

TA16

Series



Product Segments

Care Motion
Comfort Motion

TA16 Series

TecHome'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 EN60601-1 and ES60601-1.

General Features

Voltage of motor	12V DC or 24V DC
Maximum load	3,500N in push/pull
Maximum speed at full load	13.5mm/s (with 1,500N in a push or pull condition)
Standard stroke	20~1000mm
Minimum installation dimension	Stroke+112mm
Color	Silver
Protection class	Up to IP66
Option	Hall sensor(s)
Certificate	EN60601-1 and IEC60601-1 compliant
Operational temperature range	+5°C~+45°C

With very low noise, small size for easy installation

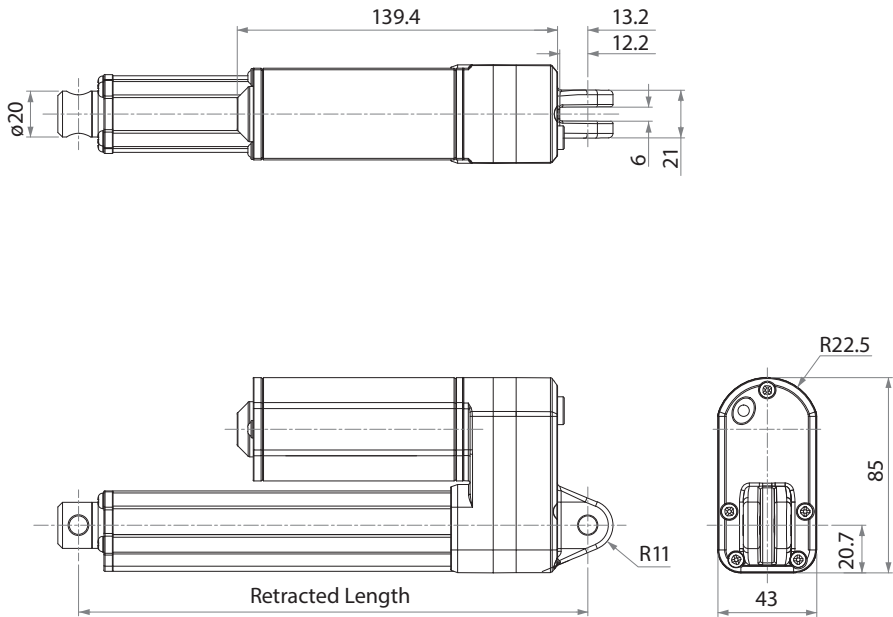


MOTION AND AUTOMATION

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Drawing

Standard Dimensions
(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%)							
A	2500	2500	2500	0.9	2.8	5.2	3.0
B	2000	2000	2000	0.9	2.8	8.3	4.7
C	1500	1500	1000	0.9	2.8	11.9	7.0
D	1000	1000	1000	1.0	2.8	17.7	10.3
Motor Speed (5600RPM, Duty Cycle 10%)							
G	3500	3500	2000	1.5	4.7	12.0	6.5
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. With a 36V motor, the current is approximately two-thirds the current measured in 24V; speed will be similar for both voltages.
- 2 Above self lock performance needs working with TecHome control system.