

TA45

series



Product Segments

- **Ergo Motion**

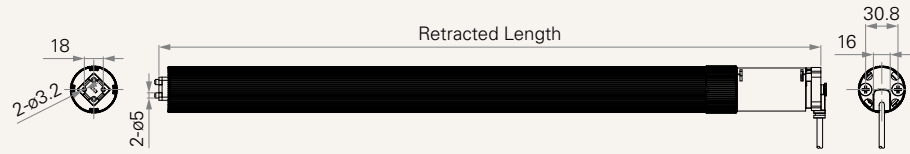
TA45 is a 2-stage inline actuator designed for seamless integration with lifting columns. It's slim, streamlined structure makes it ideal for a variety of height-adjustable applications, including tables, cabinets, storage units, and trolleys. Engineered for smooth and reliable performance, the TA45 delivers precision and versatility to meet diverse adjustment needs.

General Features

Max. load	700N (push)
Max. speed at max. load	35mm/s
Max. speed at no load	44mm/s
Retracted length	≥ Stroke + 200mm
Stroke	50~600mm
Output signals	Hall sensors
Operational temperature range	+5°C~+45°C
Suitable for 2-stage desk columns	

Drawing

Standard Dimensions
(mm)



Load and Speed

CODE	Rated Load (N)	Typical Current (A)		Typical Speed (mm/s)	
		No Load 29V DC	With Load 29V DC	No Load 29V DC	With Load 29V DC
Motor Speed (5200RPM, Duty Cycle 10%)					
C	700	≤ 2.5	≤ 5.5	44	35

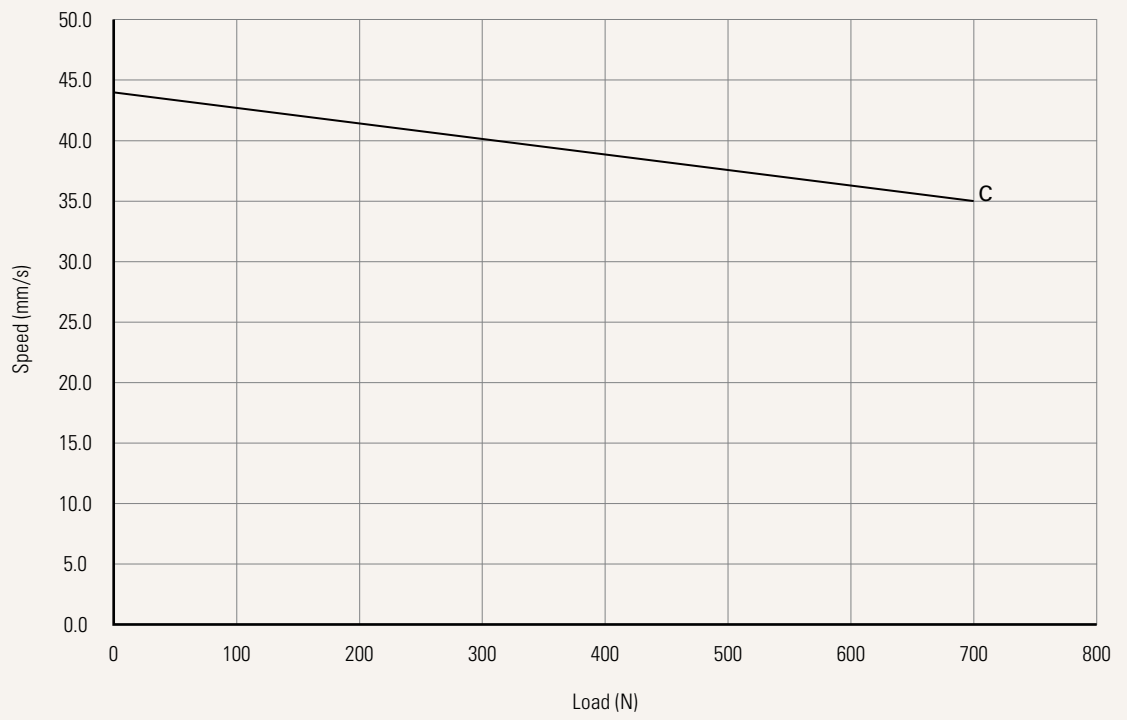
Note

- 1 The TA is designed especially for push applications, not suitable for pull applications.
- 2 Above self lock performance needs working with Timotion control system.
- 3 Parameters above are from tested average, please refer to approval drawing for final value.

