

NSK enhances bearings with €100m investment

The annual €100m NSK investment in R&D has recently resulted in the development of powerful new technologies, especially in bearing steel and sealing solutions. NSK has worked closely with steel manufacturers to produce Z-Steel, which has such low levels of impurities that the bearing life can be increased by up to 80% over a bearing made of ordinary steel.

Meanwhile, advances in seal technology have resulted in a new patented labyrinth design that ensures the best levels of protection while minimising power loss. With several seal and shield combinations available, the right solution can be found for a range of applications, even those involving high temperatures or corrosive atmospheres. NSK has also advanced lubrication technology with high performance, environmentally-friendly lubricants, including clean room greases and low torque lubricants to minimise power losses.



Simalube offers free CAD data download



Simalube has made 3D CAD data for all of its automatic single-point lubricators downloadable from its website free of charge. The data will enable OEM customers who use CAD software to integrate the automatic lubricators directly in their three-dimensional design drawings.

Simalube is suitable for any single-point lubricating task with grease or oil and is available in four different sizes. Simalube lubricators guarantee a consistent supply of grease, preventing insufficient lubrication from causing bearings to fail long before they have reached their expected product life.

CAD drawings can be accessed on simatec.com



Big smiles for Wera's 'Joker'

The Joker, Wera's open-end wrench, has won this year's iF (International Forum) product design award for industry. Wera's tool scored highly in the jury's assessment criteria – which included categories such as design quality, degree of innovation, functionality and ergonomics – to score the Wuppertal-based tool manufacturer the prestigious award.

Among the capabilities offered by The Joker is a practical holding function that allows nuts and bolts to be held in the jaw and easily positioned where they are needed, avoiding time-wasting searches for dropped nuts and bolts.

Further features include a 'limit stop' that prevents constant re-positioning of the wrench and eases the difficulty of holding fasteners in confined spaces.



RX offers Fit Test for safety masks

RX IS HELPING TO ENSURE CORRECT USE OF RESPIRATORS BY OFFERING A FIT TEST TO DETERMINE WHAT TYPE OF SAFETY MASK IS BEST SUITED TO THE WEARER. THE TEST ALSO TRAINS THE EMPLOYEE IN HOW TO FIT A MASK CORRECTLY.

When safety masks are not put on correctly or do not entirely correspond with the face profile, the necessary protection is insufficient or even non-existent, and it is this danger to safety that has prompted RX to offer the Fit Test. During the test, a sweet or bitter solution is sprayed around the wearer with an atomiser. If the wearer can taste the substance, he/she will be retested and adjustments will be made until the wearer can no longer detect the taste.

RX offers a range of ergonomically-shaped masks that can be adjusted to fit closely against the wearer's face. The range includes: the RX® Flat-fold disposable mask, a single use, lightweight, disposable respirator; the RX® Pre-formed (cupped) disposable mask, available with or without valve; and the RX® Pre-formed (cupped) and reinforced disposable mask, with a lightweight netted construction that has a very low breathing resistance, offering the wearer the highest possible comfort even during the most demanding working conditions.

Terms and conditions apply.



Loctite launches free Maintenance Expert Guide

Loctite has enabled faster, more efficient product specification for its customers by providing an online Maintenance Expert Guide for mobile devices. Users can navigate by product search, application category or specific maintenance tasks, offering engineers an easy, on-the-spot means of finding the right product. They can also use the 'how to' instructions, which provide valuable hints on how to use products, or access contact details for a local distributor.

You can access the Maintenance Expert Guide free via your smartphone from m.loctite-repairs.co.uk. It is also available as a pdf, or you can order a printed copy.

