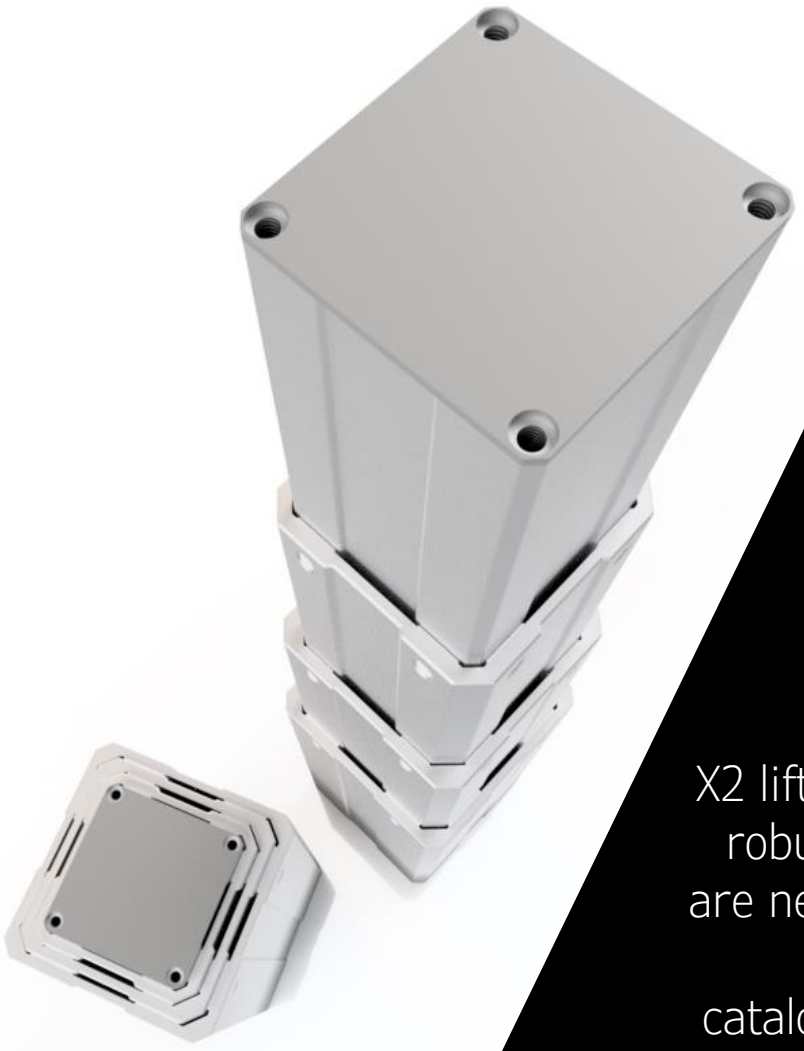
X2 TECHNOLOGY
A Phoenix Mecano Brand

Product range catalogue

Lifting Columns

Made in Sweden



The Customizer

X2 lifting columns are used wherever robust and reliable guiding systems are needed to lift medical, ergonomic or industrial equipment. In this catalogue, you can find our standard product range of lifting columns. If you can not find any that fulfils your demand, we can make a customized column for you. In fact, most of our supplied lifting columns are customized.

Table of content

Range of lifting columns

All our lifting columns are made of stiff aluminium tubes and treated for lowest possible friction. This enables us to mount them with very tight tolerances to achieve a maintenance free and smooth run without any play. Our columns are applicable in the medical, ergonomic and industrial area. You find our standard range below.

A-series

The A-series is our square model. It has a very stable performance and works great with heavy centric and offset loads. With up to 6 sections, the A columns can be offered with very short retracted lengths.

B-series

The B-series is one of our rectangular models in the middle range that enables a very stable and smooth run with high offset loads.

A-series

B-series

E-series

F-series

E-series

E-series is our smallest series. It offers good stability and performance for applications in confined spaces or for lighter loads.

F-series

F-series is our asymmetric column which has a softer design yet still the same good qualities that the other columns have when it comes to performance.

G-series

G-series is in the small range of the rectangular models. It is a very robust and reliable columns and works good with offset loads.

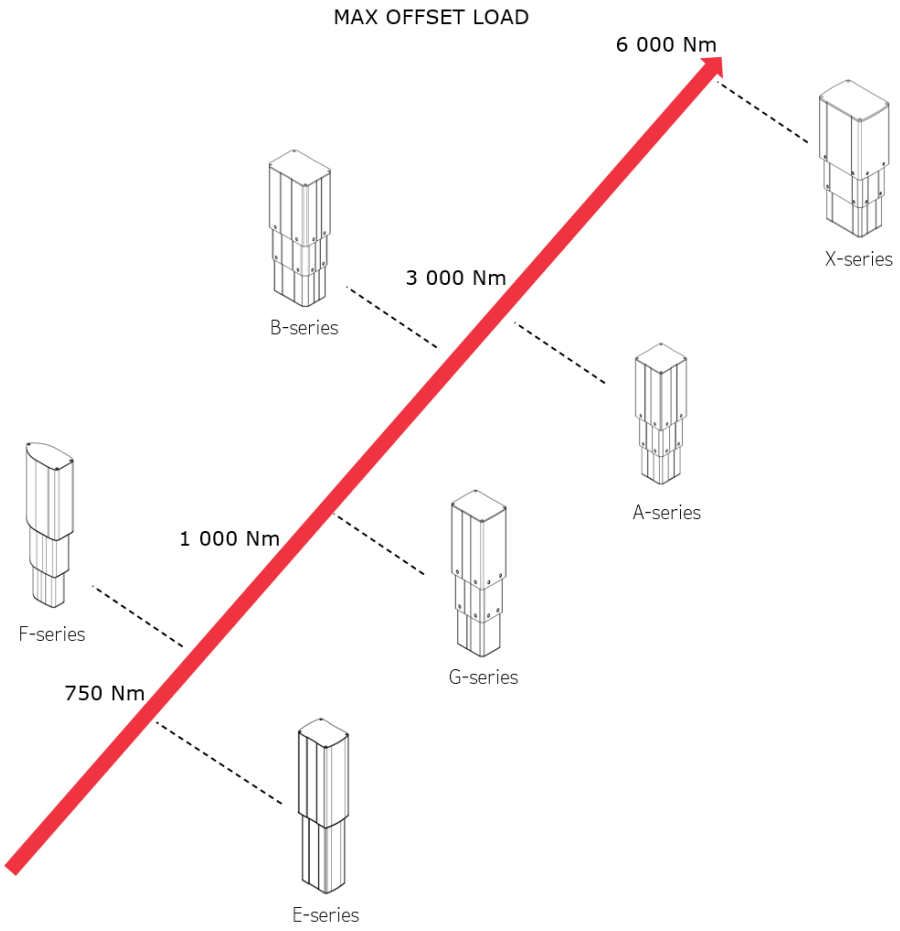
X-series

The X-series is our top of the range column and the most robust column on the market. It performs exceptionally well with extreme offset loads.

