

Lifting column



technology[?]

G-series

G13

G23

Max 3.000 N



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

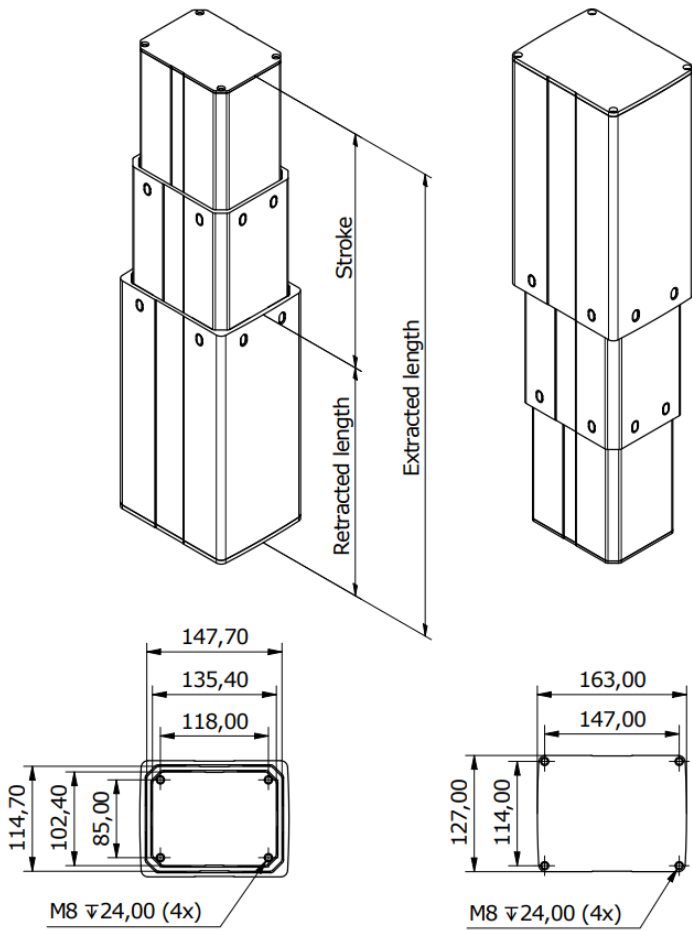
	SG-VF23	SG-SF13 SG-SF23	SG-VD23	SG-SD13 SG-SD23	SG-VE23	SG-SE13 SG-SE23
Force, max push*	1.500 N	1.750 N	1.900 N	2.250 N	2.500 N	3.000 N
Self-locking force**	700 N	1.000 N	1.500 N	1.750 N	2.000 N	2.750 N
Speed @max load	26 mm/s	21 mm/s	20 mm/s	16 mm/s	13 mm/s	10 mm/s
Stroke, S (longer strokes on request)	700 mm					
Retracted length, R***	$R = S + 120 \text{ mm}$					
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

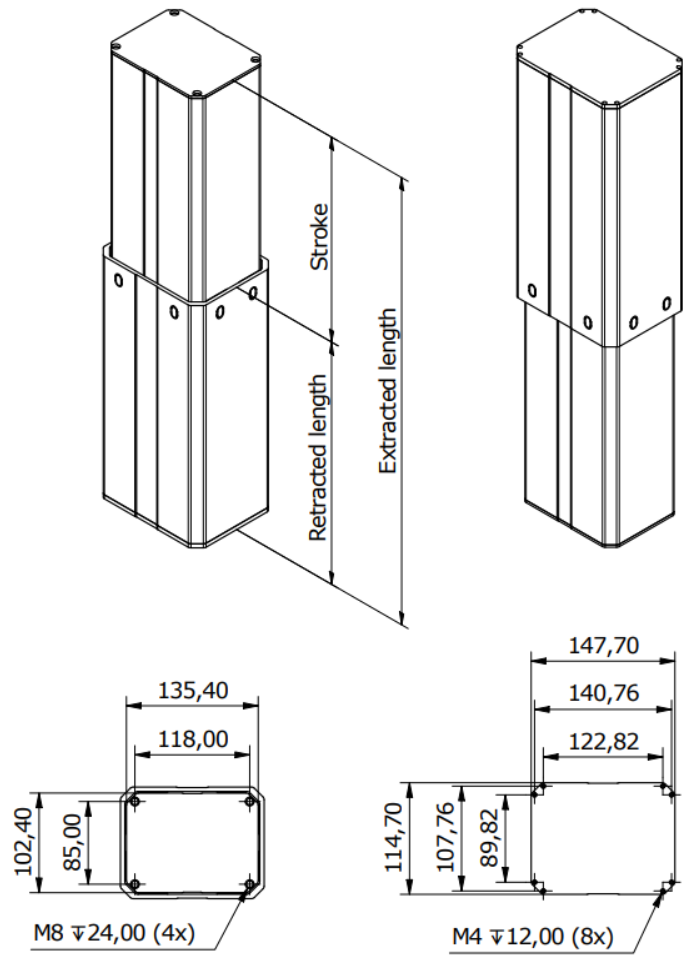
** Only applied when connected by short circuit

