



X2 TECHNOLOGY

A Phoenix Mecano Brand

Lifting column

A-series

A13

A23

Max 3.000N



Made in Sweden

Description

A13 and A23-columns are very robust columns that are efficient when a highly reliable column is desired to lift centric or offset loads. With its stiff aluminum tubes and long-life pads, it offers a stable and reliable guiding system that is maintenance free.



 Long lifetime

 Great offset load

 Very robust

Features

Push
Build in hall sensor
Limit switch
Cable out large tube

Options

Potentiometer
Cable through
Cable out small tube

Technical data

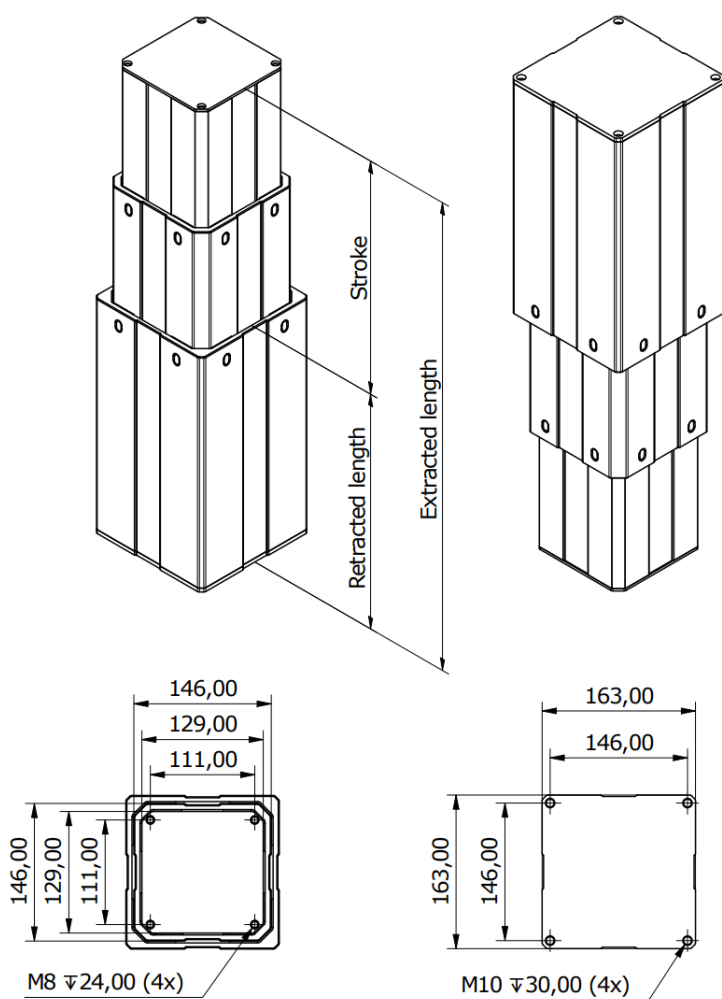
	DA-SJ13	DA-SI13	DA-SH13	SA-SF13 SA-SF23	DA-SG13	SA-SD13 SA-SD23	SA-SE13 SA-SE23
Force, max push*	1.000 N	1.400 N	1.500 N	1.750 N	2.000 N	2.250 N	3.000 N
Self-locking force**	1.000 N	1.400 N	1.500 N	1.000 N	2.000 N	1.750 N	2.750 N
Speed @max load	31 mm/s	23 mm/s	18 mm/s	21 mm/s	10 mm/s	16 mm/s	10 mm/s
Stroke, S (longer strokes on request)	50 mm to 1.000 mm			50 mm to 700 mm	50 mm to 1.000 mm	50 mm to 700 mm	
Retracted length, R***	R = S/2 + 175 mm			R = S + 120 mm	R = S/2 + 175 mm	R = S + 120 mm	
Duty cycle [%]	1 min / 9 min (10%)						
Voltage	24 VDC						
Ambient temp	+10°C to +40°C						
Current @max load	5,5 A				5 A	5,5 A	
IP Class	IP 30						
Safety factor Static centric load @ max stroke & load*	5	3,5	3,25	4	2,5	1,2	3,5

