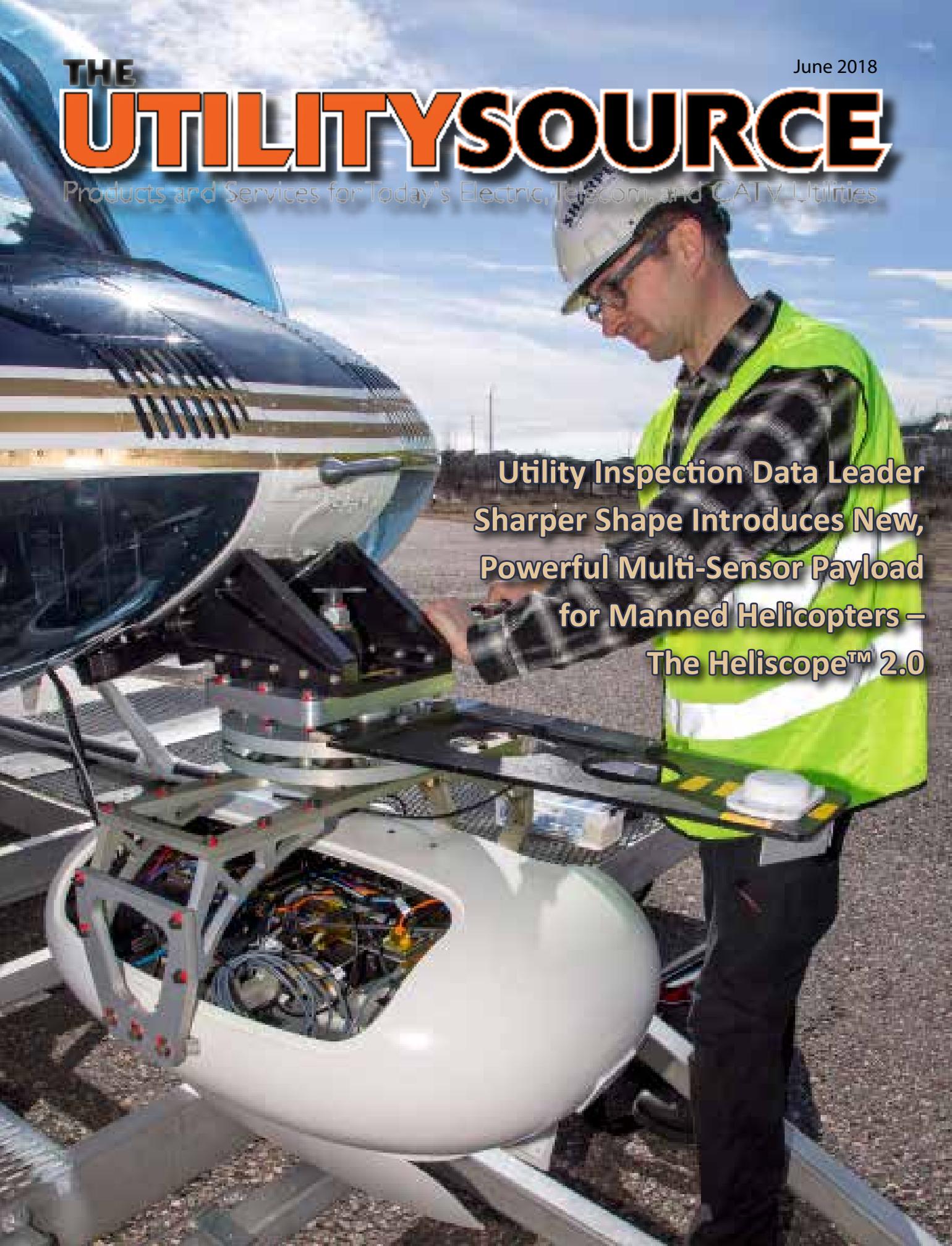


June 2018

THE UTILITYSOURCE

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



Utility Inspection Data Leader
Sharper Shape Introduces New,
Powerful Multi-Sensor Payload
for Manned Helicopters –
The Heliscope™ 2.0

DRIVEN TO DELIVER

THE CONSOLE X



- Clean up those cabs and get your fleet organized!

Your Total Mobile Office Solution

The Truck Console-X combines your Laptop Work Station, Radios, Speakers, Cables, Storage and Cup Holders. No Drill Installation Brackets included.

