

**EWELLIX**

MAKERS IN MOTION

# Telescopic pillar for infant care

Maximizing accessibility for caregivers while minimizing the risks of noise and vibration



# Heritage of innovation for technology leadership

Ewellix is a global innovator and manufacturer of linear motion and actuation solutions. Today, our state-of-the-art linear solutions are designed to increase machine performance, maximise uptime, reduce maintenance, improve safety and save energy.

## Technology leadership

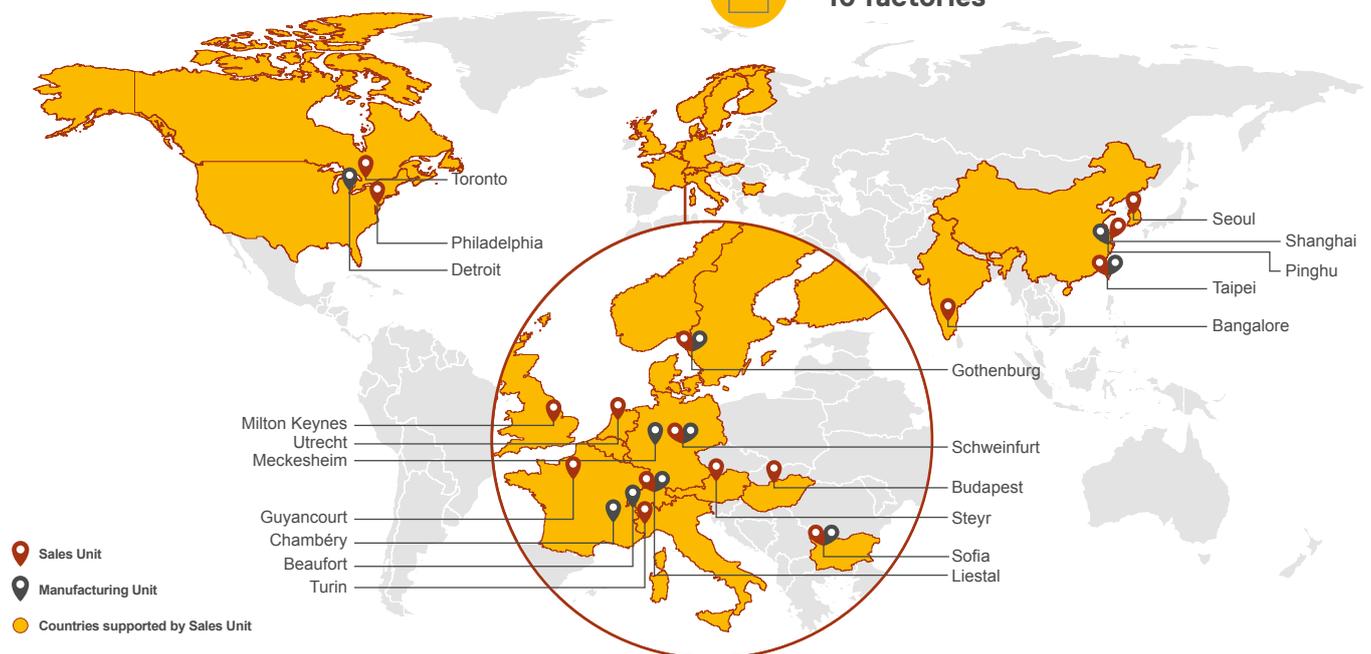
Our journey began **over 50 years** ago as part of the SKF Group, and our history with SKF provided us with the **expertise to continuously develop new technologies** and use them to create cutting edge products that offer our customers a competitive advantage.

In 2019, we became independent from SKF 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. Long standing relationships with our distributor partners allow us to support customers in a variety of different industries. At Ewellix, we don't just provide products; **we engineer integrated solutions** that help customers realise their ambitions.

-  **1 200 employees**
-  **16 sales units**
-  **10 factories**



# Telescopic pillar for infant care

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.

But with rapid growth in emerging markets driving production into best-cost countries, finding suppliers that can meet performance demands and regulatory requirements reliably can be difficult. The Ewellix Telescopic pillar for infant care – series CPMB can make it much easier.

Combining smooth, silent lifting, short retracted length and a wide degree of design flexibility, the Ewellix Telescopic pillar for infant care is a complete, IEC 60601-1 compliant solution designed to help OEMs develop incubators optimized for performance and cost.



## Benefits

- Greater design flexibility and standardized features
- Plug-and-play design helps reduce inventory
- Soft start/stop until the limits and smooth operation
- Better accessibility for neonatal caregivers
- Minimal noise and virtually vibration-free for minimal effects on infants
- High standards: RoHS, REACH and IEC 60601-1:2005 (3rd edition) compliant
- Virtually maintenance-free
- Worldwide service and support



## High design flexibility for improved functionality

The Ewellix Telescopic pillars for infant care - series CPMB are compact, two-section units that give designers the ability to mix and match several performance features.

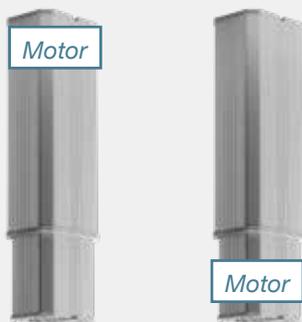
For example, CPMB pillars allow variable placement of the motor and the inner and outer tubes, enabling designs that minimize noise and vibration levels, thereby improving the infant care environment. The pillars also offer an optimized stroke length and a short retracted length, allowing greater accessibility for neonatal caregivers.

