

BL1S0001DK-01
BL1P0002DK-01
BL1P0003DK-01
BL1P0004DK

BL1 Column Kit Data Sheet



BL1 Column Kit

The BL1 Column Kit is a smart choice for building industrial workstation bases. All the components are included and shipped in one single box: [BL1 lifting column\(s\)](#), control box ([CO71](#)), operating panel ([TP1](#)), and cables.

Choose a single lifting column or a parallel system with 2, 3 or 4 columns. The end plates ease the assembly. Download the BL1 Column Kit documentation and implement the 3D drawings in your design phase.

There are four different kits:

- BL1 Column Kit - Single (BL1S0001DK-01)
- BL1 Column Kit - 2-parallel (BL1P0002DK-01)
- BL1 Column Kit - 3-parallel (BL1P0003DK-01)
- BL1 Column Kit - 4-parallel (BL1P0004DK)



Lifting column specifications

- **Type** Three-stage electric lifting column
- **Max. load** 200 kg (push only)
- **Max. speed** 18 mm / sec with no load
- **Stroke length** 400 mm
- **Installation dimension** 372 mm (fully retracted incl. mounting plates)
- **Max. bending moment** 250 Nm dynamic / 500 Nm static
- **Weight** 10 kg
- **Material** Anodised aluminium
- **Colour** Grey with black end plates
- **Protection class** IPX6

Column kit usage

- **Operating panel** Up / down arrows (black IP66 housing with grey foil)
- **Mains voltage** 230 V
- **Duty cycle** Max. 10% \approx max. 2 minutes continuous use followed by 18 minutes pause
- **Operating temperature** 5 to 40 °C
- **Storage temperature** Max. +50 °C

Parts included

Type	Characteristics
Lifting column(s)	BL1 400 mm, 2,000 N
End plates	Top/bottom: Thickness 12+10 mm, black, screws included
Control box(es)	CO71, 230 V and bracket
Operating panel	With ~ 1.2 m cable and bracket
Mains cable(s)	EU plug, 3.2 m
Motor cable(s)	2.5 m
Signal cable	0.5 m
Modular junction box	MJB5, Analogue to OpenBus™
Blind plugs	For control box and MJB (waterproof)

FAQ

What is max. bending moment?

Max. bending moment is a way to express the resistance toward heavy off-centre loads without causing mechanical failure. The bending moment can be measured as either dynamic (during operation) or static (when stopped).

Where do I find system drawings, 3D models etc.?

We recognise the importance of having access to system drawings, which feature all the parts included in the kits, as well as to 3D models during the design phase. Therefore, you can locate these on the product page for BL1 column kits.

Will the speed increase if I reduce the load?

The short answer is "yes". The BL1 is a powerful lifting column, which means that it consumes a lot of energy - in particular when running with a full load. By monitoring the current consumption, the control box regulates the speed of the column to ensure smooth operation.

How many columns can you operate in parallel?

The kits are offered as a single system or 2-4 parallel. The parallel system will ensure that all columns operate simultaneously and stay aligned when moving.

What is duty cycle?

When building a machine or a workstation, it is important to consider how often the lifting column system is operated. The BL1 column kits are rated with a duty cycle of 10%. This means that after max. 2 minutes of continuous use, it is necessary to pause for 18 minutes. This limitation will ensure a long service life and optimal performance.

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