The Truck Console-X is the latest innovative mobile office solution to join the Mobile Desk brand family of products. This complete control, communication and convenience Utility Truck Console is becoming the new standard for fleets of all sizes. The design of the Truck Console-X has originated from our years of experience working directly with the lineman, supervisors, communicators, and fleets of some of the most notable utility companies in America. Loaded with standard and optional features that maximize ergonomics, productivity, and fleet/telecom standards into one Mobile Office Solution.

Screen Out SCREEN-DISABLER™

Blanks your screen while you drive!

Our Patented Screen Out App **Stops texting** while driving for all employees on all tablets, laptops and smart phones that run Windows, iOS or Android Operating Systems. **It's that easy!**

877-663-3375 Ext 303. www.screenout.net

Find us on:



1-877-663-3375
www.mobiledesk.com

PIONEER OF TOMORROW'S INNOVATIONS.

Solutions for electric utilities focusing on power delivery systems

History speaks for itself. Terex Utilities has a legacy of innovative solutions that have changed the industry — from the first hydraulic digger carrier to our recent launch of the Terex® Load Alert™ system. We provide game-changing solutions that work for our customers and plan to continue working the same Terex® "Works for You" by listening and taking action. We are here to help solve your challenges and provide innovative, high-quality products and services that fit your needs.

www.terex.com/utilities



TEREX

WORKS FOR YOU.™

PG 4	Industry News
PG 6	Ruselectric Emergency Power System Offers Redundant PLC Controls and Manual Backup Capability
PG 10	Night Tech Gear Introduces Night Shift Shoe Lights Which Light Up Workplace Safety
PG 16	Utility Inspection Data Leader Sharper Shape Introduces New, Powerful Multi-Sensor Payload for Manned Helicopters – The Heliscope™ 2.0
PG 24	The Next Breakthrough Is Here: The M18 FUEL™ Chainsaw Makes Up to 25 Cuts in Utility Pole
PG 28	WEATHER GUARD® Introduces New Defender Series™
PG 30	New Keystone Cat6A Jack from Platinum Tools Now Available; Featured During 2018 InfoComm
PG 32	Klein® Tools Helps Keep Essential Items Handy with New Datacom Installation Kits
PG 34	New Product News
PG 36	Ad Index

NATIONAL SALES
MANAGER Hank Underwood
205-624-2183
george@handfmedia.net

EDITOR Annie Galey
annie@handfmedia.net

CONTRIBUTING EDITOR Brandon Greenhill
brandon@tipsmag.net

CREATIVE/WEB DIRECTOR Jacklyn Greenhill
jacklyn@handfmedia.net

ADMINISTRATIVE
DIRECTOR Steven Hobson
steven@handfmedia.net

CEO
Christy Hobson

PRESIDENT
Glen Hobson



Executive and Advertising Offices

PO Box 1568

Pelham, AL 35124

phone: 205-441-5591 fax: 205-624-2185

www.theutilitysource.net

glen@handfmedia.net

The Utility Source™ is published twelve times a year on a monthly basis by CJS Media, Inc. The Utility Source™ is distributed free to qualified subscribers. Non-qualified subscription rates are \$57.00 per year in the U.S. and Canada and \$84.00 per year for foreign subscribers (surface mail). U.S. Postage paid at Birmingham, Alabama and additional mailing offices.

The Utility Source™ is distributed to Power, Telcom and CATV Utilities and Utility Contractors throughout the USA. Publisher is not liable for all content (including editorial and illustrations provided by advertisers) of advertisements published and does not accept responsibility for any claims made against the publisher. It is the advertiser's or agency's responsibility to obtain appropriate releases on any item or individuals pictured in an advertisement. Reproduction of this magazine in whole or in part is prohibited without prior written permission from the publisher.

POSTMASTER: Send address changes to
CJS Media, P.O. Box 1568
Pelham, AL 35124
PRINTED IN THE USA

Get Cool!



Extend transformer life!

