

# Lifting column



technology<sup>?</sup>

**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

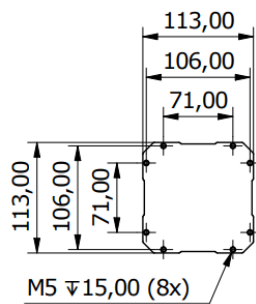
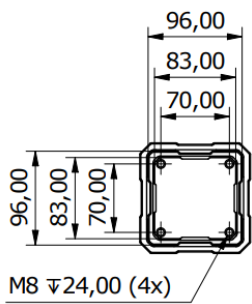
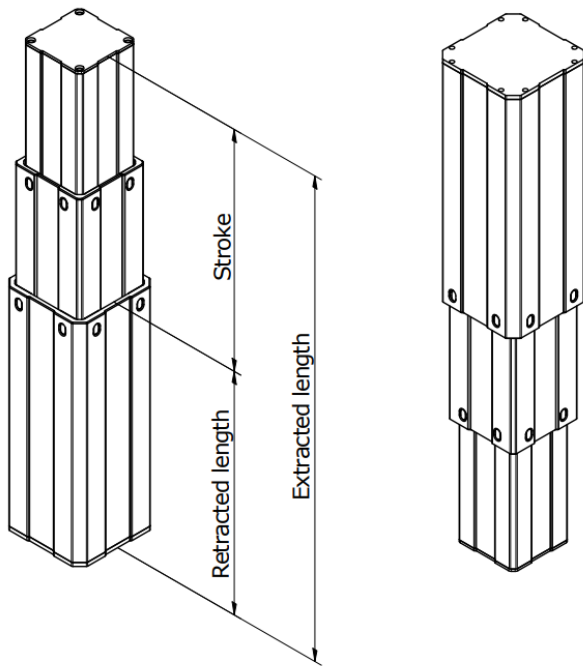
	DA-UZ46	SA-KF46 SA-KF56	SA-KD46 SA-KD56	SA-KE46 SA-KE56
Force, max push*	600 N	800 N	950 N	1.300 N
Self-locking force**	700 N	800 N	950 N	1.300 N
Speed @max load	35 mm/s	30 mm/s	22 mm/s	15 mm/s
Stroke, S (longer strokes on request)	50 mm to 800 mm	50 mm to 700 mm		
Retracted length, R***	$R = S/2 + 187 \text{ mm}$	$R = S + 120 \text{ mm}$		
Duty cycle [%]	10 % (1 min ON / 9 min OFF)			
Voltage	24 VDC			
Ambient temp	+10°C to +40°C			
Current @max load	5 A			
IP Class	IP 30			
Safety factor Static centric load @ max stroke & load*	-	9	2,7	8

\* See diagrams on page 3

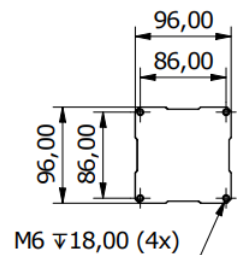
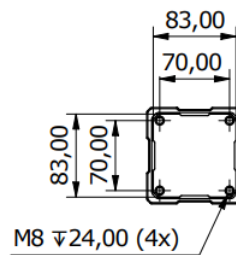
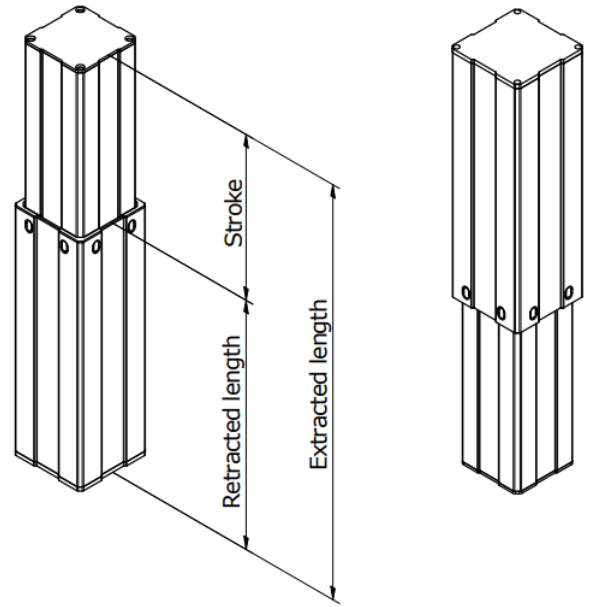
\*\* Only applied when connected by short circuit

