







Product Segments

Comfort Motion

TiMOTION's TA5 series linear actuator offers an alternative to tube-style linear actuators by utilizing a linear slide to move the load, instead of a standard extension tube. This feature allows for a significantly shorter retracted length and makes the TA5 a great solution for furniture applications such as recliners or lift chairs. The TA5 linear actuator has attained EMC, UL, RoHS, and EN60601-1 certifications. Available options for the TA5 are Hall sensors and a special L-shaped mounting bracket.

General Features

Voltage of motor 12V DC, 24V DC, or 36V DC

Maximum load 6,000N in push
Maximum load 3,000N in pull
Maximum speed at no load 58.0mm/s
Maximum speed at full load 30.0mm/s
Color black

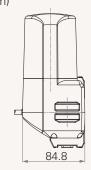
Certificate IEC60601-1 and ES60601-1
Options Hall sensor(s), L-shaped bracket

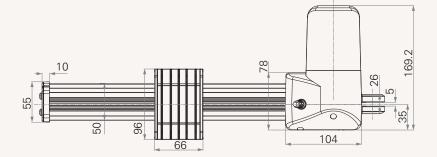
Specially designed for recliner

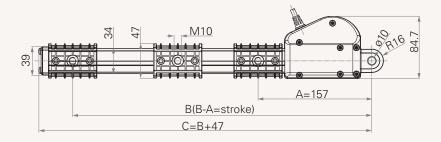
Outer tube assembled by 3 aluminum pieces

Drawing

Standard Dimension (mm)







Load and Speed

CODE	Rated Load		Self	Typical	Typical Speed	
	PUSH N	PULL N	Locking N (PUSH)	Current) at Rated Load (A)	No Load (32V DC) mm/s	Rated Load (24V DC) mm/s
Motor S	peed (2600	RPM)				
Α	750	750	250	4.5	44.5	23.6
С	5000	3000	2500	5.0	7.1	3.9
D	6000	3000	4000	5.0	5.4	2.9
E	3000	3000	1500	4.0	11.0	6.2
F	2500	2500	1000	4.0	15.8	7.8
G	2000	2000	1000	5.0	22.5	13.0
Н	1200	1200	350	4.0	33.0	19.0
J	3000	3000	3000	4.5	11.1	5.8
Motor S	peed (3400	RPM)				
L	6000	3000	4000	5.0	7.0	3.9
M	3000	3000	1500	4.8	14.6	8.2
N	2500	2500	1000	4.5	21.0	11.0
0	2000	2000	1000	4.5	29.2	16.0
P	1200	1200	350	5.0	43.5	23.0
Q	3000	3000	3000	5.2	14.5	7.6
S	750	750	250	4.5	58.0	30.0
T	5000	3000	2500	5.0	9.2	4.6

Note

- 1 The left diagram shows the speed and current figures under pushing condition.
- 2 Speed would be the same if with 12V motor, but with double current consumption.
- 3 Options: C/D/E/F/G/J/L/M/N/O/ Q/T use metal bearing, and others use plastic bearing.

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.



TA5 Ordering Key



				Version: 20140	
Voltage	1 = 12V	2 = 24V	3 = 36V		
Load and Speed	See appendix				
Stroke					
(mm)					
Retracted Length					
(mm)					
Decelor on The French Ford	0 = Without	1 Laborard brooks	O Flet plate (stondard)		
Bracket on The Front End	U = VVITNOUT	1 = L-shaped bracket	2 =Flat plate (standard)		
Functions for	1 = Two switches at the re	tracted/extended positions to cu		4 = Two switches at the retracted/extende	
Limit Switches	2 = Two switches at the re with the third one in be	tracted/extended positions to cu etween to send signal	to send signal		
	3 = Two switches at the re	tracted/extended positions to se	nd signal A = Custom	iized	
Output Signals	0 = Without	1 = One Hall sensor	2 = Two Hall sensors		
Plug	1 = TiMOTION's standard 6pin plug		2 = Tinned leads	A = Customized	
Cable Length	1 = Straight, 500mm	4 = Straight, 1250mm	7 = Coiled, 200mm		
	2 = Straight, 750mm	5 = Straight, 1500mm	8 = Coiled, 400mm		