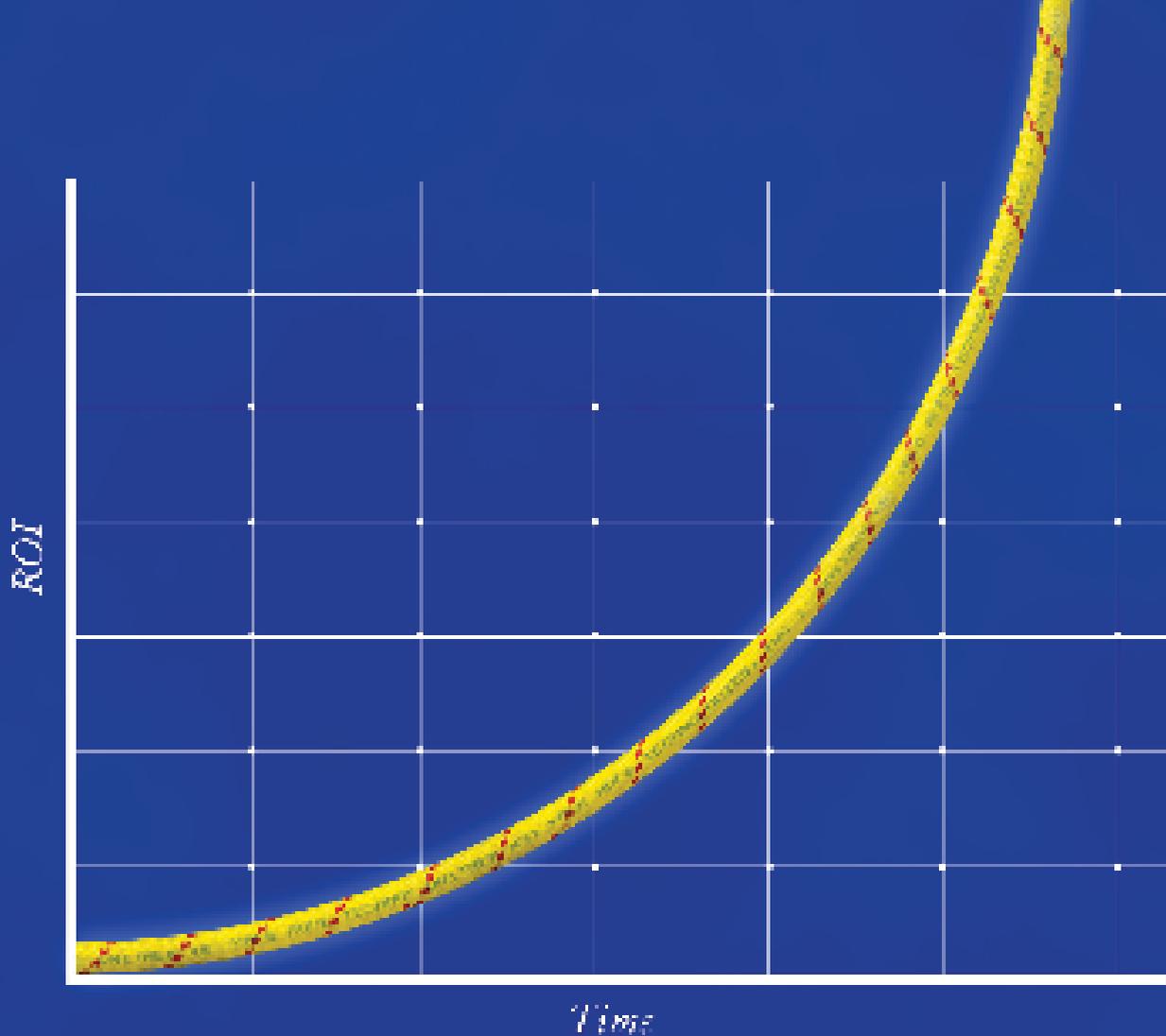
Increase transformer capacity up to 166%!

- expert technical assistance
- low sound levels
- energy-efficient motors
- large inventory
- one-piece cast aluminum blades
- galvanized or stainless steel guards





quality engineered, performance tested



Unitrex XS¹ Max Wear. Unmatched performance in the field and in the boardroom.

Electric line stringing is easier and more economical with Unitrex[®]. Made with a core of Honeywell Spectra[®], it is up to 10 times lighter than steel, while delivering comparable strength. The urethane-coated polyester jacket provides excellent abrasion resistance for great productivity that lasts.

To learn more, visit www.yalecordage.com

YALE CORDAGE
Performance. Proven. Proven. Proven.

22 Industrial Park Road | York, Maine 04069 | p: (207) 737-3380 f: (207) 737-4020

Bureau Veritas Announces Craig Nicholson as Power & Utilities Vice President

Bureau Veritas, a leader in next generation testing inspection and certification (TIC) services, has announced the addition of Craig Nicholson as power and utilities vice president, in the company’s U.S. operations. Nicholson joins the team as part of the company’s overarching strategy to grow its brand footprint in the power and utilities sector through targeted M&A, new product development and capital investments.

