescopic tube design of the TA19 linear actuator allows for a longer stroke with a shorter retracted length and reduced installation dimensions. This linear actuator can also be equipped with Hall sensors for position feedback.

Voltage of motor

12V DC, 24V DC 24V DC (PTC)

Maximum load

1,000N in push

Maximum speed at full load

30mm/s (with 800N in a push condition)

Stroke

180~800mm

Minimum installation dimension

Stroke / 2 + 165mm

Certificate

IEC60601-1, ES60601-1, EMC

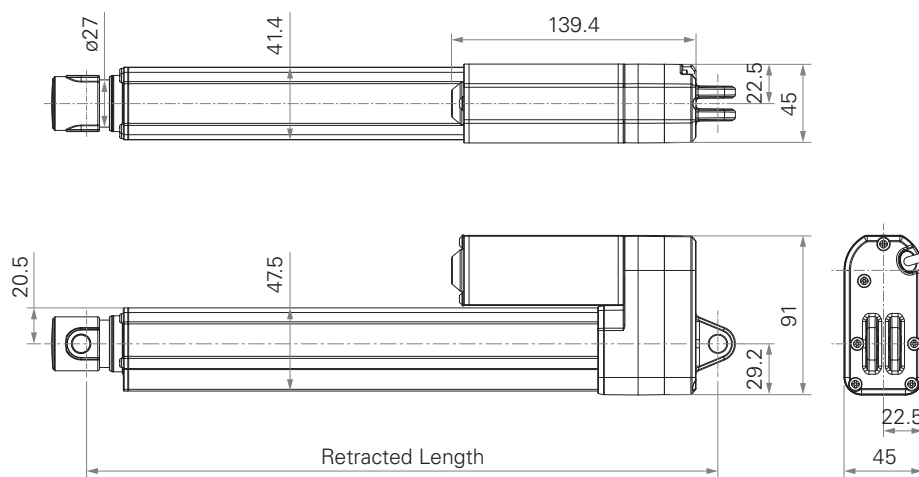
Operational temperature range

+5°C~+45°C

Options

Hall sensors

Standard Dimension (mm)



Load and Speed

	CODE	Load (N) Push	Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
				No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 3800RPM	A	600	400	2.5	3.2	51.0	27.0
Duty Cycle 10%	B	1000	1000	2.0	4.0	22.5	11.0
Motor Speed 5200RPM	C	800	400	2.5	6.5	64.0	30.0
Duty Cycle 10%	D	1000	1000	2.5	5.0	32.0	18.0
	E	800	500	2.5	6.0	54.0	26.5

NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Current and speed: Tested average value when extending in push direction.

TA21

series



General Features

TiMOTION's TA21 electric linear actuator was designed for use in height adjustable medical workstations. Customers have a high degree of design flexibility with this actuator as it does not include a standard outer tube. This allows manufacturers to decide on the exact aesthetic and ingress specifications for their electric lifting column and overall application.

Maximum load
10,000N in push

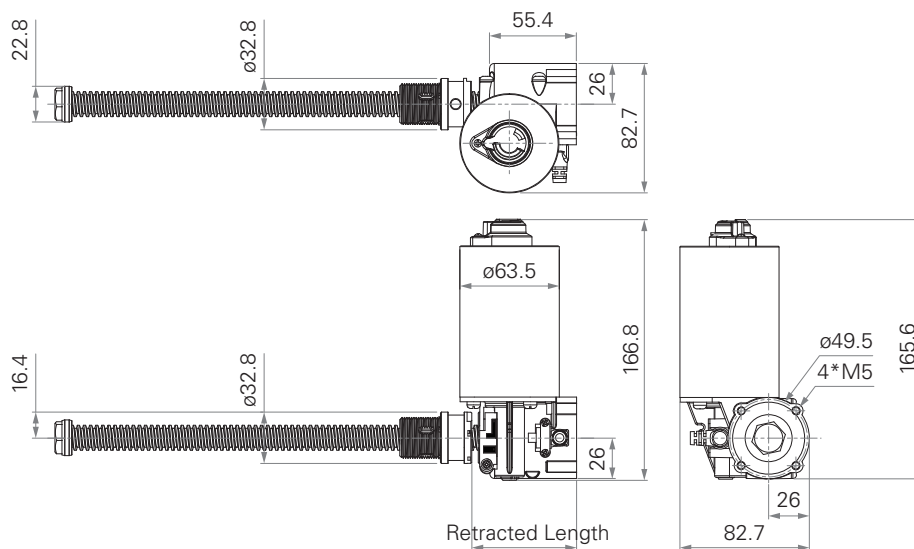
Maximum load
6,000N in pull

Maximum speed at full load
16.2mm/s (with 4,000N in a push or pull condition)

Color
Black or grey

Options
Safety nut, Hall/Reed sensor(s)

Standard Dimension (mm)



Load and Speed

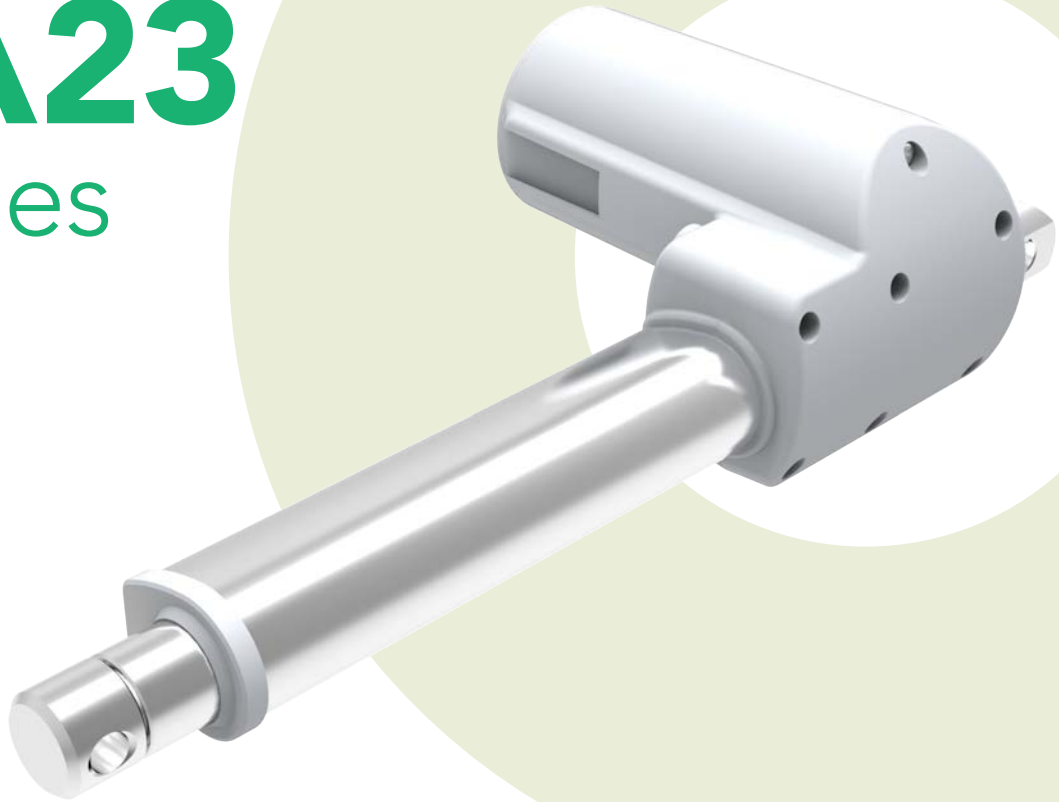
	CODE	Load (N)		Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull	No Load 24V DC	With Load 24V DC	No Load 24V DC	With Load 24V DC
Motor Speed	A	10000	6000	2.0	15.0	16.1	6.3
3800RPM	C	7000	6000	2.0	9.0	16.4	8.3
Duty Cycle 10%	D	4000	4000	2.0	9.5	32.9	16.2

NOTE

- 1 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 2 Operational temperature range: +5°C~+45°C

TA23

series



General Features

TiMOTION's TA23 series is a compact linear actuator primarily used for medical applications that require high force and high speed. This linear actuator also has the ability to save installation space by mounting the control box to the actuator. The TA23 linear actuator is available with IP rating up to IP66W. It also has Hall sensors for position feedback. The TA23 also has manual release option which can be used for patient hoist applications.

