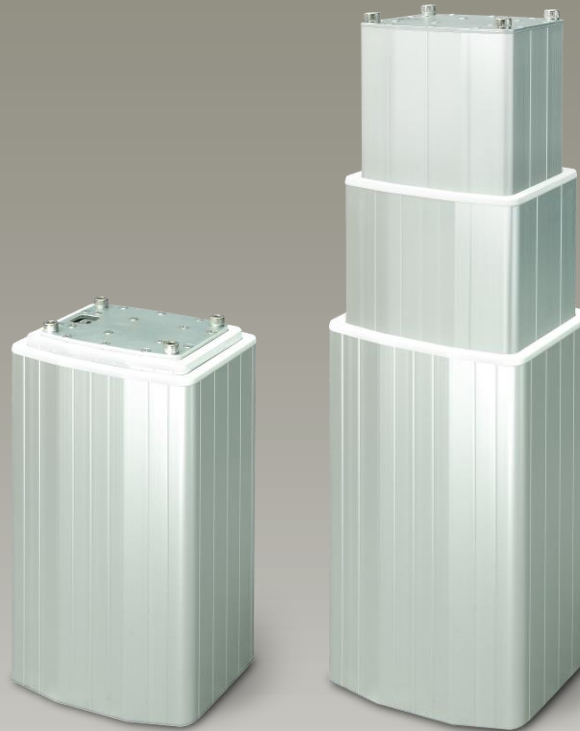


Lifting Column

DLC1



Features

- ◆ DLC1 is a quiet and powerful 3-part in-line lifting column with robust design, which is applicable to dental chair, hospital bed, treatment table, lifting table, workstation...etc. It can drive as a single or up to 2 synchronization system. The special transmission mechanism makes it move smoothly and rapidly.
- ◆ Main applications : medical, homecare, furniture
- ◆ Input voltage : 24V DC
- ◆ Max. thrust : 2000N
- ◆ Max. static load : 3000N
- ◆ Tensile strength : 500N
- ◆ Weight : 9.7Kg
- ◆ Dimensions : 175(W)x140(D)x350~750(H)mm
- ◆ Max. current : 4.0A@ 24V DC
- ◆ Max. speed at no load : 13 mm/sec
- ◆ Max. speed at full load : 10 mm/sec
- ◆ Stroke : 400 mm
- ◆ Bending moment : 500 Nm (static) / 250Nm (dynamic)
- ◆ Duty cycle : 10%, max. 1 min continuous operation in 10 min.
- ◆ IP protection level : IPX6
- ◆ Anodized aluminum body
- ◆ Noise level : ≤ 50 dB

- ◆ Preset limit switches
- ◆ Certified : CE marking. EMC Directive 93/42/EEC
- ◆ Life cycle : More than 5,000 cycles or 4,000,000 mm
- ◆ Ambient operating temperature : 0°C~+45°C

Options

- ◆ Digital positioning feedback with dual Hall effect sensors
- ◆ Safety nut
- ◆ Customized stroke or installation dimension. (refer to paragraph Dimensions)

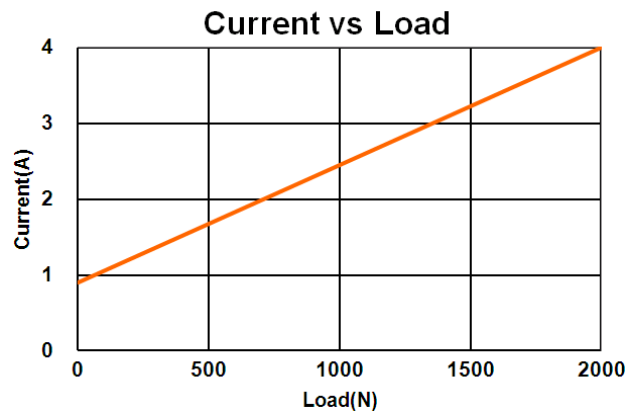
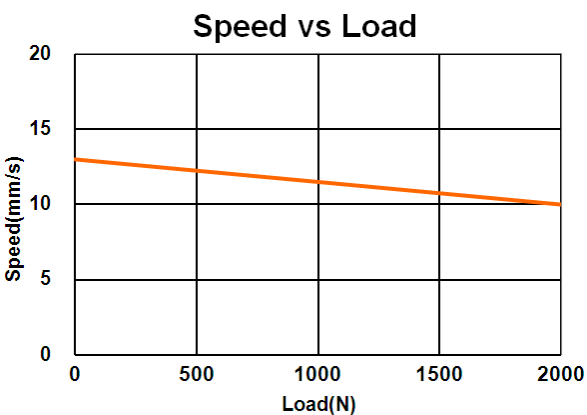
Compatibility

1. Control Box

Function	Model No.
Without positioning feedback	MD6C, CB4P, CB5P
With dual Hall sensors feedback	CB4P, CB5P

