



**X2 TECHNOLOGY**

A Phoenix Mecano Brand

# Lifting column

**A-series**

A46

A56

Max 1.300 N



## Description

A46 and A56-columns are the smallest lifting columns in the A-series. The columns suit medical, ergonomic and industrial applications where a small and robust 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



Good offset load



Very robust

### Features

Push  
Cable out large tube  
Build in Hall Sensors

### Options

Cable through  
Cable out small tube  
Customizable top/bottom plates

## Technical data

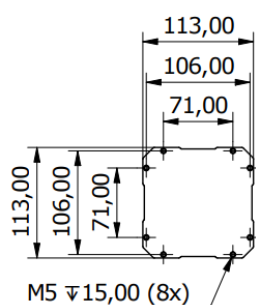
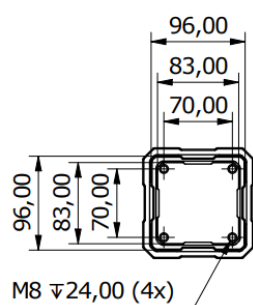
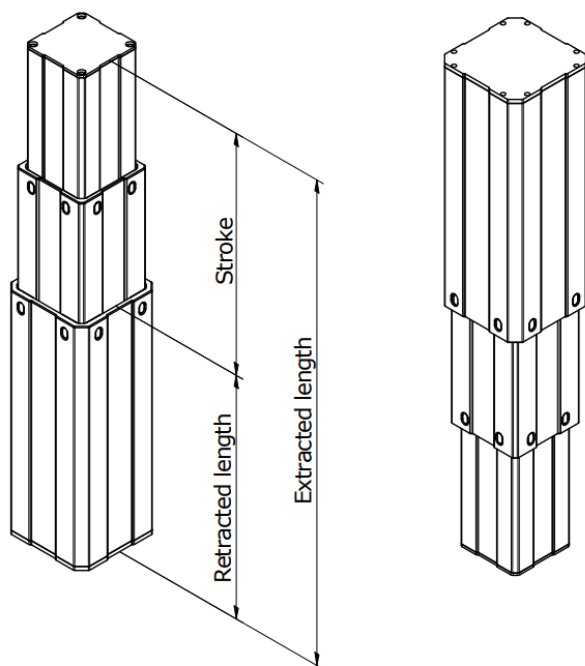
	DA-UZ46	SA-KF46 SA-KF56	SA-KD46 SA-KD56	SA-KE46 SA-KE56
Force, max push*	600 N	800 N	950 N	1.300 N
Self-locking force**	700 N	800 N	950 N	1.300 N
Speed @max load	35 mm/s	30 mm/s	22 mm/s	15 mm/s
Stroke, S (longer strokes on request)	50 mm to 800 mm	50 mm to 700 mm		
Retracted length, R***	R = S/2 + 187 mm	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	5 A			
IP Class	IP 30			
Safety factor Static centric load @ max stroke & load*	-	9	2,7	8

\* See diagrams on page 3

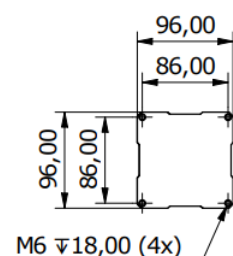
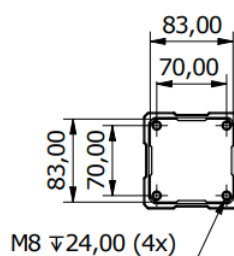
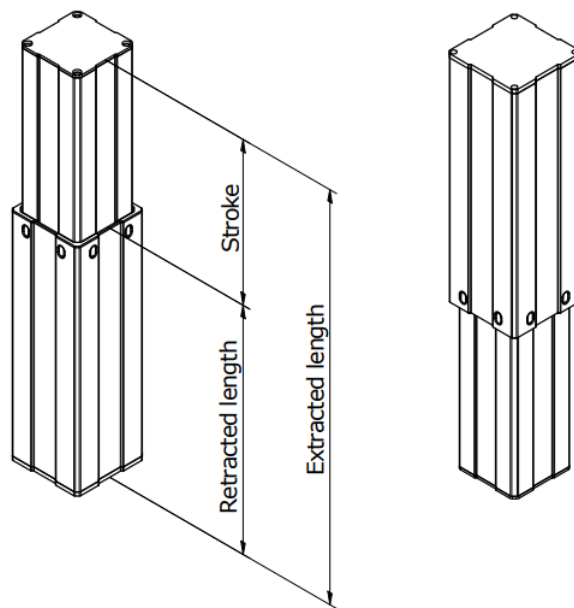
\*\* Only applied when connected by short circuit