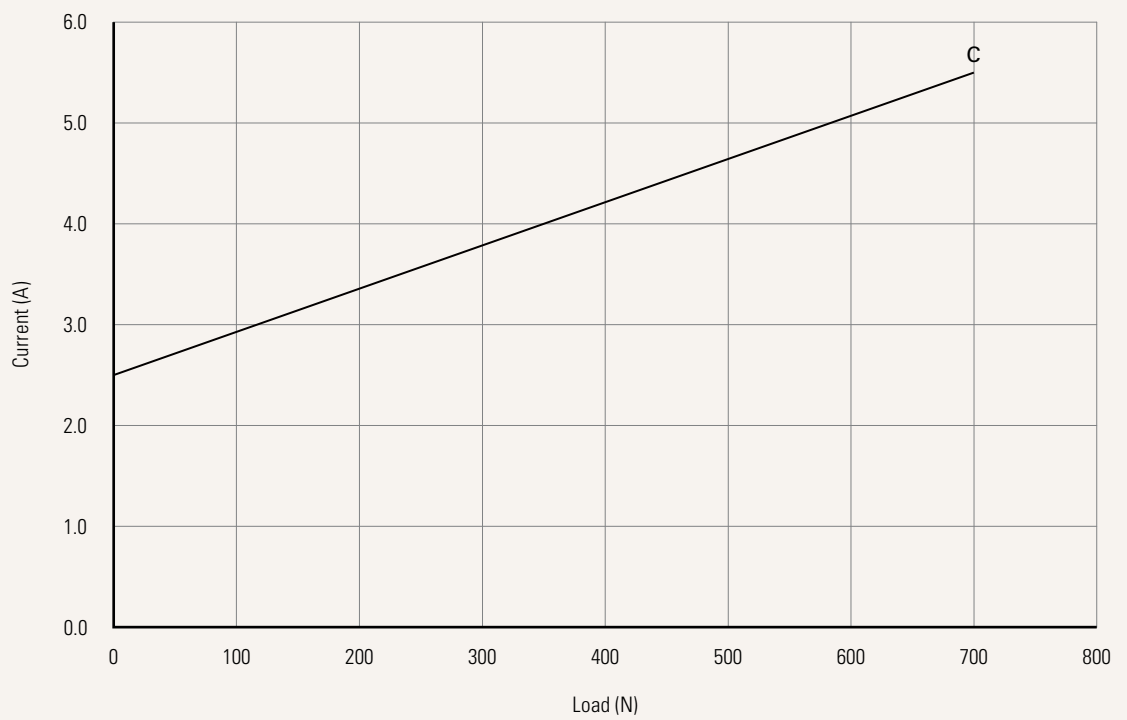
Performance Data (29V DC Motor)

Motor Speed (5200RPM)

Speed vs. Load



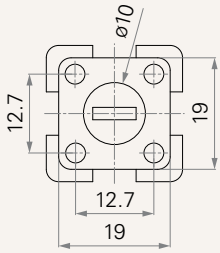
Current vs. Load



Load and Speed	See page 2		
Stroke (mm)	50-600		
Retracted Length (mm)	Minimum retracted length needs to \geq (stroke+200)		
Front Attachment (mm)	2 = Plastic See page 5		
Output Signals	2 = Hall sensor*2, standard		
Connector	G = Molex 6P, 180° plug	H = Molex 6P, 180° socket, Standard See page 5	
Cable Length (mm)	1 = Straight, 200 See page 5		
Extension Cable Connector	1 = Molex 6 pin (plug) to Molex 8 pin (plug), 180° plug, Standard 2 = Molex 6 pin (plug) to Molex 8 pin (socket), 180° socket 3 = Molex 6 pin (socket) to Molex 8 pin (plug), 180° plug See page 6		
Extension Cable Length (mm)	1 = Straight, 500	3 = Straight, 1000	4 = Straight, 1500 See page 6

Front Attachment (mm)

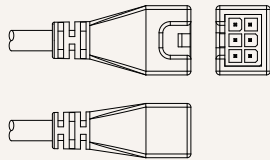
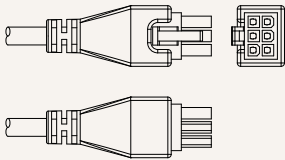
2 = Plastic



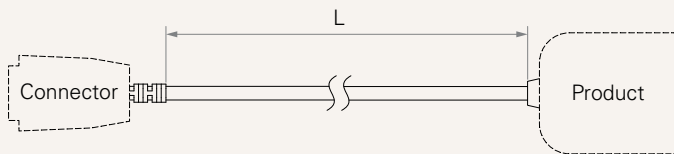
Connector

G = Molex 6P, 180° plug

H = Molex 6P, 180° socket, Standard



Cable Length (mm)

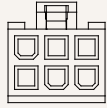


Cable Section (mm)

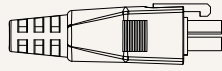
CODE	L
1	200

Extension Cable Connector

1 = Molex 6 pin (plug) to Molex 8 pin (plug), 180° plug, Standard

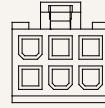
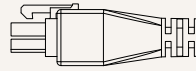


Molex 6 pin, plug

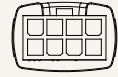
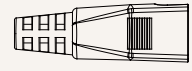


Molex 8 pin, plug

2 = Molex 6 pin (plug) to Molex 8 pin (socket), 180° socket

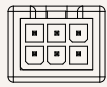
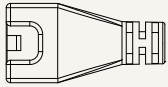


Molex 6 pin, plug

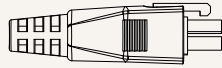


Molex 8 pin, socket

3 = Molex 6 pin (socket) to Molex 8 pin (plug), 180° plug

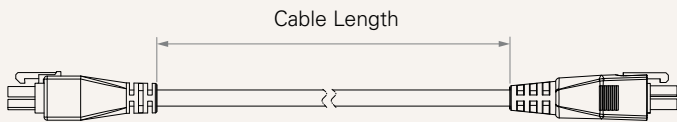


Molex 6 pin, socket



Molex 8 pin, plug

Extension Cable Length (mm)



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