Lifting column

technology

G-series

G13

Max 2.000 N

Made in Sweden

Description

The DG13 column is a small rectangular lifting column that performs a stable run. With its double screws, it enables long strokes with short retracted lengths. With its stiff aluminum tubes and long-life pads, it offers a stable and reliable guiding system that is maintenance free.

- Long lifetime
- Very stable
- Good offset capacity

Features

Push
Cable out large tube
Build in Hall Sensors
Limit switch

Options

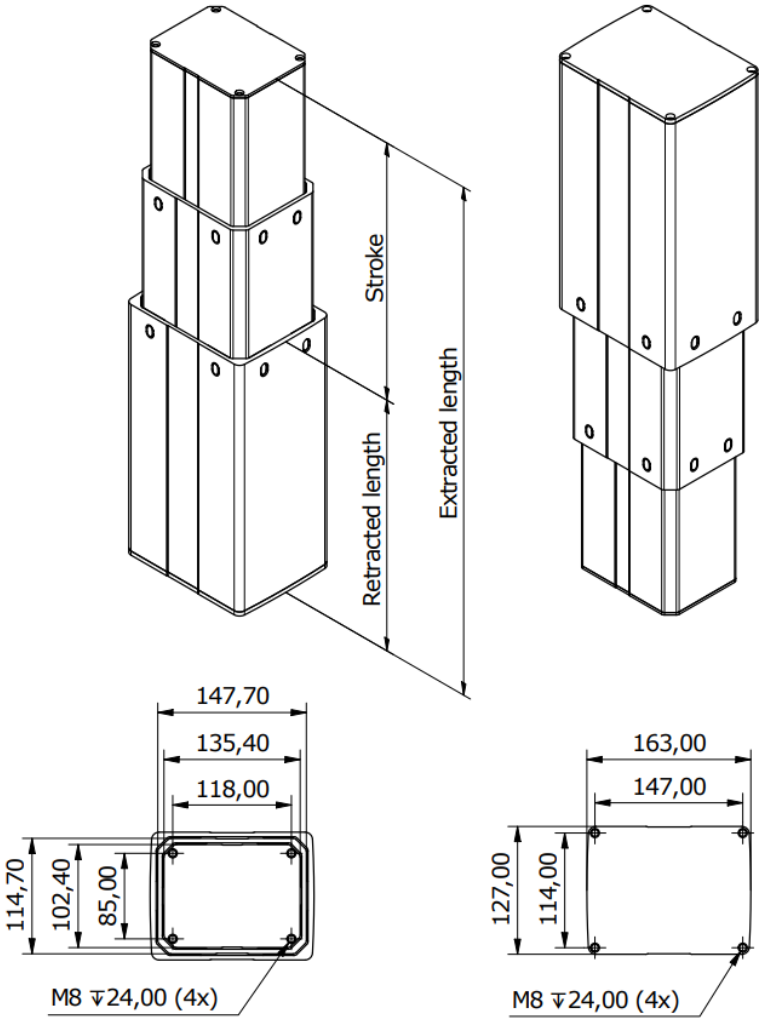
Potentiometer
Cable out small tube
Cable through
Customizable top/bottom plates

Technical data

	DG-VE13	DG-VD13	DG-SJ13	DG-SI13	DG-SH13	DG-SG13
Force, max push*	800 N	1.000 N		1.400 N	1.500 N	2.000 N
Self-locking force**	500 N	1.000 N		1.400 N	1.500 N	2.000 N
Speed @max load	26 mm/s	18 mm/s	31 mm/s	23 mm/s	18 mm/s	10 mm/s
Stroke, S (longer strokes on request)	50 mm to 800 mm		50 mm to 1.000 mm			
Retracted length, R***	R = S/2 + 187 mm		R = S/2 + 175 mm			
Duty cycle [%]	10% (1 min ON / 9 min OFF)					
Voltage	24 VDC					
Ambient temp	+10°C to +40°C					
Current @max load	6 A	5 A	5,5 A			5 A
IP Class	IP 30					
Safety factor Static centric load @ max stroke & load*	-	-	5	3,5	3,25	2,5

** See diagrams on page 3*
*** Only applied when connected by short circuit*
**** Longer retracted length enables more offset load, see diagrams on page 3*

Technical drawing G13



Pin layout

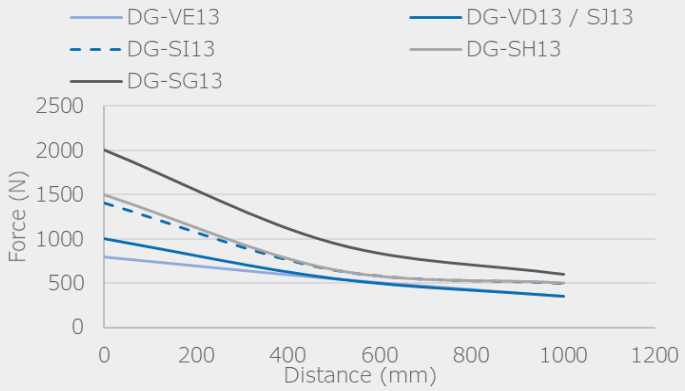
8 pin JS-1149-08 Male

Connectors

	Description
1.	Hall sensor 1
2.	+5V
3.	Limit switch 2
4.	Motor+
5.	Hall sensor 2
6.	Limit switch 1
7.	GND
8.	Motor-