G-series

X-series

Comparison



@max	Force	Speed	Stroke	Offset	Sections
A-series	12.000 N	250 mm/s	3.000 mm	3.000 Nm	2-, 3-, 4-, 5-, & 6-sections
B-series	12.000 N	250 mm/s	3.000 mm	2.500 Nm	2- & 3-sections
E-series	2.500 N	26 mm/s	700 mm	750 Nm	2-sections
F-series	2.500 N	35 mm/s	800 mm	800 Nm	2- & 3-sections
G-series	3.000 N	31 mm/s	1.000 mm	1.100 Nm	2- & 3-sections
X-series	12.000 N	250 mm/s	3.000 mm	6.000 Nm	2- & 3-sections

Not finding what you are looking for?
Contact us and we will customize one for you.

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A-series

Features

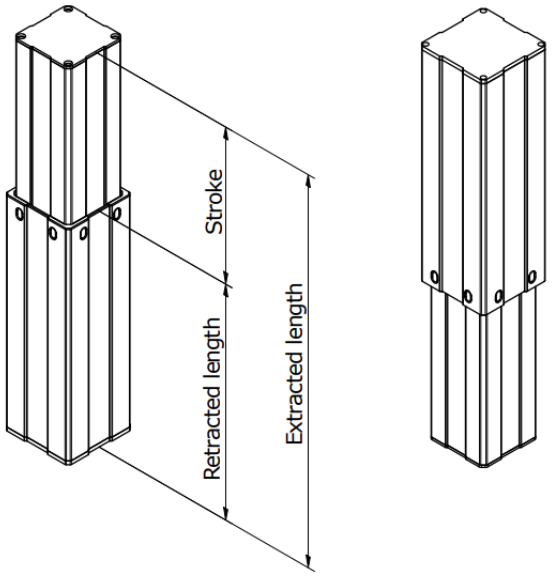
Very robust
Great offset load
Long stroke
Short retracted length

Options

Pull
Feedback
Customized

	A56	A46	A45	A35	A23	A14	A13
Load Max push	1.300 N	1.300 N	2.500 N	1.000 N	12.000 N	1.400 N	12.000 N
Offset load max @ 1 m	600 Nm	600 Nm	1.300 Nm	350 Nm	3.000 Nm	850 Nm	3.000 Nm
Speed max with load	30 mm/s	35 mm/s	26 mm/s	26 mm/s	125 mm/s	75 mm/s	250 mm/s
Stroke max	700 mm	800 mm	700 mm	800 mm	1.500 mm	1.500 mm	3.000 mm
Dimensions	96x96 mm	113x113 mm	113x113 mm	129x129 mm	146x146 mm	163x163 mm	163x163 mm

A56



Max Load
1.300 N push

Max offset load
600 N @ 1 m

Speed
Load: max 30 mm/s, no load: max 35mm/s

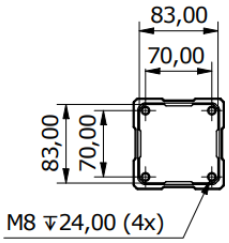
Stroke
Up to 700 mm, longer strokes on request

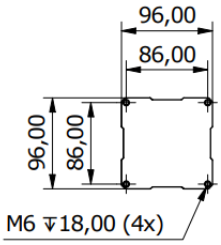
Retracted length
R = Stroke + 120 mm

Duty cycle
Normal cycle: 10%, 1 min on / 9 min off

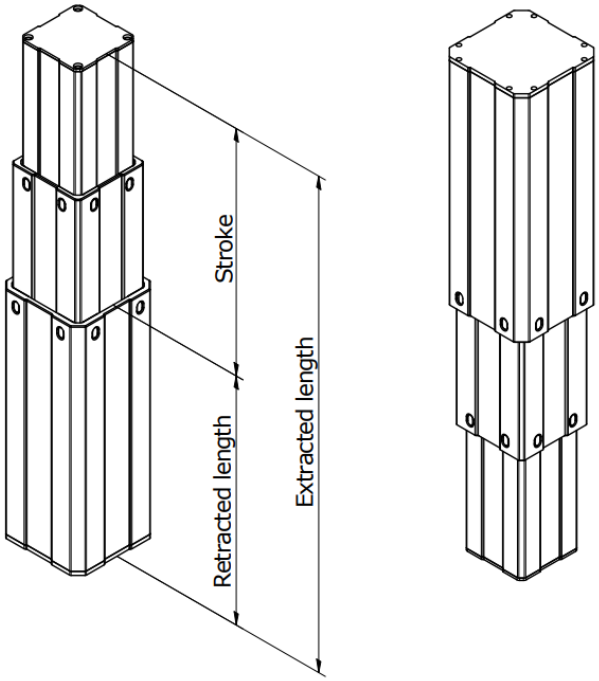
Current
5 A @ max load

**See datasheet for more information*





A46



Max Load
1.300 N push

Max offset load
600 N @ 1 m

Speed
Load: max 30 mm/s, no load: max 37 mm/s

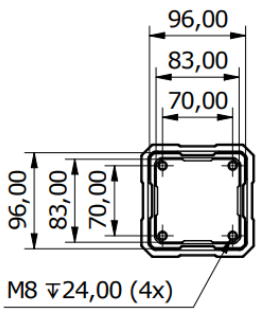
Stroke
Up to 800 mm, longer strokes on request

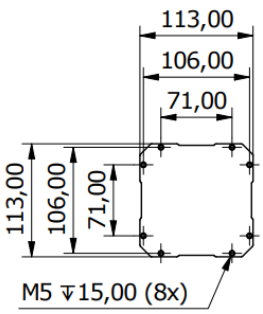
Retracted length
SA-models: R = Stroke + min 120 mm
DA-models: R = Stroke/2 + 187 mm

Duty cycle
Normal cycle: 10%, 1 min on / 9 min off

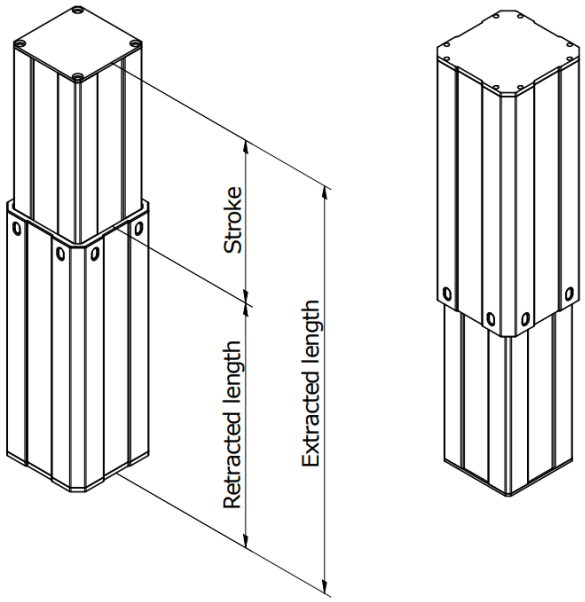
Current
5 A @ max load

**See datasheet for more information*





A45



Max Load
2.500 N push

Max offset load
1.300 N @ 1 m

Speed
Load: max 26 mm/s, no load: max 35 mm/s

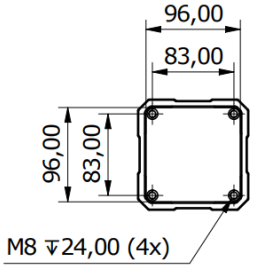
Stroke
Up to 700 mm, longer strokes on request

