

LC3S0002DK-01
LC3P0004DK-01
LC3P0005DK-01
LC3P0006DK-01

LC3 Column Kit Data Sheet



LC3 Column Kit

The LC3 Column Kit is a handy solution for industrial workstation bases. All components delivered in one single box: [LC3 lifting column\(s\)](#), control box ([CO71](#)), operating panel ([TP1](#)), and cables.

When designing your industrial workstation, download the LC3 Column Kit documentation and implement the 3D drawings.

Build with a single lifting column or a parallel system with 2-4 columns. The mounting plates offer effortless installation.

Options available:

- LC3 Column Kit - Single (LC3S0002DK-01)
- LC3 Column Kit - 2-parallel (LC3P0004DK-01)
- LC3 Column Kit - 3-parallel (LC3P0005DK-01)
- LC3 Column Kit - 4-parallel (LC3P0006DK-01)



Lifting column specifications

- **Type** Three-stage electric lifting column
- **Max. load** 600 kg (push) or 400 kg (pull)
- **Max. speed** 18 mm / sec with no load
- **Stroke length** 700 mm
- **Installation dimension** 610 mm (fully retracted incl. mounting plates)
- **Max. bending moment** 1,400 Nm dynamic and 3,000 Nm static
- **Weight** 26 kg
- **Material** Anodised aluminium
- **Colour** Black mounting 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% ≈ max. 2 minutes continuous use followed by 18 minutes pause
- **Operating temperature** 5 to 40 °C
- **Storage temperature** -40 to +50 °C
- **Relative humidity** 20 to 80% - not condensing
- **Atmospheric pressure** 700 to 1060 hPa
- **Altitude** Max. 3,000 m

Parts included

| Type | Characteristics |
|----------------------|---|
| Lifting column(s) | LC3 700 mm, 6,000 N |
| Mounting plates | Top/bottom: Thickness 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 and snap ring(s) |
| 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 LC3 column kits.

Will the speed increase if I reduce the load?

The short answer is "yes". The LC3 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 LC3 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.

Contacts

FACTORIES

Denmark - Headquarters
 LINAK A/S
 Phone: +45 73 15 15 15
 Fax: +45 74 45 80 48
 Fax (Sales): +45 73 15 16 13
 Web: www.linak.com

China
 LINAK (Shenzhen) Actuator Systems, Ltd.
 Phone: +86 755 8610 6656
 Phone: +86 755 8610 6990
 Web: www.linak.cn

Slovakia
 LINAK Slovakia s.r.o.
 Phone: +421 51 7563 444
 Web: www.linak.sk

Thailand
 LINAK APAC Ltd.
 Phone: +66 33 265 400
 Web: www.linak.com

USA
 LINAK U.S. Inc.
 Americas Headquarters
 Phone: +1 502 253 5595
 Fax: +1 502 253 5596
 Web: www.linak-us.com
 www.linak-latinamerica.com

SUBSIDIARIES

Australia
 LINAK Australia Pty. Ltd
 Phone: +61 3 8796 9777
 Fax: +61 3 8796 9778
 E-mail: sales@linak.com.au
 Web: www.linak.com.au

Austria
 LINAK Zweigniederlassung - Österreich (Wien)
 Phone: +43 (1) 890 7446
 Fax: +43 (1) 890 744615
 E-mail: info@linak.de
 Web: www.linak.at - www.linak.hu

Belgium
 LINAK Actuator-Systems NV/SA
 (Belgium & Luxembourg)
 Phone: +32 (0)9 230 01 09
 E-mail: beinfo@linak.be
 Web: www.linak.be - www.fr.linak.be

Brazil
 LINAK Do Brasil Comércio De Atuadores Ltda.
 Phone: +55 (11) 2832 7070
 Fax: +55 (11) 2832 7060
 E-mail: info@linak.com.br
 Web: www.linak.com.br

Canada
 LINAK Canada Inc.
 Phone: +1 502 253 5595
 Fax: +1 416 255 7720
 E-mail: info@linak.ca
 Web: www.linak-us.com

Czech Republic
 LINAK C&S s.r.o.
 Phone: +42 058 174 1814
 Fax: +42 058 170 2452
 E-mail: info@linak.cz
 Web: www.linak.cz - www.linak.sk

Denmark - International
 LINAK International
 Phone: +45 73 15 15 15
 E-mail: info@linak.com
 Web: www.linak.com

Denmark - Sales
 LINAK Danmark A/S
 Phone: +45 86 80 36 11
 Fax: +45 86 82 90 51
 E-mail: linak@linak-silkeborg.dk
 Web: www.linak.dk

Finland
 LINAK OY
 Phone: +358 10 841 8700
 E-mail: linak@linak.fi
 Web: www.linak.fi

France
 LINAK France E.U.R.L.
 Phone: +33 (0) 2 41 36 34 34
 Fax: +33 (0) 2 41 36 35 00
 E-mail: linak@linak.fr
 Web: www.linak.fr

Germany
 LINAK GmbH
 Phone: +49 6043 9655 0
 Fax: +49 6043 9655 60
 E-mail: info@linak.de
 Web: www.linak.de

India
 LINAK A/S India Liaison Office
 Phone: +91 120 4531797
 Fax: +91 120 4786428
 E-mail: info@linak.in
 Web: www.linak.in

Ireland
 LINAK UK Limited (Ireland)
 Phone: +44 (0)121 544 2211
 Fax: +44 (0)121 544 2552
 +44 (0)796 855 1606 (UK Mobile)
 +35 387 634 6554 (Rep.of Ireland Mobile)
 E-mail: sales@linak.co.uk
 Web: www.linak.co.uk

