X2 TECHNOLOGY
A Phoenix Mecano Brand

Lifting column

G-series

G13

G23

Max 3.000 N

Made in Sweden

Description

The G13 and G23 columns are designed with small rectangular tubes. They are efficient for applications that require a small and stable system. With its stiff aluminum tubes and long-life pads, it offers a reliable guiding system that is maintenance free.

- Long lifetime
- Good offset capacity
- Very stable

Features

Push
Cable out large tube
Build in Hall Sensors
Limit switch

Options

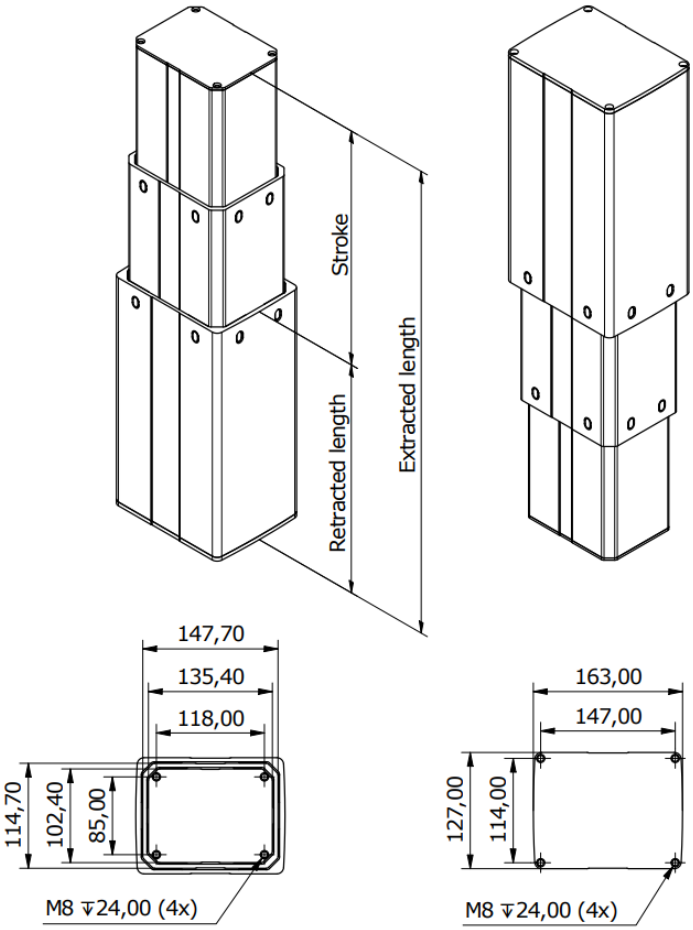
Potentiometer
Cable out small tube
Cable through
Customizable top/bottom plates

