



Split Roller Bearings Handle Greater Loads

Cooper Roller Bearings has increased load capacities of many of its split roller bearings to levels higher than any split roller bearings of similar size, with L10 life that is 23% to 135% longer (depending on size). These new 01E (medium-duty) and 02E (heavy-duty) bearings are fully interchangeable with Cooper's 01 and 02 Series bearings, yet provide up to 29% more radial capacity and 16% to 90% more axial load capacity. The increased life and capacities are due primarily to changes in internal geometry. Featuring the same superior sealing and energy-efficiency as their counterparts in the 01 and 02 Series, they also share the same exterior dimensions, giving users more capacity in the same space. Rugged brass cages make the 01E and 02E bearings suitable for service underground and in other challenging environments. Typical applications include mining equipment, industrial fans, conveyors and power generation.

The Cooper Split Roller Bearing Corp. Norfolk, VA



Packing Solution Reduces Flush Rates

Chesterton's SuperSet has been specifically designed to increase packing and equipment service life while dramatically reducing flush rates. It combines the sealing capabilities of the company's Mechanical Packing products (including enhanced performance, sealability, leak prevention, chemical compatibility, strength, toughness and thermal characteristics) with the patented design of the EnviroSeal SpiralTrac™ Version P Environmental Controller for Packed Stuffing Boxes. The SpiralTrac Version P enhances the utilization of the flow and centrifugal effects around the shaft by performing like a centrifugal separator. The built-in tangential lantern ring and helical grooving system impart motion to the flush, and the resulting centrifugal force throws the particulates in the fluid to the outside of the bushing. The SpiralTrac grooving system then hydrodynamically pumps the solids to the bottom of the stuffing box and back into the pump casing.

A.W. Chesterton Co.
Woburn, MA



AODD Accessories Boost Pump Efficiency □

Warren Rupp's SANDPIPER brand has launched a new, improved line of Air Filter/Regulators and Lubricators for air-operated double-diaphragm (AODD) pumps. Features include a liquid-filled pressure gauge, as well as accessories such as lockout valves and mounting bracket kits. These point-of-use Air Filter/Regulators have been specifically developed to reduce maintenance and lower operating costs. The addition of a Filter/Regulator will help prevent dirty, wet and contaminated compressed air from decreasing the performance of an AODD unit, and SANDPIPER recommends the use of these items with all of their pumps. Although the company's AODD pumping equipment is designed to operate without lubrication, in applications with poor-quality air supplies or where nitrogen runs the pump, lubrication of the compressed air

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is required. For these situations, SANDPIPER offers a full-line of Lubricators that easily connect to its Filter/Regulators .

Warren Rupp, Inc.
A Unit of IDEX Corp.
Mansfield, OH



Analyze Power And Quantify Energy Losses

According to Fluke, its 430 Series II Three-Phase Power Quality and Energy Analyzers not only offer exceptional power-quality analysis capabilities, they introduce, for the first time, the ability to monetarily quantify energy losses. The models in the Series II (the 434, 435 and 437) help locate, predict, prevent and troubleshoot power-quality problems in three-phase and single-phase power-distribution systems. Incorporating what the company calls revolutionary functions, they can help a facility reduce electrical-power consumption and improve the performance and lifespan of its electro-mechanical equipment. Capabilities include:

- **Frontline troubleshooting:** Quickly diagnose problems on-screen.
- **Energy loss management:** Measure and quantify causes of energy losses to enable simple ROI, calculation of harmonics and unbalance mitigation.
- **Power inverter efficiency:** Simultaneously measure AC input and DC output for power electronics systems.
- **Dynamic load testing:** Capture instantaneous values to see the effect of load switch on generators and UPS systems.
- **Capture fast RMS data:** Show half-cycle and waveforms to characterize electrical system dynamics.
- **Predictive maintenance:** Detect and prevent power-quality issues before they cause downtime.
- **Quality of service compliance:** Validate incoming power quality at the service entrance.
- **Long-term analysis:** Uncover hard-to-find or intermittent issues.

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- **Load studies:** Verify electrical system capacity before adding loads.

Fluke Corp. Everette, WA



Wireless Pump Control Goes Mobile

Grundfos North America has launched the Grundfos GO, a combination of a mobile interface and free app that provides intuitive wireless pump control. To manage pumps by remote control, users need only to download the app from the App Store or Google Play and connect the mobile interface to an iPhone, iPad, iPod Touch or Android smartphone. They can then copy profiles to new pumps, generate installation reports, request status data, adjust pump settings and receive alarms and warnings, as well as monitor a live data feed from the pumps that includes duty points, historical data, power consumption, pump speed and temperature. The app also provides round-the-clock access to exhaustive product information via Grundfos GO CAPS, a mobile version of the company's product database that, among other things, allows users to select replacement pumps on site at any time.

Grundfos Pumps Corp. Olathe, KS