

**EWELLIX**

A Schaeffler Company

# Solutions for infant care equipment



# The heritage of innovation

Ewellix is a global innovator and manufacturer of linear motion and actuation solutions. Our state-of-the-art linear solutions are designed to increase machine performance, maximise uptime, reduce maintenance, improve safety and save energy. We engineer solutions for assembly automation, medical equipment, mobile machinery, distribution and a wide range of other industrial applications.

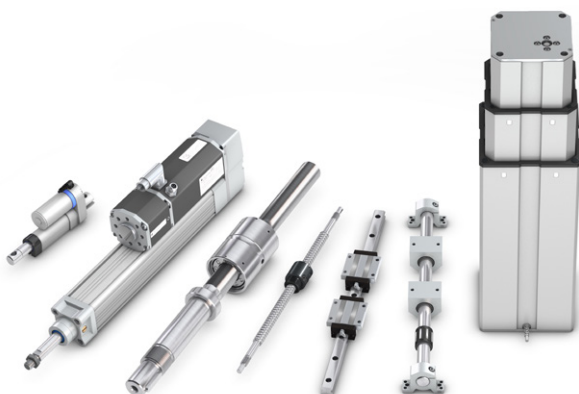
## Technology leadership

We earned our reputation through decades of engineering excellence. Our journey began over 50 years ago as part of the SKF Group, a leading global technology provider. Our history provided us with the expertise to continuously develop new technologies and use them to create cutting edge products that offer our customers a competitive advantage.

In 2019, we became independent and changed our name to Ewellix. We are proud of our heritage. This gives us a unique foundation on which to build an agile business with engineering excellence and innovation as our core strengths.

## Global presence and local support

With our global presence, we are uniquely positioned to deliver standard components and custom-engineered solutions, with full technical and applications support around the world. Our skilled engineers provide total life-cycle support, helping to optimise the design, operation and maintenance of equipment thus improving productivity and reliability while reducing costs. At Ewellix, we don't just provide products; we engineer integrated solutions that help customers realise their ambitions.



## Schaeffler Group – We pioneer motion

Ewellix is since 2023 owned by the Schaeffler Group.

As a leading global supplier to the automotive and industrial sectors, the Schaeffler Group has been driving forward groundbreaking inventions and developments in the fields of motion and mobility for over 75 years.

With innovative technologies, products, and services for electric mobility, CO<sub>2</sub>-efficient drives, Industry 4.0, digitalization, and renewable energies, the company is a reliable partner for making motion and mobility more efficient, intelligent, and sustainable.

Schaeffler manufactures high-precision components and systems for powertrain and chassis applications as well as rolling and plain bearing solutions for a large number of industrial applications.

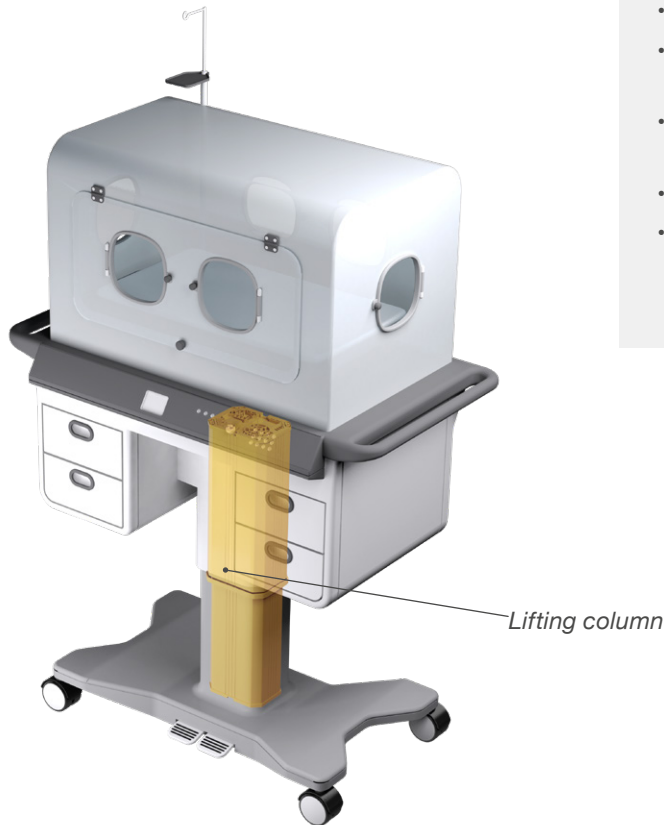


# Infant incubators

Today’s neonatal equipment manufacturers face a tough mix of performance and cost pressures. Demand is rising for incubators that can deliver nearly silent, vibration-free motion, greater accessibility for caregivers, and increased functionality.

Ewellix supports your product development with a complete platform offering, speeding up your time to market. Our lifting columns combining smooth, silent lifting, low retracted height and a wide degree of design flexibility.

The Ewellix lifting columns for incubator are a complete, IEC 60601-1 compliant, solution designed to help OEMs develop incubators optimized for performance and cost.



