November 2017

THE UTILITY SOURCE

Products and Services for Today's Electric, Telecom, and CATV Utilities

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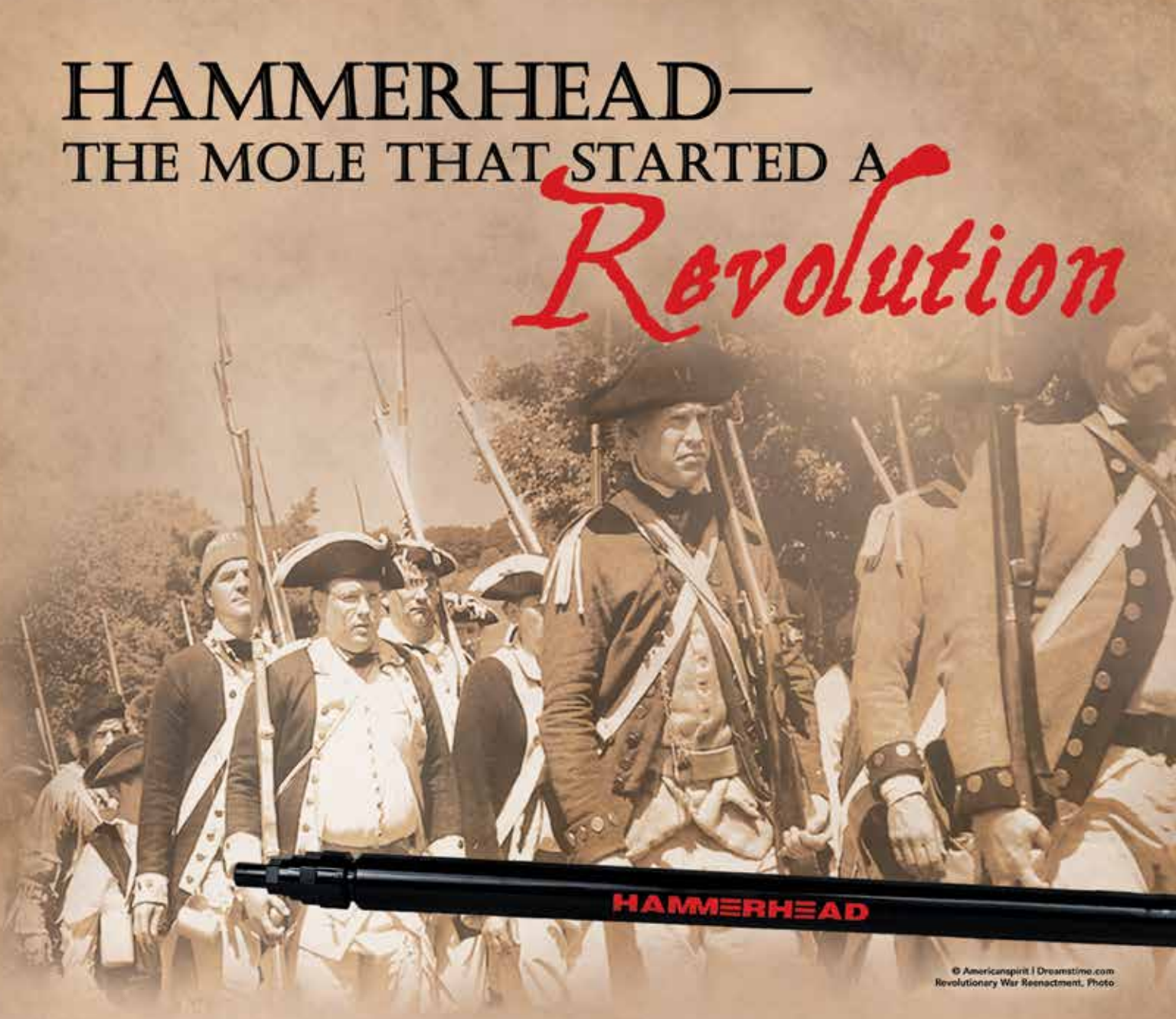
HAMMERHEAD—
THE MOLE THAT STARTED A *Revolution*



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NESCO Aquires Bethea Tool & Equipment Company

NESCO, LLC has acquired Bethea Tool and Equipment Company, a manufacturer of Handline Blocks, Stringing Blocks, Bundle Blocks and similar products used by electrical utilities and contractors worldwide for more than 50 years. The acquisition includes Bethea Tool and Equipment's manufacturing facility and distribution center in Brighton, Tenn. This location provides 60,000 square feet of warehouse and service space.

"The acquisition of Bethea Tool and Equipment solidifies our position as the premier service and equipment provider in utility and specialty rental markets," said Lee Jacobson, NESCO's CEO. "This acquisition expands our product portfolio, increasing our flexibility in meeting the purchase and rental needs of customers seeking high quality products."

Bethea Tool and Equipment Company will become part of NESCO's Utility Equipment Outfitters (UEO) division, making UEO one of the largest providers of block rentals, as well as new and used Parts, Tools, and Accessories in North America.

NESCO created the UEO division three years ago to offer Parts, Tools and Accessories (PTA) to Utility, Rail, Communication, and other specialized industries.

www.nesco.com

34th Lineman's Rodeo

The threat of severe thunderstorms didn't put a damper on the 34th International Lineman's Rodeo, which broke attendance records on October 14, 2017 in Bonner Springs, Kan. This year, more than 1,000 of the best linemen from around the world competed in team events and individual journeyman and apprentice events, demonstrating the extreme skills necessary to safely complete their jobs.

