



**X2 TECHNOLOGY**

A Phoenix Mecano Brand

# Lifting column

**E-series**

## E23

Max 2.500 N



Made in Sweden

## Description

The E23 columns are our smallest column that suits medical, industrial, and ergonomic applications where a very small and robust lifting column is needed. With its stiff aluminum tubes and long-life pads, it offers a stable and reliable guiding system that is maintenance free.



 Long lifetime

 Low noise

 Robust

### Features

Push  
Cable out large tube (SE-V)  
Cable out small tube (SE-B)  
Build in Hall Sensors  
Limit switch

### Options

Potentiometer  
Cable out small tube (SE-V)  
Cable out large tube (SE-B)  
Customizable top/bottom plates

## Technical data

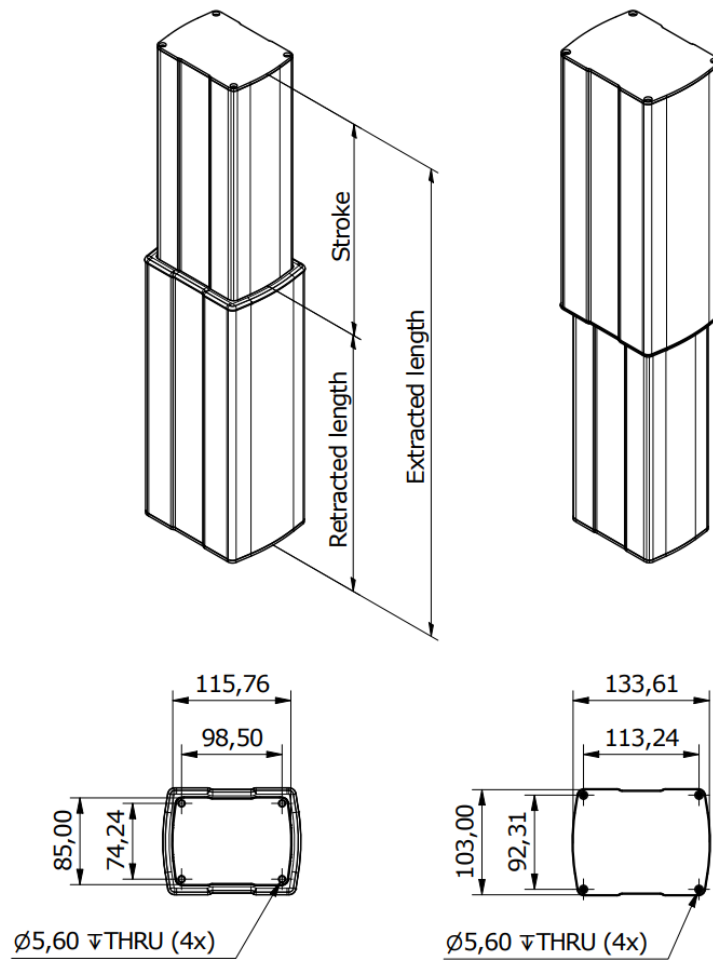
	SE-BF23	SE-VF23	SE-BD23	SE-VD23	SE-BE23	SE-VE23
Force, max push*	1.100 N	1.500 N	1.500 N	1.900 N	2.000 N	2.500 N
Self-locking force**	1.100 N	700 N	1.500 N	1.500 N	2.000 N	2.000 N
Speed @max load	25 mm/s	26 mm/s	23 mm/s	20 mm/s	16 mm/s	13 mm/s
Stroke, S (longer strokes on request)	50 mm to 700 mm					
Retracted length, R***	$R = S + 120$					
Duty cycle [%]	10 % (1 min ON / 9 min OFF)					
Voltage	24 VDC					
Ambient temp	+10°C to +40°C					
Current @max load	7 A	6 A	7 A	6 A	7 A	6 A
IP Class	IP 30					
Safety factor Static centric load @ max stroke & load*	7	4,5	1,8	2,5	5	4

\* 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



### Pin layout (SE-B)



6 pin 172160-1 Male

### Connectors

	Description	Colour
1.	Motor -	Black
2.	Motor +	Blue
3.	Hall sensor +5V,	Red
4.	Hall sensor output 2	Violet
5.	Hall sensor -	Black
6.	Hall sensor output 1	Green