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

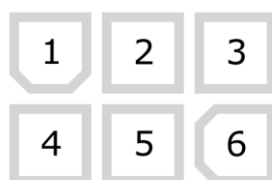
**Technical drawing A46**



**Technical drawing A56**



### Pin layout



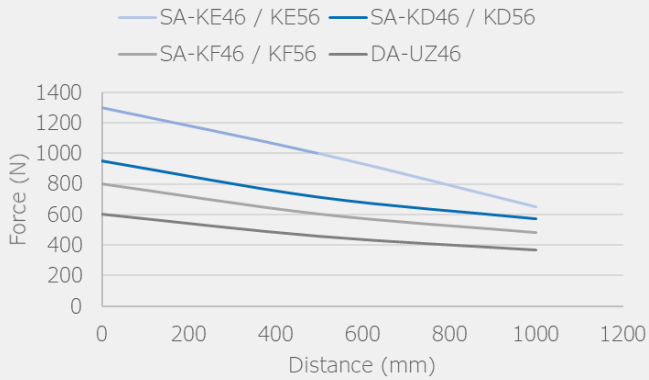
6 pin 172160-1 Male

### 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

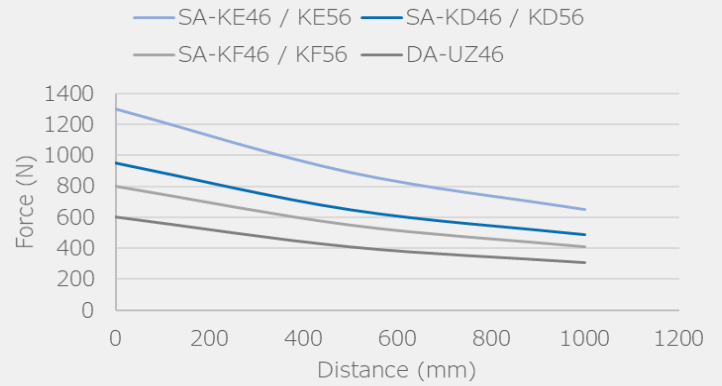
## Offset load diagrams

*Long retracted length*



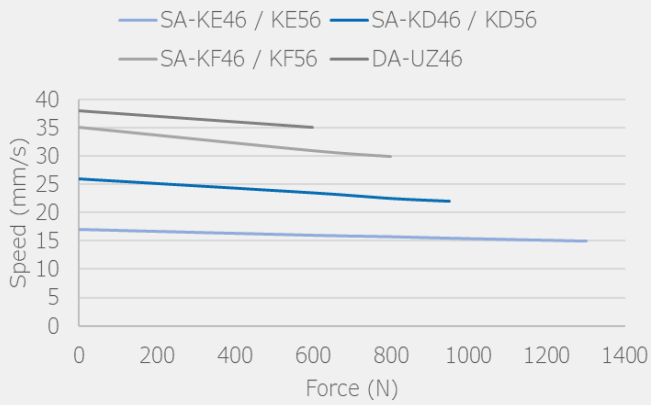
Retracted length:  $R = \text{Stroke} + 270 \text{ mm}$

*Short retracted length*

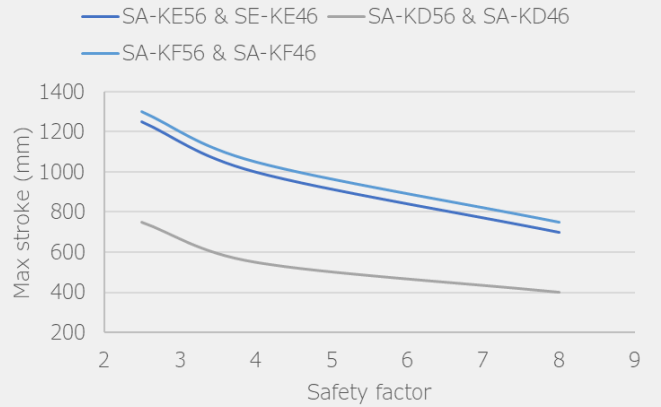


Retracted length:  $R = \text{Stroke} + 195 \text{ mm}$

## Speed diagram



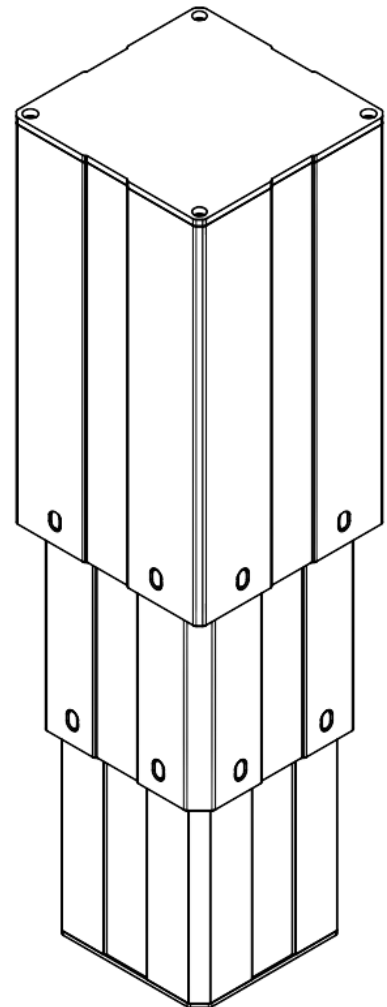
## Safety factor diagram



# 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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