Linemen competed in pole climbing, hurtman rescue, and multiple mystery events, which this year included a rope tying event. Terex® and Utility One Source (UOS) sponsored the Apprentice Hurtman Rescue Competition by providing four Hi-Ranger™ TC55 aerial devices and one Hi-Ranger TL55 aerial device. The purpose of the Hurtman Rescue is to demonstrate speed while safely lowering an injured worker (represented by a mannequin) who is unconscious at the top of the pole.

"We wish to congratulate Kaleb Chapman of Jackson Electric Membership Corp., Atlanta, Ga., who was the fastest apprentice with a time of 00:43:33 and zero deductions," said Paul Beck, Terex Utilities Strategic Account Manager.

www.linemansrodeokc.com

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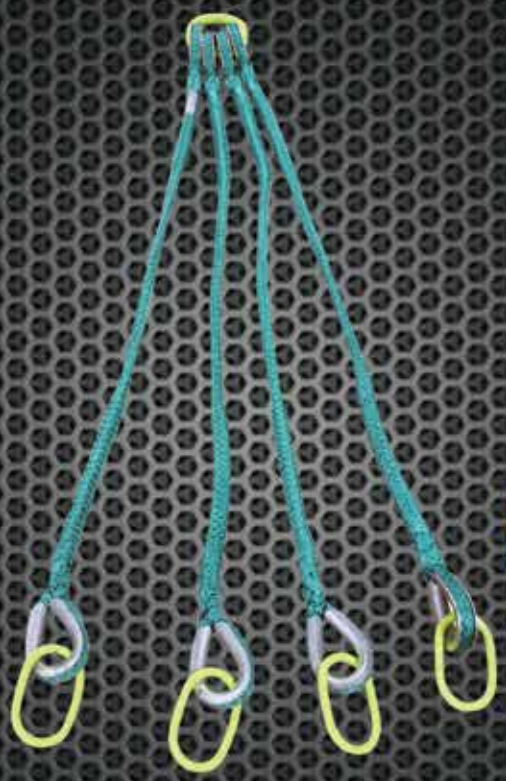

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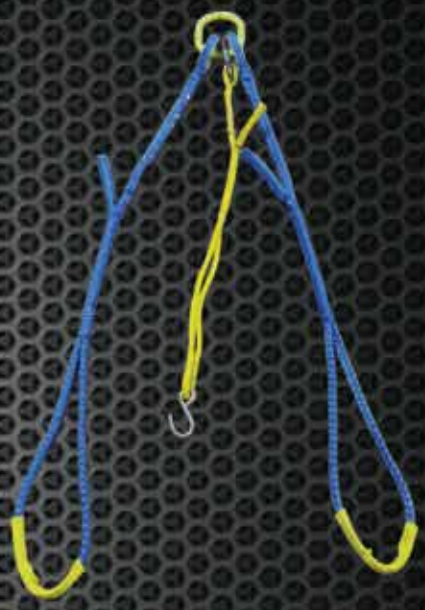

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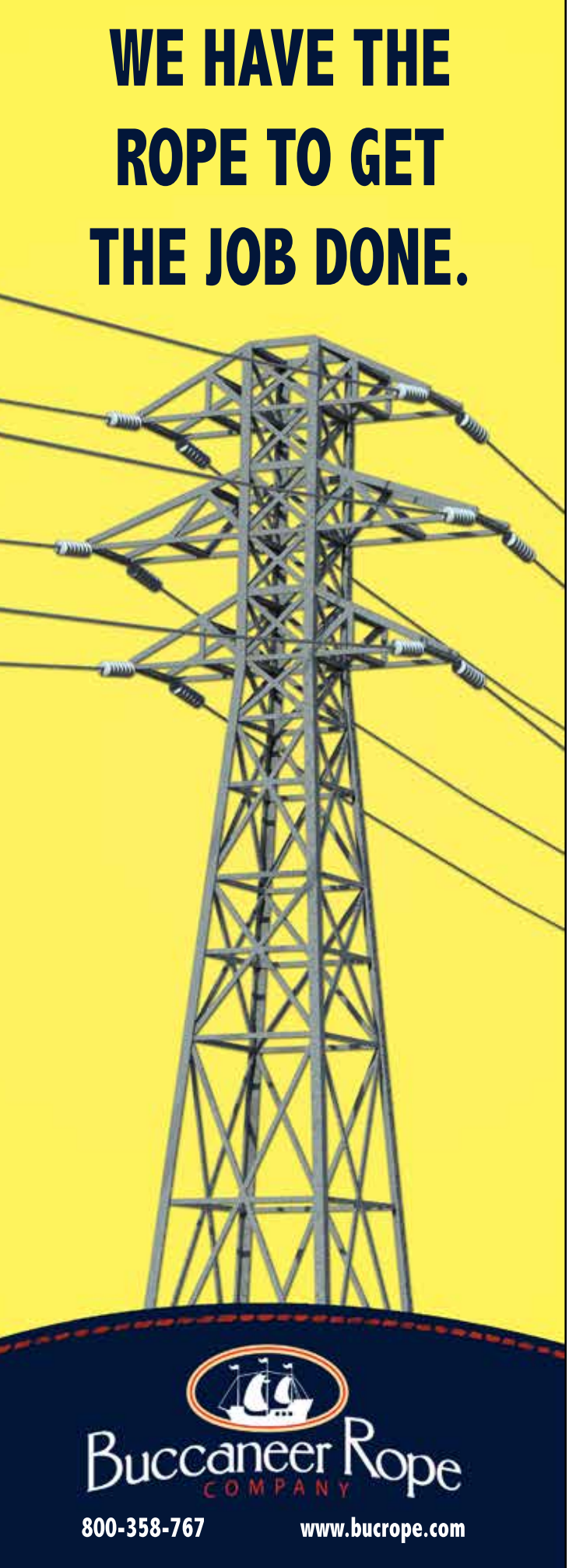