Maximum load
10,000N in push

Maximum load
4,000N in pull

Maximum speed at full load
23.4mm/s (with 1,000N in a push or pull condition)

Minimum installation dimension
Stroke + 163mm

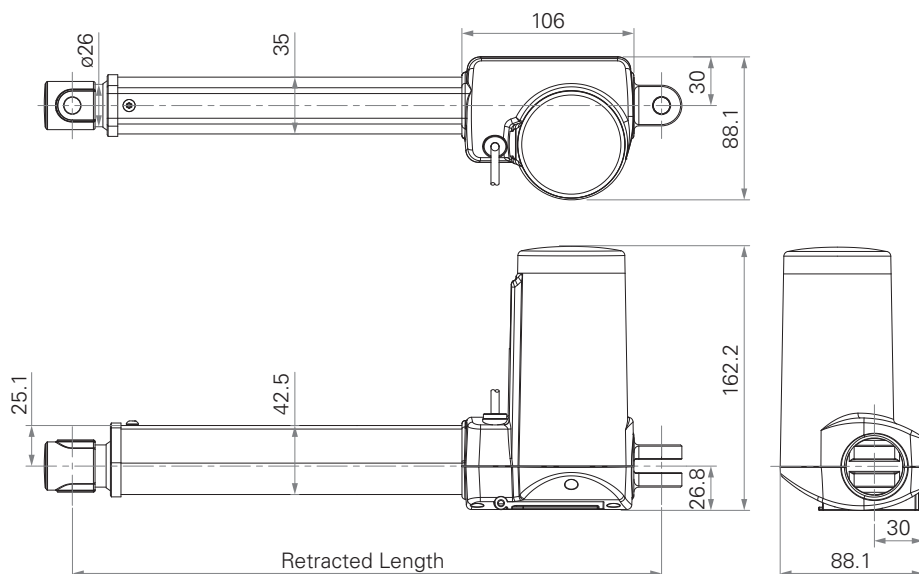
IP rating
Up to IP66W

Certificate
IEC60601-1, ES60601-1, IEC60601-1-2

Options
Hall sensor(s)

An economical solution with compact installation dimension

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 2600RPM Duty Cycle 10%	C	5000	4000	2500	0.8	3.5	8.0	4.1
	D	6000	4000	4000	0.8	3.5	6.0	3.1
	F	2500	2500	1500	0.8	3.2	15.9	8.3
	G	2000	2000	1000	0.8	2.8	21.4	12.1
	H	1000	1000	500	0.8	2.1	32.1	19.1
	J	3500	3500	2500	0.8	3.6	11.9	6.0
	K	8000	4000	5000	0.8	4.0	5.4	2.7
Motor Speed 3400RPM Duty Cycle 10%	L	6000	4000	4000	1.0	4.2	7.3	4.1
	N	2500	2500	1500	1.0	4.1	19.4	11.1
	O	2000	2000	1000	1.0	4.0	26.1	14.9
	P	1000	1000	500	1.0	3.0	39.0	23.4
	Q	3500	3500	2500	1.0	4.6	14.5	7.9
	R	8000	4000	5000	1.0	5.0	6.6	3.5
	T	5000	4000	2500	1.0	4.2	9.8	5.4
Motor Speed 3800RPM Duty Cycle 10%	Y	8000	4000	5000	1.2	5.3	7.7	4.4
	B	10000	4000	10000	1.2	5.3	5.7	3.2
	U	5000	4000	2500	1.2	4.7	11.3	6.6
	W	2500	2500	1500	1.2	4.6	23.0	13.4
	Z	3500	3500	2500	1.2	5.3	16.8	9.8

NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V. With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Current and speed: Tested average value when extending in push direction.
- 4 Operational temperature range: +5°C~+45°C
- 5 Standard stroke: Min. ≥ 25mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
K, R, Y, B	≥ 8000	450
D, L	= 6000	600
Others	< 6000	1000

TA24

series



General Features

The TA24 series linear actuator is suited for healthcare application. The certifications for the TA24 include IEC60601-1 and ES60601-1. In addition, the TA24 linear actuator is available with an optional up to IP66W rating. Other options include Hall or POT feedback sensors.

Maximum load
10,000N in push

Maximum load
6,000N in pull

Maximum speed at full load
8mm/s (with 6,000N in a push or pull condition)

Stroke
25~900mm

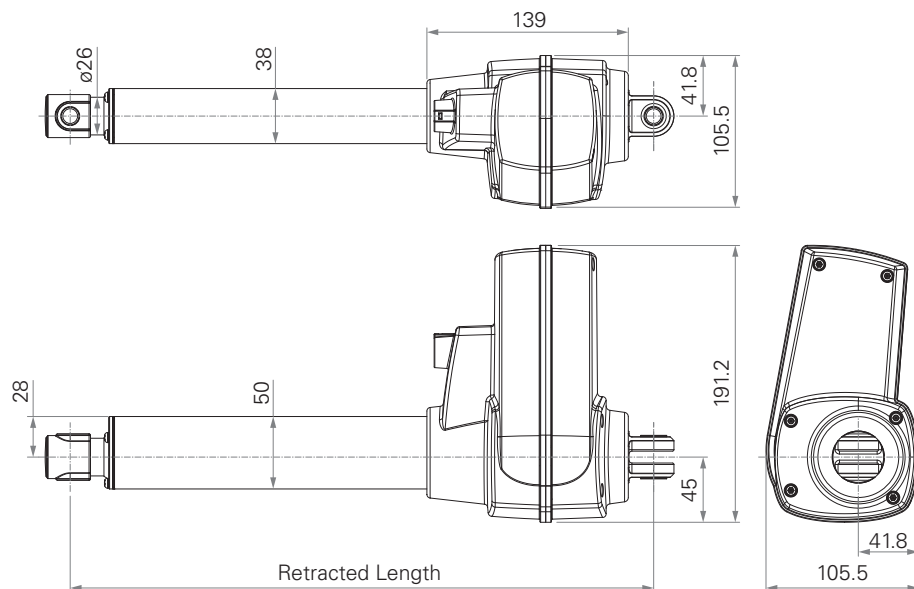
Minimum installation dimension
Stroke + 190mm

IP rating
Up to IP66W

Certificate
IEC60601-1, ES60601-1, IEC60601-1-2

Options
Safety nut, Hall / POT sensor(s)

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed	B	6000	6000	6000	1.5	6.0	13.9	8.0
4200RPM	C	8000	6000	8000	1.5	9.0	11.9	6.4
Long Motor	D	10000	6000	10000	1.5	9.8	10.3	5.4

NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V. With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Current and speed: Tested average value when extending in push direction.
- 4 Operational temperature range: +5°C~+45°C
- 5 Standard stroke: Min. ≥ 25 mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
B	6000	900
C	8000	800
D	10000	650

TA29 series



General Features

TiMOTION's TA29 series linear actuator is designed primarily for wheelchairs and the open legs of a patient hoist system. It can lift up to 4500N, yet has compact installation dimension.

Maximum load
4,500N in push

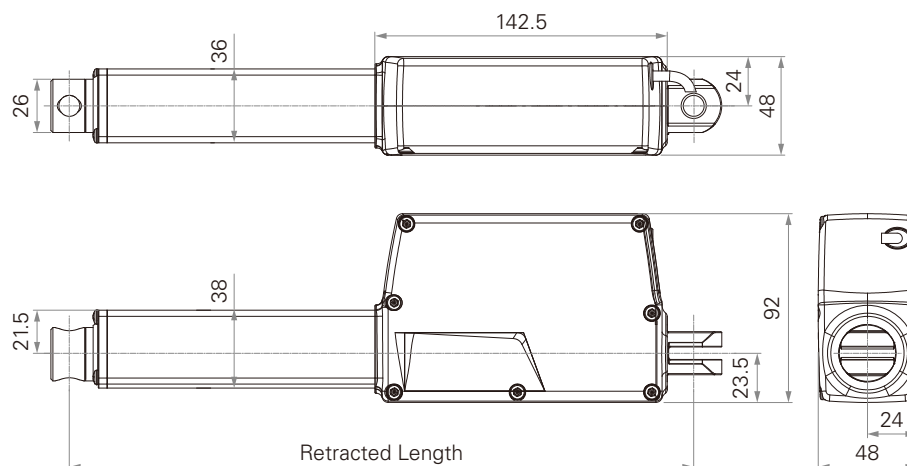
Maximum load
4,000N in pull

Maximum speed at full load
16mm/s (with 1,500N in a push or pull condition)

Minimum installation dimension
Stroke + 113mm (load < 3500N)

IP rating
Up to IP66W

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 5600RPM Duty Cycle 10%	B	1500	1500	1500	2.0	5.6	30.0	18.0
	C	2500	2500	2500	2.0	6.0	16.0	8.5
	D	3500	3500	3500	2.0	6.3	11.5	5.5
	E	4500	4000	4500	1.5	4.5	7.5	4.0
	F	4500	4000	4500	1.5	6.0	8.0	4.5
Motor Speed 4700RPM Duty Cycle 10%	H	1000	1000	1000	1.5	3.5	30.0	15.0
	K	1500	1500	1500	1.5	3.5	20.0	10.0
	L	2000	2000	2000	1.5	3.7	15.0	7.5
	M	2500	2500	2500	1.5	3.7	10.0	5.0
	N	4000	4000	4000	1.5	3.7	5.4	2.8