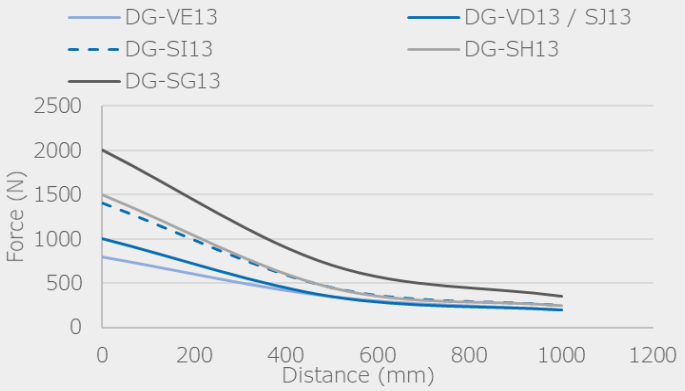
Offset load diagrams

Long retracted length



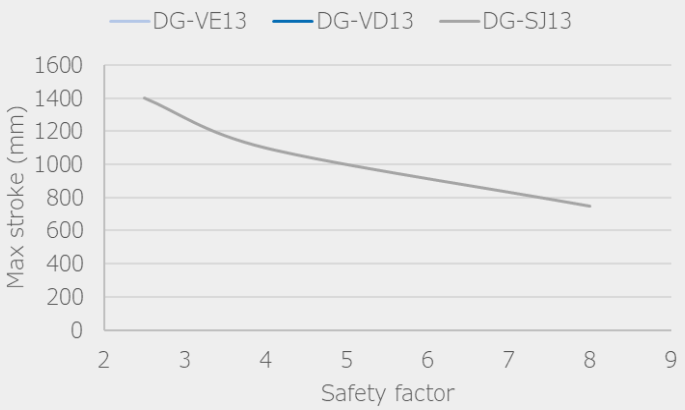
Retracted length: R = Stroke + 270 mm

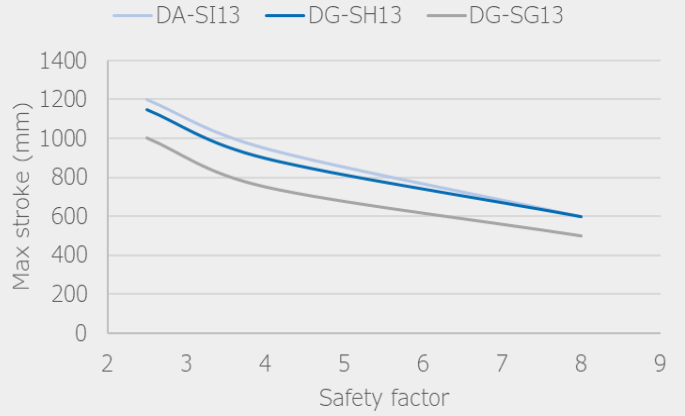
Short retracted length



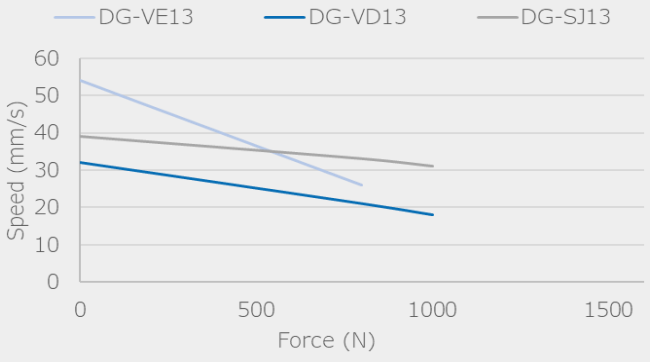
Retracted length: R = Stroke + 170 mm

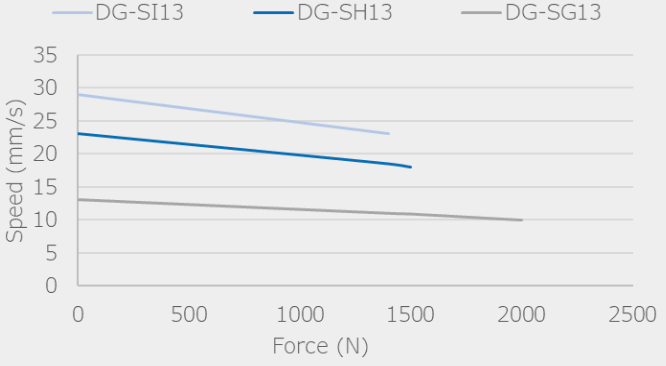
Safety factor diagrams





Speed diagram





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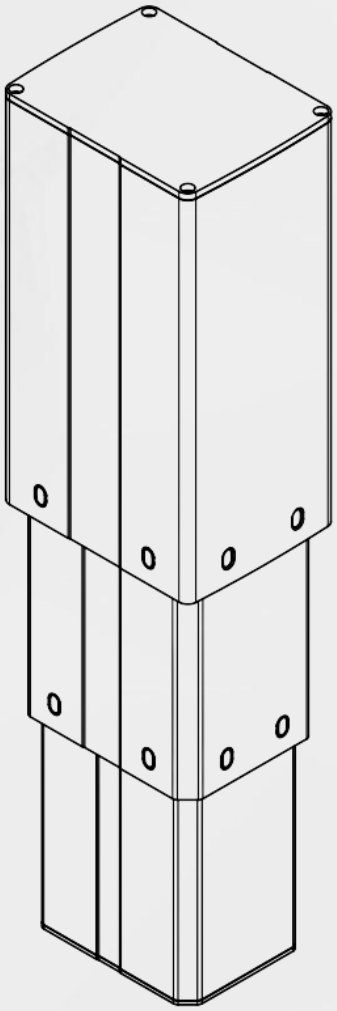

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technology

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Made in Sweden