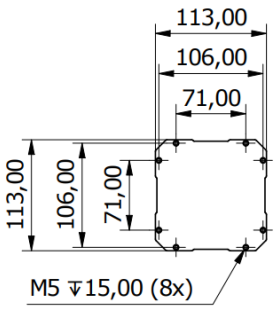
Retracted length
R = Stroke + 120 mm

Duty cycle
Normal cycle: 10%, 1 min on / 9 min off

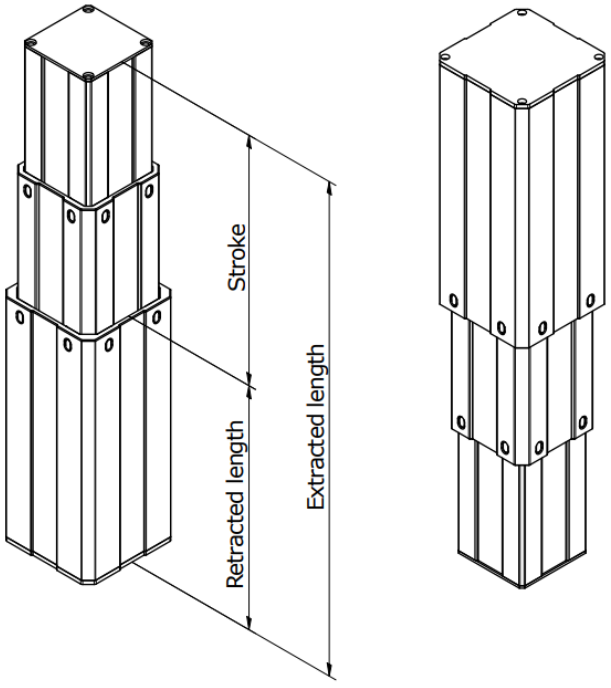
Current
4,5 A @ max load

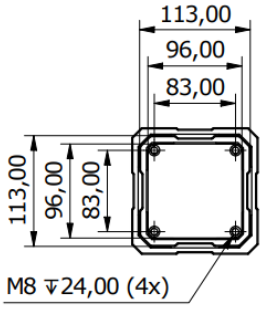
**See datasheet for more information*

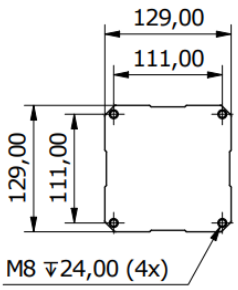




A35







Max Load
1.000 N push

Max offset load
350 N @ 1 m

Speed
Load: max 26 mm/s, no load: max 35 mm/s

Stroke
Up to 800 mm, longer strokes on request

Retracted length
R = Stroke/2 + 187 mm

Duty cycle
Normal cycle: 10%, 1 min on / 9 min off

Current
6 A @ max load

**See datasheet for more information*

A23

Max Load
12.000 N push

Max offset load
3.000 N @ 1 m

Speed
Load: max 125 mm/s, no load: max 140 mm/s

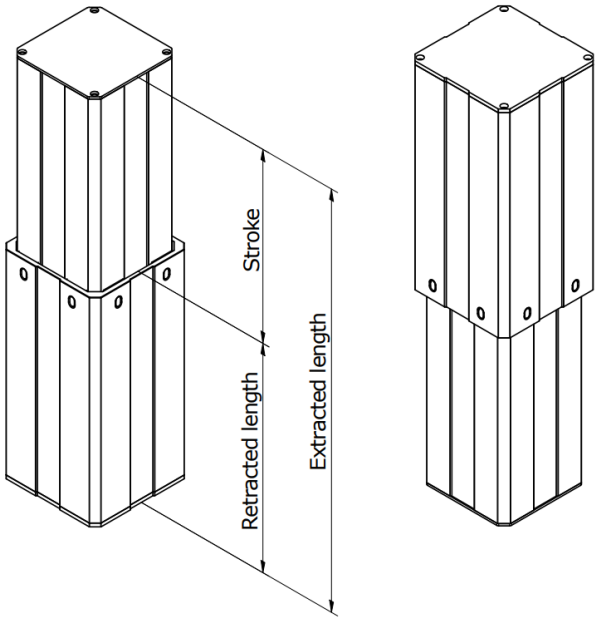
Stroke
Up to 1 500 mm, longer strokes on request

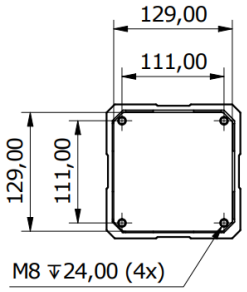
Retracted length
R = Stroke + 120 mm, R = Stroke + 60 mm

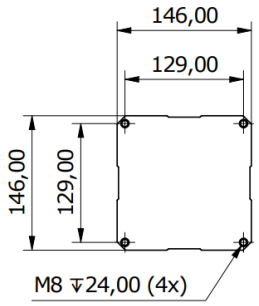
Duty cycle
Normal cycle: 20%, 2 min on / 8 min off

