



**X2 TECHNOLOGY**

A Phoenix Mecano Brand

# Lifting column

**A-series**

A35

A45

Max 2.500 N



Made in Sweden

## Description

The A35 and A45 lifting columns are in the smaller range of the A-series. They suit applications that require a small, stable, and robust column for centric or offset loads. With the stiff aluminum tubes and long-life pads, they offer a stable and reliable guiding system that is maintenance free.



 Long lifetime

 Good offset load

 Very robust

### Features

Push  
Build in hall sensors  
Cable out large tube (A45)  
Cable out small tube (A35)  
Limit switch

### Options

Potentiometer  
Cable through  
Cable out small tube (A45)  
Cable out large tube (A35)

## Technical data

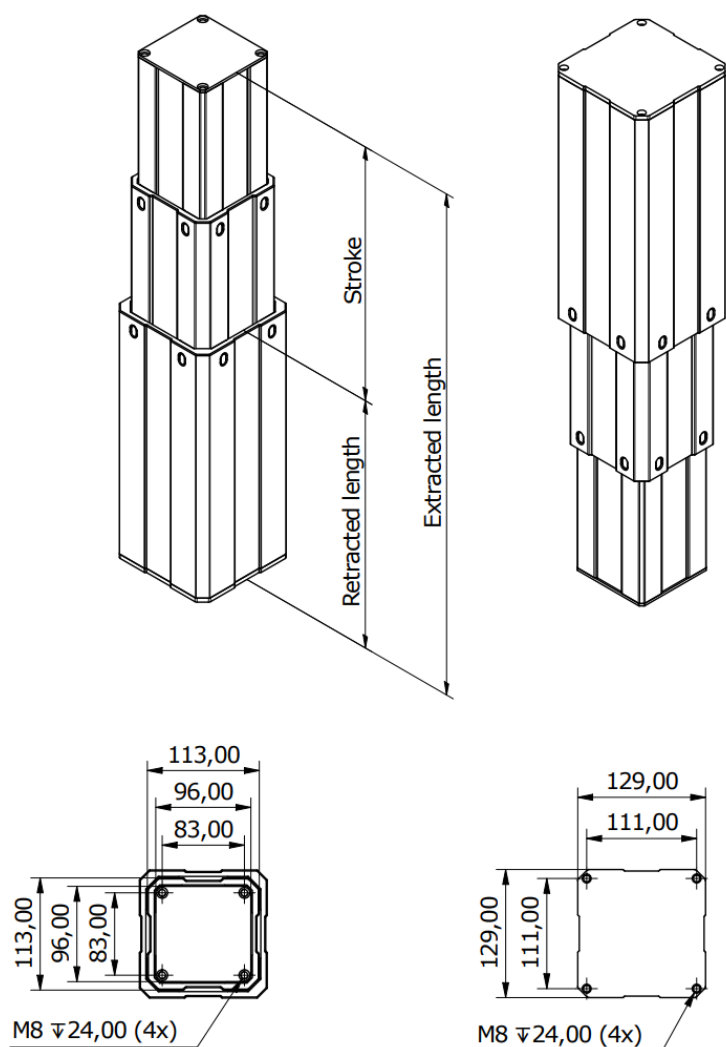
|  | DA-VE35                    | DA-VD35 | SA-VF45       | SA-VD45 | SA-VE45 |
|--|----------------------------|---------|---------------|---------|---------|
| Force, max push*   | 800 N                      | 1.000 N | 1.500 N       | 1.900 N | 2.500 N |
| Self-locking force**   | 500 N                      | 1.000 N | 700 N         | 1.500 N | 2.000 N |
| Speed @max load  | 26 mm/s                    | 18 mm/s | 26 mm/s       | 20 mm/s | 13 mm/s |
| Stroke, S<br>(longer strokes on request)                     | 50 mm to 800 mm            |         | 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  | 6 A                        | 5 A     | 6 A           |         |         |
| IP Class   | IP 30                      |         |               |         |         |
| Safety factor<br>Static centric load @ max<br>stroke & load* |                            |         | 4,5           | 2,5     | 4       |

