

Perfect adjustment

Knott-Avonride, the UK subsidiary of German trailer component manufacturer Knott, has developed a new self-adjusting, auto-reverse braking system for trailers fitted with inertia brakes. When the towing vehicle applies the brakes the new system is triggered to provide the optimal braking adjustment for a smooth braking movement. The automatic adjuster also compensates for worn brake linings to prevent a jerky and overrun braking action. The system is also said to ensure a consistent wear of the brake shoe lining which eliminates the need to manually adjust the clearance between the brake lining and the brake drum.



Knott's self-adjusting system eliminates jerky and unbalance braking.

When the vehicle is reversing the expander lock opens and the self adjustment device disengages, avoiding common reversing issues associated with poorly adjusted brakes such as damaged couplings and linkages due to trailer shunting.

The system is easy to install and simply replaces the original brake and adjustment device inside the wheel drum. It is also available as a retrofit for the company's 200x50 brake kit.

A hard hat



Tractel's latest addition to its safety equipment range

Tractel UK has introduced the TR2000 hard hat to its range of height safety equipment. The hard hat, manufactured in Switzerland and tested in Germany, has been developed to solve the issue of the visors standard hard hats that restrict the vision of users looking up.

Made with moulded ABS fibre the lightweight hard hat is designed for general industry use but is also well

suited for electrical installation. It has a fully adjustable, four point chin strap, ratchet adjustment as well as a replaceable sweatband and is said to provide excellent ventilation. Additional features include an integrated clear or tinted visor, mounted ear or in ear defenders and head torch mounting clips. The TR2000 is currently available in three different colours, red, blue and white.

Compact electric drive motor



Bonfiglioli's new electrical traction solution.

Bologna based gear motor and drive system manufacturer Bonfiglioli has designed a new compact three phase electric motor driven wheel hub for aerial work platforms with working heights ranging from five to 27 metres. The two or three stage hub has an integrated mechanical clutch, which offers a reduction ratio of up to 1:95, and is coupled to a low voltage BT series three phase AC motor designed specifically by Bonfiglioli for traction applications, with voltages from 16 to 53 volts.

The combined drive unit features an integrated temperature and speed monitoring system and electronically controlled brake. It is said to be very easy to install and can even be engineered as a

replacement for existing hydraulic drive units. The product is aimed at those manufacturers looking to benefit from the longer battery life and lower noise levels that direct electric drive systems offer.

Spooling a reel

Conductix-Wapfler has designed a quick attach/detach double hose reel for mobile cranes that use hydraulic luffing jibs. Fitted to the base boom section, the spring-drive reel is used to supply hydraulic lines to the luffing jib.

Specific to the crane size as well as its application, reels can offer up to 70 metres of spool length which, the company claims, is currently the largest spring-drive reel available on the market.

Should the hose tear or come free the safety slings prevent the spring action from causing uncontrolled rotation of the reel. The system has also been pre-tensioned and is ready for immediate use. The reels can also be used for wire data



Conductix-Wapfler's double hose reel attached to a Tadano Faun ATF90G-4 All Terrain crane.

transmission, measuring the length of the lifting equipment or used to supply power to the crane's boom for lighting etc.... When not in use the reel can be easily removed and stored in designated rack on the crane.

enquiries

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