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

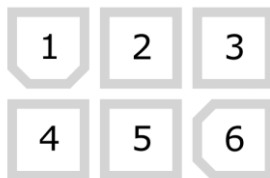
## Technical drawing A46



## Technical drawing A56



## Pin layout



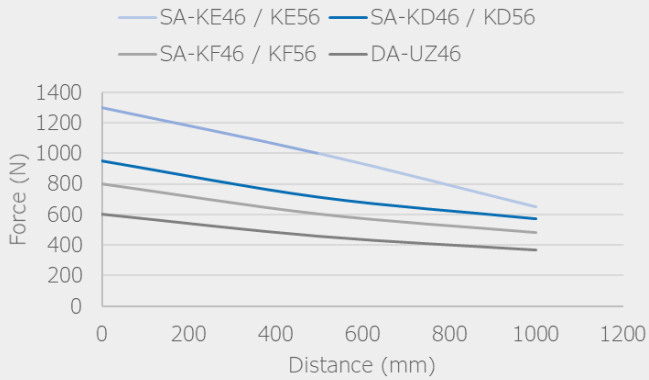
6 pin 172160-1 Male

## Connectors

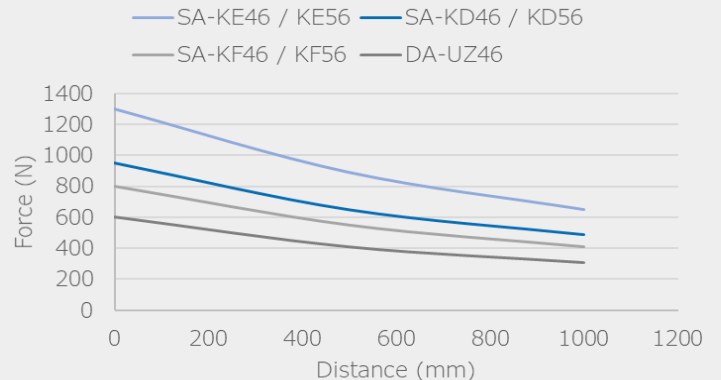
	Description	Colour
1.	Motor -	Black
2.	Motor +	Blue
3.	Hall sensor +5V,	Red
4.	Hall sensor output 2	Violet
5.	Hall sensor -	Black
6.	Hall sensor output 1	Green

## Offset load diagrams

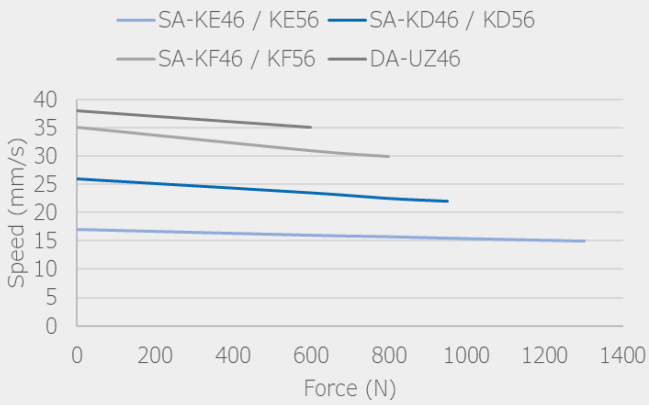
Long retracted length



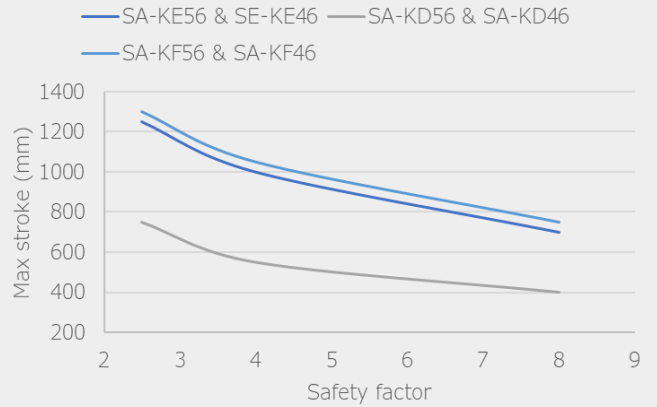
Short retracted length



## Speed diagram



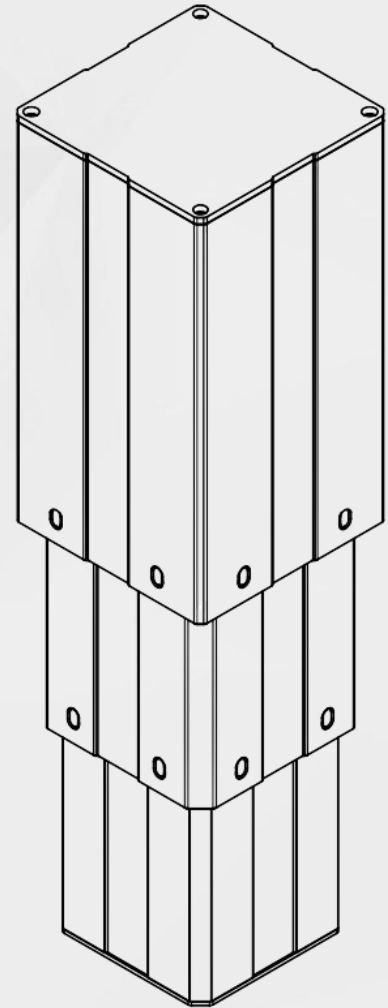
## Safety factor diagram



# X2 Technology – The Customizer

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