

TL56

series



Product Segments

• Comfort Motion

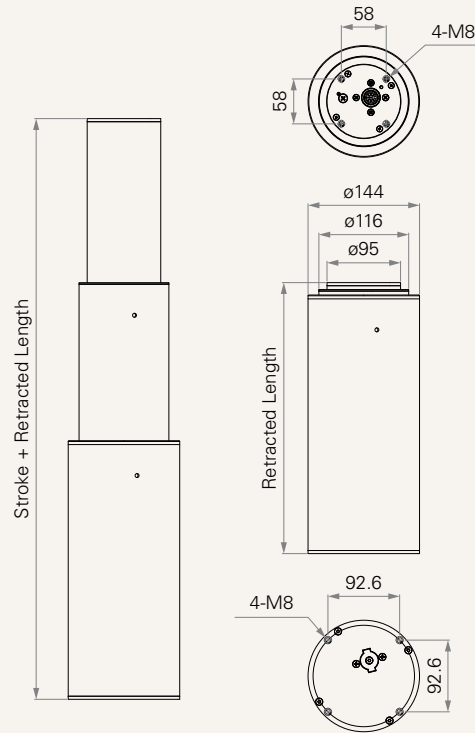
The TL56 is part of TiMOTION's medical lifting column range , designed with a three-stage telescopic structure and round profile , making it ideal for medical applications. It's design ensures stable vertical lifting, with smooth and reliable operation throughout . Particularly suited for surgical and examination tables, the TL56 offers two cable exit options: from the top or bottom socket, enhancing installation flexibility.

General Features

Max. load	2,000N (push)
Self-locking force	2,000N
Max. dynamic bending moment	500Nm
Max. static bending moment	1000Nm
Max. speed at max. load	9.6mm/s
Max. speed at no load	16.5mm/s
Retracted length	≥ Stroke/2 + 150mm
IP rating	IPX6
Outer profile	Ø144mm round
Stages	3-stage
Stroke	200~400mm
Output signals	Hall sensors
Voltage	12/24V DC, 24V DC (thermal control)
Color	Silver
Operational temperature range	+5°C~+45°C

Drawing

Standard Dimensions
(mm)



Load and Speed

CODE	Push (N)	Bending Moment (Nm)		Self Locking Force (N)	Typical Current (A)		Typical Speed (mm/s)	
		Dynamic	Static		Brake #0	No Load 32V DC	With Load 24V DC	No Load 32V DC
Motor Speed (5200RPM)								
B	1000	250	500	1000	1.7	3.6	32.6	19.9
C	2000	500	1000	2000	2.3	4.3	16.5	9.6

Note

- Parameters above are from tested average, please refer to approval drawing for final value.
- The current & speed are tested with 24VDC motor.