* See diagrams on page 3

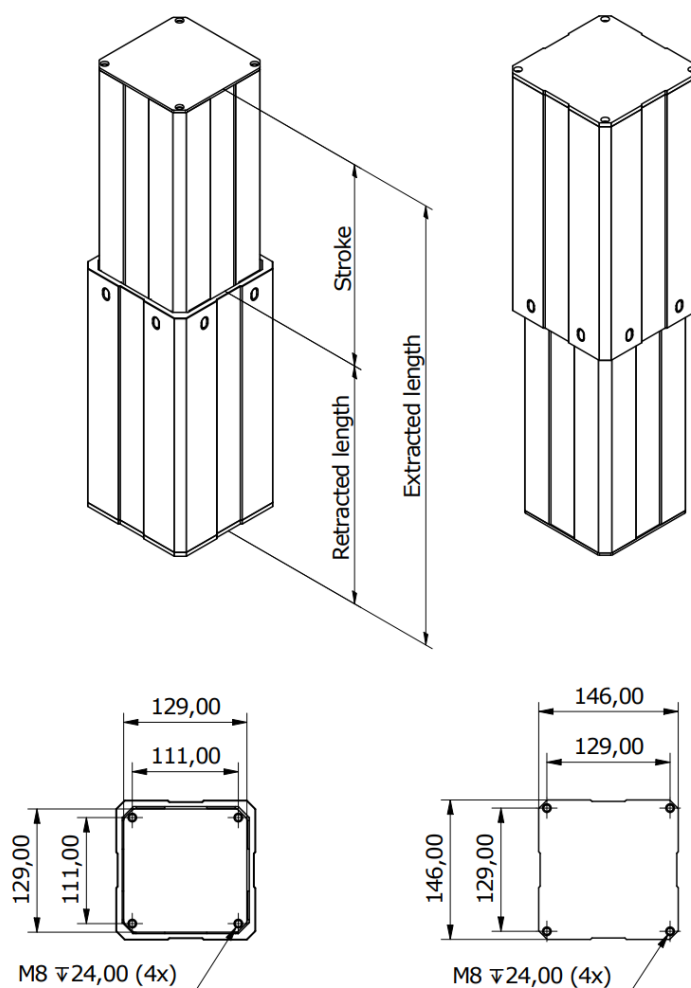
** Only applied when connected by short circuit

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

Technical drawing A13



Technical drawing A23



Pin layout

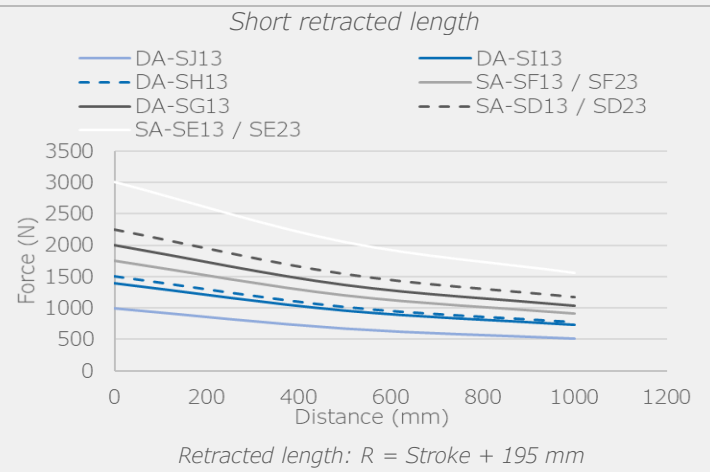
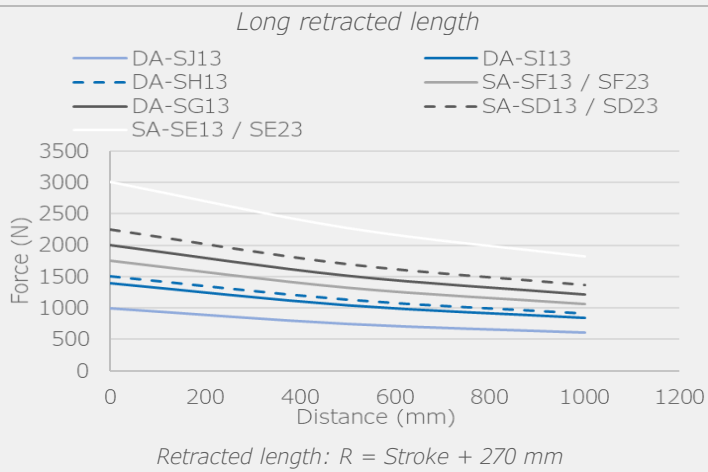