Bureau Veritas helps companies in the power generation, transmission and distribution sectors preserve safety, monitor reliability and integrity of assets, and conform to regulatory and voluntary Quality, Health, Safety and Environment (QHSE) standards. It provides unique services to companies generating power from all sources, from fossil fuel to nuclear, wind, solar and hydro-power and helps ensure they enhance their production capability while driving improved business level outcomes from TIC services throughout the asset lifecycle.

A power industry veteran, Craig joins Bureau Veritas from GE and Alstom where he spent more than 20 years progressing from lead gas turbine commissioning engineer to the general manager leading the thermal services rotating equipment business in Canada, as well as managing businesses on a global scale.

MSA Safety Elects Nishan J. Vartanian to President & Chief Executive Officer

The Board of Directors of global safety equipment manufacturer MSA Safety (NYSE: MSA) today elected Nishan J. Vartanian to the position of President and Chief Executive Officer of the company, and William M. Lambert to the position of nonexecutive Chairman. Mr. Vartanian’s election is part of a planned management succession the company announced in December 2017. Mr. Lambert, who will retire from MSA as an active full-time employee at the end of this month, has served as MSA’s CEO since 2008 and Chairman since 2015. Mr. Vartanian, 58, is the ninth CEO of the 104-year-old Pittsburgh-based company and most recently served MSA as President and Chief Operating Officer.

“I want to congratulate Nish on his election to CEO,” Mr. Lambert said. “Nish is a proven leader who is ideally suited to lead MSA into its second century of business. In addition to having the experience necessary for this role, Nish possesses great strategic vision, a growth-focused mindset, and the communication and leadership skills that I know will inspire and motivate our associates to achieve great things,” he said. “I am also honored the Directors of MSA have expressed confidence in my ability to continue to serve the company in a new, non-executive capacity.”

www.MSAsafety.com

Material Handling Equipment

Your One Source For All Your Material Handling Needs

- Storage Products (Steel Cabinets, Shelving & Lockers)
- Loading Dock Equipment
- Conveyors
- Pallet Racks
- Mezzanines
- Carts & Trucks
- Containers & Bins
- Safety Equipment
- Drum Handling Equipment
- Hoppers
- Wire Partitions
- Lift Tables
- In-Plant Buildings
- Cranes (Jib & Bridge)
- Hoists & Trolleys



1-800-239-3434



WAREHOUSE EQUIPMENT AND SUPPLY CO.®

116 West Park Drive • P.O. Box 19808
Birmingham, AL 35219
Email: sales@warehouseequipment.com
Web: www.warehouseequipment.com

Ruselectric Emergency Power System Offers Redundant PLC Controls and Manual Backup Capability



Reliable paralleling switchgear ideal for emergency backup power

Ruselectric, a leading manufacturer of automatic transfer switches and power control systems offers its robust and reliable Emergency Power System which provides backup power during a utility power loss. The paralleling switchgear systems offer redundant programmable logic controller (PLC) controls and manual backup capability. Trusted by the largest critical facilities in the world, the Ruselectric Emergency Power System has been used by hospitals, data centers, telecommunications and banking facilities, as well as airports, water and waste water, and renewable energy facilities.

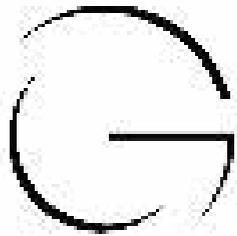
Complete systems are custom designed and fully manufactured by Ruselectric. All systems are UL listed and can incorporate such sophisticated control functions as peak shaving and load curtailment. Ruselectric paralleling systems incorporate dual, redundant, hot synchronized PLCs for system control. The unique system design allows manual start and synchronization of generator sets if automatic controls malfunction. Discrete switches, meters and control devices are standard to allow manual control capability in the event that both system PLCs fail.

Designed for maximum safety and operating simplicity, the systems are supervisory control and data acquisition (SCADA)-capable. A 23-inch LCD HMI touchscreen display enables operators to view system one-line diagrams, alarms, and setpoints.

Load demand sensing determines the number of engine generators in operation based on the loading. The system permits first priority loads to transfer to the connected engine generator set, while delaying the transfer of lower priority loads until additional generator capacity has been connected. Lower priority loads then transfer to the emergency power system as generator sets are added to the bus.