## Ewellix solutions

### Features

- Low retracted height and optimized stroke length
- Minimal noise level and virtually vibration-free
- Soft start/stop and smooth motion
- Flexible plug and play platform offer
- Smart selected accessories available
- Versatile power supply options
- Optional cable-trough capabilities
- IEC-60601-1 compliant

### Benefits

- High comfort and safety for baby
- No disturbing noise or vibration during operation
- Improved ergonomics and accessibility for caregiver and parents
- Easy to clean design to ensure a hygienic environment
- Greater design flexibility and standardized features
- Decrease time to market due to a tested and approved platform offer

### Lifting columns



THG



CPMB



TFG

### Control boxes



BCU

### Operating switches



STL/STF



STK



STE

# Infant radiant warmers

The Ewellix lifting column for infant radiant warmer give designers the ability to mix and match several performance features to tailor the product perfectly to the application needs providing high safety and comfort for baby and better ergonomics and accessibility for neonatal caregivers and parents.

For example, the series CPMB combines optimized stroke length and low retracted height, silent lifting, drop-in design flexibility and earthing continuity in a compact, two-section unit. A built-in universal power supply, cable through for mains with earth, switches, and variable tube and motor placement capabilities enable several column configurations.

With series CPMB columns, there is no need to compromise on aesthetics, noise and vibration reductions, or hygiene concerns.



## Ewellix solutions

### Features

- Low retracted height and optimized stroke length
- Minimal noise level and virtually vibration-free
- Soft start/stop and smooth motion
- Flexible plug and play platform offer
- Smart selected accessories available
- Versatile power supply options
- Optional cable-trough capabilities
- IEC-60601-1 compliant

### Benefits

- High comfort and safety for baby
- No disturbing noise or vibration during operation
- Improved ergonomics and accessibility for caregiver and parents
- Easy to clean design to ensure a hygienic environment
- Greater design flexibility and standardized features
- Decrease time to market due to a tested and approved platform offer

### Lifting columns



THG



CPMB



TFG

### Control boxes



BCU

### Operating switches



STL/STF



STK



STE

# All you need for your incubators or warmers lift

## Lifting column – series CPMB

### Outlet socket box



Electrical connection to column (mains power, ground, switch, RJ45)



Mechanical fastening to column inner or outer tube plate by 4 x M6 screws



Mounting plate with 4 holes to assemble incubator to column top



3 Outlet sockets for instrument or equipment (max 8 A)



2 Replaceable fuses 8 A



One connector for operating device and second connector RJ45 available



Operating device with 2-color LED for power and feedback status



# Products overview

## Lifting columns



	THG10-BA	CPMB	TFG
Rated push load	2000 N	2000 N	2500 N
Speed	5 to 7 mm/s	11 to 15 mm/s	15 to 19 mm/s
Power supply	24 VDC	24 VDC / 100–240 VAC	24 VDC / 120 VAC / 230 VAC
Retracted length	Stroke + 270mm	Stroke + 160 mm	Stroke + 130 mm
Bending load	Up to 250 Nm	Up to 250 Nm	Up to 500 Nm
Stiffness	++	++	+++

## Control boxes



	BCU
Motor ports	3
Output volatge (nominal)	24 VDC
Total output current (max)	7A
Operating device ports	1
Single fault safety	✓
Soft Start/Stop	✓

## Operating switches



	STL	STJ	STK	STE
Max. operating channels	1	5	1	5
Operating power	5 VDC / 20 mA	12 VDC / 50 mA	5 VDC / 20 mA	12 VDC / 50 mA
Indicator	no	no	2 colors LED for power and feedback status	single color LED for power status
Plug	RJ45	HD15	RJ45	HD15

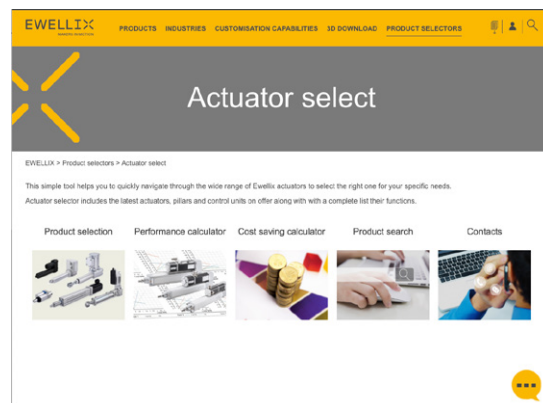
# Supporting tool

## Digital

Ewellix has developed a portfolio of tool to support customers in easy selection and calculation the right Ewellix product for their application.

### Actuators

- Product selection
- Performance calculator
- Cost saving calculator



## Publications

Supporting documents are available for downloading on ewellix.com in each product page under technical data section:

- operating manual
- mounting instruction

### Actuator range



### Lifting column – THG



### Control units



### Lifting column CPMA/CPMB



### Operating switches



### Lifting column – TFG





## **ewellix.com**

© Ewellix

All contents of this publication are the property of Ewellix, and may not be reproduced or given to third parties (even extracts) without permission. Although great care has been taken in the production of this catalog, Ewellix does not take any responsibility for damage or other loss resulting from omissions or typographical errors. The photo may differ slightly in appearance from the actual product. Due to continuous improvements being made in our products, the product's appearance and specifications are subject to change without notice.

**PUB NUM EL-03011-3-EN-February 2023**

Certain image(s) used under license from Shutterstock.com.

Schaeffler and the Schaeffler logo are trademarks of the Schaeffler Group.