

# OFFICE SYSTEMS



A DewertOkin Technology Brand



Innovative solutions  
for drive & system technology

[www.dewertokin.com](http://www.dewertokin.com)

# OKIN lifting columns – high power, excellent comfort

### Ergonomics

Ergonomics is one of today's watch-words, with employers increasingly opting for health-conscious equipment and furnishings in their offices. Height-adjustable desks are one example – they relieve the neck and back while promoting the circulation and increasing employee productivity. OKIN DD and ID series lifting columns are ideal drive solutions to meet the highest expectations on functionality and design.

Thanks to their high lifting capacity and standards-conformant stroke all OKIN lifting columns are powerful and highly flexible as well. This in combination with their compact installation dimensions offers versatile applications. Accurate manufacturing tolerances maximise stability while ensuring quiet, smooth and easy desktop adjustment.

### Elegant design

All lifting columns are ideal for building comfortable office desk systems. They come in a modern design with minimal gaps between individual profiles, whereas the 400-series provides an extraordinary elegance by avoiding visible surface embossings. OKIN lifting columns for height-adjustable office desks pass strict internal load and endurance tests, and are certified according to DIN EN 527 and BIFMA X5.5.

### Smart components

All drive systems are compatible with DB02, DB03, NB02 and MB02 control units, which can be configured according to different desk requirements and include the smart system protection.

We also supply a wide range of intuitive handsets for height-adjustable desks ranging from minimalist designs to high-end controls with a wide array of features. Components matching lifting column design such as table legs and frames are also available to ensure optimum stability.

# Product overview

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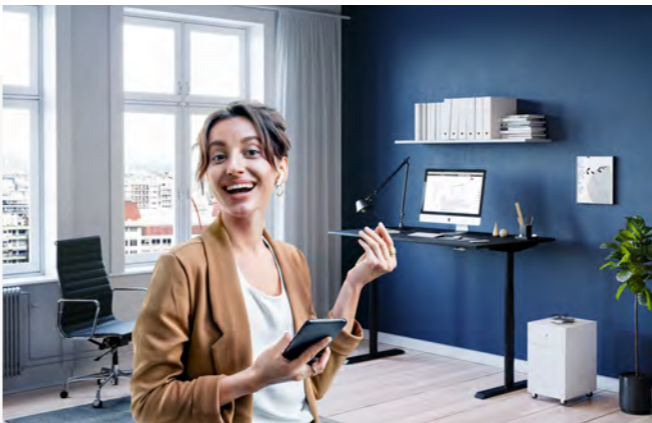
# Business solutions

**Smart, high-quality technology for every case**  
Drive technology and system solutions from OKIN allow a smooth and reliable adjustment in a wide range of different applications. OKIN relies on close cooperation with customers – starting right from the development phase. The best system configuration for each application can be created in this way.



**Office furniture**  
Most employees in offices sit at their desks for at least eight hours a day. This has resulted in an increasing number of health problems among office workers. That is why ergonomic furniture like modern, height-adjustable desks have become more and more important.

Depending on the requirements, OKIN offers height adjustable single-, two- and three-leg desks as well as space-saving benching systems.



**Home office**  
Since height-adjustable desk systems have become very popular during the home office boom, the requirements of companies and employees for office equipment are growing. Nowadays, furniture for the home office has to be versatile, ergonomic, space-saving and highly functional. Height-adjustable two-leg tables by OKIN fulfill these requirements and support the health and productivity of employees.



**Gaming**  
After a stressful day at work – whether at the workplace, in the office or at home – enjoyment should not be neglected. OKIN offers fit and proper products to prevent back and neck pain after sitting at a desk for a long time while playing video games. The height-adjustable gaming desks are not only comfortably adjustable and functional, but also visually appealing and complete the gaming setup with additional extras.



**Conference room**  
Whether height-adjustable conference tables or flipchart and monitor lifters, OKIN offers various convenient desk and system solutions to make your everyday work easier.