For more information contact us at info@ruselectric.com or 800 225-5250.

www.ruselectric.com •



GOLIGHT

Revolutionary Lighting Solutions



Durable... Versatile... Powerful... GUARANTEED



When the job gets tough, our men need reliable illumination to show them their way and march in spite of elements to get some critical work done. More often than not, that means battling wind, rain, snow and ice and doing so in the dark. In those conditions, light that can be dramatically directed where it is needed, when it is needed is an essential tool for safety and productivity. In both emergency situations and day-to-day operations, Golight has proven to be a vital tool in extending work hours and increasing productivity. Golight has been a partner to the men and women who keep our lights on for almost 20 years and we are committed to seeing that relationship grow and develop.



KOOLERS... BANDANNAS... DECALS . Send an email to meda@golight.com and let us know you saw our ad in "THE UTILITIES SOURCE" and we will send you some Linean branded merchandise.



MECHANICAL TRIMMER



RAYCO EXCLUSIVE FEATURES

- Compact, non-articulated design
- 3-mode steering, (front axle, 4-wheel, and crab steer)
- Machine leveling
- Comfortable operator cabin



CALL - 800.392.2686

VISIT - RAYCOMFG.COM



Get a Quote

sales@dicausa.com • 800.610.3422
Guthrie Center, IA

See DICAUSA.COM for full product details



Engineered Outrigger Pads to Help You Setup Safe

Get Unbreakable Strength • Save Time & Money • Protect Your Operators



DICA Outrigger Pads are Trusted by Operators in 40+ Countries around the World.



BARNHART

ALL



CRANE SERVICE INC.

Kiewit



DICA Outrigger Pads are the Total Package!

Mike Wisnom, NASA Contractor

FAMILY OWNED & OPERATED • CELEBRATING 30 YEARS



Night Tech Gear Introduces Night Shift Shoe Lights Which Light Up Workplace Safety

Industrial Shoe Lights Provide a Halo of Protection to Prevent Workplace Falls and Accidents

Night Tech Gear, creators of the world's first industrial shoe lighting system, today announced the launch of Night Shift Shoe Lights. The Night Shift Shoe Lights are the latest addition to the Night Tech Gear product line, designed to help workers identify potential hazards and reduce workplace falls. Night Shift Shoe Lights are worn on shoes or boots and are for the rigors of industrial use. They provide hands-free lighting in low-light work environments with 400 lumens of LED lights that deliver 90 meters of forward beam and visibility from all sides to prevent workplace accidents, lost productivity and employer liability.

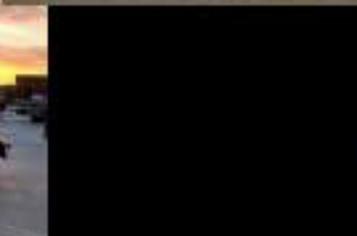
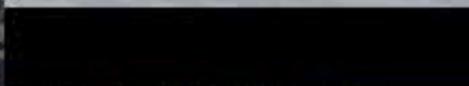
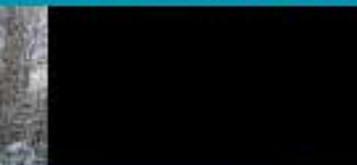
Nightshift workers make up 20 percent of all U.S. workers, laboring in low-light conditions making them highly susceptible to trip and fall accidents. Night Shift Shoe Lights provide hands-free personal safety lighting to keep workers safe, injury-free and productive while they perform mission-critical tasks. Night Shift is

OSHA compliant and enhances any work environment, reducing accidents and corporate liability. Designed for construction, transit, industrial, delivery, mining and countless other industries, Night Shift Shoe Lights have no headbands, belts, or straps, and doesn't get in the way of other equipment leaving the workers hands free to safely do their job.

"After 35 years in the construction industry, I know safety is of paramount importance, and Night Shift Shoe Lights help protect those in the workplace from falls and collisions due to dark working conditions," said Doug Storer, CEO and Founder of Night Tech Gear. "Costs associated with workplace fall incidents have been estimated at \$70 billion annually, so investing in the personal, user-friendly lighting system is an economical way to maximize a safe work environment and minimize liability."

