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SKF Telescopic pillars provide a universal plug & play solution for ophthalmic equipment & infant care

SKF Telescopic pillars (series CPMA and CPMB) provide a complete, optimised lifting solution for a range of medical equipment including ophthalmic chairs, ophthalmic tables and incubators.

"The pillar solution meets the performance demands and regulatory requirements of the medical industry and offers a complete IEC/UL compliant solution," confirms SKF Mechatronics Product Manager for Southern Africa, John Storm. "Our Telescopic pillars provide higher flexibility for integration into OEMs design, making it easier for medical equipment manufacturers to meet the rising demand for ophthalmic equipment and incubators that deliver very accurate, ergonomic motion and increased functionality. Furthermore, the pillars enhance medical and healthcare OEMs' competitive advantage by providing better value for money."

The CPMA/CPMB series offers a number of features: The units can be used anywhere in the world thanks to the unique built-in universal power supply with a detachable cord which is compatible with nearly any voltage, frequency and plug type. In addition, accessories like socket boxes can be plugged in to get multiple outlet, inlet and operating device socket. The low standby power, below 1W, minimizes energy consumption. The cable-through for mains power with grounding, for operating devices or for LAN, expands product design and differentiation possibilities.

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A soft start/stop motion allows silent lifting while a short retracted length and increased stroke length improves accessibility. The reduction of noise and vibration provide greater comfort for both patients and operators. The units also offer great load-carrying capacity up to 2000N direct driving load and up to 250 Nm in eccentric driving load.

The compact, two-sectioned units mix and match several performance features, such as allowing variable placement of the motor and inner and outer tubes. The end user is given the choice of selecting the position of the outer tube, the motor, the connector, and the power-in. In addition, accessories like socket boxes can be plugged in to get multiple outlet, inlet and operating device socket. "These multiple choices," concludes Storm, "offer the end user a tailor-made solution to improve both operator accessibility and patient comfort."

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SKF is a leading global supplier of bearings, seals, mechatronics, lubrication systems, and services which include technical support, maintenance and reliability services, engineering consulting and training. SKF is represented in more than 130 countries and has around 15,000 distributor locations worldwide. Annual sales in 2013 were SEK 63,597 million and the number of employees was 48,401. www.skf.com

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