TA5L

series

Product Segments

- **Comfort Motion**

TiMOTION's TA5L series linear actuator is a cutting-edge product that is manufactured with a specially formulated plastic material for the inner tube, outer tube and other key internal components. The patented TA5L linear actuator has obtained certifications from TUV, RoHS, EN 55014-1/2, UL 962 and xenon testing.

The TA5L linear actuator is designed to work with zero-wall seating frames and is the perfect choice for recliner movement. Its design enhances the life of the chair frame by using the plastic material to disperse stress.

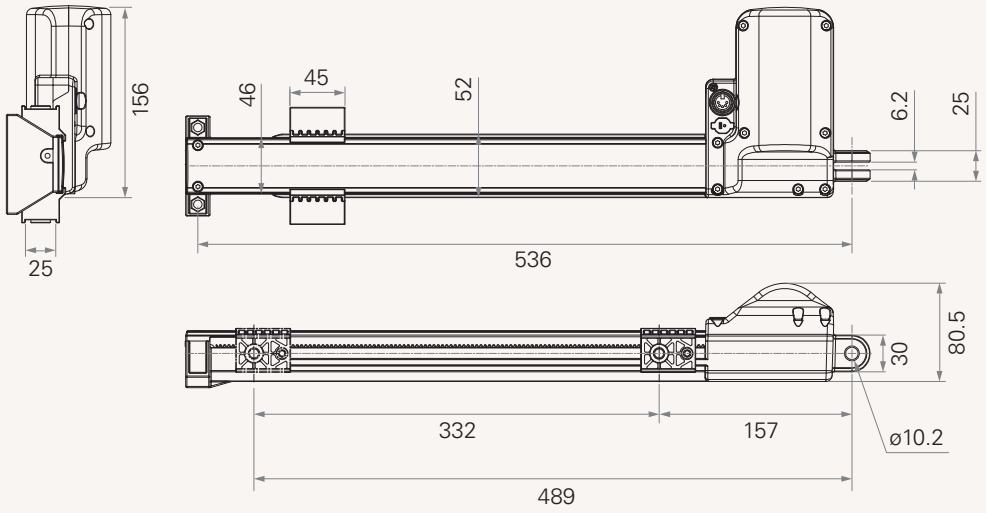
General Features

Voltage of motor	24V DC
Maximum load	1,200N in push
Maximum speed at no load	43.2mm/s
Maximum speed at full load	20.8mm/s
Color	black
Noise level	under 48dB(A)
Certificate	Noise level test (SGS), RoHS, EN 13759: 2012, EN 55014-1, UL 962

With, Taiwan, China and USA Patent

Drawing

Standard Dimension
(mm)



Load and Speed

CODE	Rated Load PUSH N	Self Locking N (PUSH)	Typical Current at Rated Load (A)	Typical Speed No Load (32V DC) mm/s	Typical Speed Rated Load (24V DC) mm/s
Motor Speed (2600RPM)					
A	1200	1200	4.2	32.8	17.8
Motor Speed (3400RPM)					
B	1200	1200	5.0	43.2	20.8

Note

1 The left diagram shows the speed and current figures under pushing condition.

Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application.

Due to continuous development in order to improve our products, TiMOTION products are subject to frequent modifications and changes without prior notice.

TiMOTION reserves the right to discontinue the sale of any products displayed on its website or listed in its catalogue or other written materials drawn up by TiMOTION.

