

TELESCOPIC  
LIFT  
COLUMN

# Greeting

Customer  
-centered  
value based  
management

Quality  
quarantee  
and Ownership  
of all staffs





## G N S M O T I O N

have been accumulating abundant, reliable technical development about the best motion solution and engineering know-how about production with experiences in 20-years. We are focus on manufacture of highly efficient and valuable lift column with management philosophy based on customer satisfaction and highest quality. We will do our best to supply customer-centered and ideal motion solution of engineering systems in medical, furniture, industrial field.

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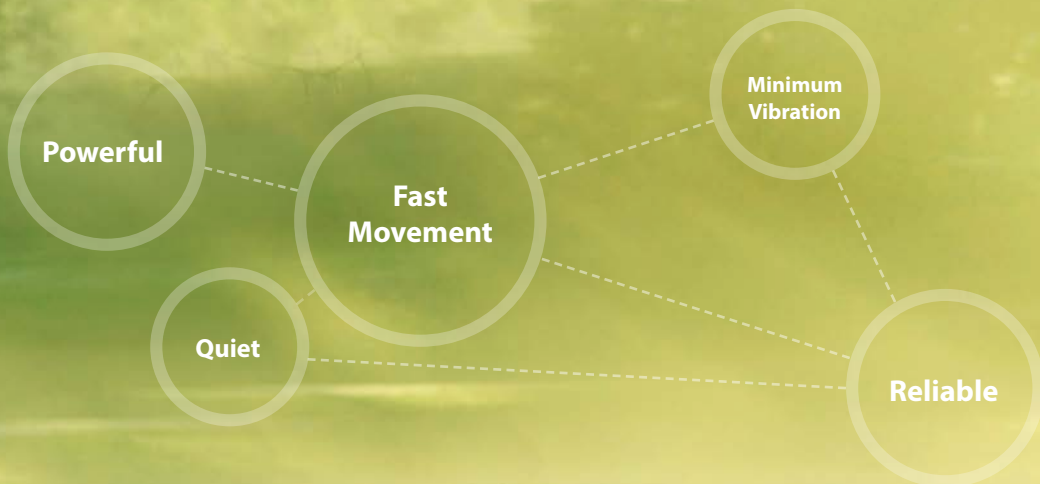


## Product Descriptions

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# GNS MOTION

*"Always with you,  
we make the best."*



# COMPANY HISTORY

## • Company History

- 2013.12**    Developed STC LIFT COLUMN(slim type)
- 2011.12**    Certificated the CE(CCQS), NRTL
- 2011.11**    Developed PTC LIFT COLUMN
- 2011.01**    Certificated the patent of LIFT COLUMN
- 2010.12**    Developed GTC LIFT COLUMN(250kgf · m)
- 2010.10**    Certificated ISO 9001:2008 (BSI)
- 2010.09**    Changed the company name to GNSMOTION CO., LTD
- 2010.05**    R&D agreement with Pusan National University
- 2010.03**    Certificated CE(TUV) of LIFT COLUMN
- 2010.02**    Developed JTC LIFT COLUMN(150kgf · m)
- 2002.08**    Certificated a patent on a new device about two-step vent operator
- 2001.08**    Developed the operator for vent, skylight and louver
- 1993.01**    Developed NDT equipment 8000A PROD
- 1990.03**    Developed NDT equipment for round bar
- 1985.10**    The first localization of NDT equipment for Crank Shaft
- 1985.05**    Established KANG SUNG IND. CO.,LTD.

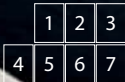
Through constant self-development

# G N S M O T I O N

moves forward  
without interruption

## CERTIFICATION

- 1 CE(TUV) certificate
- 4 ISO 9001:2008
- 2 CE(CCQS) certificate
- 5 Patent certificate
- 3 NRTL(MET) certificate
- 6 KTL test report
- 7 Factory registration