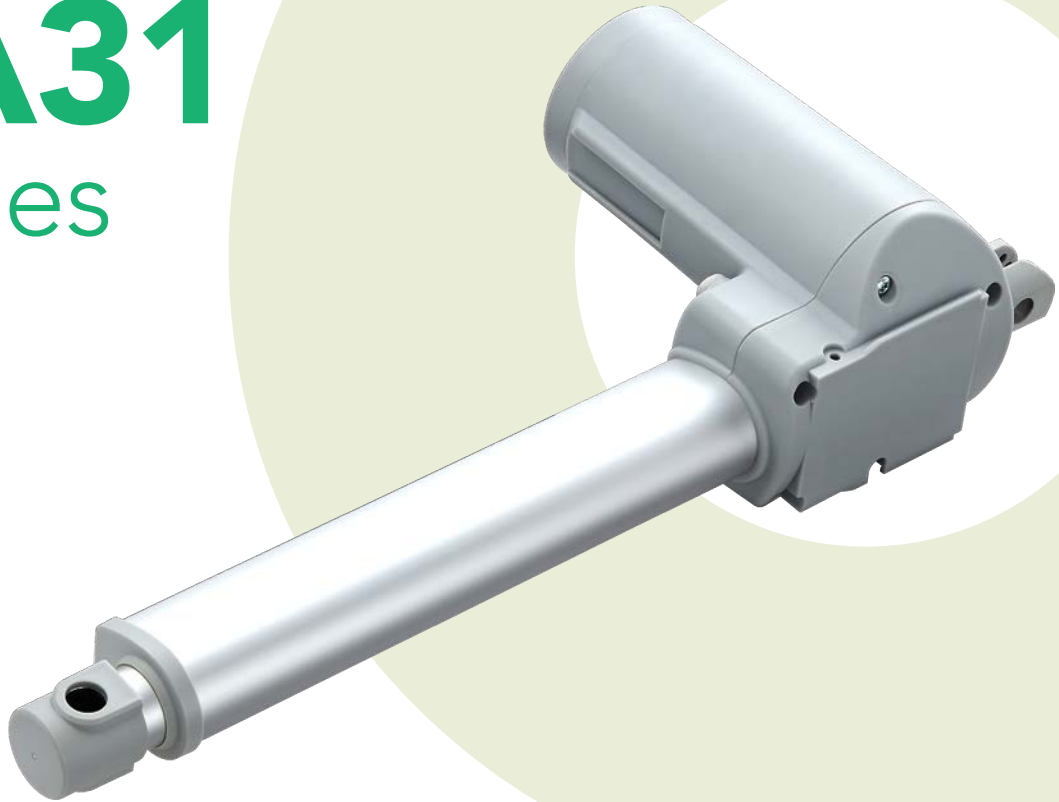
NOTE

- Parameters above are from tested average, please refer to approval drawing for final value.
- This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- Current and speed: Tested average value when extending in push direction.
- Operational temperature range: +5°C~+45°C
- Standard stroke: Min. ≥ 25mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
B	1500	600
C	2500	500
D	3500	400
E	4500	300

TA31

series



General Features

The TA31 is a simplification of our medical grade linear actuators. The TA31's simplicity provides an economical, yet high quality, option for medical applications such as medical beds, medical chairs, or home care options.

Maximum load

6,000N in push

Maximum load

3,000N in pull

Maximum speed at full load

13.5mm/s (with 2,000N in a push or pull condition)

Stroke

25~450mm

Minimum installation dimension

Stroke + 157mm

IP rating

Up to IP66W

Certificate

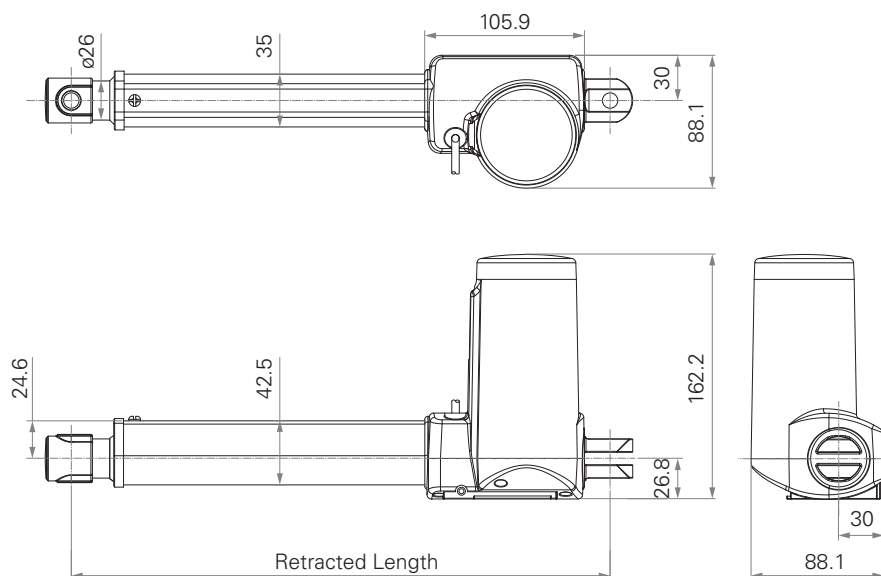
IEC60601-1, ES60601-1, IEC60601-1-2

Options

Safety nut, Hall sensor(s)

An economic solution with compact installation dimension

Standard Dimension (mm)



Load and Speed

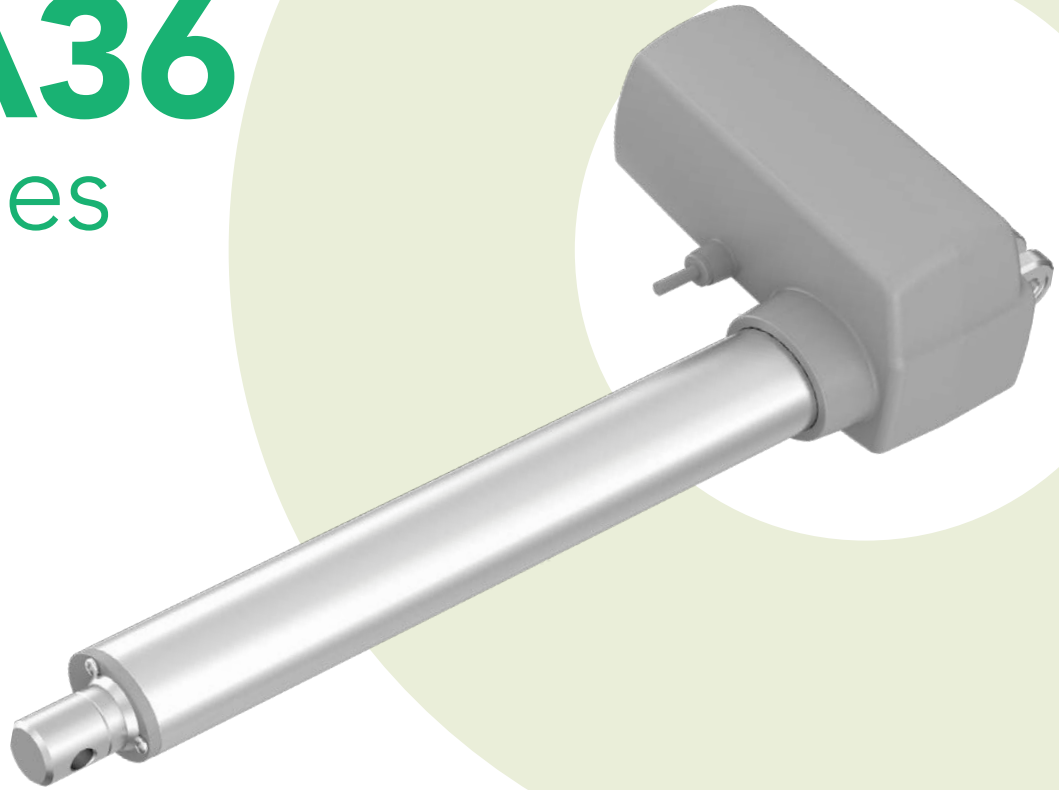
	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 3800RPM	B	6000	3000	6000	0.8	3.8	6.0	3.3
Duty Cycle 10%	D	3500	3000	3500	0.8	4.0	12.1	6.4
	E	2000	2000	350	0.8	3.4	24.2	13.5
Motor Speed 4500RPM	H	5000	3000	5000	1.0	4.0	7.6	4.7
Duty Cycle 10%								

NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Current and speed: Tested average value when extending in push direction.
- 4 Operational temperature range: +5°C~+45°C

TA36

series



General Features

TA36 is a specially design motor for surgery table applications. It aims for the tilt or Trendelenburg adjustment. TA36 is also suitable for high-load patient lifts system.