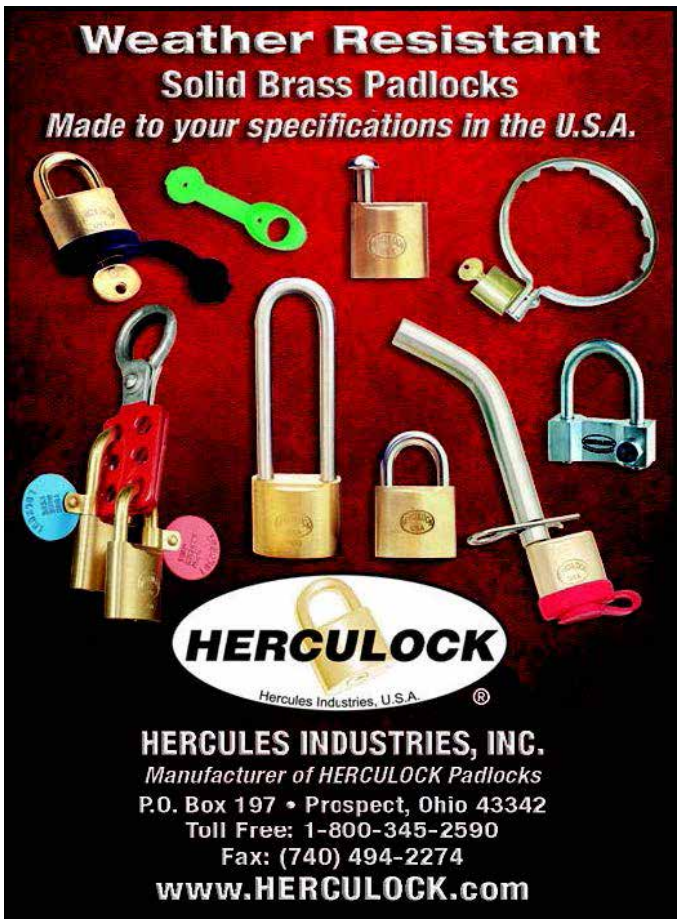
JLG Industries, Inc. Announces the JLG 315G & 615G Utility Vehicles

JLG Industries, Inc., an Oshkosh Corporation company and a leading global manufacturer of aerial work platforms and telehandlers, announced the JLG® 315G and 615G utility vehicles have received a 2017 Editor's Choice Award from Rental magazine.

The 315G and 615G were chosen as award winners based on several factors, including innovation, utility for the rental market, and audience engagement online at www.ForConstructionPros.com/Rental. According to the publication, products chosen for this honor are those that construction professionals have shown active interest in. "This year's winning products represent the best of what leading manufacturers have to offer for today's rental inventories," said Jenny Lescohier, editor of Rental.

JLG introduced the utility vehicles in March 2017, and was the first manufacturer of aerial work platforms and telehandlers to break into this market. The three-seat 315G and six-seat 615G gas-powered vehicles are manufactured through a partnership agreement with Arctic Cat and feature a 10-inch ground clearance with four-wheel drive and an independent suspension that keeps all four wheels on the ground during travel for superior traction and balance. The vehicles boast class-leading cargo capacities with a 1,000-pound capacity cargo box and 1,500-pound towing capacity.

www.jlg.com



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Condux Tesmec PT1250 Hydraulic Puller-Tensioner

The PT1250 hydraulic puller-tensioner from Condux Tesmec provides industry-leading features like a negative self-acting hydraulic brake, an integrated hydraulic dynamometer, a hydraulic cooling system, advanced user controls and more.

This model offers 11,240 lbf (50 kN) of pulling or tensioning capacity and is designed for stringing one rope or one conductor. The bull-wheel grooves on the PT1250 are made from high resistance interchangeable nylon sectors. The PT1250 features a new digital interface with automatic power management and full safety controls.

Condux Tesmec offers a full line of hydraulic pullers, tensioners, puller-tensioners and stringing blocks representing the safest and most reliable equipment in the power transmission and distribution industry. Condux Tesmec also offers one of the largest and most diverse selections of conductor blocks on the market.

A full line of productivity-enhancing conductor stringing tools and accessories is also available including anti-twist rope, reel winders, reel stands and more.

www.conduxtesmec.com •

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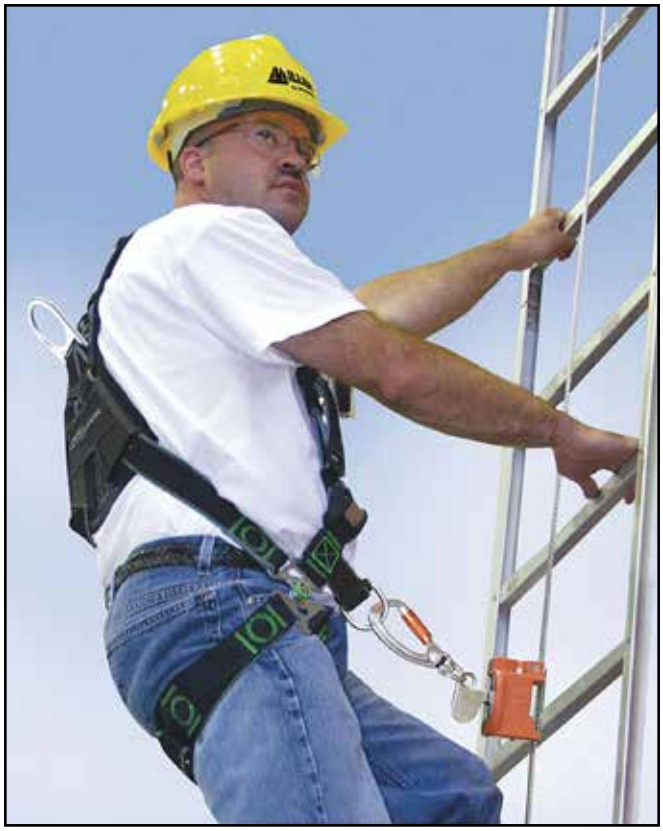
Miller Vi-Go™ Ladder Climbing Safety Systems



Miller Vi-Go™ Ladder Climbing Safety Systems from Honeywell provide the ultimate in safety with continuous fall protection when climbing fixed ladders. The systems are available in easy-to-install kits or as a build your own option.

