

Lifting column



technology[?]

A-series

A35

A45


Max 2.500 N




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
Limit switch
Cable out large tube (A45)
Cable out small tube (A35)

Options

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

Technical data

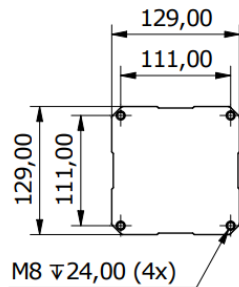
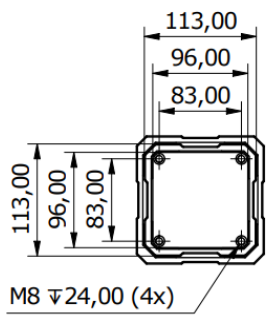
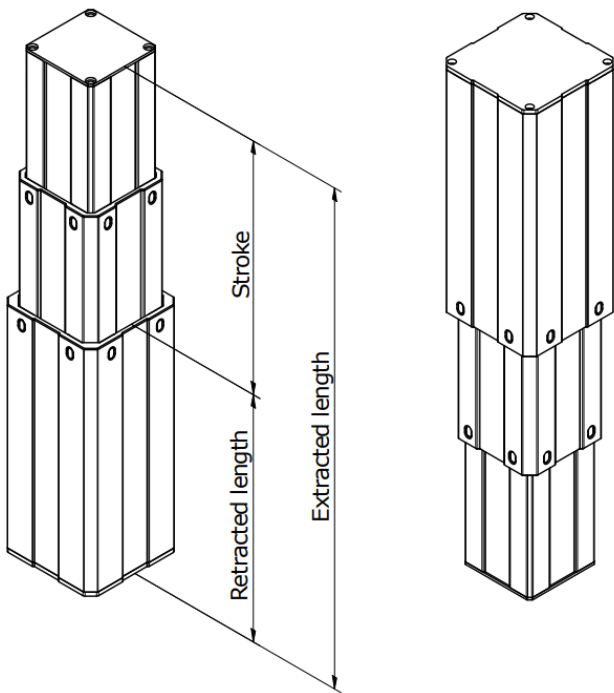
	DA-VE35	DA-VD35	SA-VF45	SA-VD45	SA-VE45
Force, max push*	800 N	1.000 N	1.500 N	1.900 N	2.500 N
Self-locking force**	500 N	1.000 N	700 N	1.500 N	2.000 N
Speed @max load	26 mm/s	18 mm/s	26 mm/s	20 mm/s	13 mm/s
Stroke, S (longer strokes on request)	50 mm to 800 mm		700 mm		
Retracted length, R***	R= S/2 + 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 Static centric load @ max stroke & load*	?	?	4,5	2,5	4

* See diagrams on page 3

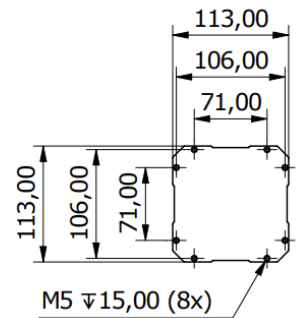
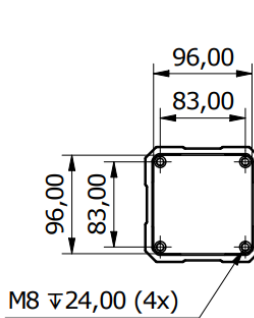
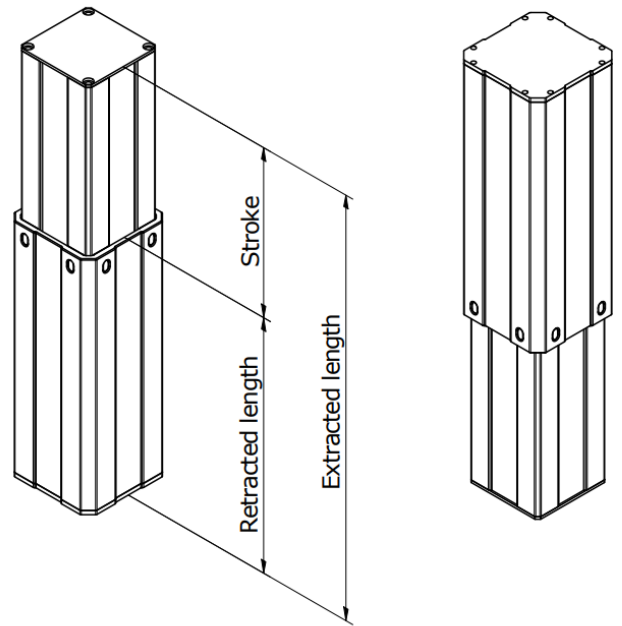
** Only applied when connected by short circuit