Voltage of motor

12, 24, 36V DC, 24V (PTC)

Maximum load

10,000N in push

Maximum load

6,000N in pull

Maximum speed at full load

8mm/s (with 6,000N in a push or pull condition)

Stroke

25~900mm

Minimum installation dimension

Stroke + 170mm

Color

Black or grey

IP rating

Up to IP66W

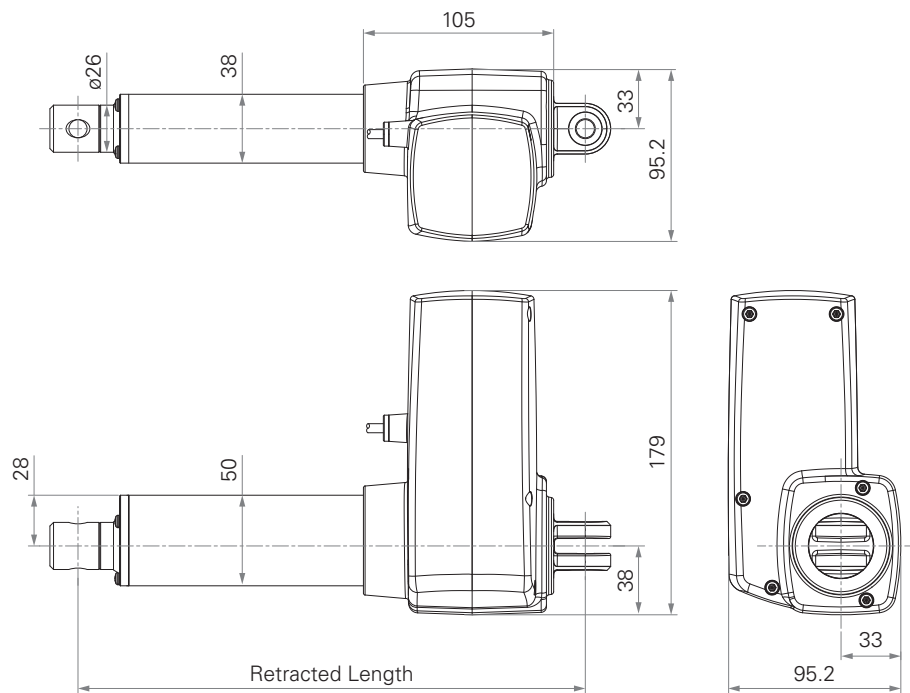
Options

Hall sensor(s)

Certificate

IEC60601-1, ES60601-1, IEC60601-1-2

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed	B	6000	6000	6000	1.5	6.0	13.9	8.0
4300RPM	C	8000	6000	8000	1.5	7.8	11.9	7.0
Duty Cycle 10%	D	10000	6000	10000	1.5	9.8	10.3	5.4
	E	10000	6000	10000	1.5	6.0	6.0	3.9

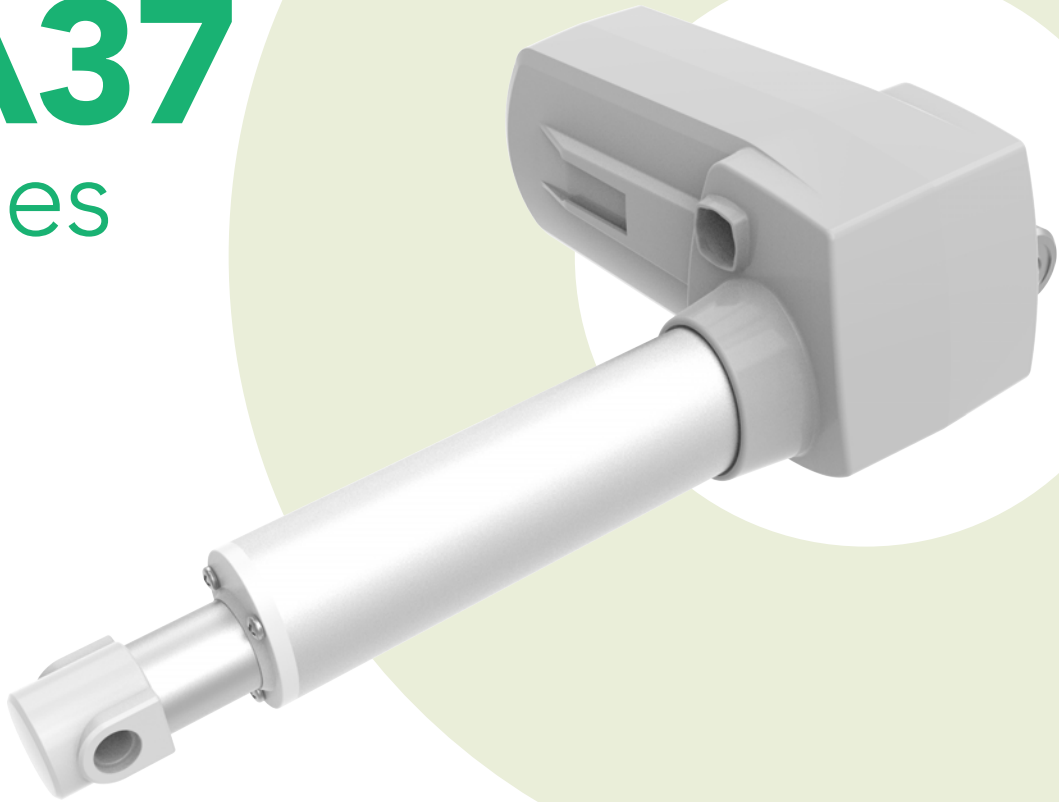
NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V. With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 3 Current and speed: Tested average value when extending in push direction.
- 4 Operational temperature range: +5°C~+45°C
- 5 Standard stroke: Min. ≥ 25mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
B	6000	900
C	8000	800
D	10000	650
E	10000	650

TA37

series



General Features

TA37 is a specially designed motor for treatment table applications.

Maximum load
10,000N in push / pull

Maximum speed at full load
20.5mm/s (with 4,000N in a push or pull condition)

Stroke
25~1000mm

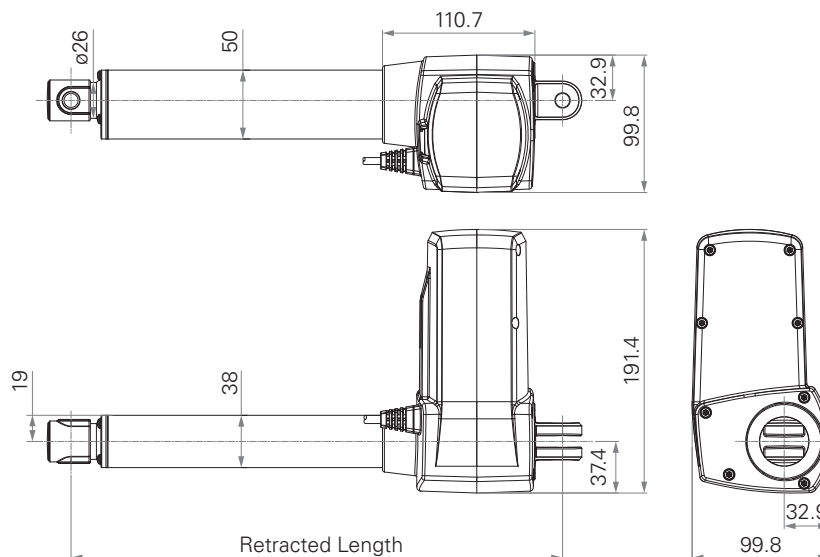
Minimum installation dimension
Stroke + 170mm

IP rating
Up to IP66W

Options
Hall sensor(s)

Certificate
IEC60601-1

Standard Dimension (mm)



Load and Speed

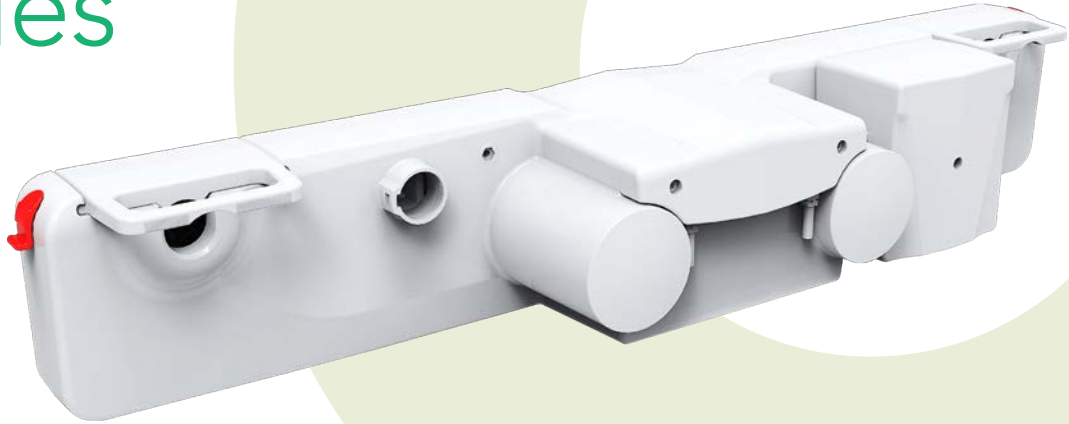
	CODE	Load (N) Push	Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
				No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed	D	8000	8000	2.0	8.5	13.3	8.7
4100RPM	E	10000	10000	2.0	9.7	11.5	7.3
Duty Cycle 10%							

NOTE

- 1 Max static pull load 4,000N (Factor 2), dynamic pull not allowed.
- 2 Parameters above are from tested average, please refer to approval drawing for final value.
- 3 With a 12V motor, the current is approximately twice the current measured in 24V. With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 4 This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- 5 Current and speed: Tested average value when extending in push direction.
- 6 Operational temperature range: +5°C~+45°C
- 7 Standard stroke: Min. ≥ 25mm, Max. please refer to below table.