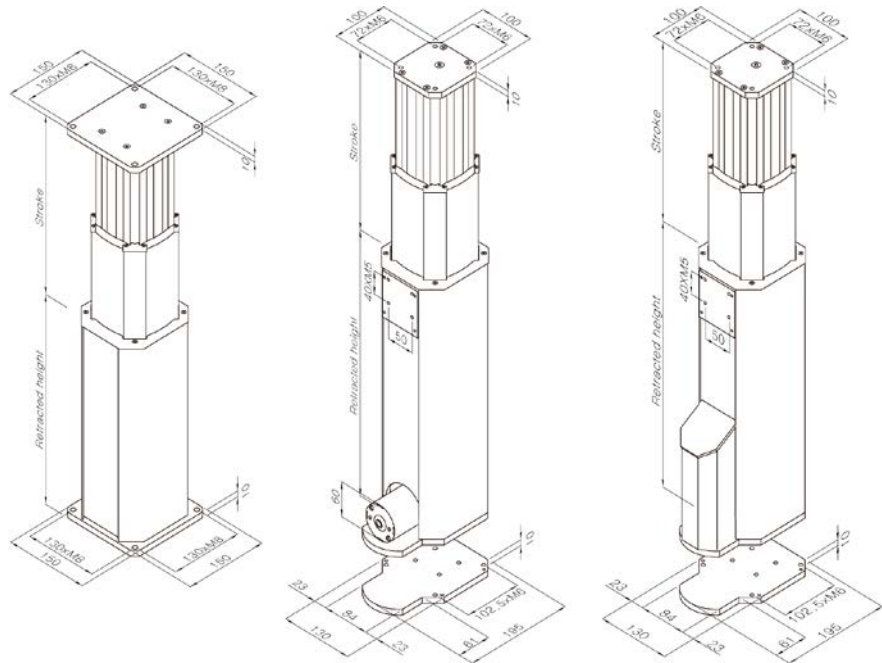


# JTC LIFT COLUMN

➤ JTC SERIES is suitable lift column for medical device and industrial table.