The uniquely-designed, patent-pending Vi-Go Cable Sleeve automatically bypasses intermediate cable guides, keeping both hands free for climbing; travels smoothly along cable and locks instantly in the event of a fall — to provide uninterrupted fall protection.

In addition, no pins/chains or external parts to lose or damage means easy, one-hand operation.

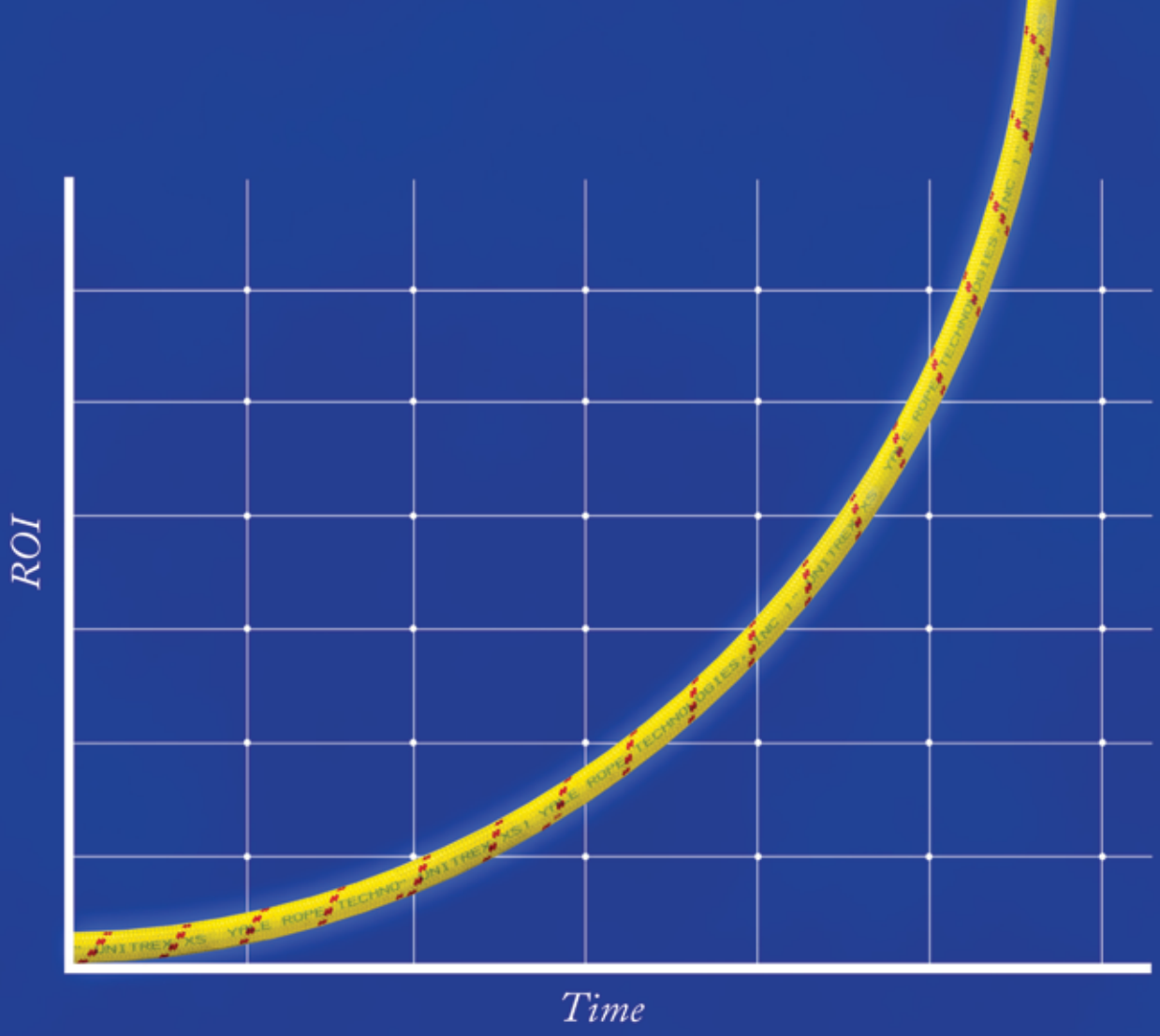
Features

- Attachment mechanism engineered to prevent incorrect installation – Unit will not open if attached incorrectly

- Cable sleeve integrated shock-absorbing element – Provides a "dual shock-absorbing system" to further reduce fall forces. Protects the system and ladder from damage
- Accommodate up to four (4) workers at a time
- Accommodate 5/16-in. (8 mm) or 3/8-in. (10 mm) cable
- Select Automatic or Manual Personal Fall Arrester Cable Sleeves - Both cable sleeves are designed to follow the user along the lifeline while ascending or descending, instantly locking in the event of a fall

