



**X2 TECHNOLOGY**

A Phoenix Mecano Brand

# Product range catalogue

## Crank Columns





## **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 range of manual columns. If you cannot find any that fulfils your needs, we can make a customized solution for you. In fact, most of our supplied lifting columns are customized.

## Description

Our manual lifting columns are manually operated by a crank. The crank columns can be either 2- or 3-sectioned. 2 sections are suggested for normal applications, and 3 sections for applications that require a shorter retracted length. Manual crank columns consist of three major parts: the tubing system, one or two screws and a crank.



The more load the column needs to lift, the heavier it will be to rotate the crank. Torque stands for the rotational force needed to rotate the crank. The diagrams on the next page show how much force each screw needs to lift different loads.

## Options

Crank on top/bottom

Various crank handle sizes

Customizable length between crank and column

Outer tube on top/bottom

### 2 sections

#### Max lift [mm/turn]

44 mm/turn

#### Stroke

Up to 700 mm

#### Retracted length

$R = \text{Stroke} + 200 \text{ mm}$



### 3 sections

#### Max lift [mm/turn]

24 mm/turn

#### Stroke

Up to 1.000 mm

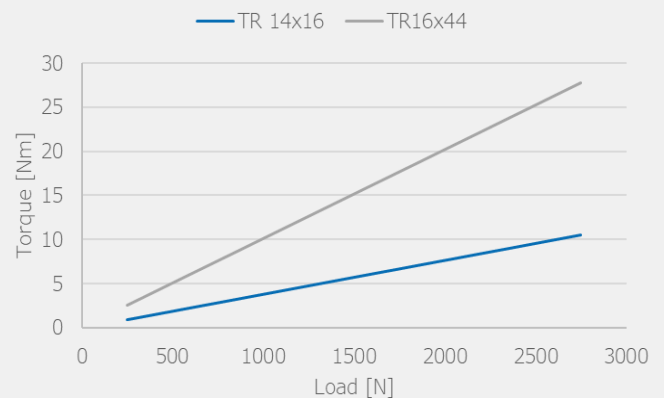
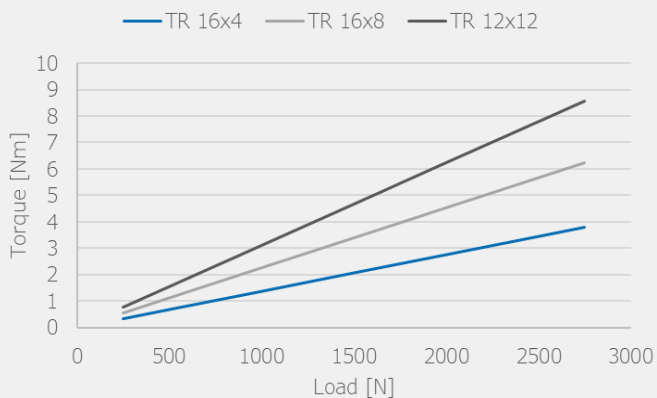
#### Retracted length

$R = \text{Stroke}/2 + 170 \text{ mm}$



## 2 section crank columns

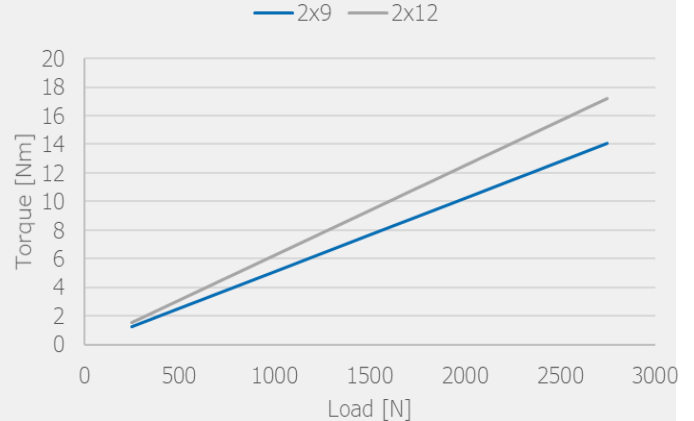
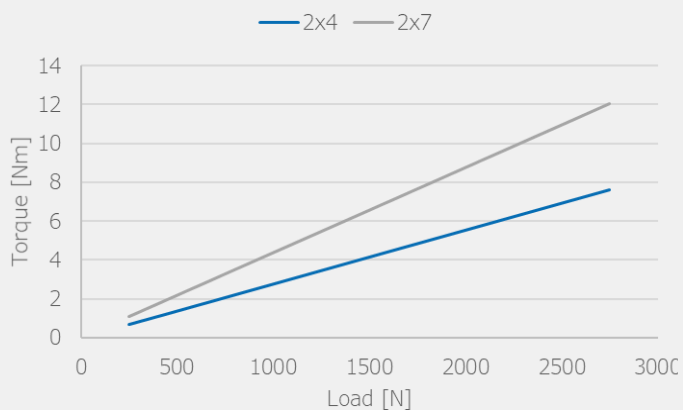
Screw type	TR 16x4	TR 16x8	TR 12x12	TR 14x16	TR 16x44
Lift [mm/turn]	4	8	12	16	44
Torque @ 100 kg [Nm]	1,38	2,27	3,12	3,84	10,1
Stroke, max	700 mm				
Retracted length	Retracted length = Stroke + 200 mm				