# Lifting columns

Sturdy and comfortable: OKIN electric lifting columns are equipped with low-play sliding guides which ensure a smooth and comfortable height adjustment. Special drive gears ensure consistent whisper-quiet operations while the minimal air gap between the individual profiles underline the elegant design of the electric lifting columns.

Motors and protection class

All Lifting Columns come with:

24V DC motors, maintenance-free  
Protection class IP20

Colors

Black  
RAL 9005




Silver Grey  
RAL 9006

White  
RAL 9016




	DD451.2	DD451.3
Stroke length	500 mm	650 mm
Installation dimensions	650 mm	560 mm
Speed of movement (max., unloaded)	35 mm/s	35 mm/s
Column profile (max.)	50 mm x 80 mm	50 mm x 80 mm
Column	Two-section telescopic column in steel, no visible surface embossings	Three-section telescopic column in steel, no visible surface embossings
Lifting capacity (max., per column)	800 N	800 N

	DD452.3
Stroke length	650 mm
Installation dimensions	560 mm
Speed of movement (max., unloaded)	35 mm/s
Column profile (max.)	50 x 80 mm, upside down
Column	Three-section telescopic column in steel, no visible surface embossings
Lifting capacity (max., per column)	800 N



	DD471.2	DD471.3	DD472.3
			
Stroke length	500 mm	650 mm	650 mm
Installation dimensions	650 mm	560 mm	560 mm
Speed of movement (max., unloaded)	35 mm/s	35 mm/s	35 mm/s
Column profile (max.)	70 mm x 70 mm	70 mm x 70 mm	70 x 70 mm, upside down
Column	Two-section telescopic column in steel, no visible surface embossings	Three-section telescopic column in steel, no visible surface embossings	Three-section telescopic column in steel, no visible surface embossings
Lifting capacity (max., per column)	800 N	800 N	800 N

	DD441.2	DD441.3	ID461.3
			
Stroke length	500 mm	650 mm	650 mm
Installation dimensions	650 mm	560 mm	520 mm
Speed of movement (max., unloaded)	35 mm/s	35 mm/s	35 mm/s
Column profile (max.)	round, d=70 mm	round, d=70 mm	60 mm x 80 mm
Column	Two-section telescopic column in steel, no visible surface embossings	Three-section telescopic column in steel, no visible surface embossings	Three-section telescopic column in steel, no visible surface embossings
Lifting capacity (max., per column)	800 N	800 N	800 N

# Control units and handsets

The DB02, DB03, NB02 and MB02 are the economical control unit solutions for height-adjustable desks. The control units are equipped with the intelligent collision protection and allow – depending on the handset used – the programming of various stop positions. The combination with the visually attractive DH handset series offers perfectly matched systems for height-adjustable desks that meet all requirements.



NB02

**Collision detection**

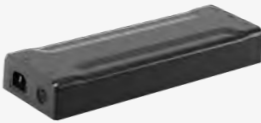
- Plug detection
- Soft start and stop
- Cost-effective system for 4 drives (cascading)

## Control Units

DB02



DB03



Control unit	Microprocessor control unit	Microprocessor control unit
Rated output power	240 W	280 W
Standby	0.1 W	0.1 W
Power supply	SMPS, internal	SMPS, external
Drive connections	2	3
Handsets	1	1
Collision detection	Yes (Gyro sensor optional)	Yes (Gyro sensor optional)

NB02



MB02



AB02



Control Unit	Microprocessor control unit	Microprocessor control unit	Microprocessor control unit
Rated output power	240 W	240 W	240 W
Standby	0.05 W	0.1 W	0.1 W
Power Supply	SMPS, internal; rechargeable battery (optional)	SMPS, external; rechargeable battery (optional)	SMPS, external
Drive connections	2	2	2
Handsets	1	1	Display, Keys integrated
Collision detection	Yes (Gyro sensor standard)	Yes	Yes

## Handsets

DH01.01



DH01.02



DH01.03



DH01.15



DH01.16



DH01.18



DH02.01



DH02.03



DH02.04



# Desk systems

- Content**
- Lifting columns
  - Control units
  - Handset
  - Desk frame
  - Table feet
  - Screws, small parts