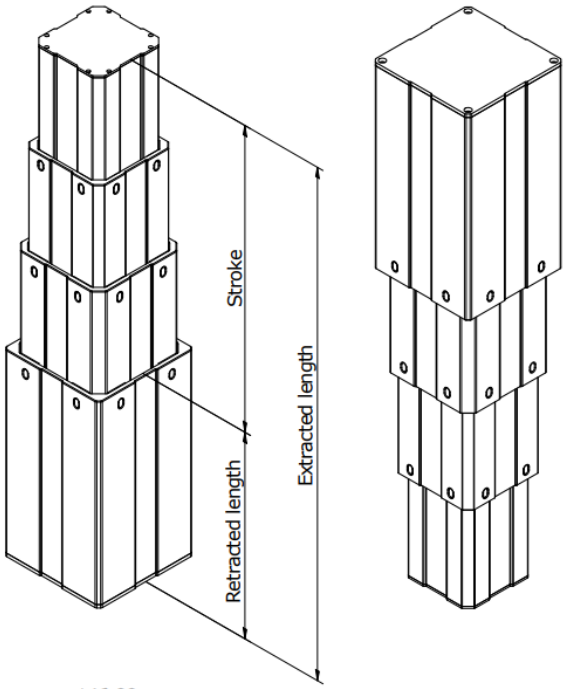
Current
8 A @ max load

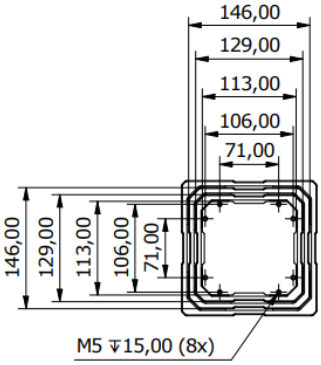
**See datasheet for more information*

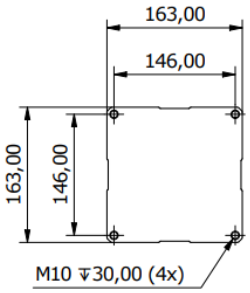












A14

Max Load
1.400 N push

Max offset load
850 N @ 1 m

Speed
Load: max 75 mm/s, no load: max 90 mm/s

Stroke
Up to 1.500 mm, longer strokes on request

Retracted length
R = Stroke/3 + 308 mm

Duty cycle
Normal cycle: 20%, 2 min on / 8 min off

Current
8 A @ max load

**See datasheet for more information*

A13

Max Load
12.000 N push

Max offset load
3.000 N @ 1 m

Speed
Load: max 250 mm/s, no load: max 275 mm/s

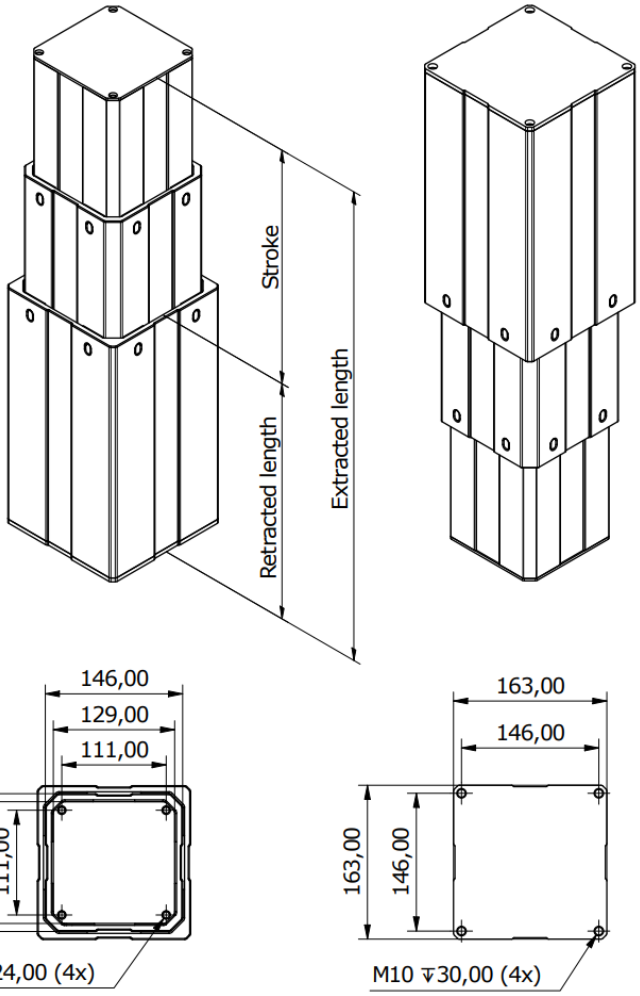
Stroke
Up to 3.000 mm, longer strokes on request

Retracted length
SA-models: R = Stroke + 60 mm
DA-models: R = Stroke/2 + 200 mm or
R = Stroke/2 + 250 mm

Duty cycle
Normal cycle: 20%, 2 min on / 8 min off

Current
8 A @ max load

**See datasheet for more information*



B-series

Features

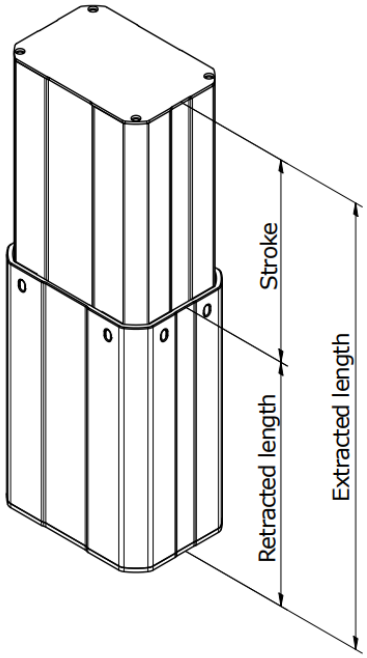
Very stable
Great offset load capacity
Long stroke

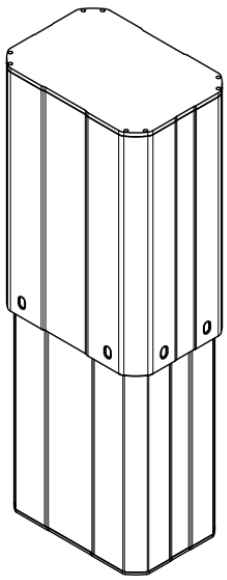
Options

Pull
Feedback
Customized

	B23	B13
Load Max push	12.000 N	12.000 N
Offset load max @ 1 m	2.500 Nm	2.500 Nm
Speed max with load	125 mm/s	250 mm/s
Stroke max	1.500 mm	3.000 mm
Dimensions	206 x 144 mm	219 x 157 mm

B23





Max Load
12.000 N push

Max offset load
2.500 N @ 1 m

Speed
Load: max 125 mm/s, no load: max 140 mm/s

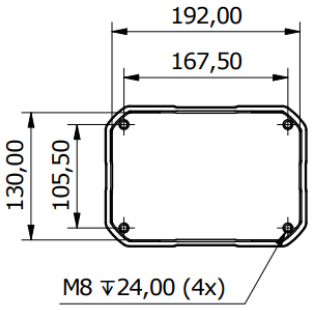
Stroke
Up to 1.500 mm, longer strokes on request

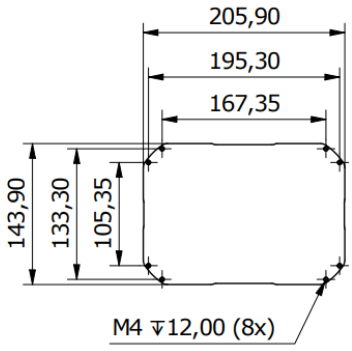
Retracted length
R = Stroke + 120 mm, R = Stroke + 60 mm