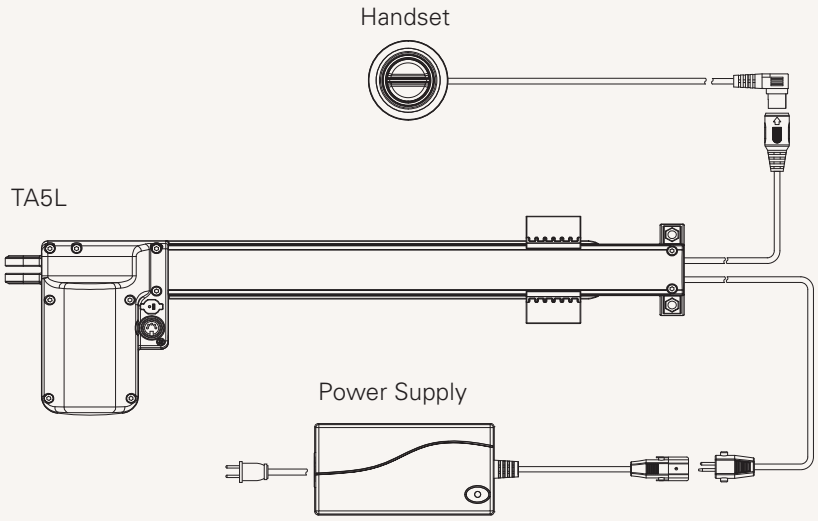
Applied Seating Frame

5302

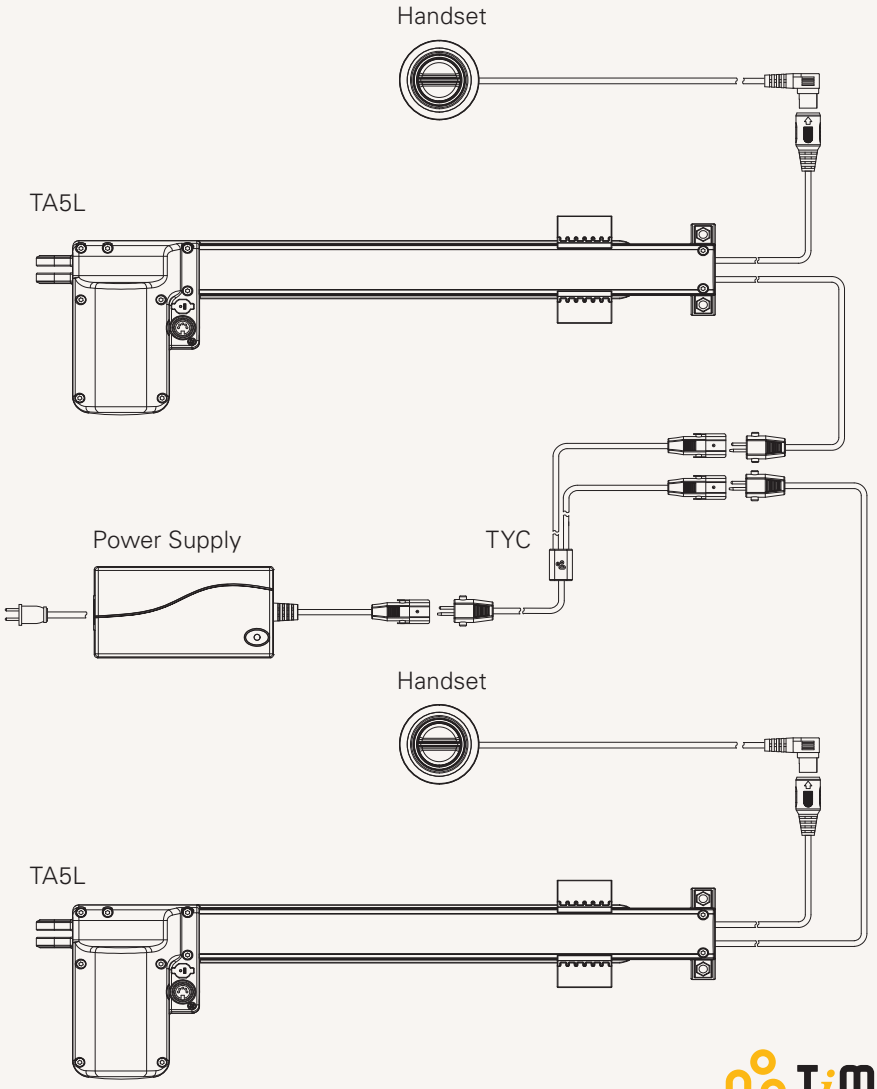
5311

Drawing

1 Actuator



2 Actuators



Power Supply

TP2P

TP5P

TP7

Handset

TH4

TH5

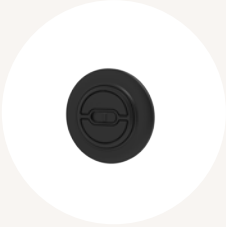
TH15

TH16

TH19

TH23

TFH2



TFH3

TFH6

TA5L Ordering Key

TiMOTION

TA5L

Version: 20130411-B

Voltage	2 = 24V			
Load and Speed	See appendix			
Stroke (mm)	332mm			
Retracted Length (mm)	157mm			
Function for Limit Switch	0 = Direct cut type	A = Customized		
Output Signals	0 = Without	A = Customized		
Plug	0 = Without (direct cut without plug out) 3 = TiMOTION's standard small 01 plug		A = Customized	
Cable Length	0 = Without	1 = Straight, 500mm	A = Customized	