Technical data

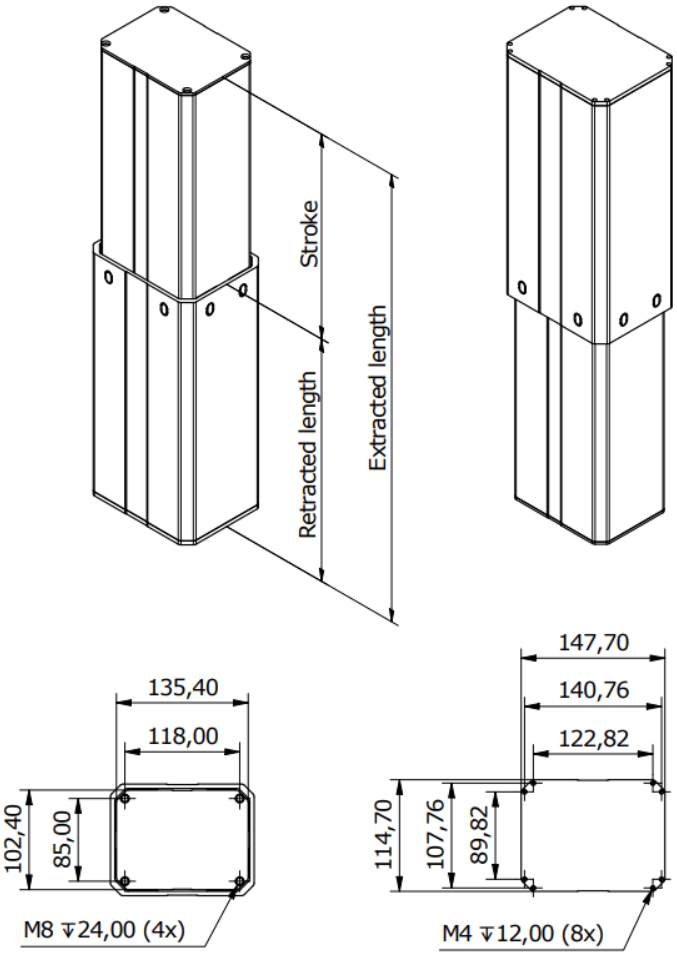
	SG-VF23	SG-SF13 SG-SF23	SG-VD23	SG-SD13 SG-SD23	SG-VE23	SG-SE13 SG-SE23
Force, max push*	1.500 N	1.750 N	1.900 N	2.250 N	2.500 N	3.000 N
Self-locking force**	700 N	1.000 N	1.500 N	1.750 N	2.000 N	2.750 N
Speed @max load	26 mm/s	21 mm/s	20 mm/s	16 mm/s	13 mm/s	10 mm/s
Stroke, S (longer strokes on request)	700 mm					
Retracted length, R***	R = S + 120 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	5,5 A	6 A	5,5 A	6 A	5,5 A
IP Class	IP 30					
Safety factor Static centric load @ max stroke & load*	4,5	4	2,5	1,2	4	3,5