### Pin layout (SE-V)



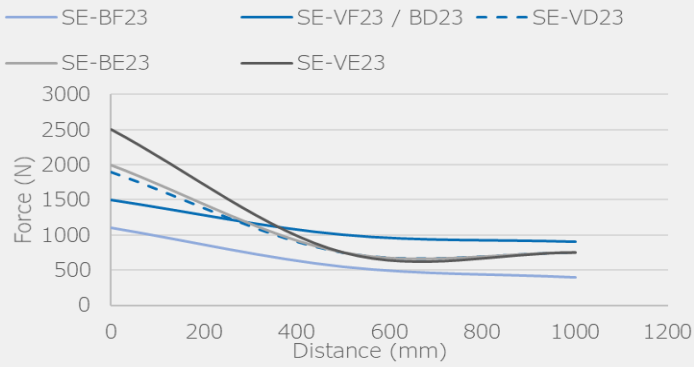
8 pin JS-1149-08 Male

### Connectors

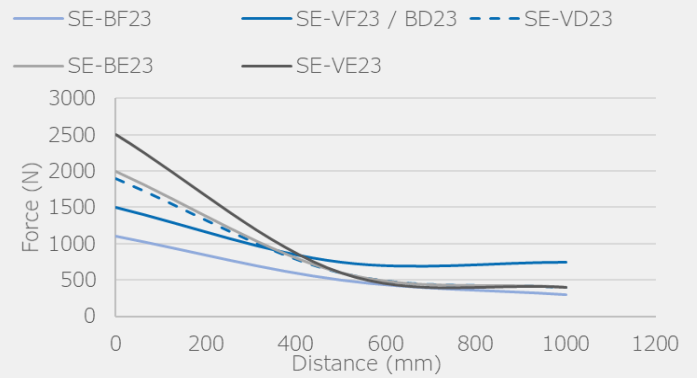
	Description	Colour
1.	Hall sensor 1	White
2.	+5V	Red
3.	Limit switch 2	-
4.	Motor+	Green (motor: White)
5.	Hall sensor 2	Blue
6.	Limit switch 1	-
7.	GND	Black
8.	Motor-	Yellow

## Offset load diagrams

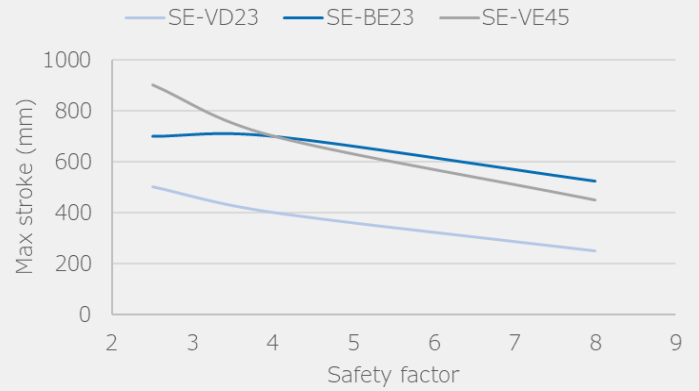
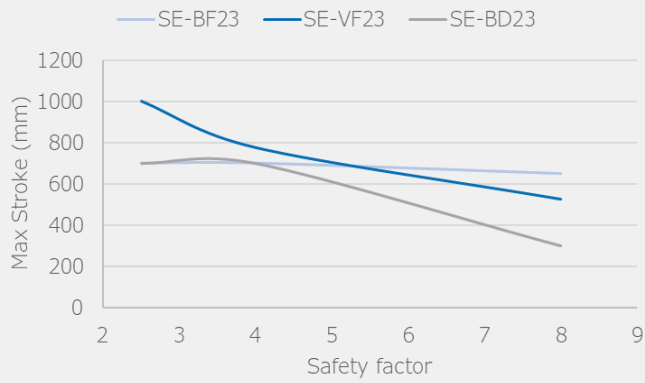
Long retracted length



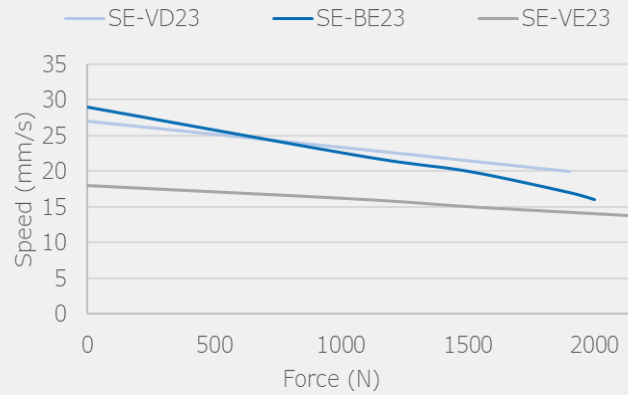
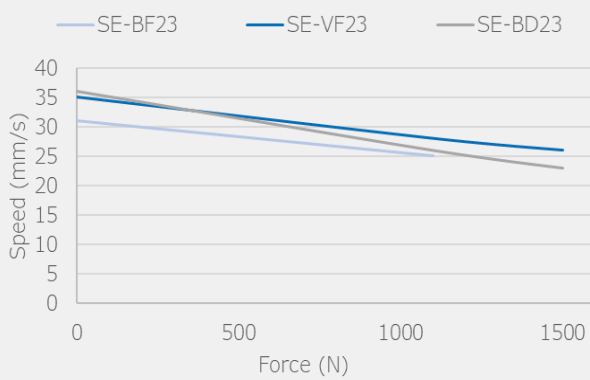
Short retracted length



## Safety factor diagrams



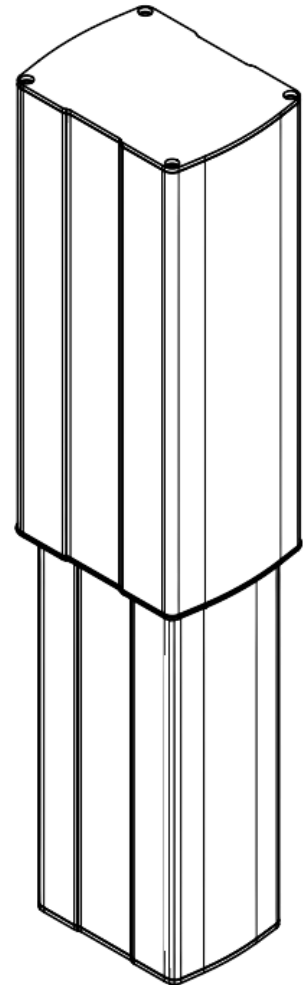
## Speed diagrams



# 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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