



**X2 TECHNOLOGY**

A Phoenix Mecano Brand

# Lifting column

**G-series**

## G13

Max 2.000 N



## 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



Good offset capacity



Robust

### 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

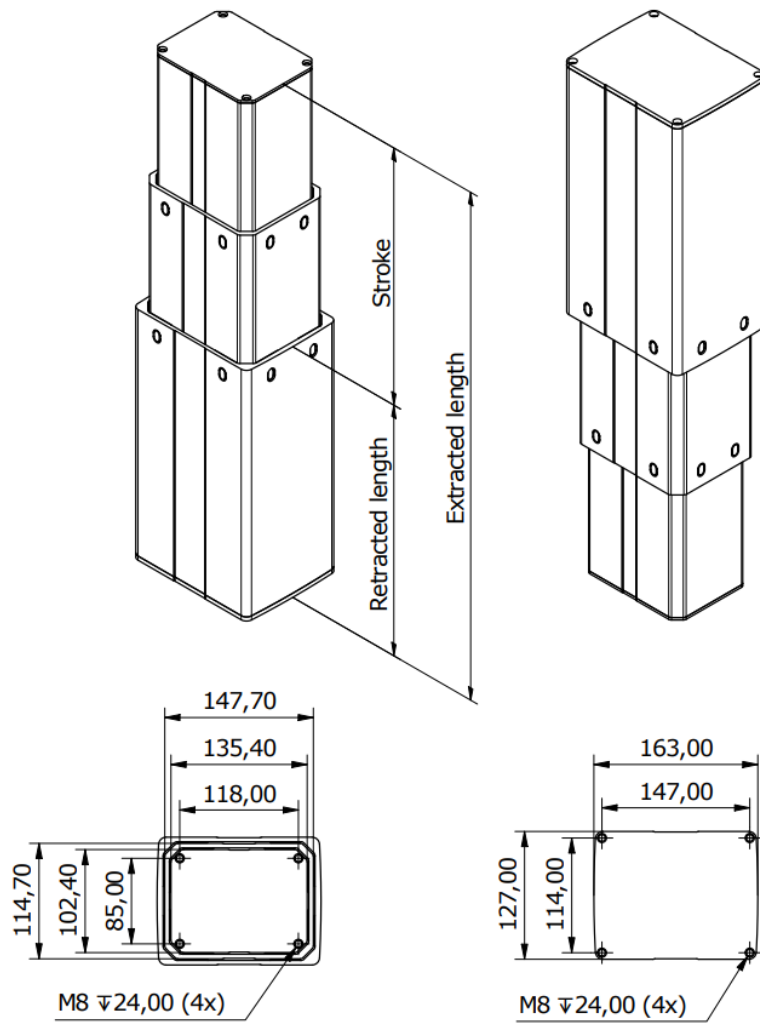
	DG-VE13	DG-VD13	DG-SJ13	DG-SI13	DG-SH13	DG-SG13
Force, max push*	800 N	1.000 N		1.400 N	1.500 N	2.000 N
Self-locking force**	500 N	1.000 N		1.400 N	1.500 N	2.000 N
Speed @max load	26 mm/s	18 mm/s	31 mm/s	23 mm/s	18 mm/s	10 mm/s
Stroke, S (longer strokes on request)	50 mm to 800 mm		50 mm to 1.000 mm			
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

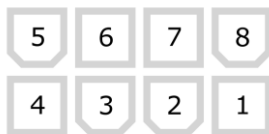
\*\* Only applied when connected by short circuit

\*\*\* Longer retracted length enables more offset load, see diagrams on page 3

## Technical drawing G13



### Pin layout



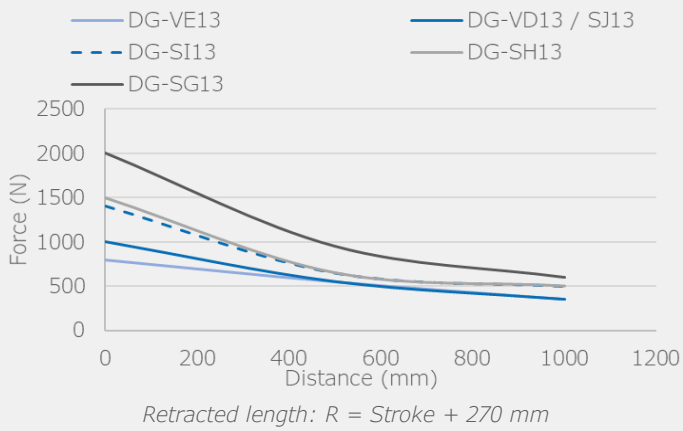
8 pin JS-1149-08 Male

### Connectors

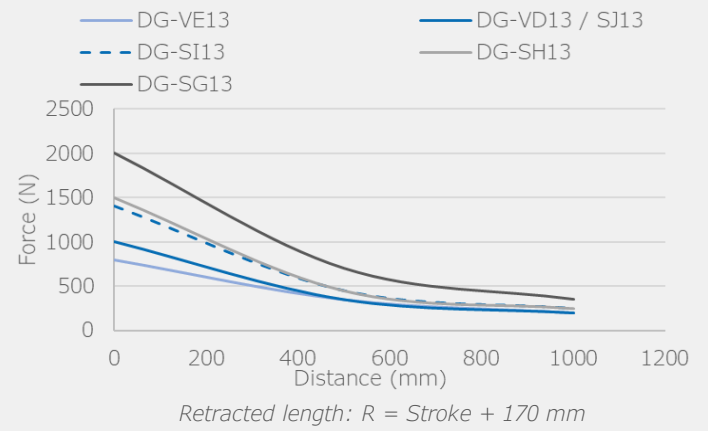
	Description
1.	Hall sensor 1
2.	+5V
3.	Limit switch 2
4.	Motor+
5.	Hall sensor 2
6.	Limit switch 1
7.	GND
8.	Motor-