EZ TRAC

HYDRAULIC AWD



EZ Trac Hydraulic AWD is YOUR Truck's Best AWD Option

- Does not raise ride height
 - Better ingress/egress
 - Easy access to bins & tools (Less chance of injury)
- Increased driver visibility
- Lower center of gravity - Lessens chance of rollover
- Tighter turning radius - Useful for tight or narrow, winding roadways
- Can be used year-round, on and off the highway
- Novice operators CANNOT engage outside of operating limits
- No transfer case required with EZ Trac AWD
 - Lower maintenance costs compared to mechanical
 - 800 to 1,000 pounds less than mechanical
- Can be retrofitted onto existing truck
- Fastest lead time for AWD in the industry
 - Available for immediate order & install



Let **EZ TRAC** Take Your Truck to **NEW PLACES**, **NOT** New Heights

(844) 289-3987 • www.EZTRACAWD.com • eztracinfo@tdsdrive.com

WE HAVE THE ROPE TO GET THE JOB DONE.



The Night Shift Shoe Lights feature a patented, proprietary technology that includes two ultra-light shoe lights illuminating the space ahead of the worker, while rear-facing lights keep the wearer visible to other workers or vehicles from all angles. The fortified, high-impact resistant case is water and dust resistant and mounted on an ultra-secure adjustable shoelace-clip. At just 2.4 ounces each, Night Shift Shoe Lights are easily and unobtrusively clipped on the user's shoe or boot. Designed to provide safe lighting for workers through their whole shift, the Night Shift Shoe Lights come with a rechargeable battery pack that lasts up to 10 hours and can be replaced with an additional battery pack for extra-long use. Night Tech Gear guarantees performance and durability and is backed with a one-year manufacturer warranty against defects.

For more information about Night Shift Shoe Lights or other Night Tech Gear products, please visit: www.NightTechGear.com.



About Night Tech Gear (NTG)

Night Tech Gear (NTG) is an innovative safety technology solutions company for work and play. They are the designer and manufacturer of the patented, Night Runner, Night Trek and Night Shift Shoe Lights. Since 2015, NTG safety products have been sold in 50 countries and have been featured on Shark Tank, Forbes, Good Morning America and The Today Show.