- 150kg eccentric load on 1m
- Fast & Quiet movement
- Self design & manufacture



## Specification

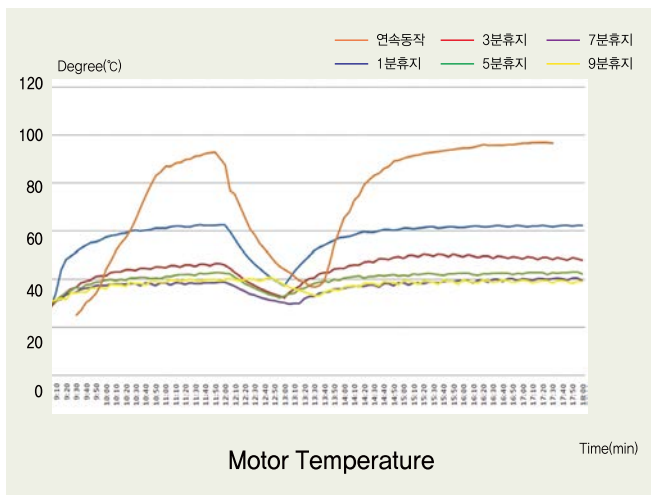
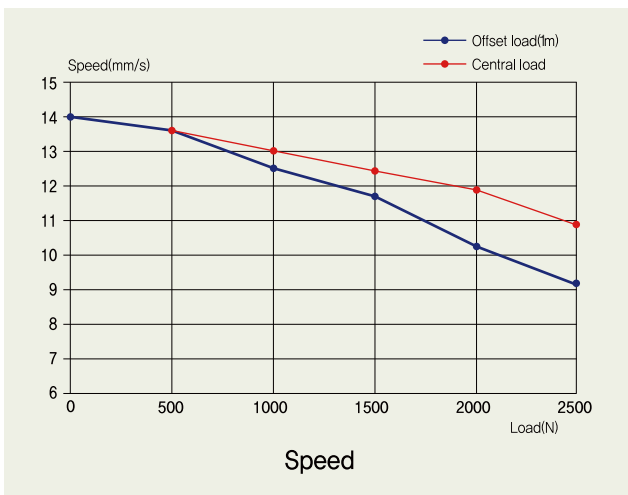
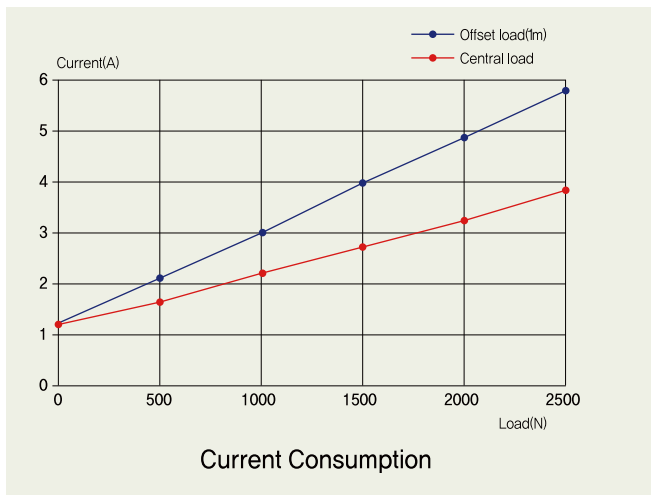
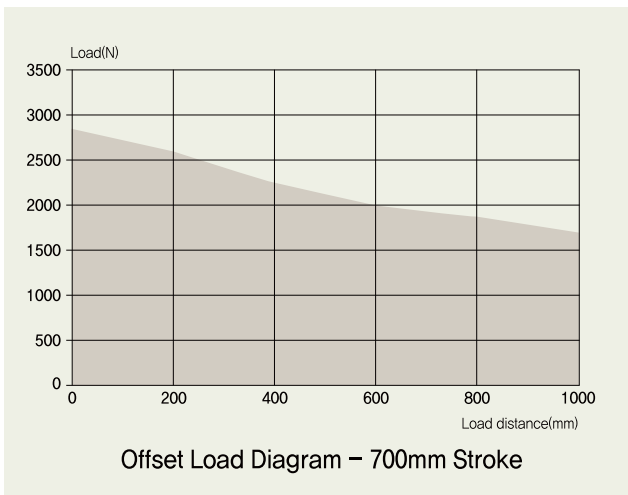
Code	Force(N)		Self Locking Force(N) (PUSH)	Typical Current at Rated Load(A)	Typical Speed at Rated Load(mm/s)		Stroke (mm)	Duty Cycle(min on/off(Int.))
	Push	Pull MAX			24VDC	32VDC		
A	6,000	4,000	4,000	4.4	3.9	7.3	150~700	1/9
B	3,500	3,500	1,500	4.0	8.1	12.8		
C	2,500	2,500	1,000	4.2	11.8	19.2		
D	5,000	4,000	2,500	4.2	5.1	9.7		
E	3,500	3,500	3,500	4.6	7.6	12.8		
F	8,000	4,000	6,000	5.0	3.3	6.5		
G	2,000	2,000	1,000	4.6	13.8	25.6		
H	1,000	1,000	500	4.2	23.4	38.4		

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## Technical Sheet

<b>Bending Moment</b>	150kgf·m(On MAX.stroke)
<b>Retracted Height</b>	Stroke + 130mm(±α)
<b>Stroke</b>	150~700mm(General type)
<b>Rated Voltage</b>	24VDC
<b>Weight</b>	16~20kg
<b>IP Protection</b>	IP42, 54, 66
<b>Material</b>	Anodizing Aluminum
<b>Color</b>	Metalic Silver
<b>Duty Cycle</b>	10% (2/18 min.)