Vi-Go System Kits with Automatic Pass-Through

- Uninterrupted fall protection– Uniquely-designed, patent-pending Vi-Go Cable Sleeve automatically bypasses intermediate cable guides, keeping both hands free for climbing; travels smoothly along cable and locks instantly in the event of a fall
- Easy, one-hand operation for attachment/detachment from the system. No pins/chains or external parts to lose or damage
- Automatic pass-through cable guides secure lifeline to prevent cable wear and enable the system to accommodate curves.
- Withstand harsh environments– The Vi-Go Cable



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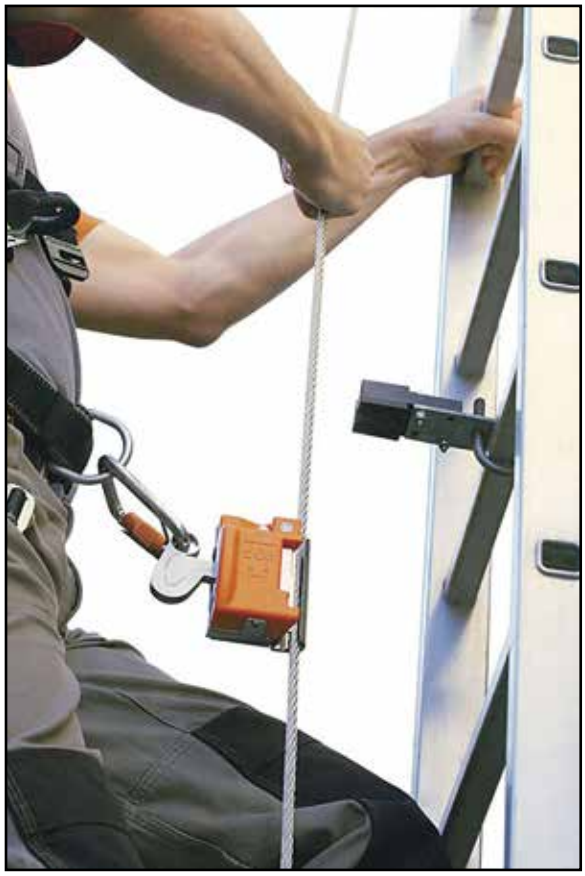

Sleeve is constructed with durable, corrosion-resistant aluminum and stainless steel components

- Attachment mechanism engineered to prevent incorrect installation, ensuring greater safety. Unit will not open if attached incorrectly
- Cable sleeve integrated shock-absorbing element
- Accommodate 5/16-in.*(8 mm)*or 3/8-in.*(10 mm)*cable

Vi-Go System Kits with Manual Pass-Through

- Require manual removal/insertion of cable with intermediate guides.
- Cable guides secure lifeline to prevent cable wear.
- Manual Vi-Go Cable Sleeve follows the worker while ascending and descending.
- Cable sleeve locks instantly in the event of a fall.
- Accommodate 3/8-in. *(10 mm)*cable.

- *Cable sleeve must be purchased separately.*

Build Your Own System- For multiple system installations requiring cutting cable on site

On a job site, exact cable lengths may vary and pre-cut cable length system kits will not meet installation requirements.

The solution is to *Build Your Own System* by selecting the following components:

- Top bracket assembly
- Bottom bracket assembly
- Vi-Go cable guides – continuous or manual -*(Minimum one (1) required per 40-ft. [12.2 m] length)*[1]
- Fast-Attach Fitting for 3/8-in.*(10 mm)* diameter galvanized steel cable
- Cable
- Vi-Go cable sleeve – automatic or manual

www.millerfallprotection.com

Milwaukee® Delivers First One-Handed Overhead Transmission Cutting Experience

Milwaukee Tool continues to expand its line of FORCE LOGIC™* High Force Tools for Utility Linemen with the introduction of the M18™ FORCE LOGIC™ 9T Utility Cutter. A self-latching jaw design enables opening with just one hand, enhancing alignment while delivering easiest operation with Class 3 Gloves. The wire automatically closes the jaw, providing hands-free jaw closure and the easiest mid-span cuts.

"Hand ratchet tools put strain on the body and are difficult to use. Cordless transmission cutters are large, challenging to align, and have a latch-style cutting head that is extremely awkward to close around the wire during mid-span cuts. This ultimately makes set-up a three-handed operation," said Paige Bovard, Group Manager of Product Management for Milwaukee Tool. "Our self-latching design enables users to open the jaw with just one hand for easier alignment straight to the wire. During those mid-span cuts, the wire automatically closes the jaw so the user doesn't need to juggle with pins or awkward reaching. Fully balanced and under 12lbs, this new solution delivers the best control for Linemen."

The fastest transmission cutter on the market, the new 9T Utility Cutter makes up to 60% faster cuts in 1590 Falcon ACSR. Equipped with an M18™ RED LITHIUM™ XC 5.0 battery, it can deliver more than 200 cuts per charge.

As a complete problem-solving solution, the 9T Utility Cutter is compatible with the digital platform, One Key™, which allows the user to sync the tool wirelessly with their mobile device or desktop. Users will be able to monitor tool inventory, including tracking the location of missing tools and receiving alerts when lost tools are found. Furthermore, ONE-KEY™** will assist in tracking the utilization and service interval of the tools to maximize uptime and keep inventory lean.

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From the power plant, through transmission and distribution, it is Milwaukee's goal to improve reliability and productivity for Linemen by offering cordless solutions on one battery platform that will replace the heavy traditional corded, gas and truck hydraulic solutions used today. With a base of tools on the M18™ system already used by Linemen, the launch of game-changing 6T Utility Cutters in 2015, the introduction of a 12T Utility Crimper, and three uniquely innovative Utility Cable Cutting solutions this year, Milwaukee is committed to making this goal a reality.