** 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



Technical drawing G23



Pin layout

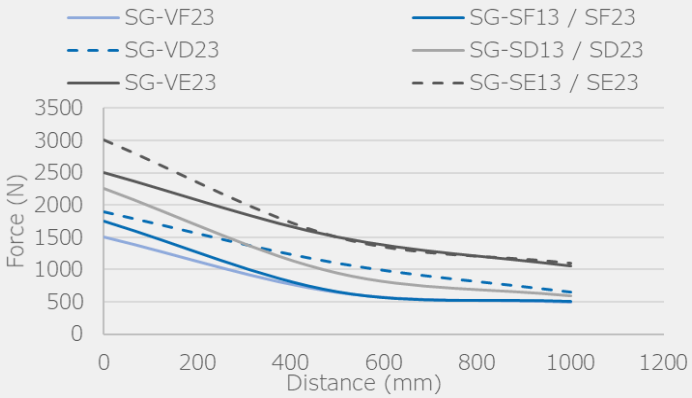
8 pin JS-1149-08 Male

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-

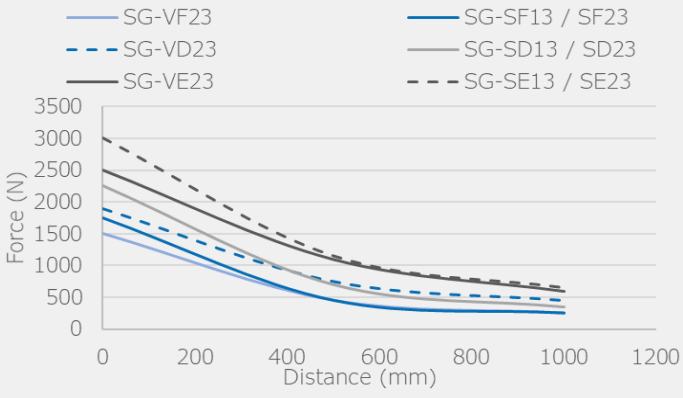
Offset load diagrams

Long retracted length



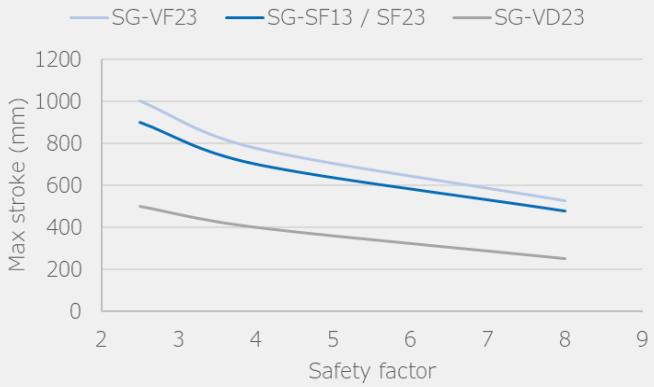
Retracted length: R = Stroke + 270 mm

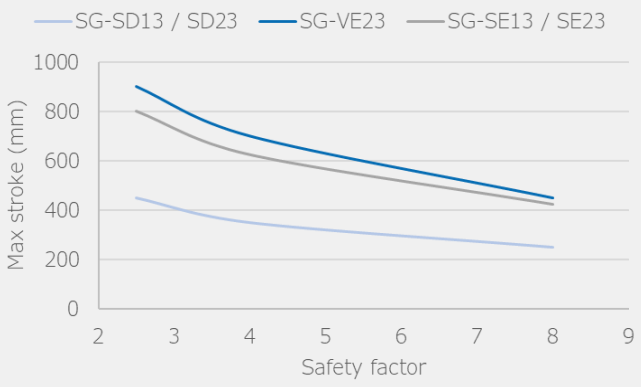
Short retracted length



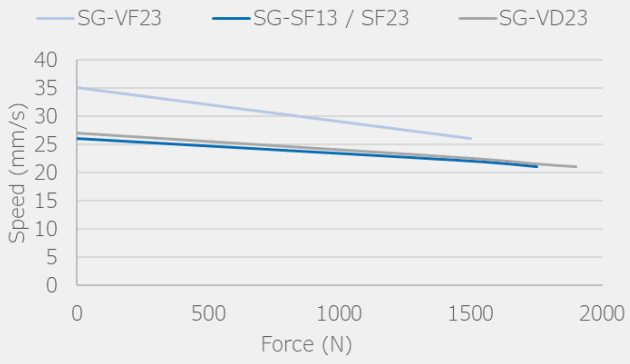
Retracted length: R = Stroke + 170 mm

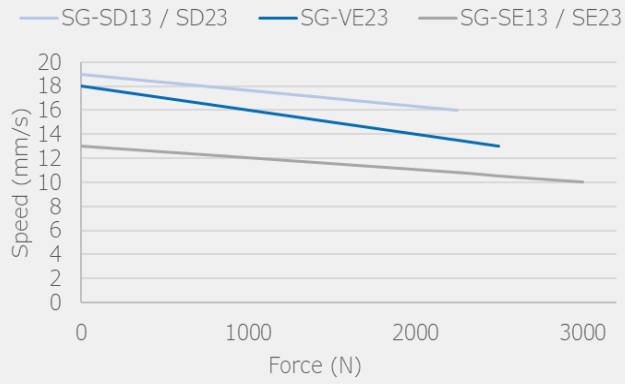
Safety factor diagrams



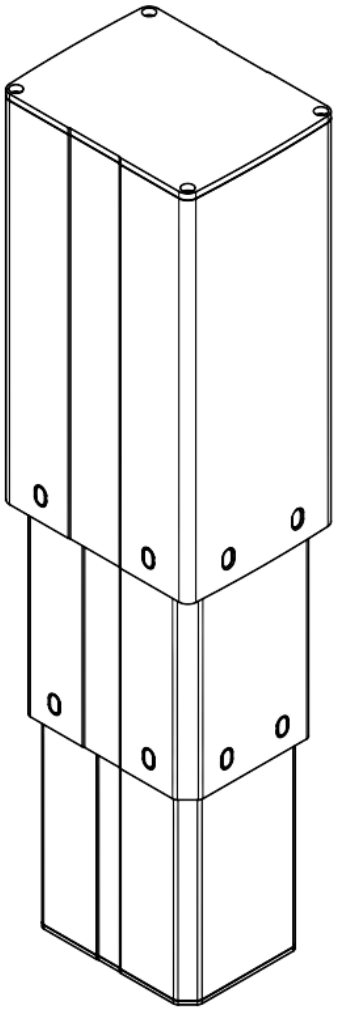


Speed diagram





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.

Phoenix Mecano AB

+46 470 717950

info@x2technology.se

www.x2technology.se

Made in Sweden

X2 TECHNOLOGY
A Phoenix Mecano Brand