Duty cycle
Normal cycle: 20%, 2 min on / 8 min off

Current
8 A @ max load

**See datasheet for more information*





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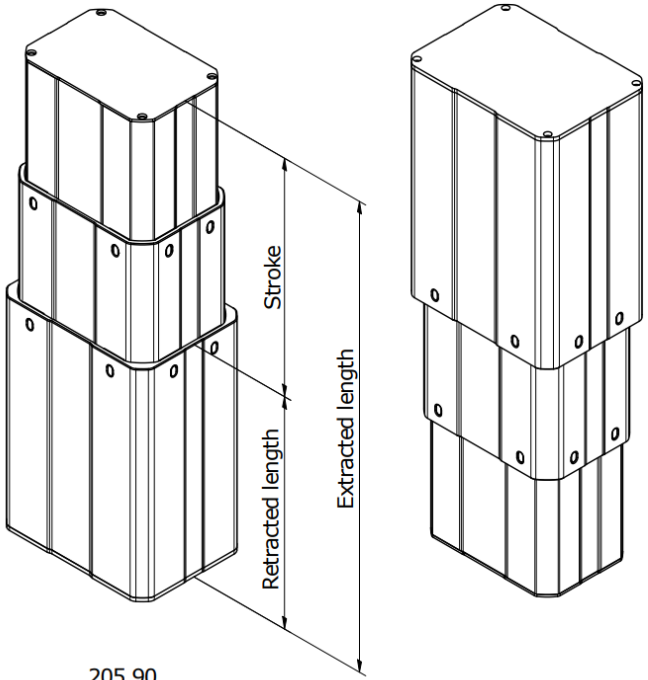
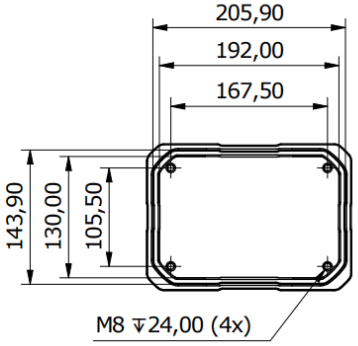
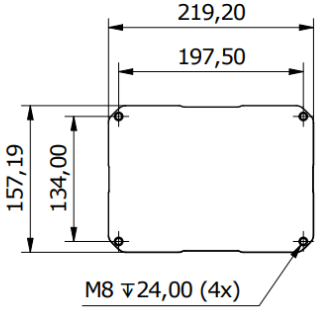






Max Load
12.000 N push

Max offset load
2.500 N @ 1 m

Speed
Load: max 250 mm/s, no load: max 275 mm/s

Stroke
Up to 3.000 mm, longer strokes on request

Retracted length
SB-models: R = Stroke + 60 mm
DB-models: R = Stroke/2 + 200 mm or
R = Stroke/2 + 250 mm

Duty cycle
Normal cycle: 20%, 2 min on / 8 min off

Current
8 A @ max load

**See datasheet for more information*

Features

Very stable
Small dimensions

Options

Feedback
Customized

E23

Max Load
2.500 N push

Max offset load
750 N @ 1 m

Speed
Load: max 25 mm/s, no load: max 36 mm/s

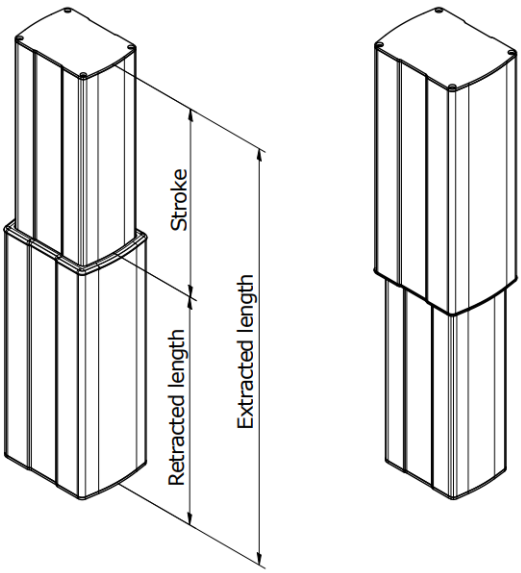
Stroke
Up to 700 mm, longer strokes on request

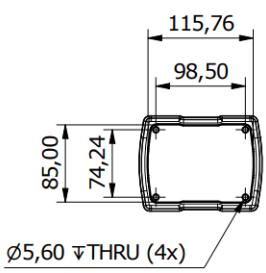
Retracted length
R = Stroke + 120 mm

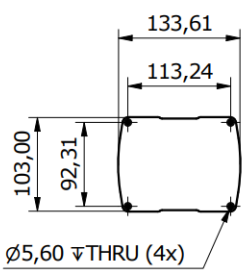
Duty cycle
Normal cycle: 10%, 1 min on / 9 min off

Current
7 A @ max load

**See datasheet for more information*







F-series

Features

Push
Asymmetric design
Very stable

Options

Pull
Feedback
Customized

	F23	F13
Load Max push	2.500 N	2.500 N
Offset load max @ 1 m	800 Nm	800 Nm
Speed max with load	26 mm/s	35 mm/s
Stroke max	700 mm	800 mm
Dimensions	154 x 83 mm	188 x 98 mm

F23

Max Load
2.500 N push

Max offset load
800 N @ 1 m

Speed
Load: max 26 mm/s, no load: max 35 mm/s

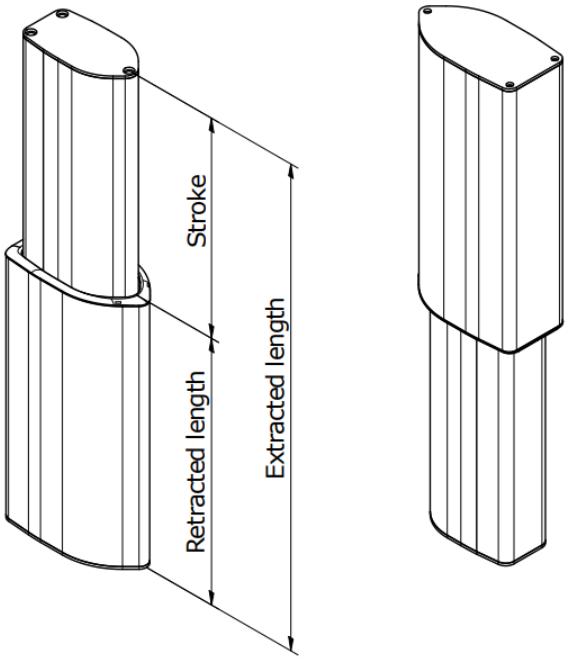
Stroke
Up to 700 mm, longer strokes on request

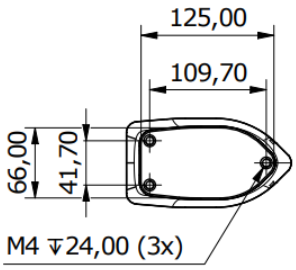
Retracted length
R = Stroke + 120 mm

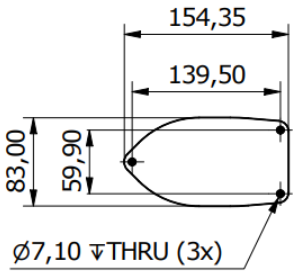
Duty cycle
Normal cycle: 10%, 1 min on / 9 min off