Code	Load (N)	Max Stroke (mm)
B	4000	1000
C	6000	900
D	8000	800
E	10000	650

TT1 series



General Features

TiMOTION's economical TT1 series twin spindle actuator is specifically designed for home care and patient care facility beds. The TT1 electrical controls come standard with a range of voltages for use in multiple countries. It is also equipped with a SMPS transformer and has less than 0.5W of standby power consumption. A sophisticated housing design, with reliable mechanical stability, provides an alternative motor solution for various medical beds.

Main voltage

100~240V AC (input); SMPS 29V DC, 2.5A (output)

Maximum load

6,000N in push only

Dimension between shaft

581mm

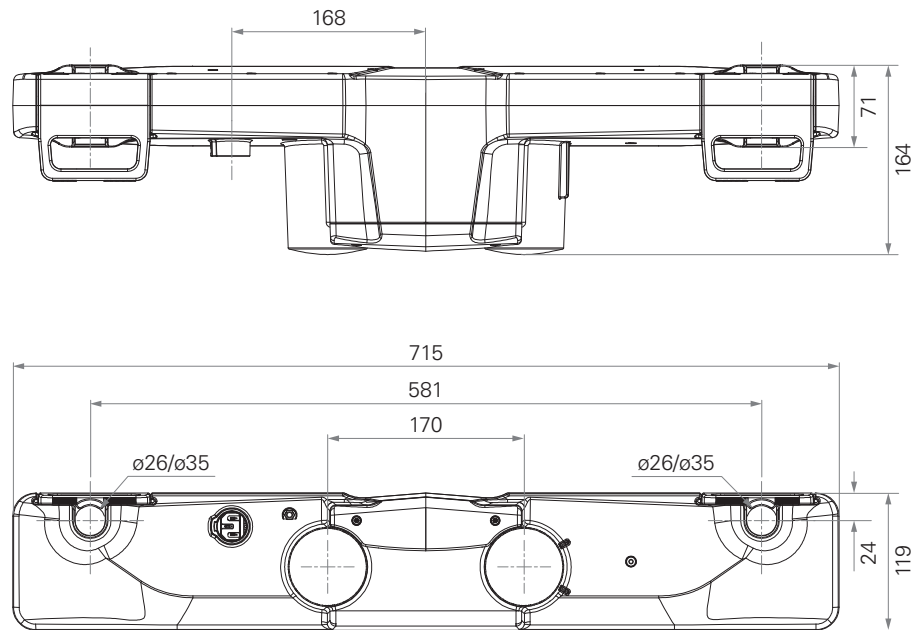
Maximum speed at full load

4.6mm/s (with 6,000N in a push condition)

Stroke

87mm for backrest; 69mm for footrest

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Typical Current at Rated Load (A)	Typical Speed (mm/s)	
		Push	Pull		No Load 32V DC	With Load 24V DC
Motor Speed 2600RPM	D	6000	0	3.5	5.2	3.5
Motor Speed 3400RPM	B	6000	0	3.5	6.8	4.6

TGM5

series



General Features

TiMOTION's TGM5 series gear motor was designed primarily for medical applications, but can be used in a wide range of other applications that require a water resistant motion product. This economical, high torque product allows for fast, smooth and quiet adjustment of built-in spindles through the use of external limit switches. Shafting allows for the mechanical synchronization of dual spindles.

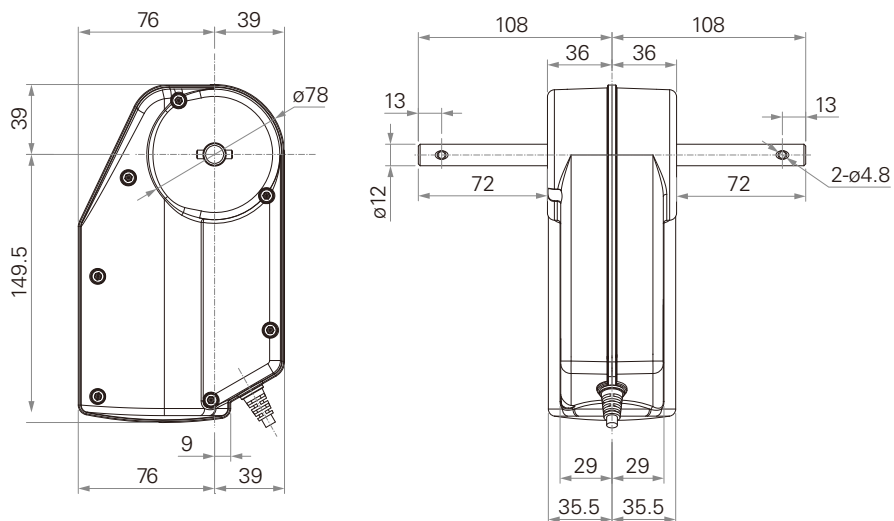
Maximum speed
107RPM ($\pm 5\%$) after gear reduction

Torque
15Nm after gear reduction

IP rating
Up to IP66

Certificate
UL962

Standard Dimension (mm)



Load and Speed

CODE	Rated Torque (Nm)	Self Locking Force (Nm)	Typical Current (A)		Typical Speed, ±5% (RPM)		Hall Sensor Output			
			No Load	With Load	No Load	With Load	Magnet Poles	Period (ms)		
			32V DC	24V DC	32V DC	24V DC		No Load 32V DC	With Load 24V DC	
Motor Speed 3800RPM Duty Cycle 10%	A	15	5	2.0	8.0	107	60	2	11.5~12.5	19.0~22.0

NOTE

1 The current & speed in table is tested with 24V DC.

TL3 series



General Features

The TL3 columns from TiMOTION are made up of three extruded aluminum tubes of rectangular shape that give the system great stability and a high stroke with reduced retracted length. This electric lifting column allows for an easy integration into many height adjustable applications.

Maximum load & self-locking force
4,000N in push

Maximum dynamic bending moment
1,000Nm

Maximum static bending moment
2,000Nm

Maximum speed at full load
24mm/s (with 1,000N in a push condition)

Minimum installation dimension
Stroke / 2+150mm

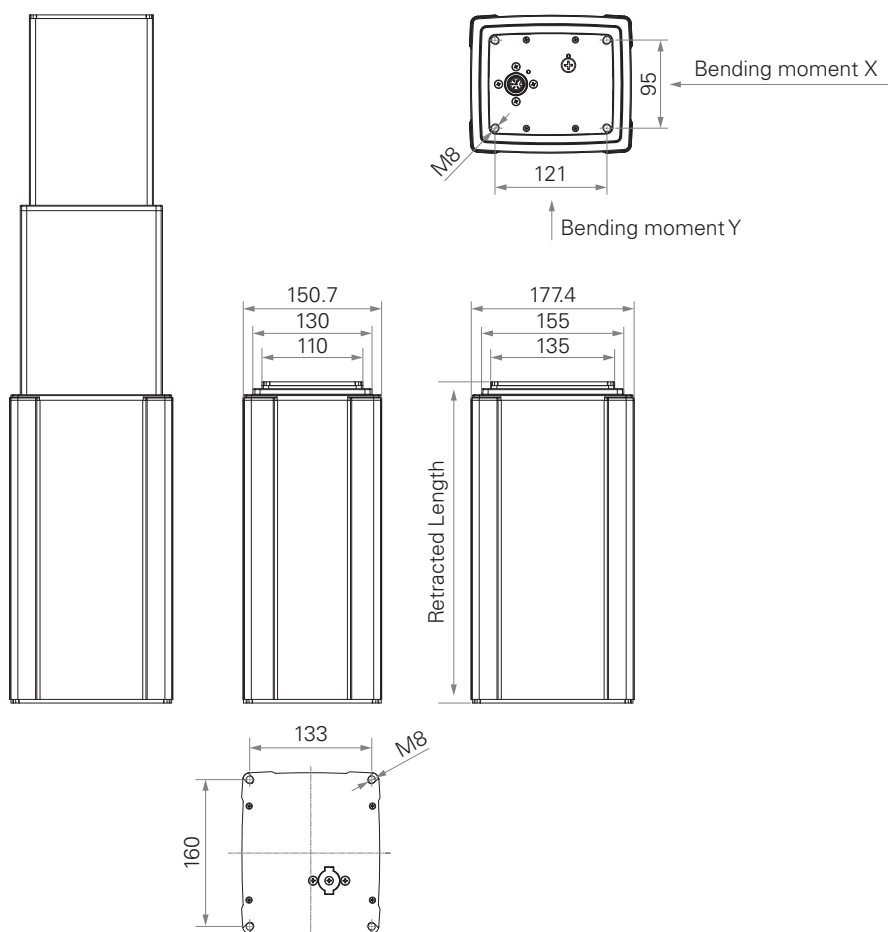
Dimension of cross section
177.4x150.7mm