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

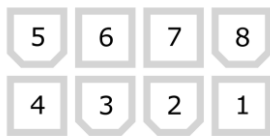
Technical drawing G13



Technical drawing G23



Pin layout



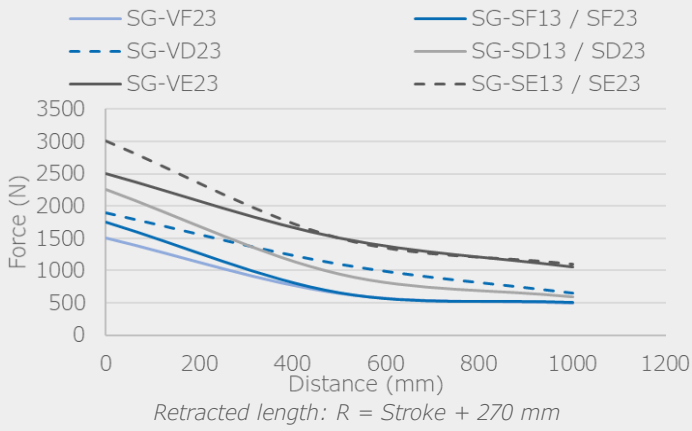
8 pin JS-1149-08 Male

Connectors

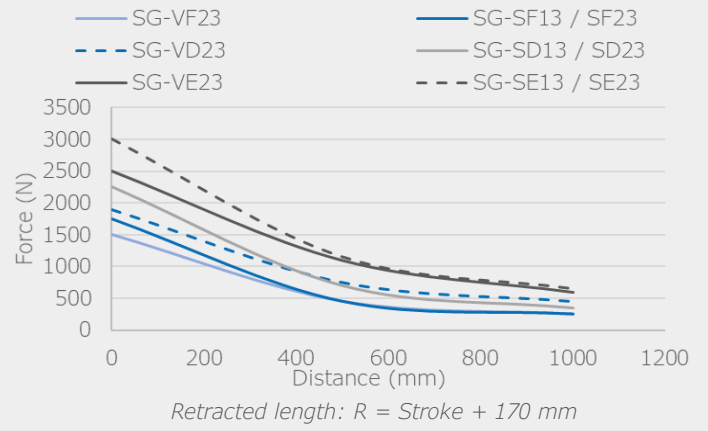
	Description
1.	Hall sensor 1
2.	+5V
3.	Limit switch 2
4.	Motor+
5.	Hall sensor 2
6.	Limit switch 1
7.	GND
8.	Motor-