Current
6 A @ max load

**See datasheet for more information*







F13

Max Load
2.500 N push

Max offset load
800 N @ 1 m

Speed
Load: max 35 mm/s, no load: max 55 mm/s

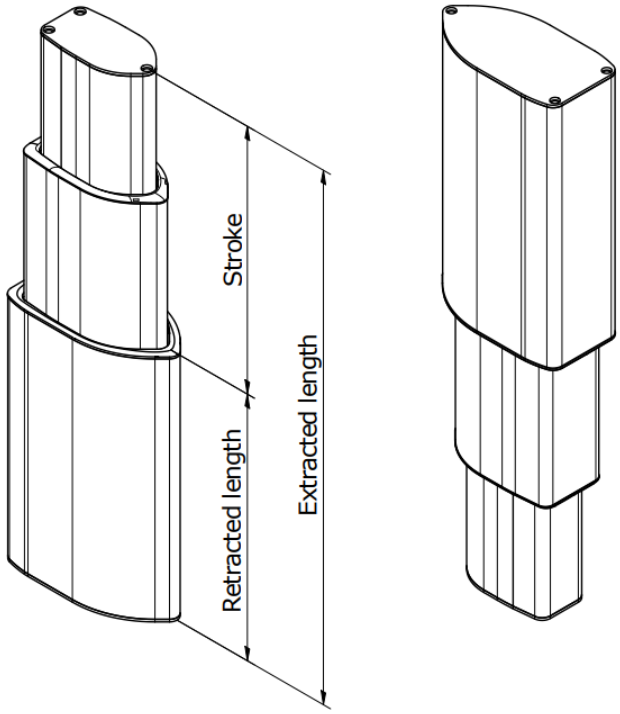
Stroke
Up to 800 mm, longer strokes on request

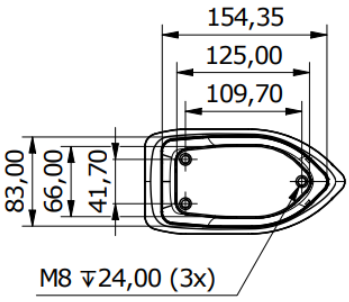
Retracted length
SF-models: R = Stroke + 120 mm
DF-models: R = Stroke/2 + 187 mm

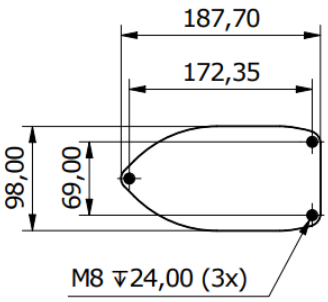
Duty cycle
Normal cycle: 10%, 1 min on / 9 min off

Current
6 A @ max load

**See datasheet for more information*







G-series

Features

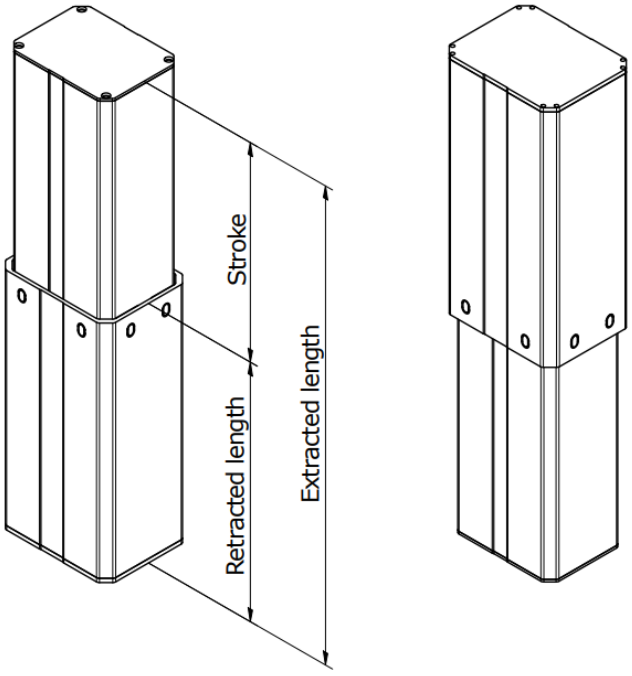
Very robust
Good offset load capacity
Small size

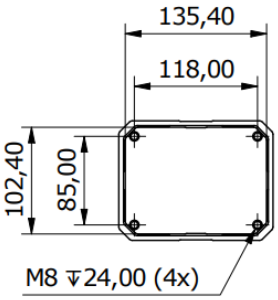
Options

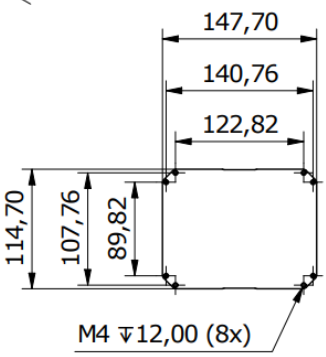
Feedback
Customized

	G23	G13
Load Max push	3.000 N	3.000 N
Offset load max @ 1 m	1.100 Nm	1.100 Nm
Speed max with load	26 mm/s	31 mm/s
Stroke max	700 mm	1 000 mm
Dimensions	148 x 115 mm	163 x 127 mm

G23







Max Load
3.000 N push

Max offset load
1.100 N @ 1 m

Speed
Load: max 26 mm/s, no load: max 35 mm/s

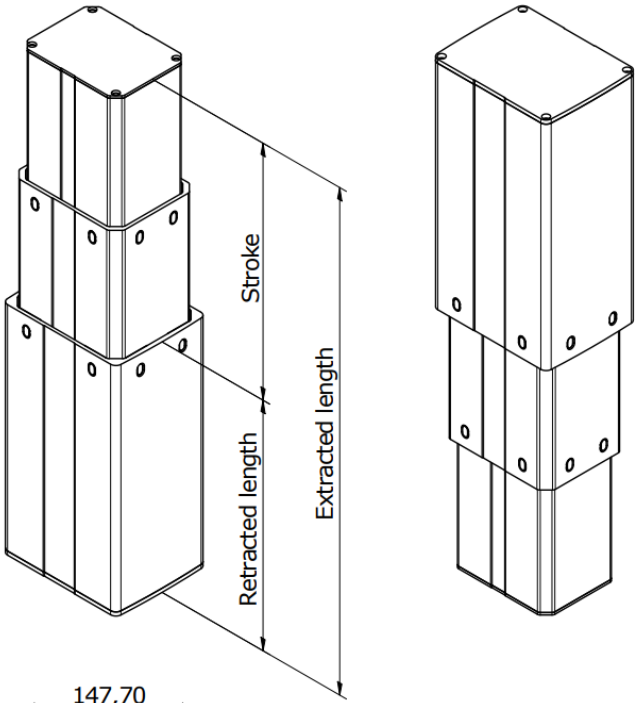
Stroke
Up to 700 mm, longer strokes on request