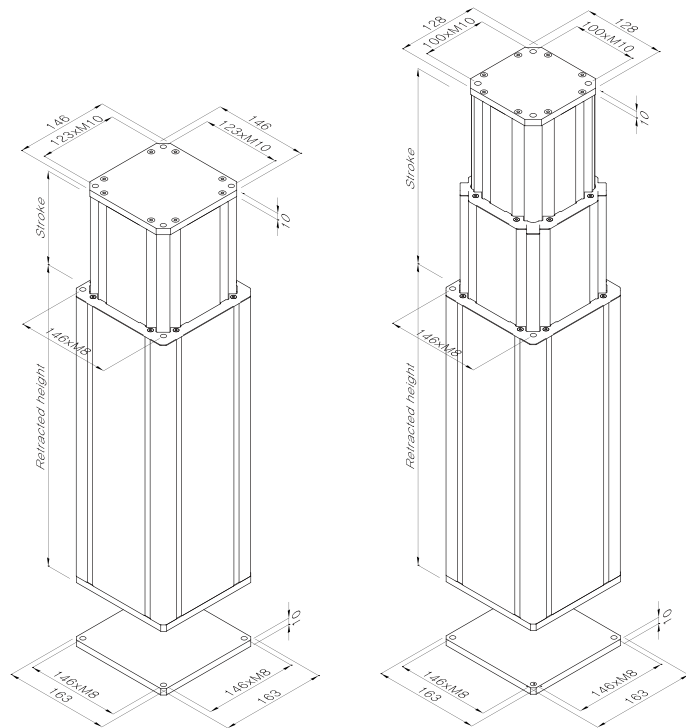


# GTC LIFT COLUMN

➤ GTC SERIES is suitable lift column for medical device and industrial table with high bending moment and weight.



- 250kg eccentric load on 1m
- Fast & Quiet movement
- Self design & manufacture



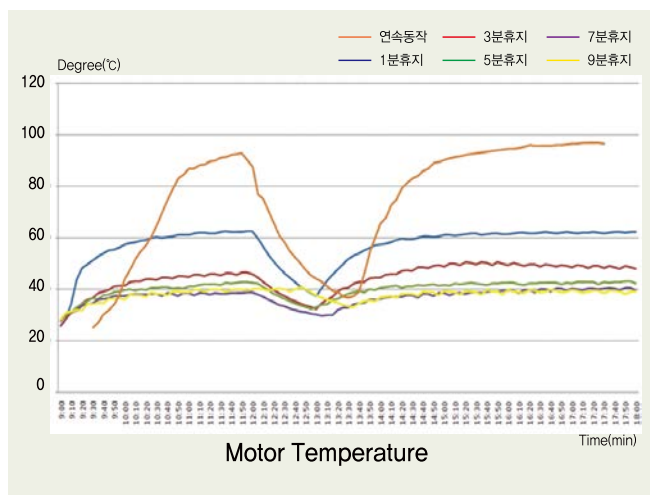
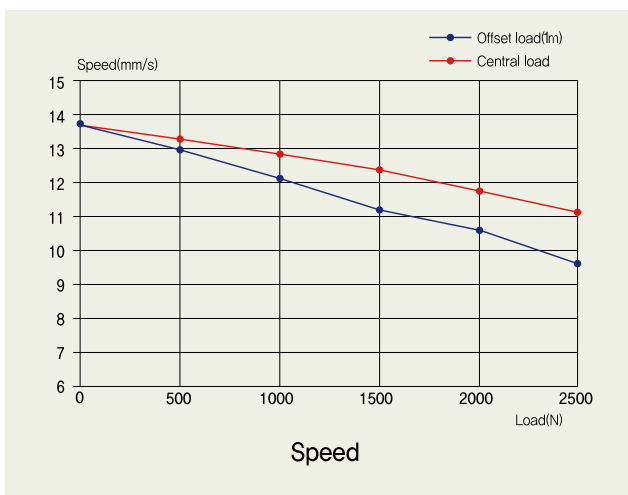
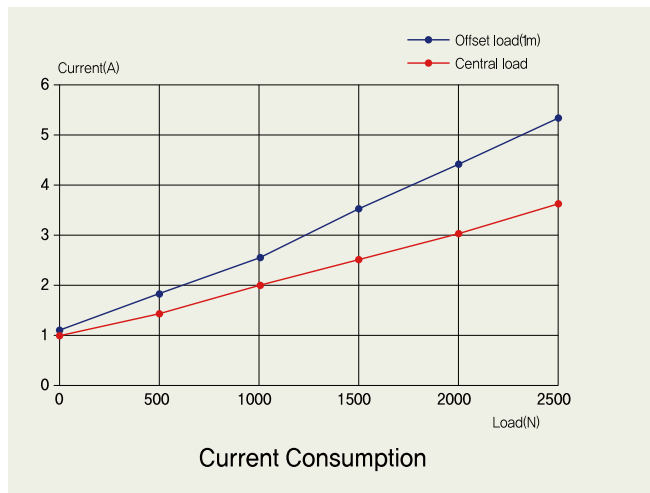
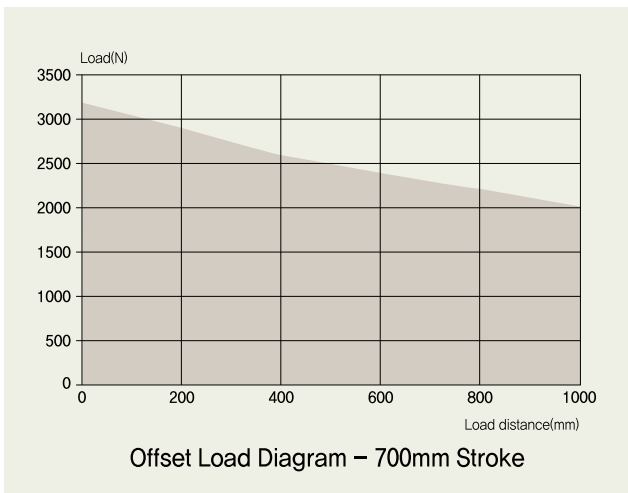
## Specification