Stroke
250~1200mm

Certificate
IEC60601-1, EMC

Options
POT, Hall sensor(s), direct cut system

Standard Dimension (mm)



Load and Speed

	CODE	Load (N) Push	Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
				No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed	B	4000	4000	2.5	6.3	14.5	7.6
2200RPM	C	2000	2000	2.5	4.3	22.0	13.0
Duty Cycle 10%	D	1000	1000	2.5	3.8	39.0	24.0
Motor Speed	E	4000	4000	3.5	7.5	18.5	9.4
2800RPM	F	2000	2000	3.5	6.3	35.0	20.0
Duty Cycle 10%							
Motor Speed	G	4000	4000	4.0	12.0	31.0	15.0
3400RPM							
Duty Cycle 10%							

NOTE

- Parameters above are from tested average, please refer to approval drawing for final value.
- With a 12V motor, the current is approximately twice the current measured in 24V; speed will be similar for both voltages.
- This self-locking force level is reached only when a short circuit is applied on the terminals of the motor. All the TiMOTION control boxes have this feature built-in.
- Operational temperature range: +5°C~+45°C
- Bending moment Y direction = X * 0.8
- Static bending moment = Dynamic * 2

TL8 series



General Features

TiMOTION's TL8 series columns are designed with a 3 stage cylindrical appearance and built-in motors. It was designed primarily for use in medical applications. The TL8 provides stable vertical lifting. This makes the engineering design process easier and safer by replacing older style lifting mechanisms that use many moving stages and have pinch points.

Maximum load

2,000N in push

Maximum speed at full load

19.9mm/s (with 1,000N in a push condition)

Minimum installation dimension

≥ Stroke / 2+150mm

Stroke

200~400mm

Dimension of outer tube

Ø124.4mm

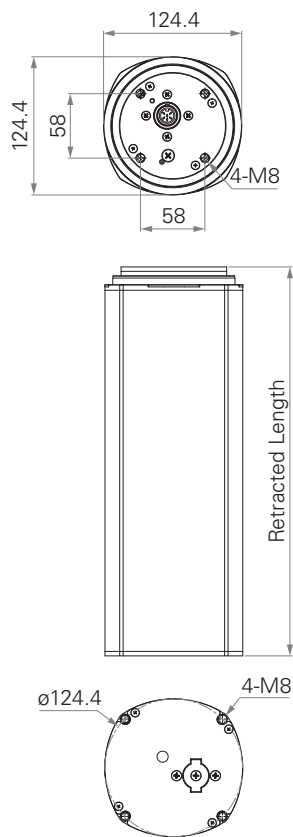
Certificate

IEC60601-1, ES60601-1

The TL8 can only be used in pairs

The TL8 is recommended for push applications only

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)	Bending Moment (Nm)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Dynamic	Static		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 5200RPM	A	2000	500	1000	2000	1.7	4.0	16.5	9.6
	B	1000	250	500	1000	1.7	3.6	32.6	19.9

NOTE

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

2 The current & speed are tested with 24V DC motor.

TL17 series



General Features

TiMOTION's TL17 series electric lifting columns are designed specifically for medical applications. Constructed with an extruded aluminum rectangular appearance, our TL17 lift column provides a high degree of stability. This column makes engineering and design processes easier and the system safer by replacing older style lifting mechanisms that have many moving parts and pinch points. The 3 stage, telescopic design provides a greatly reduced retracted height and an increased stroke length.

Maximum load

2,000N in push

Maximum dynamic bending moment

250Nm

Maximum static bending moment

500Nm

Maximum speed at full load

22mm/s
(with 1,000N in a push condition)

Minimum installation dimension

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

Dimension of cross section

169.4x121.4mm

Stroke

250~1200mm

IP rating

Up to IPX6

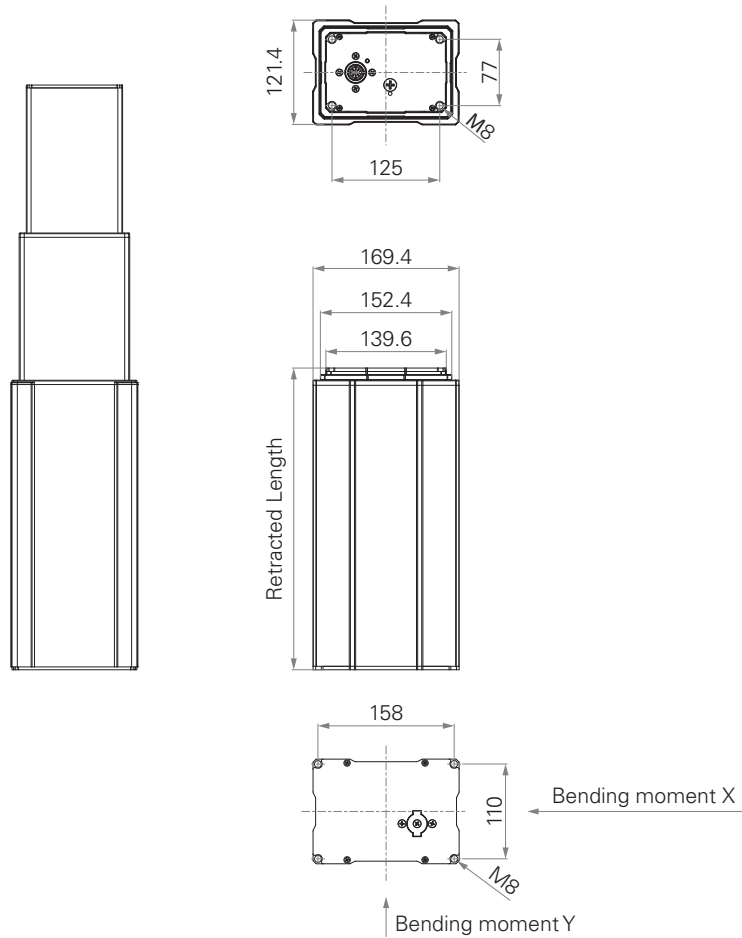
Certificate

IEC60601-1, ES60601-1, IEC60601-1-2

Options

Hall sensor(s)

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)		Bending Moment - X Direction (Nm)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Dynamic	Static	No Load 32V DC		With Load 24V DC	No Load 32V DC	With Load 24V DC	
Motor Speed 2800RPM	B	2000	250	500	2000	2.5	4.3	21.5	10.5	
	C	1000	250	500	1000	2.5	4.3	41.0	22.0	
	D	1500	250	500	1200	2.5	4.5	34.5	16.0	

NOTE

- Parameters above are from tested average, please refer to approval drawing for final value.
- With a 12V motor, the current is approximately twice the current measured in 24V; speed will be similar for both voltages.
- Bending moment Y direction = X * 0.8

TL18

series



General Features

TiMOTION's TL18 column is designed for medical applications such as nurse carts, ophthalmological devices, X-ray machines, etc. The TL18 features an extruded aluminum rectangular appearance. Our high capacity, yet economical, TL18 provides stable vertical lifting. This streamlines the engineering design process and replaces the older style, unsafe lifting mechanisms which have many moving stages and pinch points.