## Offset load diagrams

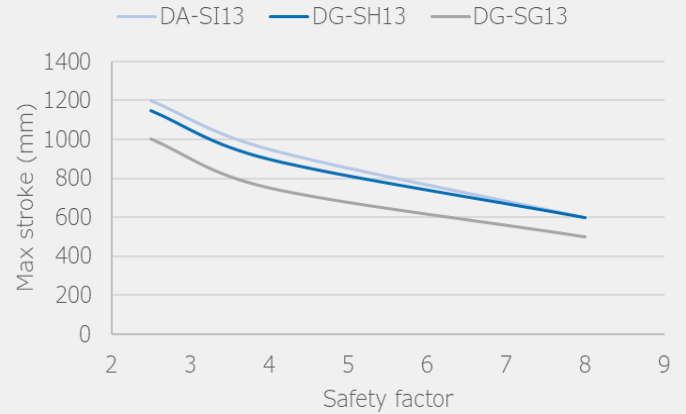
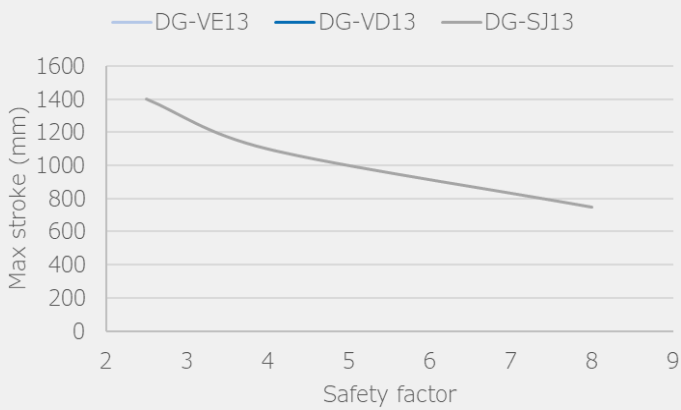
Long retracted length



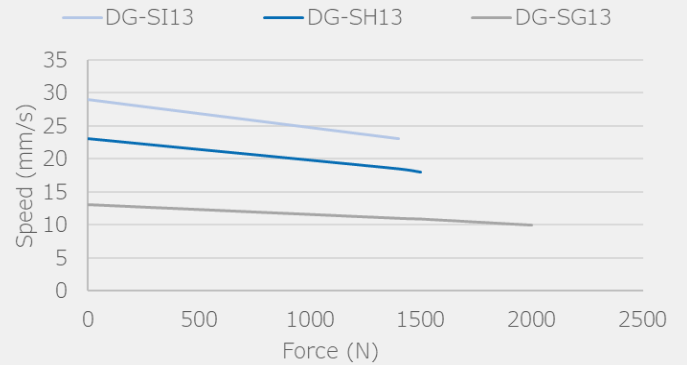
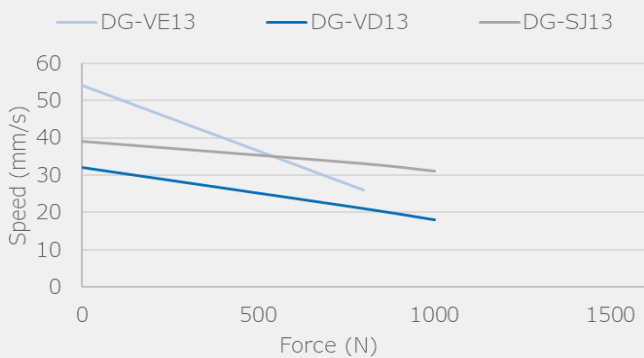
Short retracted length



## Safety factor diagrams



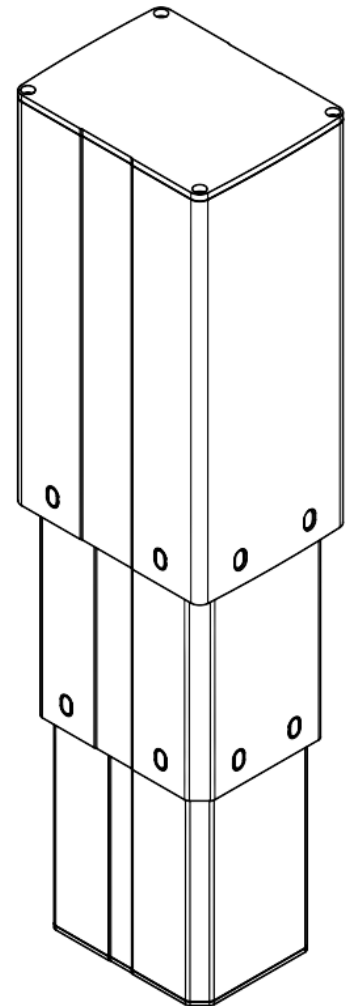
## Speed diagram



# X2 Technology – The Customizer

Before use of products, see general terms & conditions and operating manuals. Lifetime and suitability are depending on application and must therefore be tested by each user. Specifications subject to change without prior notice. All components in this datasheet are property of X2 Technology and may therefore not be used without permission.

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Made in Sweden



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