Offset load diagrams

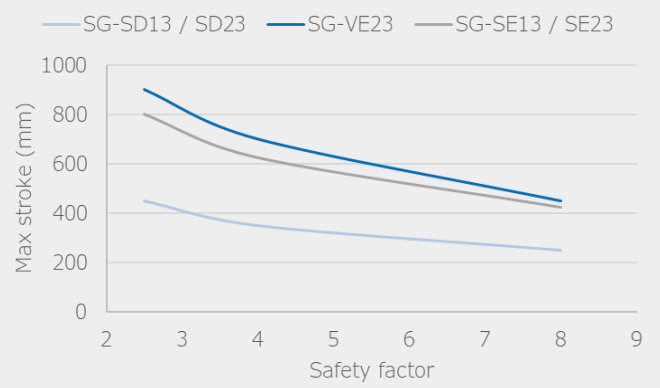
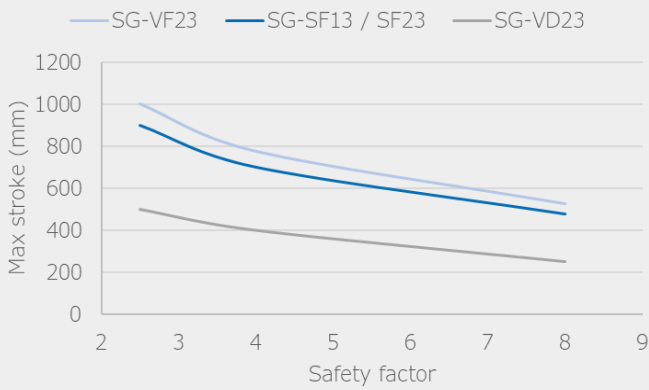
Long retracted length



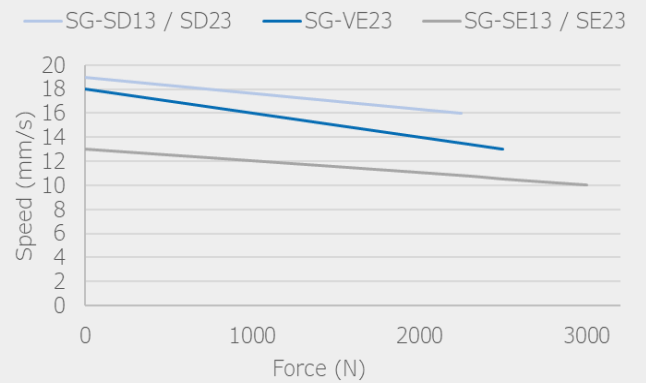
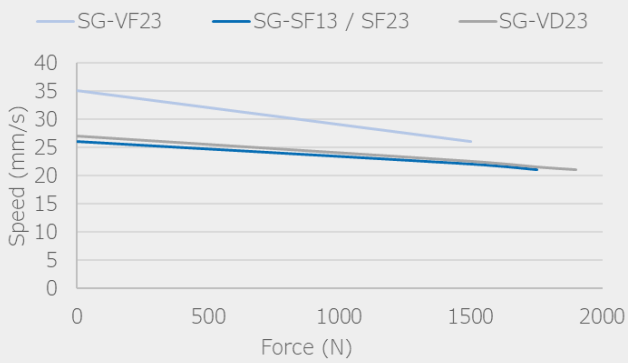
Short retracted length



Safety factor diagrams



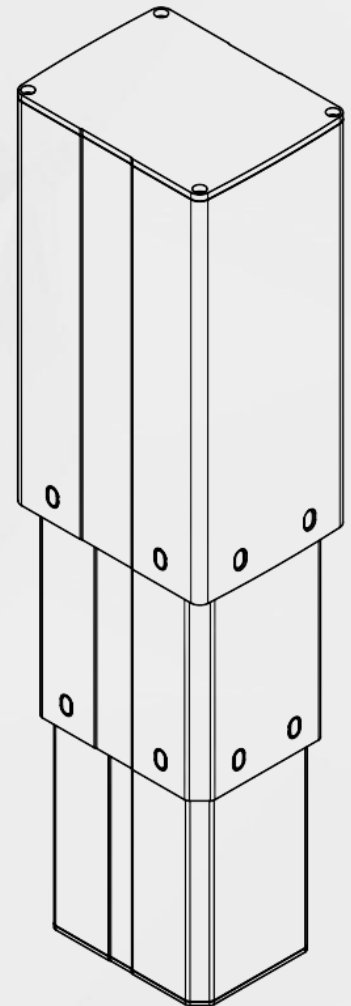
Speed diagram



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