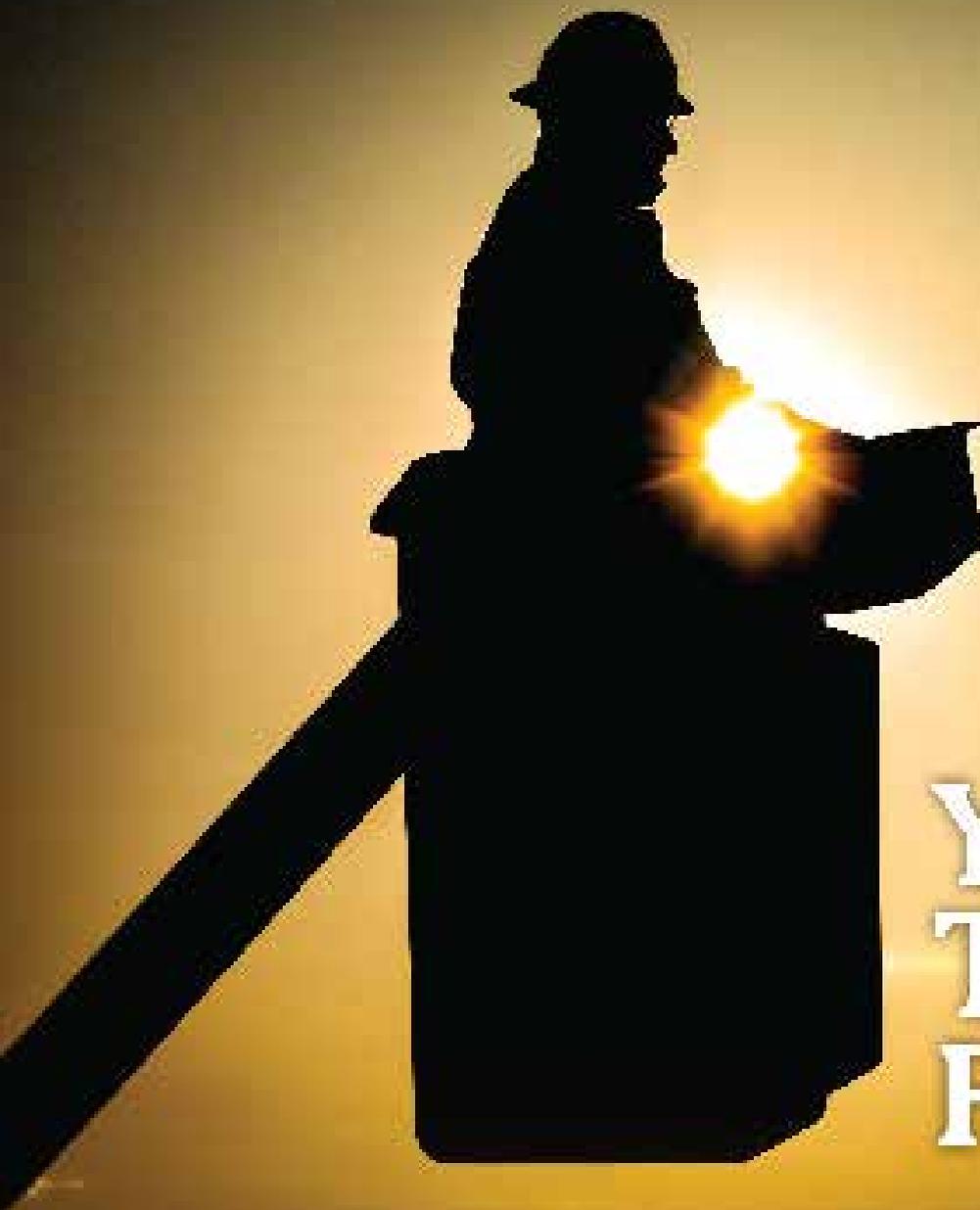
www.NightTechGear.com •



Buccaneer Rope
COMPANY

800-358-767

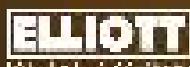
www.bucrope.com



Your Trusted Partner.

Partnering with Ring Power gives you access to a vast range of jobsite-tough products to round out your fleet. Ring Power carries machines from dozens of manufacturers to ensure you always have access to the right tools for your job.

Short-term, long-term or rental-purchase options available.



1-844-766-RENT • Utility.RingPower.com

Rugged Dependability

STANDARD IN EVERY MACHINE WE BUILD!

Hogg & Davis has been proudly
manufacturing utility line equipment
for more than half a century.



Our trusted products are part
of the fleets and tool cribs of
nearly every investor-owned
power and communications
company in the United States
and Beyond.



HOGG & DAVIS, Inc.

HOGG & DAVIS, INC.

3800 EAGLE LOOP • ODELL, OR 97044

TEL 541.354.1001 • FAX 541.354.1080

WWW.HOGGDAVIS.COM



You need more than just equipment.
You need a safety solution.

You work hard and have the courage and commitment to take on the biggest challenges. The job can be dangerous and we know you depend on not just your equipment, but on a company offering complete solutions including safety evaluations, products selection, training, and expertise. A customer-focused company that has your back and gives you the confidence to do your job safely— **MSA is that company.**

To learn more about MSA's complete line of safety solutions or request a FREE, no obligation safety evaluation, visit [MSAsafety.com/safetyevaluation](https://www.MSA.com/safetyevaluation).

WE KNOW WHAT'S AT STAKE.

MSA
The Safety Company



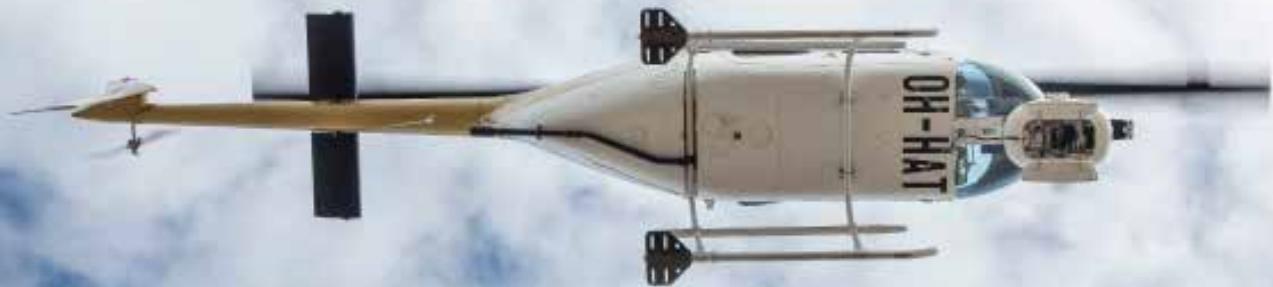


Utility Inspection Data Leader
Sharper Shape introduces new,
powerful multi-sensor payload
for manned helicopters –
The Heliscope™ 2.0