Code	Force(N)		Self Locking Force(N) (PUSH)	Typical Current at Rated Load(A)	Typical Speed at Rated Load(mm/s)		Stroke (mm)	Duty Cycle(min on/off(Int.))
	Push	Pull MAX			24VDC	32VDC		
A	6,000	4,000	4,000	4.4	3.9	7.3	150~700	1/9
B	3,500	3,500	1,500	4.0	8.1	12.8		
C	2,500	2,500	1,000	4.2	11.8	19.2		
D	5,000	4,000	2,500	4.2	5.1	9.7		
E	3,500	3,500	3,500	4.6	7.6	12.8		
F	8,000	4,000	6,000	5.0	3.3	6.5		
G	2,000	2,000	1,000	4.6	13.8	25.6		
H	1,000	1,000	500	4.2	23.4	38.4		

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## Technical Sheet

<b>Bending Moment</b>	250kgf·m(On MAX. stroke)
<b>Retracted Height</b>	Stroke + 180mm(±α)
<b>Stroke</b>	150~700mm(General type)
<b>Rated Voltage</b>	24VDC
<b>Weight</b>	27~32kg
<b>IP Protection</b>	IP42, 54, 66
<b>Material</b>	Anodizing Aluminum
<b>Color</b>	Metalic Silver
<b>Duty Cycle</b>	10% (2/18 min.)



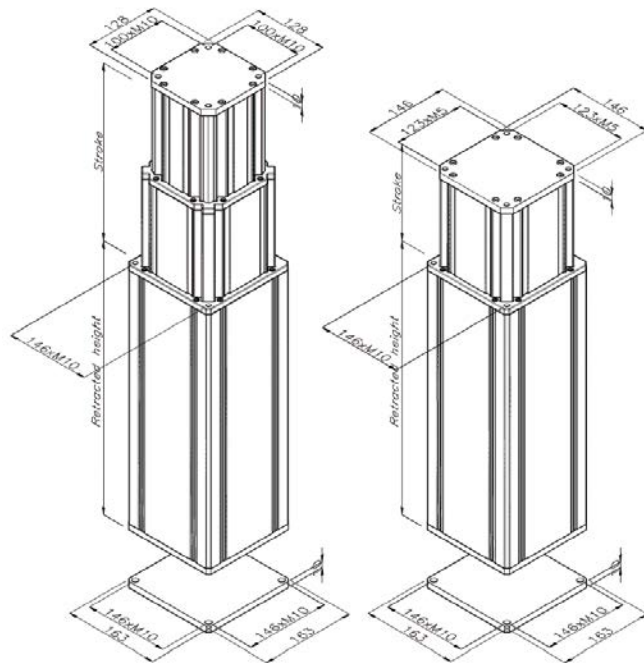


# PTC LIFT COLUMN

➤ PTC SERIES is popular and suitable lift column for medical device, industrial table and furniture.