* FORCE LOGIC™ is engineered to not only improve upon, but fundamentally change the way high-force tools are used in the field. Through thoughtful design focused on workflow, each tool simplifies a complicated process to deliver the best user experience of its kind and the smartest way to work.

**ONE-KEY™ is the first digital platform for tools and equipment. By integrating industry-leading tool electronics with a custom-built cloud based program, ONE-KEY™ provides a new level of control and access to information that revolutionizes the way work gets done. The ability to customize, track, and manage through ONE-KEY™ fundamentally changes the way users interact with their tools.

Specifications

M18™ FORCE LOGIC™ 9T Utility Cutter (2777-21)

- Hydraulic Output Force: 9 Tons
- Cut Capacity: up to 1590 Falcon ACSR
- Length: 16.75"
- Weight: 11.75 lbs

Includes M18™ FORCE LOGIC™ 1590 ACSR Cutter, Side Handle, M18™ REDLITHIUM™ XC5.0 Extended Capacity Battery Pack, M18™ Lithium-Ion AC/DC Wall and Vehicle Charger, Milwaukee Carabineer, Manual, Utility Bag.

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New hands-free, LED pocket light for night workers who don't have a third hand.

The new QuiqliteX Rechargeable hands-free, multi-purpose light serves as a dual-powered reading light, a safety/location beacon strobe light and a searchlight.

The new QuiqliteX is the perfect solution for night shift workers from utility lineman, night watchmen and tow truck drivers to public safety workers and anyone else who needs light without having to hold a flashlight in their hands. Invented by a police officer to increase convenience and safety on the job, the QuiqliteX Rechargeable Dual White Light is the only hands-free, LED light source. Small and compact, the QuiqliteX is designed to clip on the inside of a shirt pocket.

A single on/off button, easily activated through a shirt pocket, operates three modes of operations; The first push of the On/Off button will activate a single white LED at 20 lumens to help preserve night vision. If more light is required, a second push will activate a second LED and increase the light's power to 75 lumens for both LEDs. QuiqLiteX is equipped with a 10 minute auto-off battery saving timer and continuous Safety Strobe. Now includeds QuiqFlare attachment, making you visible from over 1.5 miles away.

The patented, full-featured rechargeable QuiqliteX LED Dual White Light is much more than just a pocket light. It is an emergency light kit in your pocket. Depending on the mode, the long-lasting rechargeable battery will retain its power for up to 11 hours of continuous use. In the emergency strobe mode, with its flashing, high-visibility Dual White LED beam, the light can run continuously for up to five hours. The light's magnetized clip will attach to any iron-based metal surface to become a location beacon or warning of a hazardous situation. A flare adapter that enhances the strobe's visibility to over a mile away is also included.

The incredibly compact QuiqliteX Rechargeable Dual White Light measures only 1" X 3" and includes both a built-in shirt pocket clip and a heavy-duty magnetic clip adapter. To have the LED beam directed exactly where it is needed, the light's body can rotate 360° with an additional 160° up/down adjustment for the LED light arm. Using the included micro USB charging cable, the unit can be fully charged in about two hours and can be monitored by the charging indicator LED. To maximize battery power, the Dual White mode has a10-minute automatic shutoff timer.

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- Manufacturing
- Transportation
- Energy
- Chemicals and more!

RegScan's unique online tools enable easy access to, and interpretations of, global environmental regulations and operational standards. Do your research and get your alerts through the RegScan One system, or have your content exported via web services to any online environmental management system. Users of the RegScan One system can create custom legal registers and audit protocols for more than 140 jurisdictions. Access the interface in nine languages:

- English
- Chinese
- French
- German
- Italian
- Japanese
- Malay
- Portuguese
- Spanish

Educational Resources

Webinars

RegScan understands that staying in compliance is critical. But it doesn't have to be complicated. That is why we host webinars several times throughout the year that help our clients tackle ever-evolving problems in the EHS industry. Prior topics covered included regulatory overviews, the Changing Role of the EHS Manager, and ISO 14001:2015. Such topics specifically address the newest industry standards while banishing compliance confusion, provide necessary tools to manage today's EHS challenges and reduce time and money spent on compliance activities.

Tutorials
RegScan also produces a number of helpful videos for our users. They answer most commonly asked questions on using the RegScan One interface. You may wish to visit our Informational & Tutorial Videos Page prior to submitting a ticket to see if your question can be answered with the assistance of one of these videos.

Quality Suite
RegScan has introduced audit protocols and checklists geared to quality management in healthcare.
They cover the basic ISO 9001 and Quality Systems, Medical Devices (United States and the European Union), and Pharmaceuticals.

I-Comply Checklists have been added to provide Environmental, Health, Safety, Security for Data Centers and Offices. When you still have EH&S issues, but not the intensity of a manufacturing operation.

Tracking Regulatory Change

Strikethrough
Strikethrough allows you to effortlessly see the amendment history of a regulation by comparing the current regulation with an earlier or future version. Changes are easily identified by color-coding. Anything that has been added will appear in green, while anything that has been deleted will appear in red.

My WatchList
My WatchList is a custom regulatory change management tool that allows you to monitor change at various levels of detail. It gives you quick access to only the information you need, while providing a clear record of what you have and haven't reviewed. My WatchList is the easiest way for a Web Services user to build a custom regulatory register, which RegScan will automatically export to your online environmental management system.

LookOut Email Alert
By defining specific keywords or phrases, LookOut allows you receive daily Email alerts on State or Federal regulatory changes.

RegScan Customer Support
As part of our ongoing commitment to improve the RegScan user experience, we use a ticketing system for customer support inquiries. This allows us to streamline requests and better serve you. Available 24/7, the ticketing system allows you to immediately report an issue and track the support team's response to it. Every support request is assigned a unique ticket number. For your reference, we provide complete archives and history of all your support requests. A valid email address is required to submit a ticket.