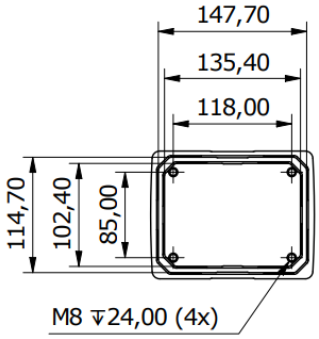
Retracted length
R = Stroke + 120mm

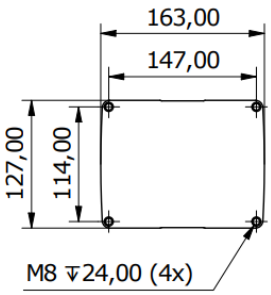
Duty cycle
Normal cycle: 10%, 1 min on / 9 min off

Current
6 A @ max load

**See datasheet for more information*







G13

Max Load
3.000 N push

Max offset load
1.100 N @ 1 m

Speed
Load: max 31 mm/s, no load: max 55 mm/s

Stroke
Up to 1.000 mm, longer strokes on request

Retracted length
SF-models: R = Stroke + 120 mm
DG-models: R = Stroke/2 + 175 mm

Duty cycle
Normal cycle: 10%, 1 min on / 9 min off

Current
6 A @ max load

**See datasheet for more information*

X-series

Features

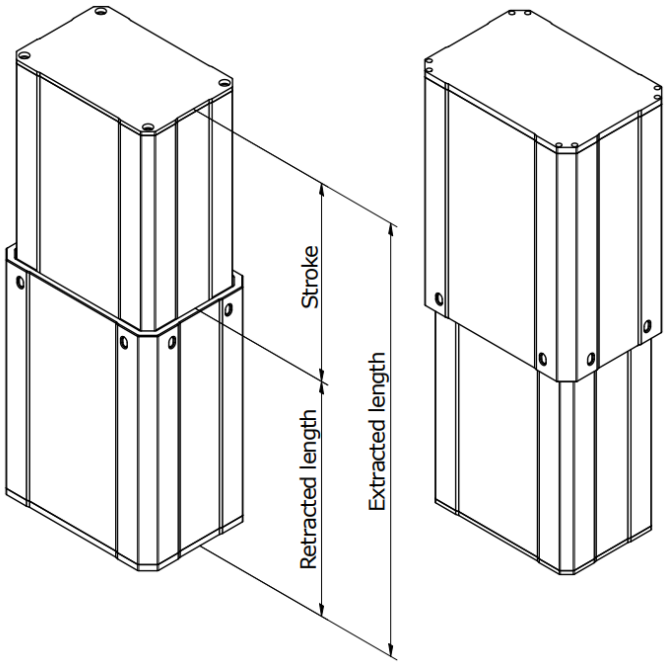
Extremely robust
Extreme offset load capacity
Long stroke

Options

Feedback
Customized

	X23	X13
Load Max push	12.000 N	12.000 N
Offset load max @ 1 m	6.000 Nm	6.000 Nm
Speed max with load	125 mm/s	250 mm/s
Stroke max	1.500 mm	3.000 mm
Dimensions	231 x 159 mm	260 x 180 mm

X23



Max Load
12.000 N push

Max offset load
6.000 N @ 1 m

Speed
Load: max 125 mm/s, no load: max 140 mm/s

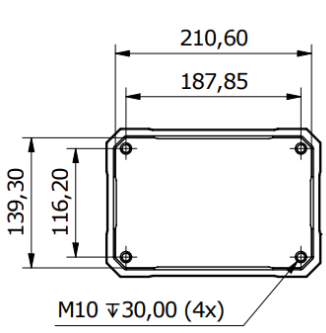
Stroke
Up to 1.500 mm, longer strokes on request

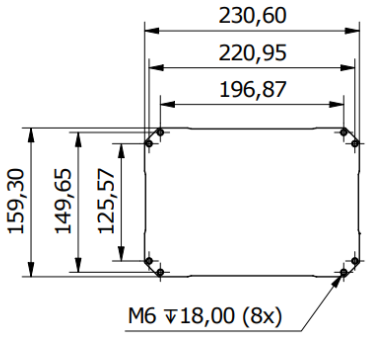
Retracted length
R = Stroke + 120 mm, R = Stroke + 60 mm

Duty cycle
Normal cycle: 20%, 2 min on / 8 min off

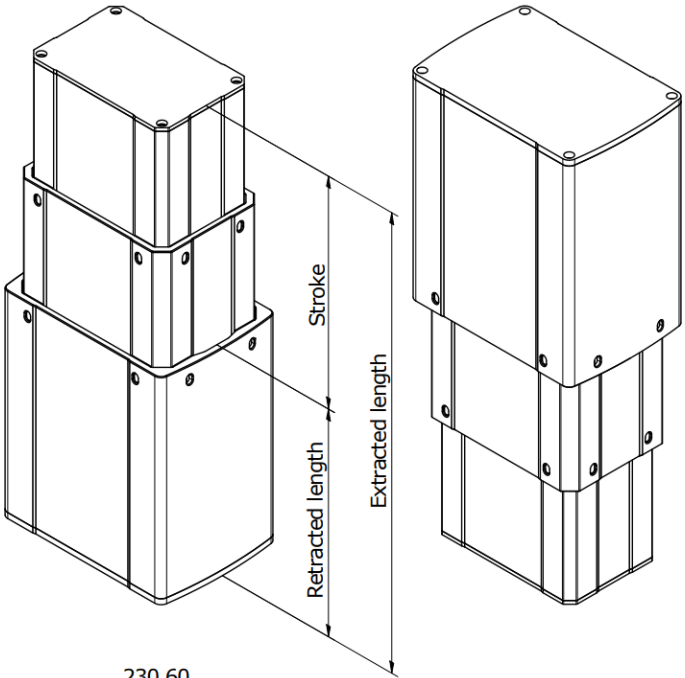
Current
8 A @ max load

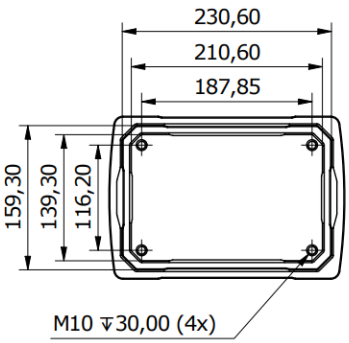
**See datasheet for more information*

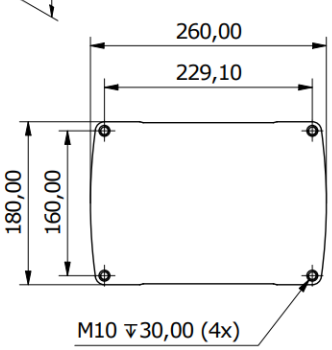




X13







Max Load
12.000 N push

Max offset load
6.000 N @ 1 m

Speed
Load: max 250 mm/s, no load: max 275 mm/s

Stroke
Up to 3.000 mm, longer strokes on request

Retracted length
SB-models: R = Stroke + 60 mm
DB-models: R = Stroke/2 + 200 mm or
R = Stroke/2 + 250 mm