- Reasonable price and rugged reliability
- Fast & Quiet movement
- Self design & manufacture



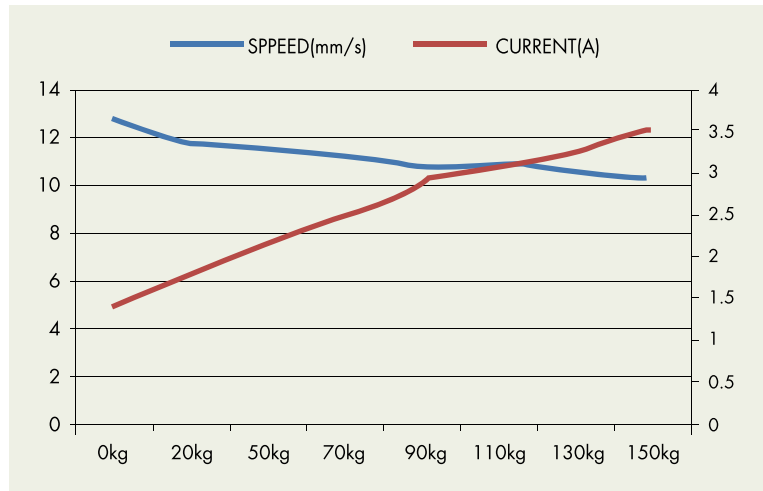
## Specification

Code	Force(N)		Self Locking Force(N) (PUSH)	Typical Current at Rated Load(A)	Typical Speed at Rated Load(mm/s)		Stroke (mm)	Duty Cycle(min on/off(Int.))
	Push	Pull MAX			24VDC	32VDC		
<b>A</b>	6,000	4,000	4,000	4.4	3.9	7.3	150~700	1/9
<b>B</b>	3,500	3,500	1,500	4.0	8.1	12.8		
<b>C</b>	2,500	2,500	1,000	4.2	11.8	19.2		
<b>D</b>	5,000	4,000	2,500	4.2	5.1	9.7		
<b>E</b>	3,500	3,500	3,500	4.6	7.6	12.8		
<b>F</b>	8,000	4,000	6,000	5.0	3.3	6.5		
<b>G</b>	2,000	2,000	1,000	4.6	13.8	25.6		
<b>H</b>	1,000	1,000	500	4.2	23.4	38.4		

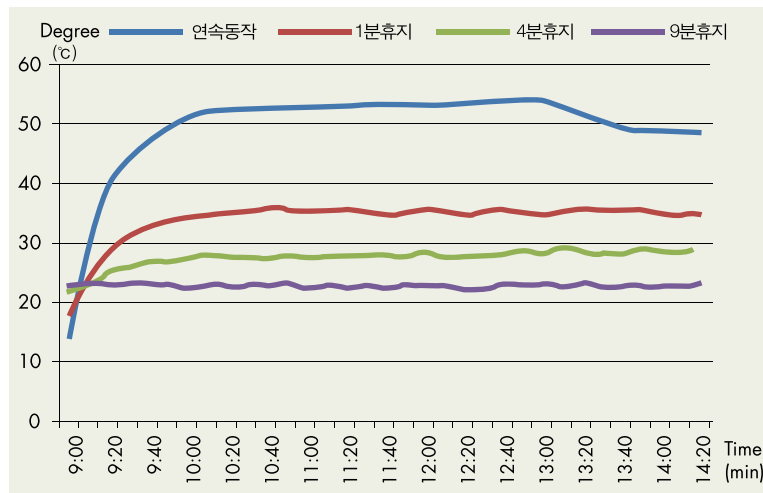
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# Technical Sheet

<b>Bending Moment</b>	50kgf·m(On MAX. stroke)
<b>Retracted Height</b>	Stroke + 130~180mm(±a)
<b>Stroke</b>	150~700mm(General type)
<b>Rated Voltage</b>	24VDC
<b>Weight</b>	16~20kg
<b>IP Protection</b>	IP42, 54, 66
<b>Material</b>	Anodizing Aluminum
<b>Color</b>	Metalic Silver
<b>Duty Cycle</b>	10%(2/18 min.)