8 pin JS-1149-08 Male

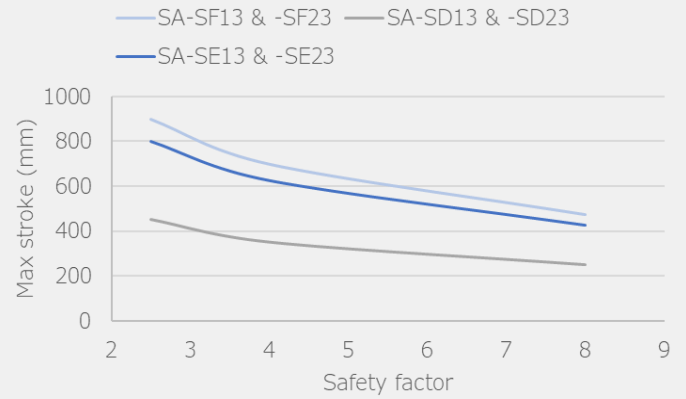
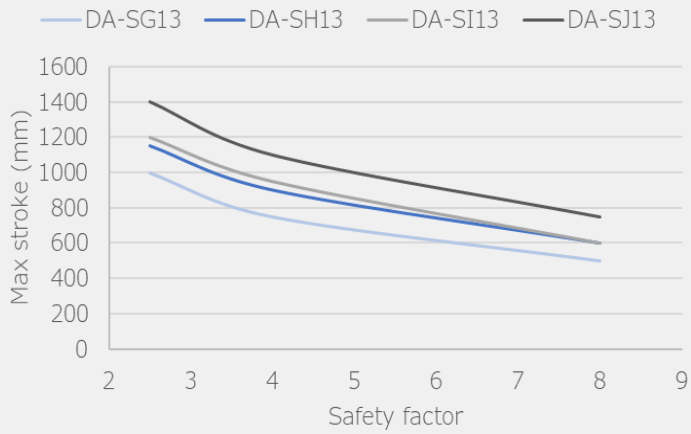
Connectors

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

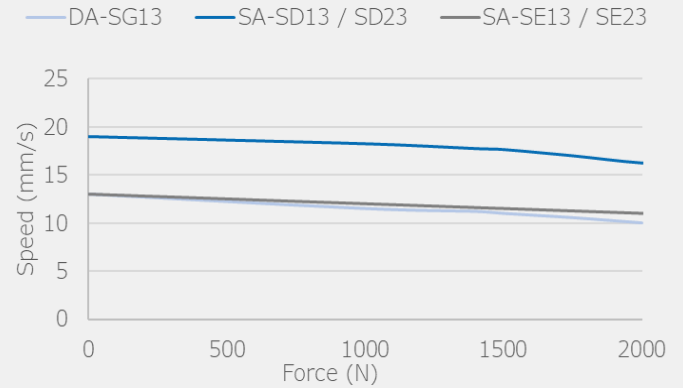
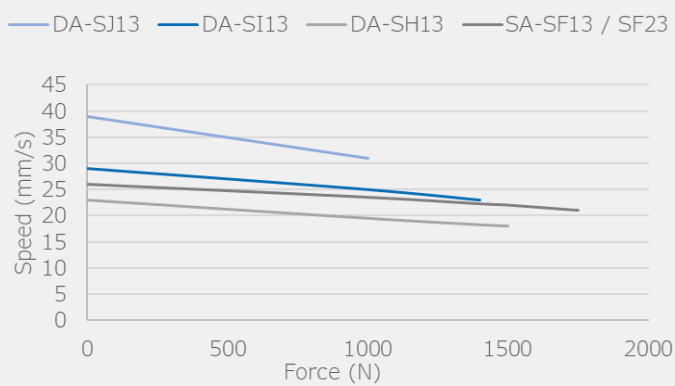
Offset load diagrams



Safety factor diagrams



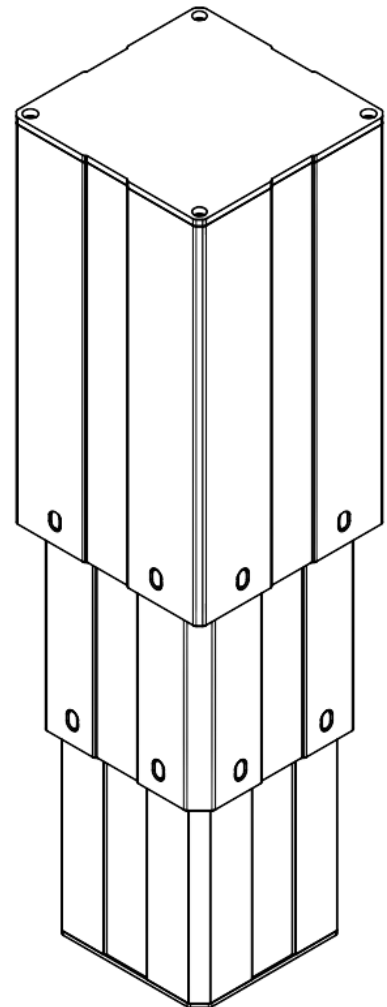
Speed diagram



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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