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The MAXILIFT range can work safely with 370° of rotation
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WORLDLIFT INDUSTRIES AS

The perfect combination

DENKA LIFT AND FALCK SCHMIDT

WORLDLIFT INDUSTRIES AS is the result of the merger of Denka Lift A/S and E. Falck Schmidt A/S. Both companies have always been known for their high quality products. Together they are the perfect combination.

DENKA TRAILERS
Working height from 12 to 30m. The new DLX15 is the only trailer mounted lift with jib-arm, thus combining the best of articulating and telescoping principles.

FALCON SPIDER/NARROW
Compact track or wheeled lifts developed for indoor and outdoor use. Down to 0.79m wide you can access everywhere. Working height from 19 to 55m.

FALCK SCHMIDT SERIES
Truck mounted, total weight 3500kg with working heights up to 21m, as well as highly sophisticated utility platforms mounted on truck or van.

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Quality

Innovation

Reliability

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Over bearing

C&a

innovations

A new premium grade, X-life FAG E1 spherical roller thrust bearings from Schaeffler claim to offer significant improvements in static and dynamic load ratings as well as sizeable increases in limiting speeds and fatigue limiting load.

The technical benefits are either a doubling of life expectancy under the same loads or similar operating life under significantly higher loads. The bearings are suitable for high speed applications due to lower friction levels and the improved guidance and vibration characteristics due to very high running accuracy.

Reduced wear is due to lubricant film formation with the lubricant lasting longer because of the lower bearing temperatures.

Performance improvements were made possible by modifying and improving the bearing contact geometry and bearing kinematics. This included adding longer rollers with larger diameters resulting in the higher load ratings.

Schaeffler's axial spherical roller bearings are ideal for applications in which very high axial loads are present and where shaft deflections or misalignments of bearing seats must be compensated.



The new X-life axial spherical roller bearings claim significantly longer life expectancy.

Friction-hold joysticks

New from Penny + Giles is a single axis friction-hold version of its JC6000 multi-axis joystick. The key feature of the new joystick is that the lever does not return to centre when it is released.

It is designed for use in applications where the joystick is used to control the speed and forward/reverse direction of the machine. The operator can set the speed of movement and then focus on the steering of the vehicle. Available with one or two axis configurations, it can be supplied with non-contact Hall effect sensors or long-life potentiometer tracks. It is sealed (above the panel) to IP66. Dual outputs are fitted as standard, allowing the signals to be monitored and compared for failure detection in safety critical applications and additional independent switch functions can be specified for directional and center position indication - vital for vehicle system start-up safety.



The new Penny + Giles single axis friction-hold version of its JC6000 joystick.

New lightweight cable

Nexans has extended its Buflex range of polyurethane sheathed reeling energy cables with the addition of the X'Prem, designed to boost the performance and durability of cranes operating at high speeds of up to 150 metres per minute.

The company claims to have increased cable longevity substantially compared with conventional reeling cables.

Its new design uses a thinner and lighter weight polyurethane sheath enabling it to offer similar performance to standard rubber sheathed reeling cables, but within a smaller overall diameter and enhanced abrasion resistance. This enables crane operators and OEMs to utilise smaller

motorised reels to achieve equal or superior productivity, possibly even with lower powered motors.

Buflex X'Prem is available in both a low-voltage yellow version, for applications up to 1kV and a medium-voltage, red or black, version for applications from 6kV to 20 kV in ports and terminals. In addition,

copper twisted pair cables or optical fibres can be integrated within the cable to combine advanced control solutions with the crane power supply.

Developed at its dedicated Handling Cables

Application Centre in Lyon, France, Buflex X'Prem was subjected to a variety of tests under severe operating conditions such as rapid acceleration and high tensile loads.

The company claims it exceeded 10 times the number of test cycles with no significant deformation, compared with standard cables.

Buflex X'Prem is available in both a low-voltage yellow version for applications up to 1kV and a medium-voltage, red or black, version for applications from 6kV to 20 kV.

enquiries

To contact any of these companies simply visit the 'Industry Links' section of www.vertikal.net, where you will find direct links to the companies' web sites for up to five weeks after publication.

New Deep-Cycle Gel batteries

Trojan Battery Company has launched a new Deep-Cycle Gel line of sealed lead acid batteries which it hopes will expand its market share in the aerial work platform market.

Available in the UK and Ireland through Energy Batteries, the new batteries are completely maintenance free and require no topping-up or checking of water levels while providing long-lasting runtime and battery life. Trojan says that its proprietary Gel formulation prevents stratification and allowing them to cycle longer and deeper than AGM (Absorbed Glass Mat - an alternative maintenance free battery) technology. The battery range includes the following sizes: 24-Gel, 27-Gel, 31-Gel, and 6V-Gel, the size that is designed to replace the normal 6 volt scissor lift battery.

The Deep-Cycle Gel batteries offer exceptional durability and are certified non-spillable to UN2800 for air, sea or ground transportation, thus making it an optimal solution for use in health & safety-sensitive environments such as schools, hospitals, airports and office buildings.

To have your company's new product or service displayed in the 'Innovations' section of C&A, please send in all information along with images to either; Innovations, Cranes & Access, PO Box 6998, Brackley, NN13 5WY, or alternatively by e-mail to: info@vertikal.net with 'Innovations' typed in the subject box.