

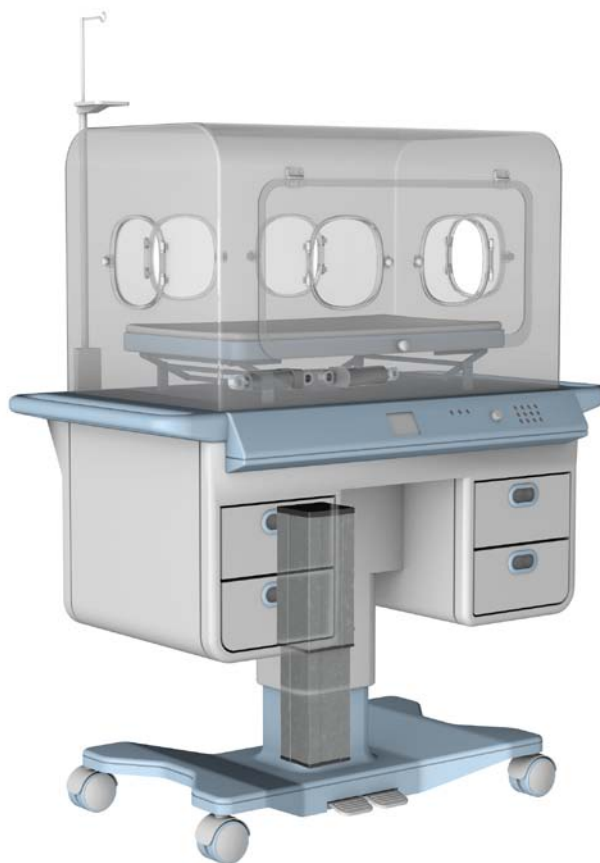
# Telescopic pillar for infant care

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

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

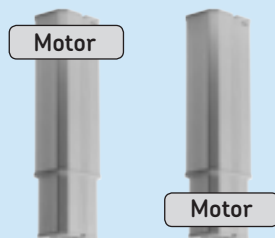
For example, CPMB pillars allow variable placement of the motor and the inner and outer tubes, enabling designs that minimize noise and vibration levels, thereby improving the infant care environment. The pillars also offer an optimized stroke length and a short retracted length, allowing greater accessibility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

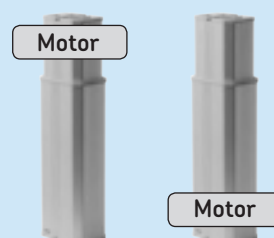
#### Built-in with outer tube on top

- More hygienic and easy-to-clean design



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

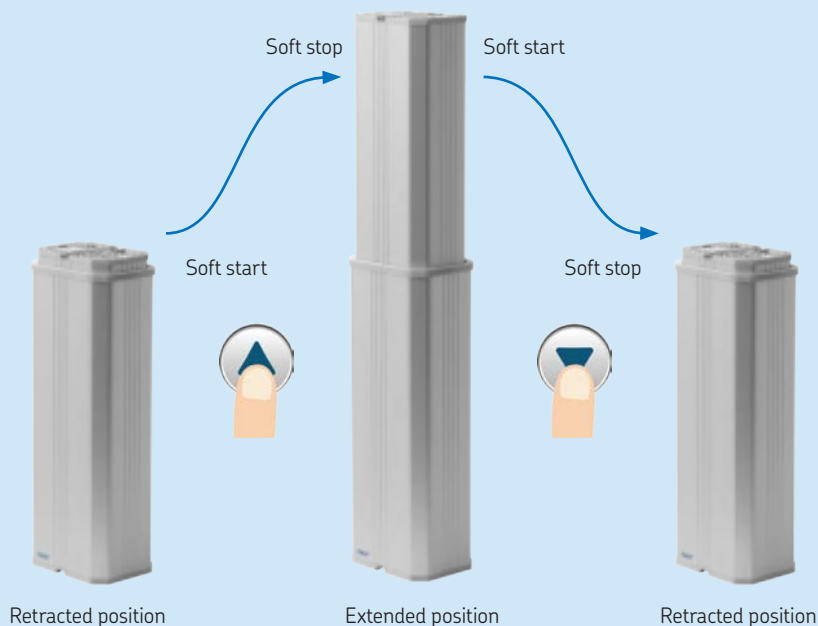
- More aesthetic design



- 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



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



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

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

The SKF 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.

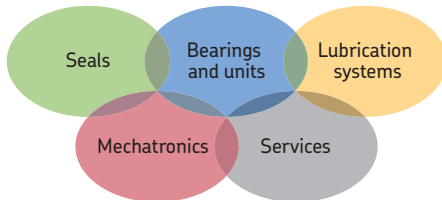
These plug-and-play pillars can help OEMs reduce design and development cycles and costs. IEC 60601-1:2005 (3rd edition) compliant. CPMB pillars are available in short delivery times from three different SKF manufacturing facilities worldwide. The result? Faster, more cost-effective product design and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

#### 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.



### The Power of Knowledge Engineering

Drawing on five areas of competence and application-specific expertise amassed over more than 100 years, SKF brings innovative solutions to OEMs and production facilities in every major industry world-wide. These five competence areas include bearings and units, seals, lubrication systems, mechatronics (combining mechanics and electronics into intelligent systems), and a wide range of services, from 3-D computer modelling to advanced condition monitoring and reliability and asset management systems. A global presence provides SKF customers uniform quality standards and worldwide product availability.

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