Maximum load & self-locking force
4,500N in push

Maximum dynamic bending moment
250Nm

Maximum static bending moment
500Nm

Maximum speed at full load
28mm/s (with 500N in a push condition)

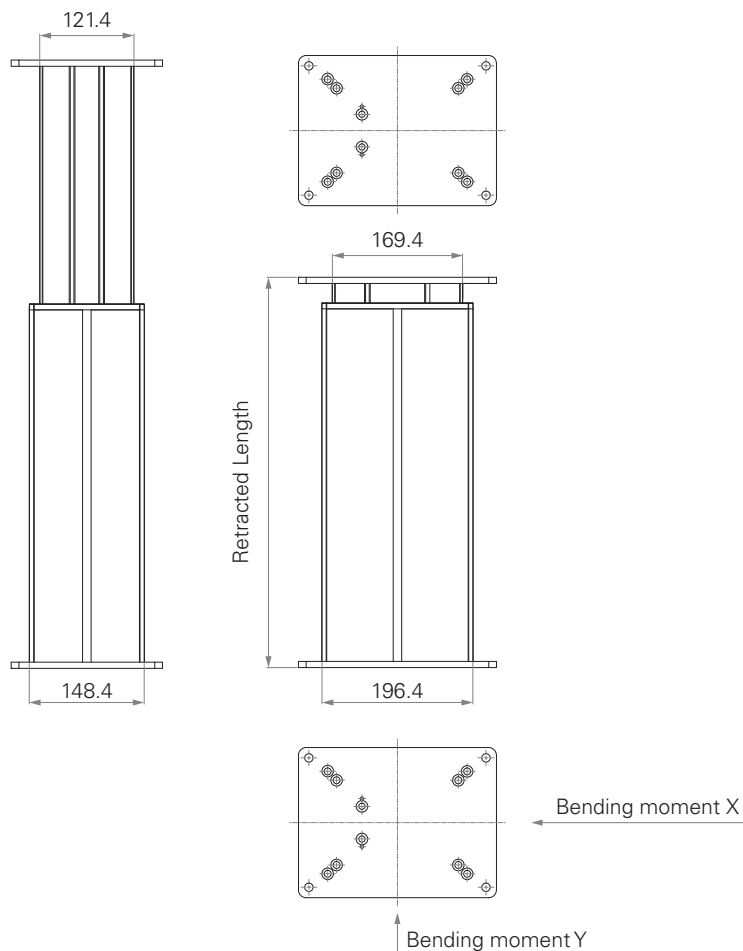
Minimum installation dimension
Stroke + 147mm

Stroke
100~700mm

Options
Hall sensor(s), cable exit from top / bottom side, direct cut system

Certificate
IEC60601-1, ES60601-1, IEC60601-1-2

Standard Dimension (mm)



Load and Speed

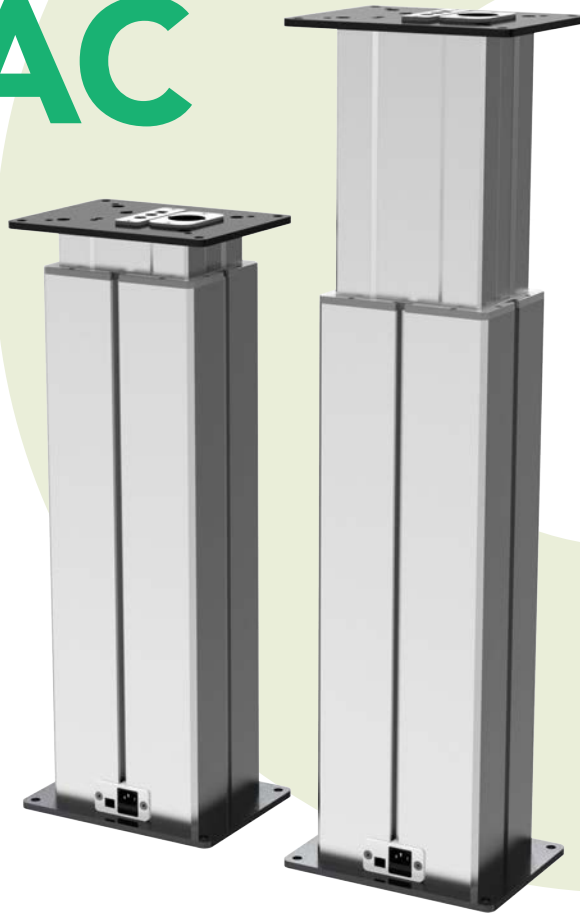
	CODE	Load (N)	Bending Moment - X Direction (Nm)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Dynamic	Static		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 3800RPM	U	4500	250	500	4500	2.5	4.9	11.4	6.6
	Z	3000	250	500	3000	2.5	5.5	17.1	9.5
	W	2000	250	500	2000	2.5	4.8	22.9	13.1
	S	1500	250	500	1500	2.5	4.7	30.0	18.9
	V	500	250	500	500	2.5	4.0	45.0	28.0

NOTE

- 1 With a 12V motor, the current is approximately twice the current measured in 24V; speed will be similar for both voltages.
- 2 Parameters above are from tested average, please refer to approval drawing.
- 3 Bending moment Y direction = X * 0.8

TL18AC

series



General Features

TiMOTION's TL18AC electric lifting column is designed for medical application such as height adjustable workstations, screen and lifting tables. The TL18AC features an extruded aluminum rectangular appearance. It is equipped with AC plug to connect the computers, TV or other device directly.

Maximum load & self-locking force
4,500N in push

Maximum dynamic bending moment
250Nm

Maximum static bending moment
500Nm

Maximum speed at full load
28mm/s (with 500N in a push condition)

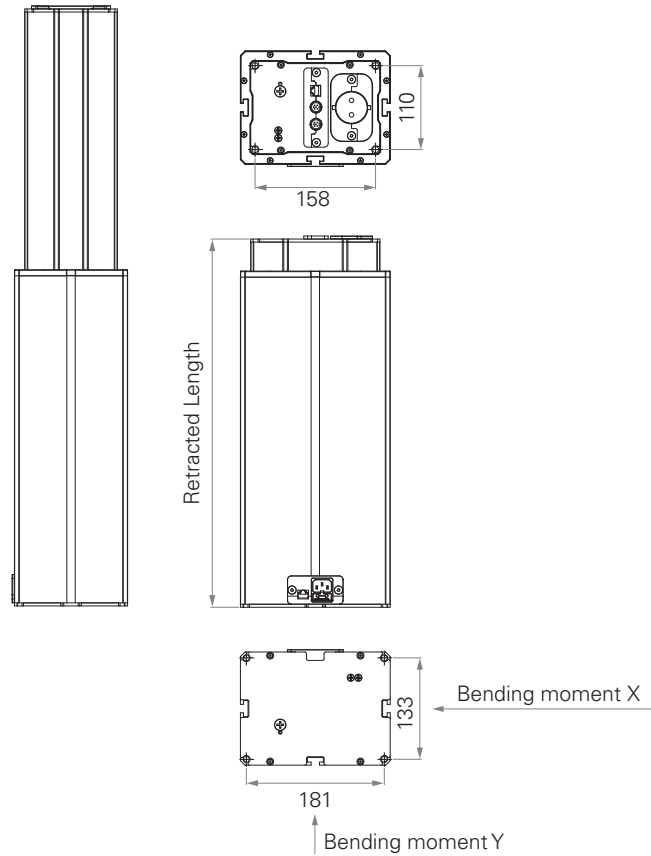
Minimum installation dimension
Stroke + 183mm

Stroke
200~700mm

Options
AC cable exit from top end, top side;
Ethernet socket

Certificate
IEC60601-1-2, UL73

Standard Dimension (mm)



Load and Speed

	CODE	Load (N)	Bending Moment - X Direction (Nm)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Push	Dynamic	Static		No Load 32V DC	With Load 24V DC	No Load 32V DC	With Load 24V DC
Motor Speed 3800RPM	U	4500	250	500	4500	2.5	4.9	11.4	6.6
	Z	3000	250	500	3000	2.5	5.5	17.1	9.5
	W	2000	250	500	2000	2.5	4.8	22.9	13.1
	S	1500	250	500	1500	2.5	4.7	30.0	18.9
	V	500	250	500	500	2.5	4.0	45.0	28.0

NOTE

- Parameters above are from tested average, please refer to approval drawing for final value.
- The current & speed are tested with 24VDC motor.
- With a 12V motor, the current is approximately twice the current measured in 24V; speed will be similar for both voltages.
- Bending moment X direction = As table
- Bending moment Y direction = X * 0.8

Control Boxes



TC1 Series

- Number of actuators: 1~4
- IP rating: Up to IP66
- Built-in transformer type: EI, toroidal, or SMPS
- Maximum output: 30V DC, 5A
- Certificate: IEC60601-1, ES60601-1, IEC60601-1-2



TC8 Series

- Number of actuators: 1~7
- Number of handsets: 1~3
- IP rating: Up to IP66
- Certificate: IEC60601-1, EN60601-1-2



TC10 Series

- Number of actuators: 1~5
- Number of hand controls: 1~2
- IP rating: Up to IP66
- Built-in transformer type: EI, toroidal or SMPS
- Maximum output: 29V DC, 5A
- Certificate: IEC60601-1, ES60601-1