**Colors**

Black  
RAL 9005

Silver Grey  
RAL 9006

White  
RAL 9016



- Benching system**
- Improved cable management
  - Clear design
  - Increased stability

## DS1.471.3 Single-leg table

Adjustment speed	35 mm (1.38") / sec.
Adjustment load	Max. 800 N / 180 lbs pressure
Height (min. & max.)	Min.: 600 mm / 23.62" Max.: 1250 mm / 49.21"
Length (min. & max.)	Min.: 800 mm / 43.31" Max.: 800 mm / 70.87"



## DS2.441.3 Two-leg table

Adjustment speed	35 mm (1.38") / sec.
Adjustment load	Max. 1200 N / 270 lbs pressure
Height (min. & max.)	Min.: 600 mm / 23.62" Max.: 1250 mm / 49.21"
Length (min. & max.)	Min.: 1100 mm / 43.31" Max.: 1800 mm / 70.87"



## DS3.451.3 Three-leg table

Adjustment speed	35 mm (1.38") / sec.
Adjustment load	Max. 1500 N / 338 lbs pressure
Height (min. & max.)	Min.: 600 mm / 23.62" Max.: 1250 mm / 49.21"
Length (min. & max.)	A: Min.: 1100 mm / 43.31" Max.: 1800 mm / 70.87" B: Min.: 1280 mm / 50.39" Max.: 1800 mm / 70.87"





DS2.451.2G  
Two-leg gaming table

Adjustment speed	25 mm (0.99") / sec.
Adjustment load	Max. 800 N / 180 lbs pressure
Height (min. & max.)	Min.: 690 mm / 27.17" Max.: 1190 mm / 46.85"
Length (min. & max.)	Min.: 1100 mm / 43.31" Max.: 1800 mm / 70.87"



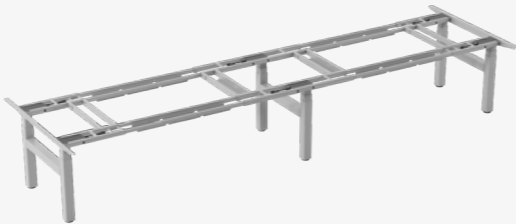
DS4.471.3  
Benching system

Adjustment speed	35 mm (1.38") / sec.
Adjustment load	Max. 1200 N / 270 lbs pressure
Height (min. & max.)	Min.: 600 mm / 23.62" Max.: 1250 mm / 49.21"
Length (min. & max.)	Min.: 1100 mm / 43.31" Max.: 1800 mm / 70.87"



DS6.471.3  
Conference table

Adjustment speed	35 mm (1.38") / sec.
Adjustment load	Max. 2x 1500 N / 3x 338 lbs pressure
Height (min. & max.)	Min.: 600 mm / 23.62" Max.: 1250 mm / 49.21"
Length (min. & max.)	Min.: 2800 mm / 110.27" Max.: 4000 mm / 157.48"



DS2.451.3R  
Two-leg table/Rapid Mount

Adjustment speed	35 mm (1.38") / sec.
Adjustment load	Max. 1200 N / 270 lbs pressure
Height (min. & max.)	Min.: 600 mm / 23.62" Max.: 1250 mm / 49.21"
Length (min. & max.)	Min.: 1100 mm / 43.31" Max.: 1800 mm / 70.87"



# DewertOkin Technology Group Co., Ltd.



A DewertOkin Technology Brand

DewertOkin GmbH is an internationally recognized manufacturer of drive, system and mechanism technology.

Our company is part of the DewertOkin Technology Group headquartered in JiaXing Zhejiang, China. We maintain the brands OKIN and Dewert for the linear drives. They are widely used in smart furniture (such as motion upholstery, massage chairs, theatre seating, recliners and adjustable beds), medical applications (such as medical and nursing beds) and adjustable office desk control systems. We are a main partner for several major furniture factories. Our goal is to provide complete smart furniture solutions worldwide.



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