Able to handle loads of up to 2 000 N, series CPMB pillars provide robust, stable positioning when not in motion. A built-in universal power supply, attachment backward compatibility, cable through-socket capability with grounding continuity on profiles, and low standby power requirements further expand product design and differentiation possibilities. With series CPMB pillars, there is no need to compromise on aesthetics, noise and vibration reductions, or hygiene concerns.

### More flexibility with series CPMB design options

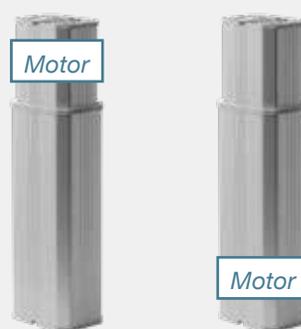
#### Built-in with outer tube on top

*More hygienic and easy-to-clean design*



#### Built-in with outer tube on bottom

*More aesthetic design*



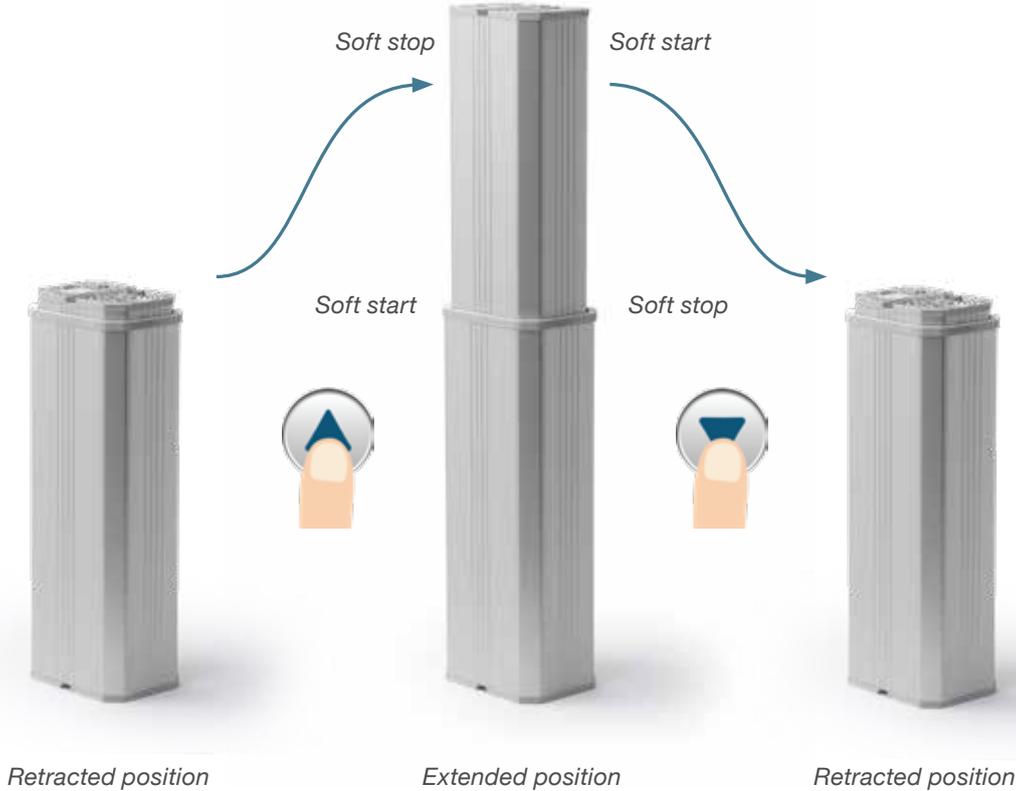
- Select the position of the motor, top or bottom, far from the larger plate in the application to minimize vibration and noise
- The operating device can be placed on top, bottom or both

# Low design costs, fast delivery, reduced time to market

The Ewellix Telescopic pillar for infant care – series CPMB combines 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 pillar configurations.

These plug-and-play pillars can help OEMs reduce design and development cycles and costs. IEC 60601-1:2005 (3rd edition) compliant. CPMB pillars are available in short delivery times from three different Ewellix manufacturing facilities worldwide. The result? Faster, more cost-effective product design and delivery, regardless of your market location.

## Unique soft start/stop feature until the end of the pillar travel



Unlike competitors pillar designs, CPMA telescopic pillars from Ewellix offer soft starts/stops throughout the entire stroke regardless of load or direction.

## Technical feature highlights

- Short retracted length: stroke + 160 mm
- Stroke length from 230 to 400 mm
- Soft start/stop during the complete stroke
- Load-rated up to 2 000 N
- Offset load: up to 250 Nm in dynamic, 500 Nm in static
- Universal power supply (100-240 V AC , 50/60 Hz) enables plug-and-play functionality and eliminates pre-selection errors
- The motor can be situated to meet application requirements
- Power in by connectors on both side
- Power in and out is standard on top and bottom – no need to pre-select
- RJ45 connector for operating device, second one in option
- Plugged in accessories IEC Inlet socket with strain relief
- Low noise level (45 dB(A))
- Low standby power helps saving energy consumption
- Earthing continuity through the pillar eliminates need for extra cable
- High standards: RoHS, REACH and IEC 60601-1:2005 (3rd edition) compliant
- Ingress protection: IPx4s in option

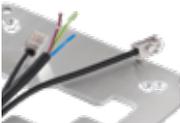
*CPMB pillars feature a built-in universal power supply unit that is compatible with nearly all voltage and frequency worldwide.*



# All you need for your incubator or warmer lift

Telescopic pillar – series CPMB

## Outlet socket box



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



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



Mounting plate with 4 holes to assemble incubator to pillar 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





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**PUB EL-03002-EN-November 2019**

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