Performance Data

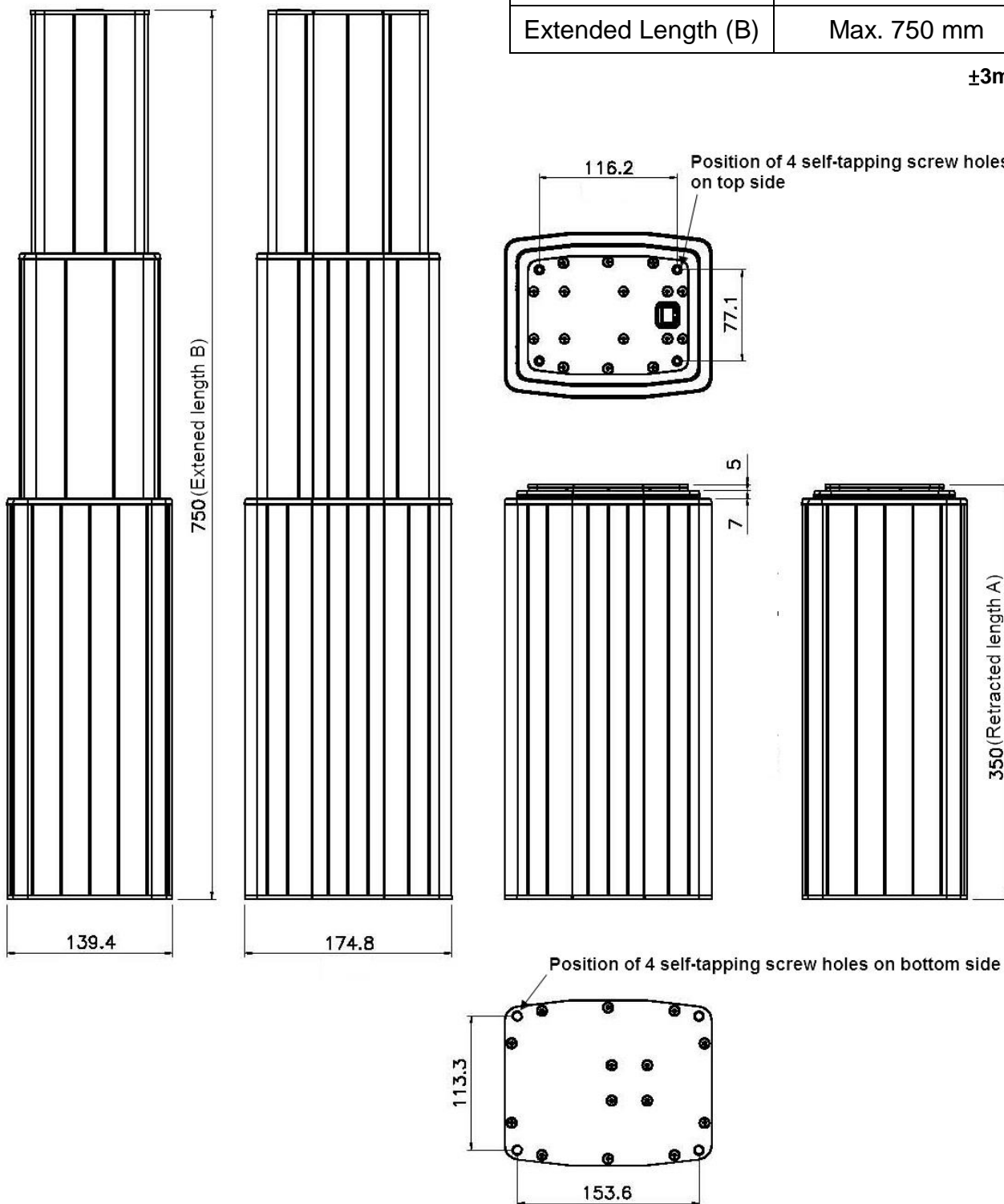
Model No.	Max. Push Load (N)	Typical Speed (mm/s)		Typical Current (A) @ 24V	
		No load	Full load	No load	Full load
DLC1-24RH-350.750-XXXXX	2,000	13	10	0.9	4.0



Dimensions

Available Stroke (S)	50~400 mm
Retracted Length (A)	Min. 350 mm
Extended Length (B)	Max. 750 mm

±3mm



Ordering Key

DLC1-24RH-□□□ . □□□ -□□ **00**□

Input Voltage

24 : 24V DC

Motor and Spindle Type

(Refer to paragraph Performance Data)

Retracted Length (A)

A : ≥ 350 mm (Refer to paragraph Dimensions)

Extended Length (B)

B : ≤ 750 mm (Refer to paragraph Dimensions)

Safety nut

0 : None

S : Safety Nut (SN)

Positioning Feedback

0 : None

H : Dual Hall sensor

Reserved




Cable

1 : Straight 1000mm

2 : Straight 2000mm

Cable Plug

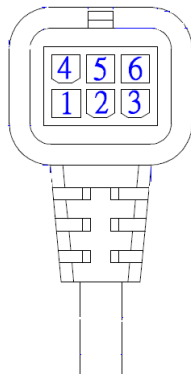
1. Available Types

Shape	MotECK L2 type	MotECK V-type	MotECK H-type
Socket spec	Minifit 6-pin, 90°	DIN	DIN
Control Box			
CB5P	V		
MD6C, CB4P		V	V

2. Pin Assignment

(1) Minifit 6-pin, 90° :

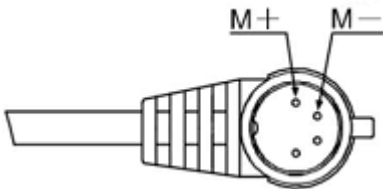
Connect Pin 6 (M+) to "+" & Pin 3 (M-) to "-" of DC power, the actuator will extend.



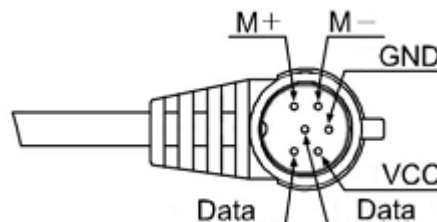
Pin No.	Definition
1	GND
2	VCC
3	M-
4	Data
5	Data
6	M+

(2) DIN plug :

Connect Pin M+ to "+" & Pin M- to "-" of DC power, the actuator will extend.



Without positioning feedback
4 pins



With Dual hall sensors positioning feedback
6 pins

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