



X2 TECHNOLOGY

A Phoenix Mecano Brand

Lifting column

A-series

A14

Max 1.400N






Made in Sweden

Description

The A14 lifting column is designed for applications that require a very short retracted length. With its stiff aluminium tubes, the A14 column gives a very robust and reliable system that works great with offset loads. The column has long-life pads which makes it maintenance free.



-  Long lifetime
-  Great offset load
-  Short retracted length

Features

Push
Limit switch
Cable out small tube

Options

Pull
Encoder
Potentiometer

Technical data

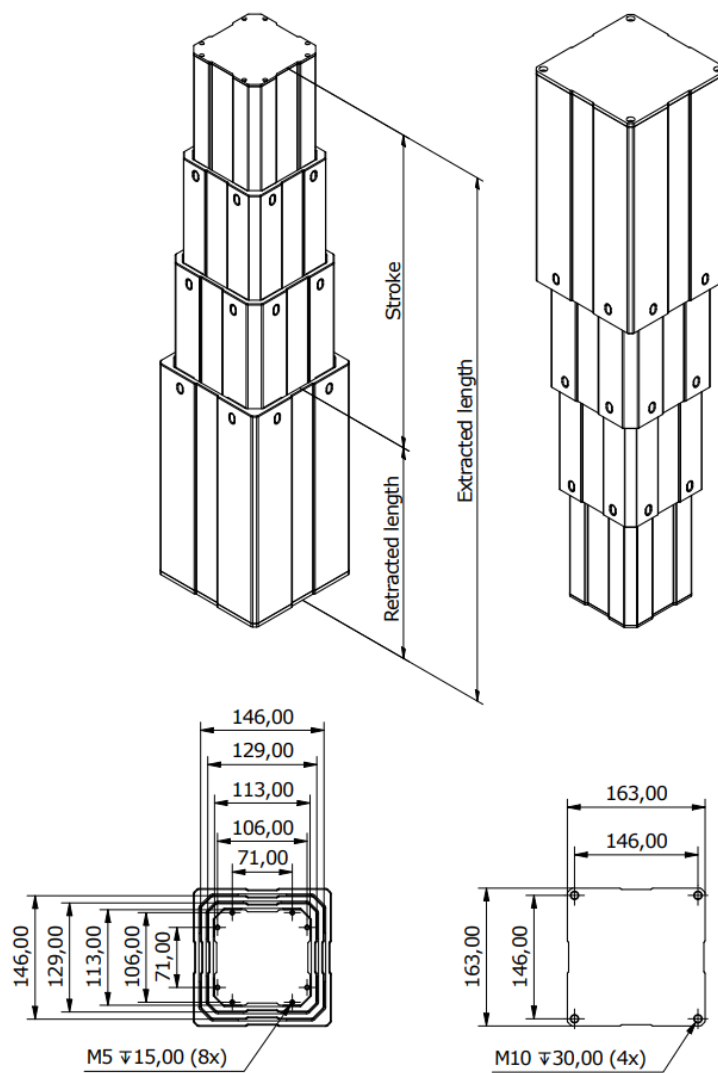
	DA-OD14	DA-PD14	DA-QD14	DA-OB14	DA-PB14	DA-QB14
Force, max push*	250 N	400 N	500 N	750 N	1.000 N	1.400 N
Self-locking force**	700 N	800 N		1.500 N		
Speed @max load	75 mm/s	62 mm/s	49 mm/s	25 mm/s	21 mm/s	21 mm/s
Stroke, S (longer strokes on request)	1.500 mm					
Retracted length, R***	$R = S/3 + 208 \text{ mm}$					
Duty cycle [%]	20% (2 min ON / 8 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*	15	10	8	6	7	3