\* See diagrams on page 3

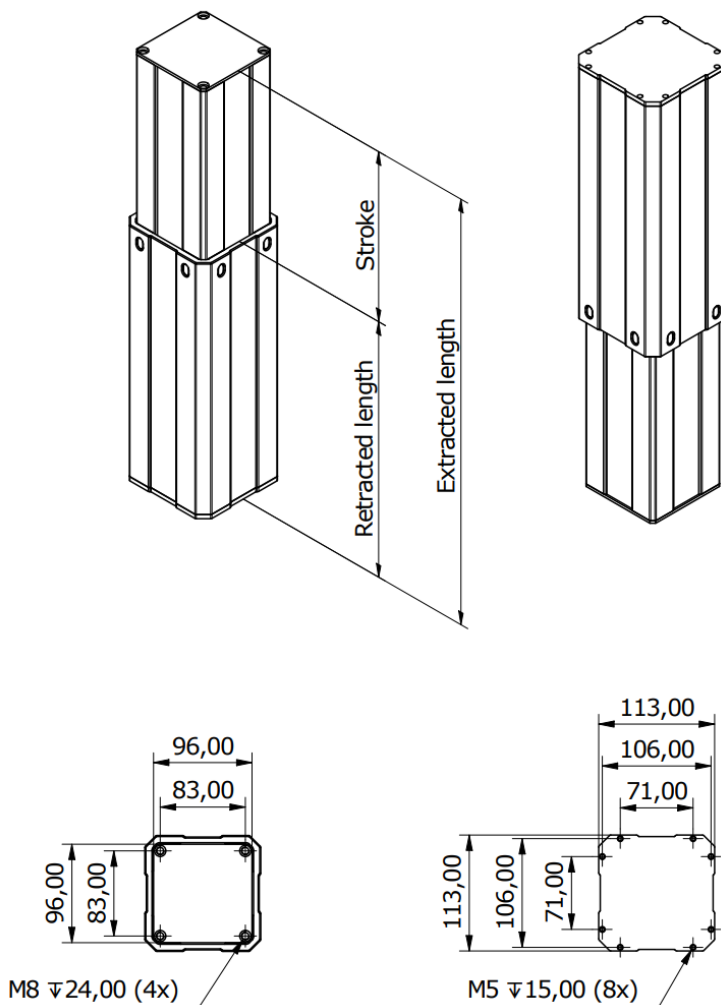
\*\* Only applied when connected by short circuit