TC12 Series

- Number of actuators: 1~3
- Detachable battery pack: 24V DC, 2.9Ah or 5Ah
- IP rating: Up to IP54
- Certificate: IEC60601-1, ES60601-1, IEC60601-1-2
- Options: With LCD display
- With wall mount battery charger or battery charger dock
- Emergency stop button



TC14 Series

- Number of actuators: 1~4
- IP rating: Up to IP66
- Certificate: IEC60601-1, ES60601-1, IEC60601-1-2



TC17 Series

- Number of actuators: 1~4
- Built-in transformer type: EI, SMPS
- Maximum output: 29V DC, 2A



TC20 Series

- Number of actuators: 1~3
- Input voltage: 100~240V AC
- Battery box: 24V, 2.9Ah / 5Ah
- IP rating: Up to IP66
- Options: With cable management bracket
- Emergency stop button
- Easy installation



TC21 Series

- Number of actuators: 1~5
- Number of hand controls: 1~2
- IP rating: Up to IP66W
- Maximum output: 32V DC, 2.5 / 4A
- Options: Back-up battery, compatible with TRF2 - wireless receiver, TRL - reading light, or TBL - bed bottom light
- Certificate: IEC60601-1, IEC60601-1-2



TBB2 Series

Back-up power

- Capacity: 1.2Ah
- Input voltage: 29~45V DC
- Output voltage: 24V DC, 1.2A
- IP rating: Up to IP66W
- Certificate: IEC60601-1, ES60601-1



TBB4 Series

Back-up power

- Capacity: 2Ah
- Input voltage: 29~45V DC
- Output voltage: 24V DC, 2A
- IP rating: Up to IP66W
- Certificate: IEC60601-1, ES60601-1
- With on / off function, it's able to keep or stop discharging



TBB5 Series

Li-ion battery

- Capacity: 4Ah
- Input voltage: 29~40V DC
- Output voltage: 25.6V DC, 4A
- IP rating: Up to IP66W
- Certificate: UN38.3



TBB6 Series

Back-up power

- Capacity: 2.9 or 5Ah
- Input voltage: 29~45V DC
- Output voltage: 24V DC, 2.9 / 5A
- Low standby power consumption
- Certificate: IEC60601-1, ES60601-1



TBB7 Series

Back-up power

- Capacity: 2.9 or 5Ah
- Input voltage: 29~45V DC
- Output voltage: 24V DC, 2.9 / 5A
- Certificate: IEC60601-1, ES60601-1
- Low standby power consumption
- Detachable battery pack

Power Supplies



TP4 Series

- Transformer type: EI, toroidal or SMPS
- Input voltage: 110 / 120 / 230V AC, or 100~240V AC (SMPS)
- Maximum output: 30V DC, 5A
- IP rating: Up to IP66
- Certificate: IEC60601-1, ES60601-1



TP6 Series

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Maximum output: 31.5V DC, 5A
- IP rating: Up to IP66
- Certificate: IEC60601-1, ES60601-1



TP8 Series

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Maximum output: 29V DC, 2.5A
- IP rating: Up to IP66
- Certificate: IEC60601-1, ES60601-1, IEC60601-1-2
- Wall mount design



TP9 Series

- Transformer type: SMPS
- Input voltage: 100~240V AC
- Maximum output: 29V DC, 2.5A
- IP rating: Up to IP66
- Certificate: IEC60601-1, ES60601-1, PSE

Controls



TH1 Series

- Connected actuators: 1~4
- Maximum available buttons: 10
- IP rating: Up to IP66
- Certificate: RoHS



TH2 Series

- Connected actuators: 1~4
- Maximum available buttons: 10
- IP rating: Up to IP66W
- Options: Safety key



TH7 Series

- Connected actuators: 1~4
- Maximum available buttons: 10
- IP rating: Up to IP66W
- Options: Safety key



TH10 Series

- Connected actuators: 1~4
- Maximum available buttons: 10
- IP rating: Up to IP66W
- Options: Back light, safety key



TH12 Series

- Connected actuators: 1~4
- Maximum available buttons: 12
- IP rating: Up to IP66
- Options: Back light, safety key



TH21 Series

- Connected actuators: 1~3
- Maximum available buttons: 8
- IP rating: Up to IP66
- Design for direct cut current system (no need for control box)

Controls



TH24 Series

- Connected actuators: 1~3
- Maximum available buttons: 6
- IP rating: Up to IP66



TH26 Series

- Connected actuators: 1~3
- Maximum available buttons: 6
- IP rating: Up to IP66
- Options: Back light



TH30 Series

- Connected actuators: 1~4
- Maximum available buttons: 10
- With wireless function: IEEE802.15.4 standard
- Working with wireless receiver: TRF2
- Operating distance: 3~7m
- Certificate: IEC60601-1



TMH1 Series

- Connected actuators: 1~4
- Maximum available buttons: 10
- IP rating: Up to IP66
- With safety key, hook, and flash light
- Compatible with TNC series, used as a nurse calling system



TMH3 Series

- Connected actuators: 1~3
- Maximum available buttons: 6
- IP rating: Up to IP66
- With safety key, hook, and flash light
- Compatible with control boxes - TC12 or TC20, used for patient hoist system



TMH5 Series

- With a LCD display, showing all the data and bed condition
- IP rating: Up to IP66



TNP1 Series

- Maximum available buttons : 27
- Control up to 7 channels in connection with TC8
- IP rating: Up to IP66
- Can be used as lock-out box
- Can hook on the rail



TNP2 Series

- Maximum available buttons : 17
- Control up to 7 channels in connection with TC8
- IP rating: Up to IP66
- Can be used as lock-out box
- Mounted into side rail directly
- Options: Back cover



TNP3 Series

- Maximum available buttons: 11
- Control up to 7 channels in connection with TC8
- IP rating: Up to IP66
- Can be used as lock-out box



TNP4 Series

- Maximum available buttons: 15
- Control up to 7 channels in connection with TC8
- IP rating: Up to IP66
- Mounted into side rail or foot board directly
- Can be used as lock-out box



TNP5 Series

- Maximum available buttons: 25
- Control up to 7 channels in connection with TC8
- IP rating: Up to IP66
- Can hook on the rail
- With 3.5 inches LCD display, showing all the data and bed condition



TNP6 Series

- Maximum available buttons: 17
- Control up to 7 channels in connection with TC8
- IP rating: Up to IP66
- Can hook on the rail
- Options: Safety key

Controls



TFH1 Series

- Maximum available buttons: 12
- IP rating: Up to IP66W
- Options: Reading light
- Flexible gooseneck
- Can be fixed on the head board or side rail



TFS Series foot switch

- Anti-slipping paddle
- Compatible with all control boxes of TiMOTION



TFS2 Series foot switch

- Maximum available buttons: 6
- IP rating: Up to IP66



TFS3 Series foot switch

- Maximum available buttons: 2
- IP rating: Up to IP66
- Options: Back up battery or cable less control



TFS5 Series foot switch

- Maximum available buttons: 4
- IP rating: Up to IP66
- Options: With back up battery or wireless control



TFS6 Series foot switch

- Maximum available buttons: 10
- IP rating: Up to IP66
- Options: Wireless or cable control

Accessories



TBC2 Series
battery charger

- Options: Charging dock
- Designed specifically to recharge the control box - TC12 series
- The TBC2 must be ordered separately when ordering TC12



TBL Series
bed bottom light

- Comprised of 10 or 15 pcs small LED
- 2 x M5 holes for installation
- Low power consumption: 0.8W



TCR Series
AC cable reel

- Angle of AC plug: 90° or 180°
- Color: Black or grey



TEB Series
emergency button

- Push for emergency stop
- Twist-to-reset



TEB2 Series
emergency button

- External switch for emergency use
- IP rating: Up to IP66



TJB2 Series
junction box

- Junction box with a compact design that consists of 2 actuators and 2 hand controls



TJB3 Series
junction box

- A signal switch box
- It can support maximum 2 membrane switches, 25 buttons, and 18 indicator lights



TJB5 Series
junction box

- A signal switch box
- Connect actuators: 1~3
- Connect hand controls: 1~2

Accessories



TES Series
external switch

- External switch to limit the movement of actuators



TLB Series
lock box

- Actuator lock box and hand control hub
- Suitable for nurse / attendant safety control



TRF2 Series
wireless receiver

- Receiver for wireless hand control
- Max. remote distance: 5~7m
- Extra socket for wire hand control
- LED indicator



TRL1 Series
reading light

- LED reading light
- Mounted into the medical bed directly
- Flexible gooseneck



TSS Series
safety strip

- Safety strip to limit the movement of actuators
- Customized length/ number of sections



TYC Series
Y cable

- Extension cable for multiple hand controls / motors
- Compact design



TYC2 Series
Y cable

- Extension cable for multiple hand control with RJ connector and socket
- IP rating: Up to IP66W

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Every Day is Earth Day

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

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