Italy
 LINAK ITALIA S.r.l.
 Phone: +39 02 48 46 33 66
 Fax: +39 02 48 46 82 52
 E-mail: info@linak.it
 Web: www.linak.it

Japan
 LINAK K.K.
 Phone: 81-45-533-0802
 Fax: 81-45-533-0803
 E-mail: linak@linak.jp
 Web: www.linak.jp

Malaysia
 LINAK Actuators Sdn. Bhd.
 Phone: +60 4 210 6500
 Fax: +60 4 226 8901
 E-mail: info@linak-asia.com
 Web: www.linak.my

Netherlands
 LINAK Actuator-Systems B.V.
 Phone: +31 76 5 42 44 40 /
 +31 76 200 11 10
 E-mail: info@linak.nl
 Web: www.linak.nl

New Zealand
 LINAK New Zealand Ltd
 Phone: +64 9580 2071
 Fax: +64 9580 2072
 E-mail: nzsales@linak.com.au
 Web: www.linak.com.au

Norway
 LINAK Norge AS
 Phone: +47 32 82 90 90
 E-mail: info@linak.no
 Web: www.linak.no

Poland
 LINAK Polska
 LINAK Danmark A/S (Spółka Akcyjna)
 Phone: +48 22 295 09 70 /
 +48 22 295 09 71
 E-mail: info@linak.pl
 Web: www.linak.pl

Republic of Korea
 LINAK Korea Ltd.
 Phone: +82 2 6231 1515
 Fax: +82 2 6231 1516
 E-mail: info@linak.kr
 Web: www.linak.kr

Slovakia
 LINAK Slovakia S.R.O.
 Phone: +421 51 7563 444
 Web: www.linak.sk

Spain
 LINAK Actuadores, S.L.U
 Phone: +34 93 588 27 77
 Fax: +34 93 588 27 85
 E-mail: esma@linak.es
 Web: www.linak.es

Sweden
 LINAK Scandinavia AB
 Phone: +46 8 732 20 00
 Fax: +46 8 732 20 50
 E-mail: info@linak.se
 Web: www.linak.se

Switzerland
 LINAK AG
 Phone: +41 43 388 31 88
 E-mail: info@linak.ch
 Web: www.linak.ch - www.fr.linak.ch
 www.it.linak.ch

Taiwan
 LINAK (Shenzhen) Actuator systems Ltd.
 Taiwan Representative office
 Phone: +886 2 272 90068
 Fax: +886 2 272 90096
 E-mail: sales@linak.com.tw
 Web: www.linak.com.tw

Turkey
 LINAK İth. İhr. San. ve Tic. A.Ş.
 Phone: +90 312 4726338
 Fax: +90 312 4726635
 E-mail: info@linak.com.tr
 Web: www.linak.com.tr

United Kingdom
 LINAK UK Limited
 Phone: +44 (0)121 544 2211
 Fax: +44 (0)121 544 2552
 E-mail: sales@linak.co.uk
 Web: www.linak.co.uk

DISTRIBUTORS

Argentina
 Novotec Argentina SRL
 Phone: 011-4303-8989 / 8900
 Fax: 011-4032-0184
 E-mail: info@novotecargentina.com
 Web: www.novotecargentina.com

Colombia
 MEM Ltda
 Phone: +[57] (1) 334-7666
 Fax: +[57] (1) 282-1684
 E-mail: servicioalcliente@memltda.com.co
 Web: www.mem.net.co

India
 Mechatronics Control Equipments India Pvt Ltd
 Phone: +91-44-28558484, 85
 E-mail: bala@mechatronicscontrol.com
 Web: www.mechatronicscontrol.com

Indonesia
 PT. Himalaya Everest Jaya
 Phone: +6 221 544 8956 /+6 221 544 8965
 Fax: +6 221 619 1925
 Fax (Sales): +6 221 619 4658
 E-mail: hejplastic-div@centrin.net.id
 Web: www.hej.co.id

Israel
 NetivTech LTD
 Phone: +972 55-2266-535
 Fax: +972 2-9900-560
 Email: info@NetivTech.com
 Web: www.netivtech.com

Singapore
 Servo Dynamics Pte Ltd
 Phone: +65 6844 0288
 Fax: +65 6844 0070
 E-mail: servodynamics@servo.com.sg

South Africa
 Industrial Specialised Applications CC
 Phone: +27 011 466 0346
 E-mail: gartht@isagroup.co.za
 Web: www.isaza.co.za

United Arab Emirates
 Mechatronics
 Phone: +971 4 267 4311
 Fax: +971 4 267 4312
 E-mail: mechtron@emirates.net.ae

Terms of use

LINAK® takes great care in providing accurate and up-to-date information on its products. However, the user is responsible for determining the suitability of LINAK products for a specific application. Due to continual development, LINAK products are subject to frequent modifications and changes. LINAK reserves the rights to conduct modifications, updates, and changes without any prior notice. For the same reason, LINAK cannot guarantee the correctness and actual status of imprinted information on its products.

LINAK uses its best efforts to fulfil orders. However, for the reasons mentioned above, LINAK cannot guarantee availability of any particular product at any given time. LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or in other written material created and produced by LINAK, LINAK subsidiaries, or LINAK affiliates. All sales are subject to the 'Standard Terms of Sale and Delivery for LINAK A/S' available on LINAK websites. LINAK and the LINAK logotype are registered trademarks of LINAK A/S. All rights reserved.



WE IMPROVE YOUR LIFE