Schedule a Demonstration
The RegScan team will gladly demonstrate any of our products or services for free. Our online demonstration sessions can accommodate up to 25 people, and we will schedule a meeting whenever it's convenient for you.During these interactive demonstrations, our experienced staff will go through whatever products or services interest you. You'll also have the opportunity to ask questions, and discuss licensing options that are tailored to your needs. If you decide to purchase, we can take of your training and support needs too. We frequently update our library of training videos, and we'll be happy to arrange online or in-person training sessions. Furthermore, our in-house technical support team is always available on weekdays (except for holidays) between 8 a.m. and 8 p.m. Eastern time, and online 24/7.

To learn more about RegScan, please call +1 570-323-1010, or Email info@regscan.com.

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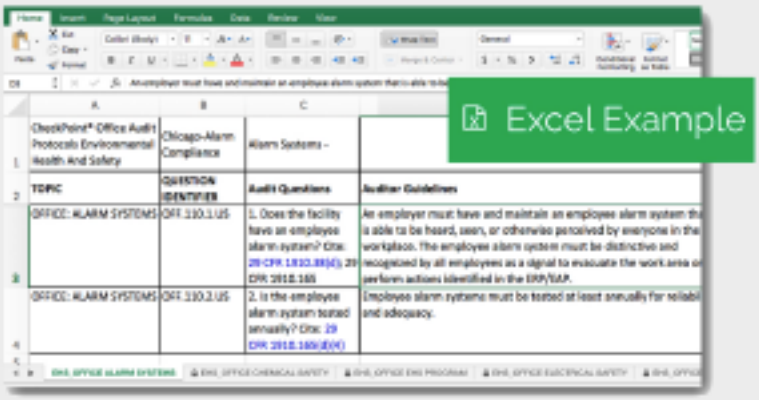

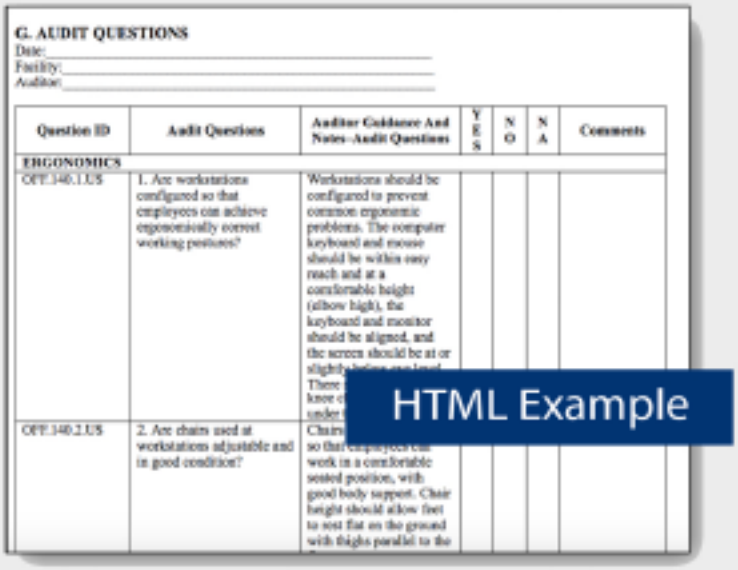

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OPTIMA

Terex® Launches Latest Enhancement in the Hi-Ranger™ Distribution Aerial Device Product Line- the Optima™ Series at ICUEE

Terex Utilities debuted the Optima Series of enhanced aerial devices used for construction and maintenance of distribution lines at the International Construction & Utility Equipment Expo (ICUEE), Oct. 3-5, in Louisville, Ky. The new Optima™ TC, TCX, HR, and HRX Series feature product enhancements in the heart of the Hi-Ranger™ aerial device product line.

"Performance, productivity, and safety are among the top concerns of electric utility customers," said Joe Caywood, Director of Marketing. "Terex Utilities has responded to customer requests time and again in an effort to provide continuous improvement of our products that are rooted in these three areas of focus."

"Optima is built on the strong foundation of Hi-Ranger, designed to provide greater reliability, efficiency and simplified operation and maintenance," said Joe Caywood, Director of Marketing. Product improvements include greater payload capacity, better boom speeds, enhanced side reach and ground access, as well as features that improve maintenance access and reliability on the Optima Hi-Ranger aerials.

Operation

"When it comes to payload capacity, operators always want more. Crews want to carry as much gear and equipment on their trucks as possible," said Ted Barron, Vertical Market Product Manager. By using higher strength steel to reduce overall vehicle weight, Optima TCX and HRX now offer up to 1,000 pounds more vehicle payload capacity, depending on specific configuration and stability requirements.

Improved boom speeds and responsiveness have been accomplished by redesigning the hydraulic circuit and optimizing the hydraulic cylinders.

An expanded working range optimizes capacity and supports improved ground access. "The lower ground access makes it easier for operators to hand off tools to ground personnel, clean out debris in the bucket and is useful in operator recovery situations," said Caywood.

Optima TC and HR models boast three feet more side reach. A visual indicator light shows the operator when the boom moves into the extended reach area of the working range. The addition of the optional Load Alert system further enhances safe work practices by monitoring the truck's jib and basket capacity.

In addition, all Optima aerial devices now have 700-pound platform capacity as standard. Optional 800-pound capacity platforms are available on the Optima TCX and HRX models. An optional two single man 24 x 30-inch platform is available with capacity of 700 pounds (350 lbs. for each bucket).

