Lifting Column
DLC2

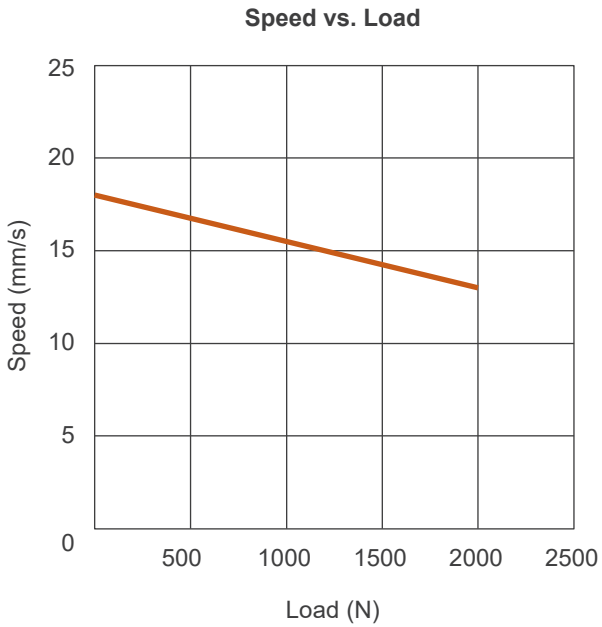
DLC2 is a 2-part in-line lifting column featuring quiet and moving speed. Attributing to robust design, DLC2 can be used as a single column or combined columns as synchronization system, which is applicable to lifting table, work bench, and work station… etc.

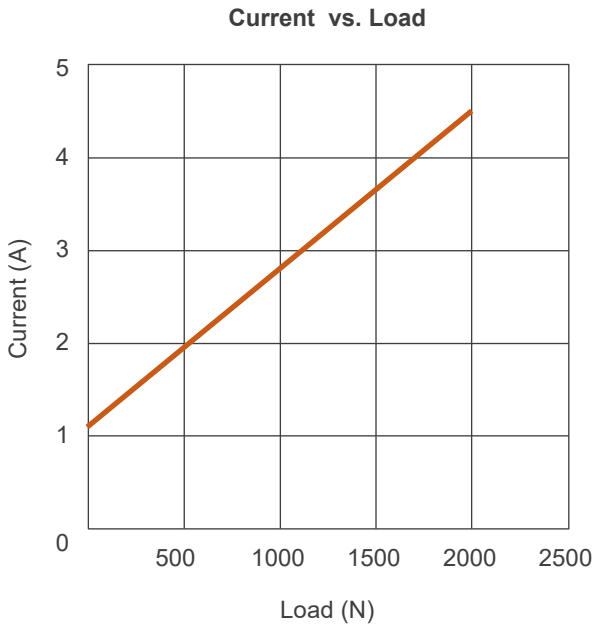
Features and Option

- Main applications: Homecare, furniture
- Input voltage: 24V DC
- Max. load: 2000N
- Typical speed at no load: 18 mm/s
- Typical speed at full load: 13 mm/s (2000N loaded)
- Stroke: 140/261/450mm
- Bending moment: 1000Nm (static) / 750Nm (dynamic)
- Anodized aluminum body
- Preset limit switches
- Noise level: ≦53dB
- Duty cycle: 10%, max. 2 min. continuous operation in 20 min.
- Ambient operation temperature: 0°C ~ +45°C
- Optional positioning signal feedback with Hall effect sensor x 2

Performance Data

Model No.	Push / Pull Max. (N)	*Typical Speed (mm/s)		*Typical Current (A) @ 29V	
		No load	Full load	No load	Full load
DLC2-24**H6**-XXX.XXX-0X00X	2000	18	13	1.1	4.5





Remarks:

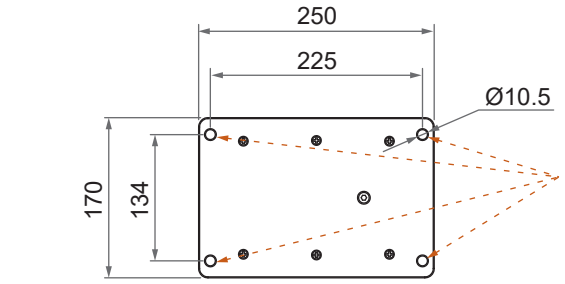
* The typical speed or typical current means the average value neither upper limit nor lower limit.
The performance curves are made with typical values.