Motor temperature



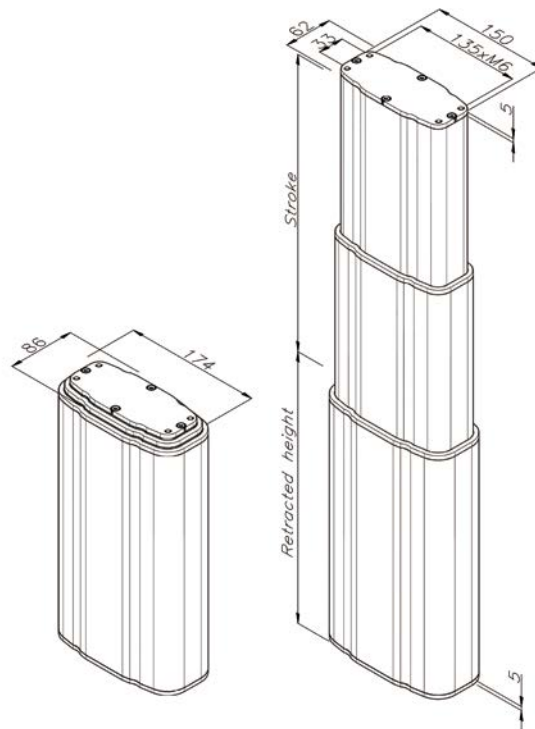
Speed /Current per Weight



# STC LIFT COLUMN

➤ STC SERIES has slim design, reasonable price and outstanding performance for various part about the customer's demand.

- Slim design and rugged reliability
- Fast & Quiet movement
- Self design & manufacture



## Specification

Code	Force(N)		Self Locking Force(N) (PUSH)	Typical Current at Rated Load(A)	Typical Speed at Rated Load(mm/s)		Stroke (mm)	Duty Cycle(min on/off(Int.))
	Push	Pull MAX			24VDC	32VDC		
I	2,500	2,500	2,500	1.8	3.8	6	150~500	1/9
J	2,000	2,000	2,000	2.2	6	9.6		
K	1,500	1,500	1,500	2.2	8.6	13.3		
L	1,000	1,000	1,000	2.1	12	18.9		

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## Technical Sheet

<b>Retracted Height</b>	Stroke + 130~180mm(±α)
<b>Stroke</b>	150~700mm(General type)
<b>Rated Voltage</b>	24VDC
<b>Weight</b>	12~15kg
<b>IP Protection</b>	IP42, 54, 66
<b>Material</b>	Anodizing Aluminum
<b>Color</b>	Metalic Silver
<b>Duty Cycle</b>	10% (2/18 min.)



## APPLICATION



### ➤ Medical Equip.

Dental X-ray, C-arm, X-ray Machine, Lifting and electric bed, Operating table, Surgical equip., Rehabilitation equip.



### ➤ Industry

Lifting work table, Louver operator, Automatic door, Laser marking system, Laser welding equip., Broadcasting camera, Ergonomic equip.



### ➤ Furniture

Lifting chair, Lifting table, Electric conveniences, Adjusting the height of PC, LCD.



# THE BEST QUALITY

## THE BEST QUALITY

GNS MOTION provides the **BEST QUALITY** products, service, and solutions for YOU.

### Durability Test

We guarantee reliable durability performing weight and repetition test based on conditions of customer's demands.

### Stress Analysis

We secure stability with structural design reflecting various simulations and analysis.

### Compression Test

We make reliability higher by confirming no fracture and deflection under the condition of maximum 10kN (International standards) by Korea Testing Laboratory.

### Thermal Test

We provide the best quality by securing our standards of stable performance and testing temperature change of the motor according to various duty cycle.

### Deflection Test

GNS MOTION' lift column is designed to endure eccentric load maximum 250kg\*m. We make reliability higher by minimizing deflection.





**MEMO**

