

Hose clamping made safe

THE LATEST ERIKS' TECHNICAL AND SAFETY BULLETIN CONTAINS ESSENTIAL GUIDELINES ON THE MOST EFFECTIVE METHODS OF HOSE CLAMPING, RANGING FROM BASIC JUBILEE AND WORM DRIVE CLIPS AND BOLT CLAMPS, TO LMC CLAMPS AND CRIMPED AND SWAGED FITTINGS.

This new bulletin explains how to select the most appropriate clamping solution for different applications, to ensure a safe and efficient method of connecting hoses to operating equipment.

To download a copy of the bulletin please go to:
www.eriks.co.uk/Industrial-Hose/317



Dormer Tools stand the heat

An innovative new range of tools has been launched by Dormer, specifically for machining Heat Resistant Super Alloys (HRSA).

The Elect S drill range is ideal for use with high temperature resistant alloys such as Titanium, Inconel and Waspalloy, which can otherwise be difficult to machine. This is partly due to the fact that they generate high cutting forces during machining, leading to excessive pressure and heat, which in turn tends to result in work hardening. Also, because they are able to withstand high temperatures, the heat generated during drilling is retained within the workpiece and transferred to the tool, and can result in premature drill failure.

The new Elect S drills overcome these problems by incorporating internal coolant openings, plus a body back taper that promotes a free, continuous cutting action,

giving high quality, accurate holes. A self-centring 140° point angle, cylindrical margin and positive cutting edge geometry also help to minimise frictional cutting forces, leading to consistent tool performance and minimal work hardening. Similarly, a Smooth-Flow coating acts as a thermal barrier, protecting the substrate from the extreme heat generated at the cutting edge. This also has a low coefficient of friction, resulting in smooth and efficient chip evacuation and, in turn, extended tool life.



Bellows ensure secure movement

THE LATEST RX BELLWS PROVIDE A SECURE AND SIMPLE METHOD OF OVERCOMING THE PROBLEMS OF VIBRATION AND THERMAL EXPANSION AND CONTRACTION BETWEEN INTERCONNECTED COMPONENTS.

The range of RX Bellows is available from ERIKS with a choice of rubber or metal expansion joints, with rotating or fixed flanges, making them ideal for use in a wide range of applications, including high

and low pressures, and areas where steam, thermal oil or hot water are used. Options include different grades of steel, stainless steel, alloys and rubber, plus tie rods and inner sleeves.

WEG's Blackberry App gives motor users energy saving and emissions data and payback times at their fingertips

WEG's new Blackberry App is easily downloadable, (<http://www.weg.net/green/uk/blackberry-apps.html>), providing motor users with a powerful, mobile tool to calculate energy savings, return on investment and reductions in CO₂ emissions – and with the means to create reports across all electric motors in their organisations.

Simple to use, the Blackberry App offers the benefits of dual set-up options, for kW and hp, and euro, dollar and pound as default currencies, with the facility for other currencies via a 'custom' function. In addition, coefficients for CO₂ emissions are provided for coal, oil natural gas and other fuels.

An essential tool for calculating the payback time for premium v standard efficiency motors in new projects, the Blackberry App is equally useful in assessing the running costs of existing motors to determine the repayment time for replacing them with more efficient types. It also enables users to calculate and display the payback time for a new motor against the cost of rewinding, following a motor failure. Here the system takes account of the fact that rewound motors may experience a drop of up to 2 points in efficiency.

Partnership with Frenzelit widens availability of gasket sheet

SPG, ERIKS UK's Gasket Technology Centre, has announced a formal partnership with Frenzelit GmbH, the premier European manufacturer of gasket sheet. The partnership cements the strong working relationship that already exists between Frenzelit and the wider ERIKS Group, and will provide customers with increased product availability and full technical support.

SPG holds a comprehensive stock of Frenzelit sealing materials, including Novapress Universal, Novatec Premium fibre sheet jointing and high-specification graphite laminate sealing material such as Novaphit SSTC. Available in sheet form or as precision-CNC-cut gaskets, the combination of high quality Frenzelit gasket jointing and SPG's renowned customer service is a winning combination.

ERIKS SPG designs, manufactures and supplies a wide range of sealing and insulation components to many industries where equipment failure is not an option, including: white goods manufacturers, petrochemical and chemical plants, power stations, utility suppliers, hospitals, automotive, and pipeline and boiler manufacturers.

Emergency repair service keeps smelters in business



WHEN A LARGE, BESPOKE-FRAMED FAN MOTOR FAILED AT RIO TINTO ALCAN THE CONSEQUENCES COULD HAVE BEEN SIGNIFICANT. INSTEAD, THANKS TO QUICK INTERVENTION AND SIGNIFICANT REWORK BY ERIKS, THE MOTOR WAS BACK IN ACTION SIX DAYS EARLIER THAN ANTICIPATED.

The 920kW 3.3kV motor is used for unloading powdered alumina at Rio Tinto Alcan's port facility and its failure left the company temporarily unable to re-stock its UK smelting sites. The unique nature of the motor meant that no replacement unit could be sourced in an acceptable time scale, but fortunately ERIKS engineering service in Killingworth was able to collect the motor from site and undertake a strip down.

Following inspection, ERIKS' engineers remanufactured a full set of coils, rewound and overhauled the motor on an emergency service basis. The Killingworth workshop – one of many of the company's centres of

excellence across the UK – has a copper mill, coil manufacturing facility and repair facility all on the same site. Engineers were therefore able to start manufacturing a new set of coils within 24 hours of receiving the motor, using materials from stock, and working around the clock to deliver the refurbished motor back to Rio Tinto Alcan's site six days earlier than the original agreed date.

Phil Wrigely, Rio Tinto Alcan's Lynemouth Smelter Works Director, was effusive in his praise, commenting, "ERIKS' efforts helped us maintain our operations without major interruption to our customers."

OKS Airspray cuts waste and costs

The latest Airspray systems from OKS make it quick, simple and inexpensive to apply OKS oils, cleaning and parting agents using refillable hand held spray dispensers.

OKS spray cans can easily be refilled with approved OKS products and recharged from a standard compressed air supply, which acts as a harmless propellant gas. Filling and charging can be carried out using either a hand operated filling station, for workshop use, or an automatic filling unit for high volume industrial use.

This simple but effective system is approved to DIN 32 615, and eliminates the problem of throwing away empty dispensing cans, thereby minimising maintenance costs.

