



U.S. Battery
Manufacturing Company

U.S. Battery's breakthrough *Diamond Plate Technology* has been designed to provide you with the highest rated batteries in the class.

Branches At:
Scotland
0141 6479700
North East
0191 5658734
North Wales
01745 832174
South
01483 504965
South East
01462 851225
South West
01179 776477
North West
0161 2732235
East Midlands
01246 452522
West Midlands
01743 460790

The **X₂** line of batteries has been packed with enhanced features, which dramatically improve battery performance in any application.

Manbat Ltd. after more than 55 years in the battery business, is certainly a name you can trust. With nine wholly owned branches spread across the U.K. our pre and post purchase service is second to none.

www.manbat.co.uk

UK Generators Limited

UKG Hydraulic Generator

The UKG Hydraulic Generator is a 3.5 kVA hydraulically driven, single phase onboard ac power supply designed for installation onto most access platforms.



- ✓ No additional fuel costs
- ✓ Reduction in service and maintenance costs
- ✓ No noise emissions
- ✓ Quick & Easy installation
- ✓ Pressure Compensated Flow Control Valve and on/off solenoid valve
- ✓ Earth leakage circuit breaker protection
- ✓ Choice of either 110v/220v, 50/60 hz models.

Tel: 01536 747500
sales@ukgenerators.co.uk



Visit: www.wl-industries.com

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.

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.

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.

Quality **Innovation** **Reliability**

Odense + 45 66 13 11 00 Holbæk + 45 59 45 55 00

Better nuts and bolts

Jergens of the USA has launched a new flange locking bolt called the Spinner-Grip, joining its Spinner-Grip locknut range launched in late 2006. The patented locking flange on both the bolt and the nut works without a serrated or friction surface and so does not damage or cut into the surface it is locking onto - a typical problem with normal flange type bolts and nuts which can lead to corrosion.

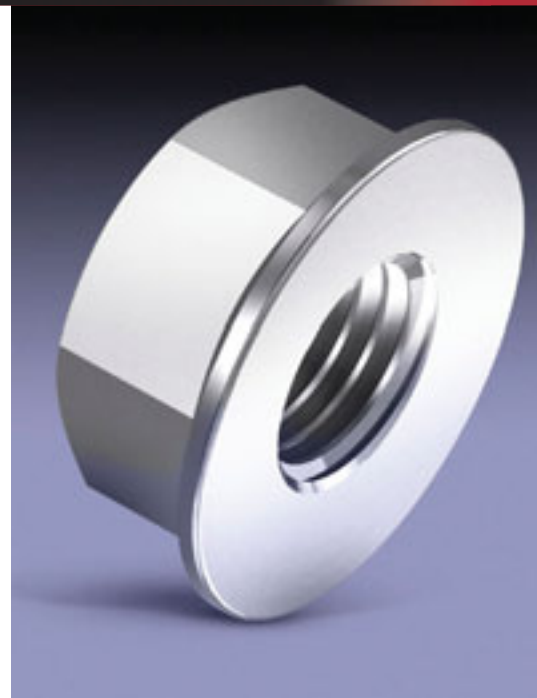
The Spinner flange is conical and has a degree of flexibility so that the concave shape flattens out when fully tightened onto the base material, creating a grip and locking action that the company says out-performs nylon locknuts, spring chemical

The Jergens Spinner Bolt.



treatments in its resistance to vibration. The benefits of the Spinner hardware includes:

- The elimination of both flat and spring washers in all but slotted applications, thanks to the flange.
- The ability to spin the nuts on and make them hand-tight without using a wrench. This also avoids the slippage problem that can occur when starting to tighten down nylon locking nuts with hand tools.
- Unlike nylon locking nuts the Spinner nuts are all steel and are not therefore subject to damage by high temperatures or humidity and unlike serrated flange nuts or bolts or serrated washers they will not damage the surface of the material they are being clamped down upon.
- The Spinner nut has no effect on the bolt thread and can therefore be re-used time and again without losing any anti-vibration performance according to the manufacturer.



The nuts are Grade 8 strength and quality and 28 - 38 Rockwell hardness. They can be specified with various types of plated finish or ordered in 18-8 stainless steel for highly corrosive applications.

Condoms for hoses



The Conduit Cover

Moore Industries has launched a new patented product for protecting open hydraulic hoses and tubes

from contamination. The device functions like a universal cap or plug to quickly and easily cover the open ends of all types of hoses, pipes, lines, fittings and connectors as soon as they are opened to the elements.

In contrast to traditional plastic caps and plugs which require an exact fit, the Conduit Covers will

quickly tighten over almost any size of opening. The product itself looks very simple - heavy-duty polyethylene bags with a built in flexible tie strap. The bag is easily slipped over the open-end of the hose or fitting and the tie pulled tight automatically adjusting to the size or even shape of the hose or fitting creating a tight protective fit. The covers are currently offered in a 100mm (4") wide version that covers hoses up to 63.5mm (2.5") in diameter. The company is also launching 200mm and 300mm (8 and 12 inch) covers for larger tubes and hoses.

The protective covers come in a heavy-duty slide-seal poly bag package that eliminates the need to purchase and manage divider storage boxes. The slide seal packaging bag can be conveniently stored in a service truck or tool tray. Benefits of the Conduit Covers include quick and easy installation, cutting the time taken to properly protect open lines; any small amounts of residual oil or liquid is caught in the bag preventing leakage and finally, the bags are recyclable.

Electronic motion alarm

E2S has developed a new rugged horn for use as a motion alarm. E28 says that the GPH (General Purpose Horn) is a long-life, ultra-reliable electronic alternative to electromechanical warning devices.

The electronic circuitry and matching piezo driver combine to produce a sound that mimics traditional warning

devices that is ideal for use in areas with a high ambient noise. In addition to the conventional pulsing output, the GPH generates two alternative warning tones, giving the installer or manufacturer greater flexibility in providing effective warning signals. The GPH operates from 24 volt DC or 115/230 volt AC, is

continuously rated and offers long operational life as there are no moving parts, diaphragms or contacts to wear out.

The device is manufactured from high-grade, fire resistant polycarbonate with CE and UL approvals. It can be surface or flush mounted and is protected to IP66 (UL Type 4/4X/13) when used with the weatherproof back box, making it suitable for use in harsh environments.



The E2S General Purpose Horn

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.

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.