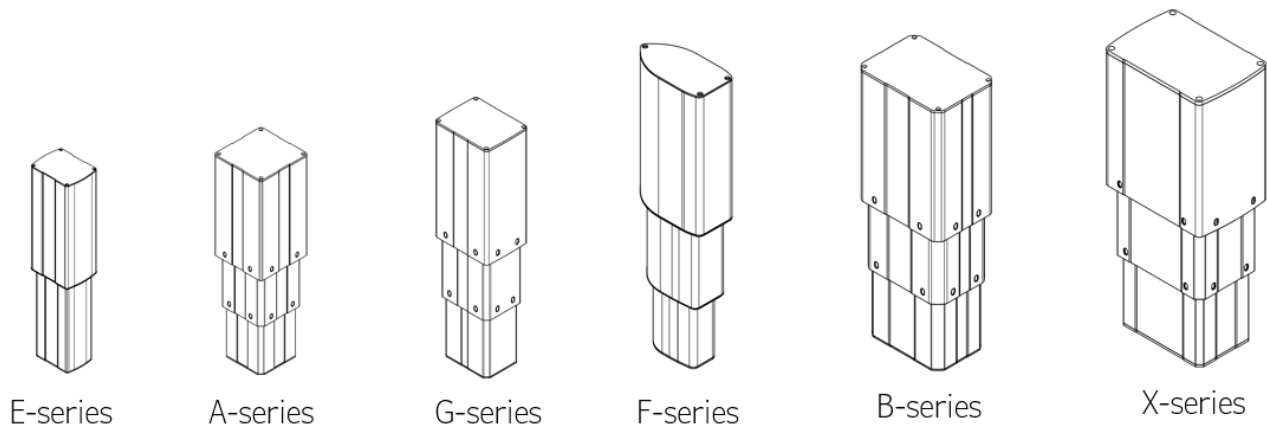
## 3 section crank columns

Screw type	2x4	2x7	2x9	2x12
Lift [mm/turn]	8	14	18	24
Torque @ 100 kg [Nm]	2,77	4,37	5,1	6,24
Stroke, max	1.000 mm			
Retracted length	Retracted length = Stroke/2 + minimum 170 mm			

Only available as A13, B13 or X13-columns

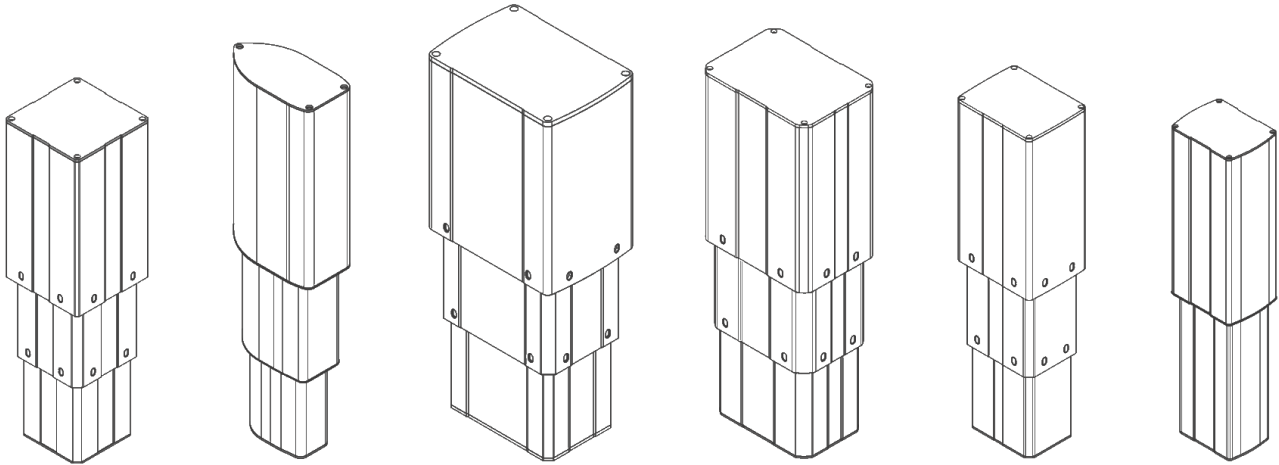


Our crank columns can be ordered with different shapes of the tubing systems. The 2-section crank columns are available with all series, and the 3-section crank column with tubes from A-series, B-series and X-series. All tubes are made of stiff aluminium tubes and treated for lowest possible friction. This enables us to mount them with very tight tolerances to achieve a maintenance free and smooth run without any play.



Dimensions	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	Tube 6
<b>A-series</b>	163x163 mm	146x146 mm	129x129 mm	113x113 mm	96x96 mm	83x83 mm
<b>B-series</b>	219,20x157,19 mm	205,90x143,90 mm	192,00x130,00 mm	x	x	x
<b>E-series</b>	133,61x103,00 mm	115,76x85,00 mm	x	x	x	x
<b>F-series</b>	187,7x98,00 mm	154,35x83,00 mm	125,00x66,00 mm	x	x	x
<b>G-series</b>	163,00x127,00 mm	147,70x114,70 mm	135,40x102,40 mm	x	x	x
<b>X-series</b>	260x180 mm	230,60x159,30 mm	210,60x139,30 mm	x	x	x

# 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.

*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. Copyright © X2 Technology 2022.01.*

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Made in Sweden



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