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

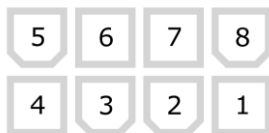
Technical drawing A35



Technical drawing A45



Pin layout



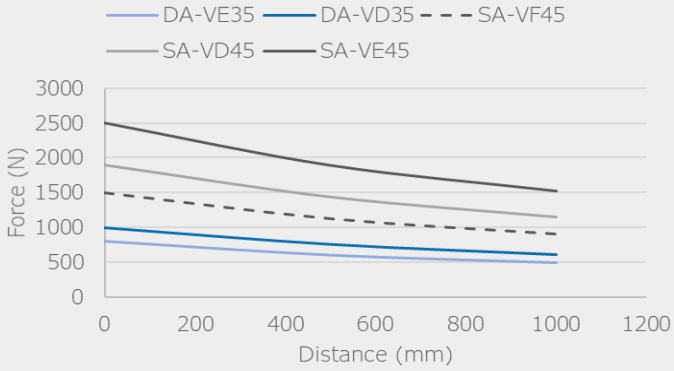
8 pin JS-1149-08 Male

Connectors

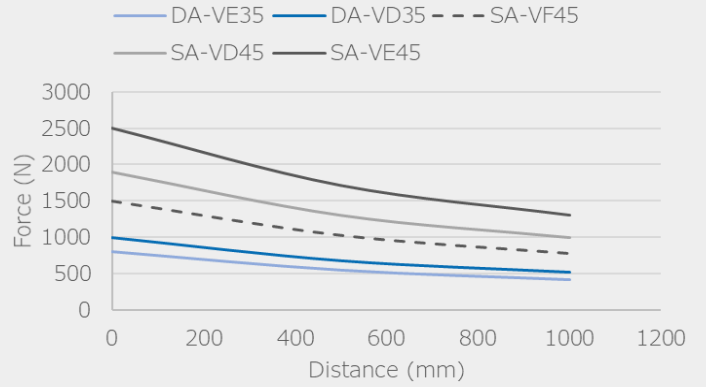
	Description
1.	Hall sensor 1
2.	+5V
3.	Limit switch 2
4.	Motor+
5.	Hall sensor 2
6.	Limit switch 1
7.	GND
8.	Motor-

Offset load diagrams

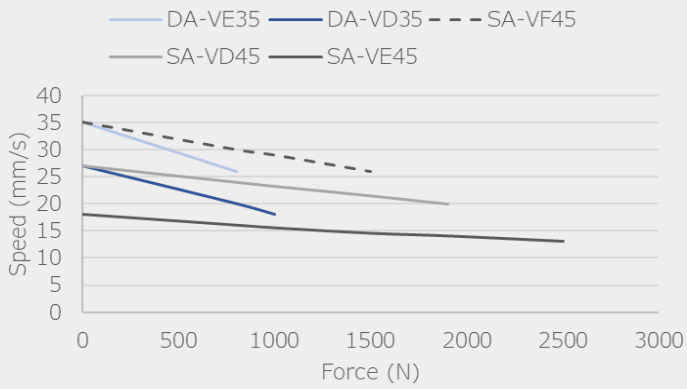
Long retracted length



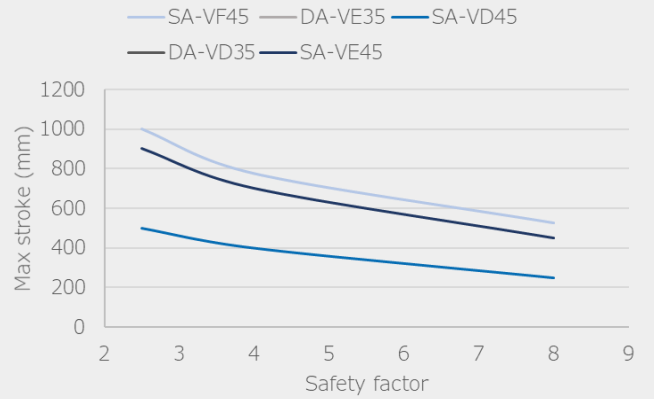
Short retracted length



Speed diagram



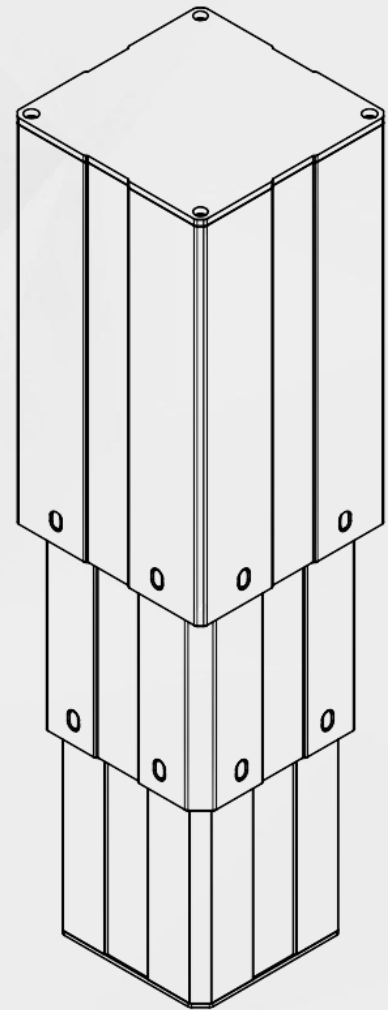
Safety factor diagram



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