* 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 A14



Pin layout



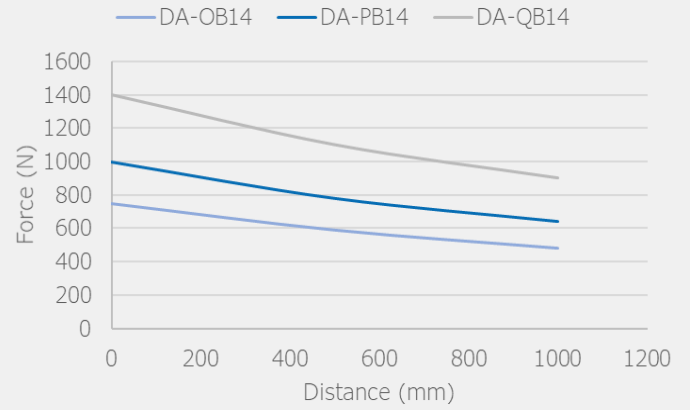
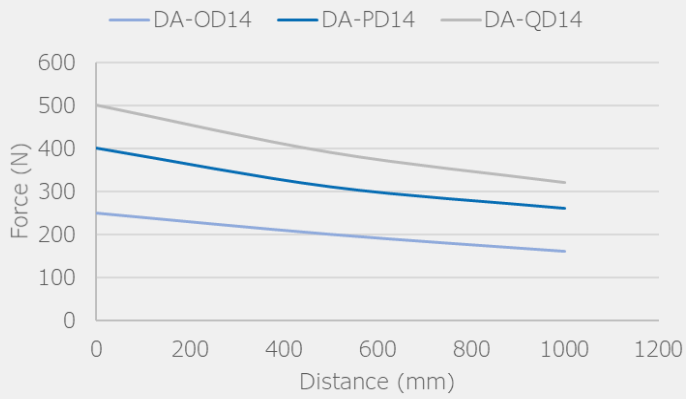
8 pin JS-1149-08 Male

Connectors

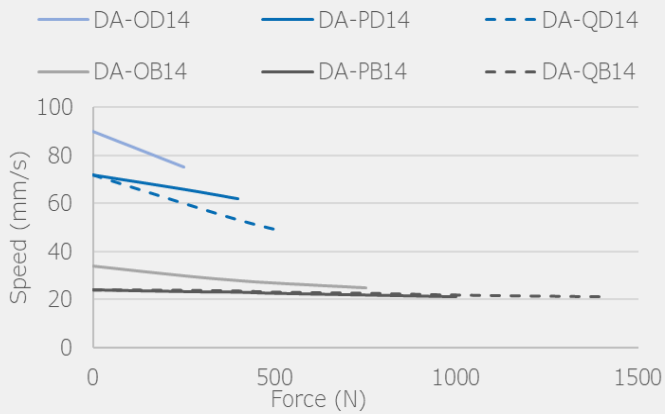
	Description
1.	Not in use
2.	Not in use
3.	Not in use
4.	Motor+
5.	Not in use
6.	Not in use
7.	Not in use
8.	Motor-

Offset load diagrams

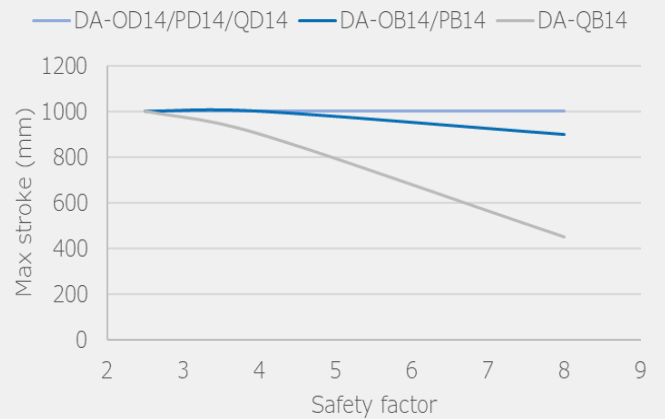
Retracted length = $S/3 + 208$ mm, longer retracted length enables heavier offset loads



Speed diagram



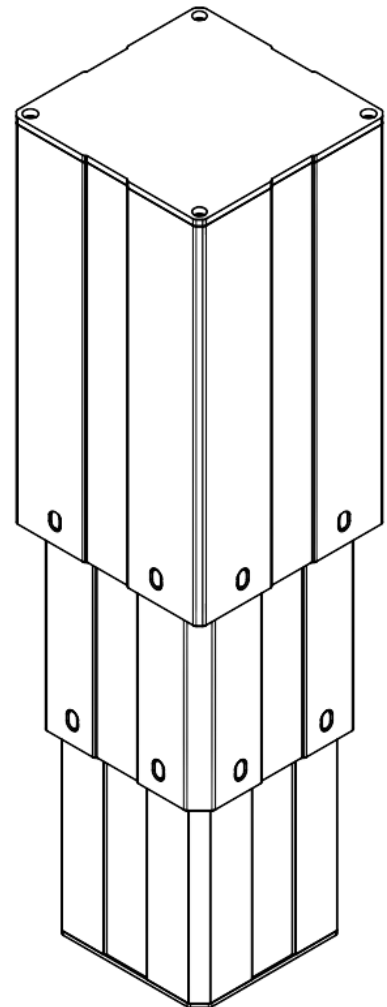
Safety factor diagram



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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