Dimensions

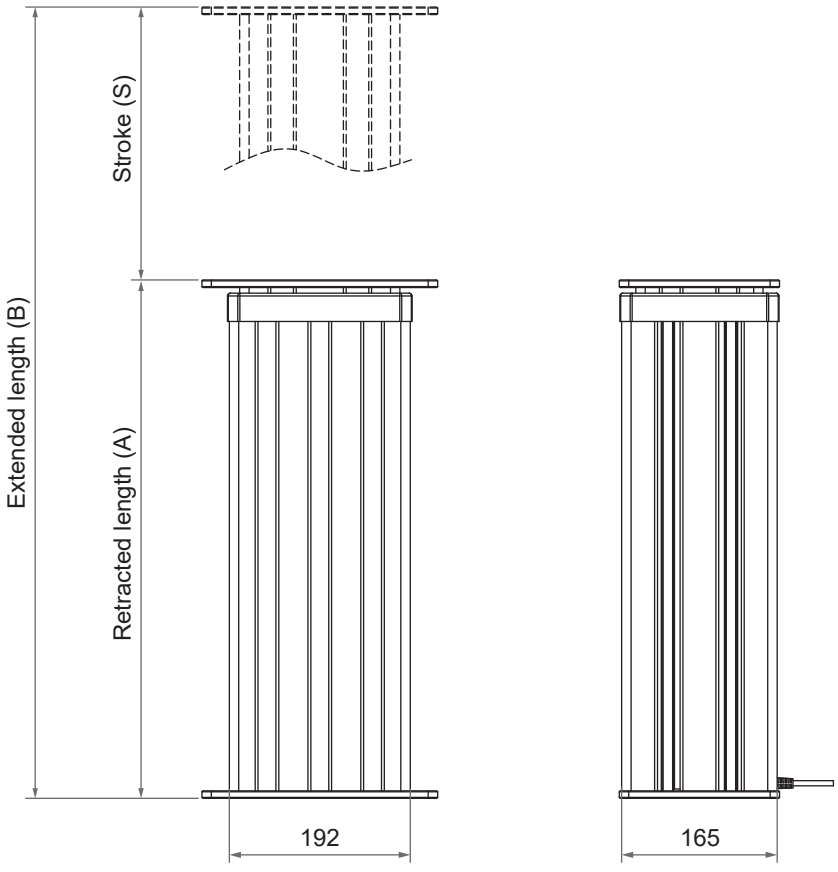
- Available Stroke (S) range of each Retracted Length (A) Unit: mm

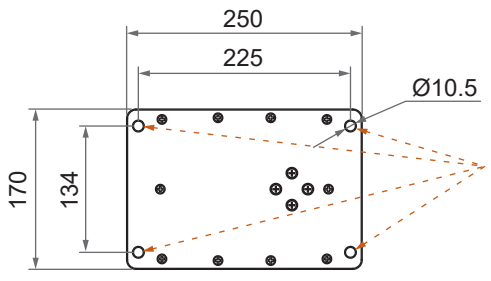
	Retracted length (A)		
	660	550	330
Stroke (S)	450	261	140

- Extended length (B)=Retracted length (A)+Stroke (S)



Position of mounting holes on top side





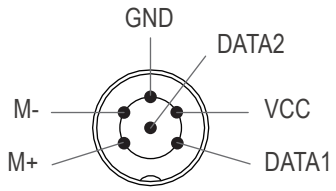
Position of mounting holes on bottom side

Compatibility

Product	Model	DLC2 spec
Control box	CB4M-S, CB4M-B	- With dual Hall effect sensors - With Moteck F-type 6-pin DIN plug - Electrical current < 3 Amp (1200N max. thrust)
	CB4P-SY	- With dual Hall effect sensors - With Moteck H-type or V-type 6-pin DIN plug
	CF11D, CF13	- With dual Hall effect sensors - With Moteck L3-type 6-pin minifit plug
	CB5P-M	- With dual Hall effect sensors - With Moteck LR-type 6-pin minifit plug

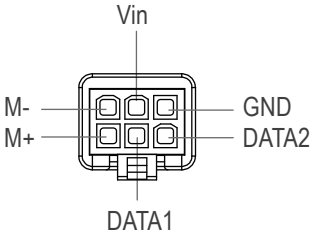
Cable Plug

● **Moteck F-type, H-type and V-type plug**



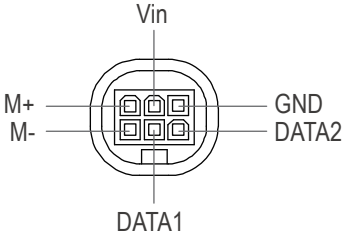
6-pin DIN plug

● **Moteck L3-type plug**



6-pin minifit plug

● **Moteck LR-type plug**



6-pin minifit plug

F-type

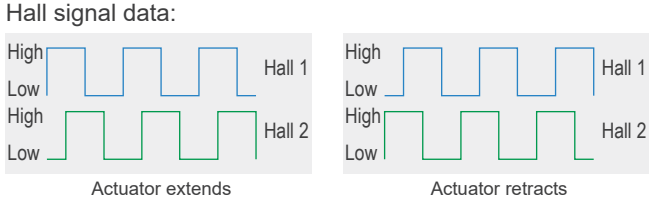
H-type

V-type

L3-type

LR-type

Note:

	Definition	Comments
Power	M+	Connect M+ to "+" & M- to "-" of DC power, the actuator will extend.
	M-	
Signal	Vin	Voltage input range (Vin): 5 ~ 20V
	Hall 1 output	High= Input - 1.2V (±0.6V) Low= GND Hall signal data:  Hall effect sensor resolution: 3.33 pulses/mm
	Hall 2 output	
	GND	

Ordering Key

DLC2- 24 H6 - 660 . 1110 - 0 H 0 0 1

Input voltage	**24**: 24V DC
Motor and spindle type	**H6**: 3300rpm / 6mm pitch (Refer to Performance Data)
Retracted length	**XXX** (Refer to Dimensions)
Extended length	**XXX** (Refer to Dimensions)
Reserved	**0**
Positioning feedback	**0**: None **H**: With dual Hall effect sensors
Reserved	**0**
Reserved	**0**
Cable length	**1**: 1000mm Straight **2**: 2000mm Straight **3**: 450mm with 300mm coiled

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