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

## Technical drawing A35



## Technical drawing A45



## Pin layout



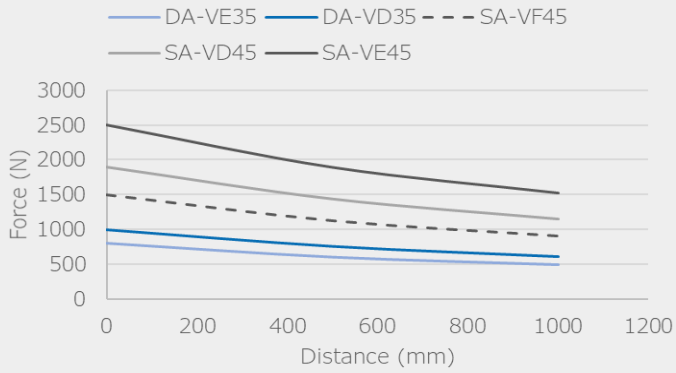
8 pin JS-1149-08 Male

## Connectors

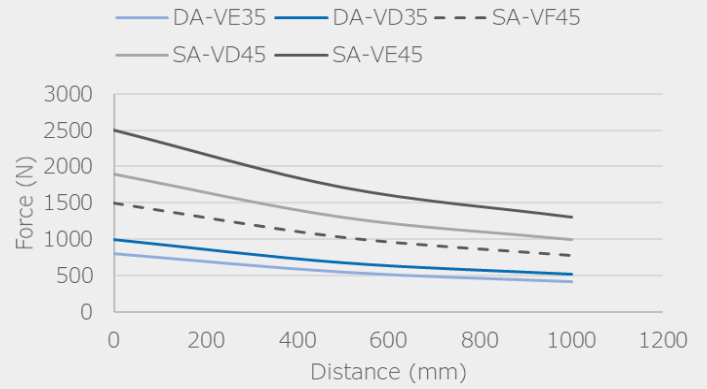
|    | Description    |
|----|----------------|
| 1. | Hall sensor 1  |
| 2. | +5V            |
| 3. | Limit switch 2 |
| 4. | Motor+         |
| 5. | Hall sensor 2  |
| 6. | Limit switch 1 |
| 7. | GND            |
| 8. | Motor-         |

## Offset load diagrams

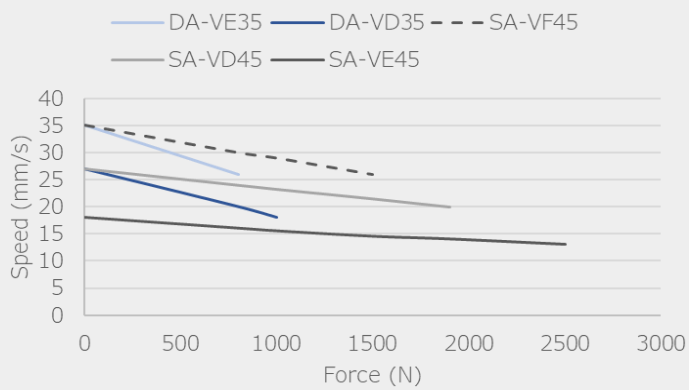
Long retracted length



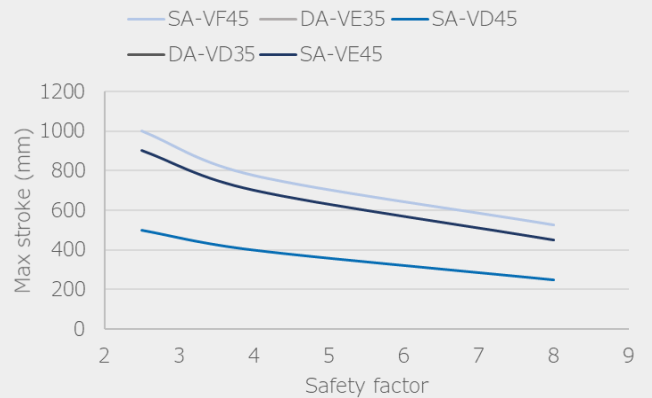
Short retracted length



## Speed diagram



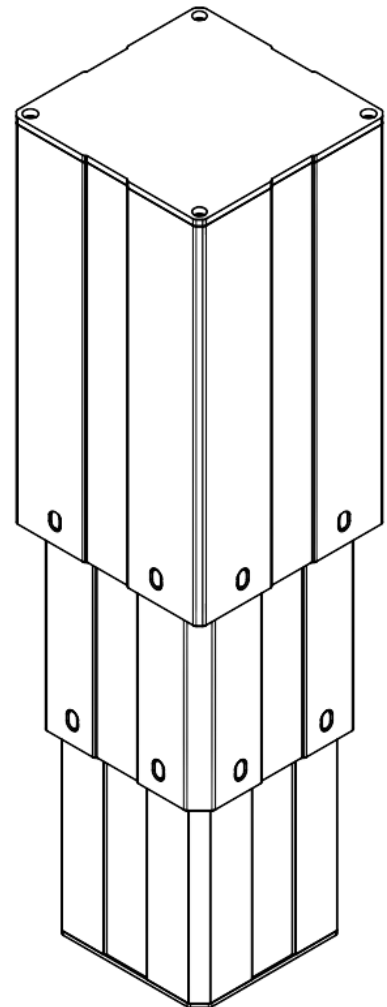
## Safety factor diagram



# 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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