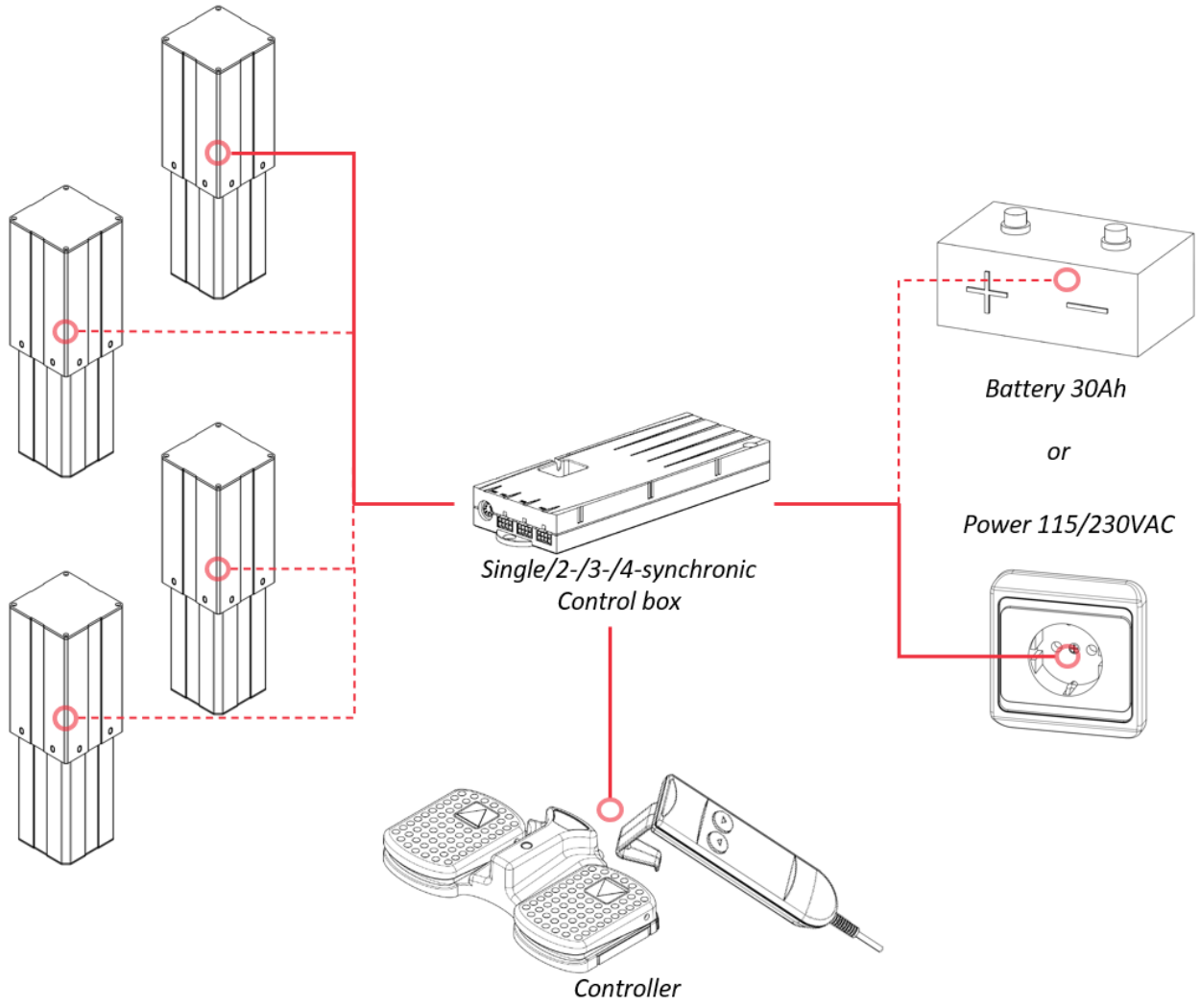
Duty cycle
Normal cycle: 20%, 2 min on / 8 min off

Current
8 A @ max load

**See datasheet for more information*

Accessories

We offer a broad range of accessories for our columns. The accessories can be combined in multiple ways to make the most suitable package for each application.

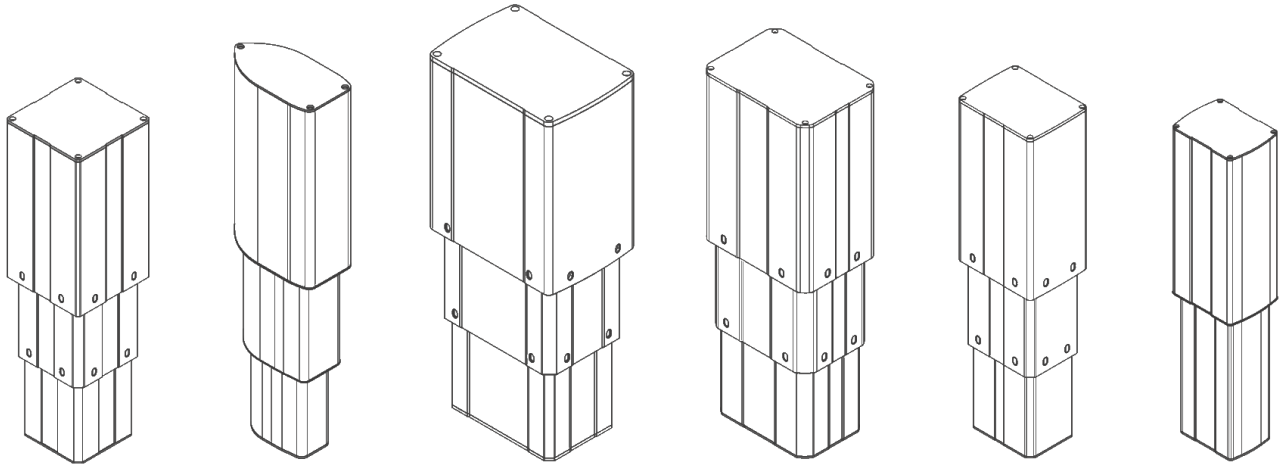


Accessories

- Control boxes
- Battery pack
- Controllers
- Cables
- Service kit

**For more information, see the Accessories catalogue here*

X2 Technology – The Customizer



About us

X2 Technology is a Phoenix Mecano brand marketed by Phoenix Mecano AB. X2 Technology manufactures top range lifting columns to the medical, ergonomic and industrial market. Our biggest strength lays in our exceptional experience of guided aluminum profiles. The experience enables us to develop and design innovative products in close cooperation with our customers to meet individual requirements. With our flexible manufacturing techniques, we can produce both small and big quantities of customized products.

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Made in Sweden

X2 TECHNOLOGY
A Phoenix Mecano Brand