Maintenance

Over the life of the aerial device, simplified maintenance increases uptime for fleet managers and improves operation. The leveling chain now has extended life of 10 years before replacement (based on typical utility usage). At five years the inspection does not require the chain to be removed. A new pedestal design on all Optima models provides technicians easier access to torque lower rotation bearing bolts, which are now accessible on the outside of the pedestal. Plus all hydraulic fittings located above the boom rotation are sealed with O-rings, reducing leaks. Finally, all Optima aerial devices feature powder-coated finishes for longer life. "All of this adds up to less downtime and less cost for servicing the aerial device, which lowers the total cost of ownership," said Caywood.

Specifications

Optima TC and TCX Series, Non-Overcenter Material Handling Aerial Devices

OPTIMA MODEL	Working Height	Side Reach	Platform Capacity	Jib Capacity*
TC50	55.0 ft. (16.8 m)	39.3 ft. (12.0 m)	700 lbs. (318 kg)	2000 lbs. (907 kg)
TC55	60 ft. (18.3 m)	42.8 ft. (13.0 m)	700 lbs. (318 kg)	2000 lbs. (907 kg)
TCX50	55.0 ft. (16.8 m)	39.3 ft. (12.0 m)	800 lbs. (363 kg)**	2000 lbs. (907 kg)
TCX55	60.0 ft. (18.3 m)	42.8 ft. (13.0 m)	800 lbs. (363 kg)**	2000 lbs. (907 kg)
TCX60	65 ft. (19.8 m)	46.4 ft. (14.1 m)	800 lbs. (363 kg)**	2000 lbs. (907 kg)

**Maximum with Hydraulic articulating jib/winch, extend underload side mount option depending on stability*

***Optional platform capacity*

Optima HR and HRX Series, Overcenter Material Handling Aerial Devices

OPTIMA MODEL	Working Height	Overcenter Side Reach	Platform Capacity	Jib Capacity*
HR46	51.0 ft. (15.5 m)	40.4 ft. (12.3 m)	700 lbs. (318 kg)	2000 lbs. (907 kg)
HR50	55.0 ft. (16.8 m)	43.2 ft. (13.2 m)	700 lbs. (318 kg)	2000 lbs. (907 kg)
HR55	60.0 ft. (18.3 m)	48.2 ft. (14.7 m)	700 lbs. (318 kg)	2000 lbs. (907 kg)
HRX50	55.0 ft (16.8 m)	43.2 ft. (13.2 m)	800 lbs. (363 kg)**	2000 lbs. (907 kg)
HRX55	60.0 ft. (18.3 m)	48.2 ft. (14.7 m)	800 lbs. (363 kg)**	2000 lbs. (907 kg)
HRX60	65.0 ft. (19.8 m)	53.2 ft. (16.2 m)	800 lbs. (363 kg)**	2000 lbs. (907 kg)

**Maximum with hydraulic articulating jib/winch, extend underload side mount option depending on stability*

***Optional platform capacity*

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Gear Keeper's New RT3-5605 Retractable Tether

Gear Keeper's new RT3-5605 heavy-tool retractable tether's ultra low profile keeps tools close to the body when stored while still allowing complete accessibility when in use. The retractor employs a very low 7 oz force to avoid arm strain when extended, but strong enough to keep the line taught to avoid snagging or interference with the work being performed. The retractor mechanism's force is designed to retract the lanyard, not the tool. When the tool is retracted, lanyard exposure is minimized to avoid snagging, especially when the tool is also placed in a tool bag/pouch.

Using a retractable tether for heavy hand tools is particularly important when working in close quarters or climbing. Gear Keeper's new RT3-5605 heavy-tool retractable tether's ultra low profile keeps tools close to the body when stored while still allowing complete accessibility when in use. Like other retractables in the Gear Keeper line, the RT3-5605 is engineered so that the tool, application and recoil/retraction force are in balance. Designed to avoid worker fatigue in order to maintain productivity, only minimal force is necessary to extend the RT3-5605 tether for use.

www.gearkeeper.com •

HD Electric Launches ClearTest™ Transformer Tester

HD Electric Company, a Textron Inc. company has launched its ClearTest™ Transformer Tester, a compact and lightweight handheld device to quickly, easily and safely test all distribution connectors in a transformer. The device looks both inside and outside the transformer, testing the coil, core and whatever the transformer connects to, alerting the user of any open circuits or short circuits, as well as notifying the user that the transformer is OK to work on.

The ClearTest™ Transformer Tester is a completely new design that briefly energizes the transformer and takes a snapshot of its condition by measuring the voltage, current and power factor of the test signal. The one-button interface quickly and easily verifies that the transformer and its secondary connections are neither open nor shorted and provides an audible alarm to confirm a successful test.

The ClearTest™ Transformer Tester is compatible with new or reworked, single or three phase transformers and all the connections made to them, up to and including the revenue meter.

www.HDElectricCompany.com •

Utility Solutions, Inc. Introduces Two Sizes of Telescopic Range Poles

Utility Solutions, Inc. has responded to market demands and introduced two sizes of Telescopic Range Poles for the electrical distribution market. The BLUE STRIPE® Telescopic Range Poles went on sale this Spring and are available for immediate delivery.

"We are responding to customers who could not find a steady supplier of Range Poles", said Roger May, Sales Director for Utility Solutions, Inc. "Some reported lead times of more than 6 months. We used all of our resources and experience in the fiberglass industry and quickly created a solution. The Range Pole should have an immediate and positive impact on the market."

Range Poles have offered field personnel a simple and reliable method of sighting and measuring for many years. The red and yellow contrasting sections allow for long distance visibility and the compact, telescoping design makes for easy transport. From setting poles to conducting terrain surveys, the BLUE STRIPE® Range Poles offer a compact and robust option for both utilities and contractors.

www.utilitysolutionsinc.com •

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