Sharper Shape's Heliscope™ 2.0 launches a new generation of on-board data collection technology that brings unprecedented speed, efficiency, and productivity improvements to the utility inspection industry

Sharper Shape, a leading provider of unmanned aerial utility inspection solutions, announced the global release of its latest product, the Heliscope™ 2.0. This new, on-board payload system expands the company's aerial sensing portfolio into the manned helicopter industry. The Heliscope™ 2.0 integrates multiple sensor systems into a single, lightweight helicopter payload, capable of simultaneously collecting a range of data types required for utility maintenance and vegetation management inspections. Deployment of the Heliscope™ 2.0 enables optimized inspection and maintenance schedules, offering potential cost savings in those operational activities by as much as 50 percent.

The Heliscope™ 2.0 also stands out with its flexible mounting configurations and ability to adapt for mounting on many different helicopter types. For example, the system can be mounted on most Bell Jet/Long Ranger helicopters using its FAA-approved nose mount or attached to numerous other typical helicopter models using its unique Glider aerodynamic sled. The U.S. Federal Aviation Administration (FAA) permits mounting the Heliscope 2.0 to helicopters by simply using the cargo hook found on many helicopter models; this user-friendly method is approved by FAA under a classification for Gliders.



“While drones are a very flexible and safe method for performing utility inspections, there are situations where manned helicopters are the preferred vehicle to host sensors during certain utility inspections,” said Mikko Saarisalo, Sharper Shape’s VP of Drones and project lead for the Heliscope™ 2.0 project. “The new Heliscope™ 2.0 provides a solution for those situations where we need to operate over greater distances or in harsher environments than the drones can easily accommodate. This system takes our data harvesting efficiency and productivity up to a level unprecedented in the industry.”

Field data management is greatly simplified by the Heliscope™ 2.0 because it sends a consolidated data stream to its one removeable Solid State Drive. The Heliscope™ 2.0 integrates seamlessly with the Sharper Shape’s Cloud Optimized Remote Evaluation (CORE) processing software, which incorporates many automated tools that extract information with unprecedented efficiency. CORE includes algorithms to

automatically analyze LiDAR point clouds and quickly generate utility vegetation management reports. Further, its unique Automatic Issue Detection (AID) machine vision software uses artificial intelligence (AI) to eliminate the daunting task of performing frame-by-frame image data inspection, allowing personnel to focus on other aspects of inspection compliance.

CORE applications work equally well with either Sharper Shape’s proven unmanned aerial inspection services, or with the new Heliscope™ 2.0 manned aircraft solution. According to Sharper Shape’s CEO Ilkka Hiidenheimo: “The fact that the Heliscope™ 2.0 integrates fully with our CORE software suite is a huge benefit. We can collect all the key inspection assets and measurements in one high-speed pass, and then easily pass these files to our CORE suite for automatic processing. Sharper Shape is the only company on the market that offers this range of options for collecting aerial data and for processing this data automatically into a wide range of digital report formats.”

THINK™

DESIGN SOLUTIONS

... with i-Clamps - Wire Connectors



One-Way Series
for splicing several
lines together



Two-Way Series
uniquely designed for
pre-assembly to add
fixtures or components
to existing wiring



T-Series
for branching off
a common wire run



LISTED
E490522,
E490623

- IDC (Insulation Displacement Connectors) • Easy to use • Quick and reliable connections
- Tamper Proof • Designed to withstand shock and vibration • Housing made from durable Polycarbonate • Tin-plated, High Performance, copper alloy contacts
- For use with 10-22 AWG insulated wires

IT'S WHAT'S ON THE INSIDE THAT COUNTS

KEYSTONE®

ELECTRONICS CORP.

www.keyelco.com • (516) 328-7500 • (800) 221-5510



REQUEST CATALOG M85

The Heliscope™ 2.0 system is now available for immediate contract services in the U.S., South America, and Europe.

About Sharper Shape

Sharper Shape is the global leader in automated aerial utility inspection services. The company has U.S. offices in North Dakota and Maryland, as well as an international research and development facility near Helsinki, Finland. The company's full stack of unmanned aircraft, sensor systems, and software services have now been augmented with the Heliscope™ 2.0 advanced manned aircraft data collection system. All Sharper Shape's products and

services have been specifically developed to meet the needs of the electric transmission and distribution industry. Sharper Shape's Consolidated Linear Inspection service, Cloud Optimized Remote Evaluation software, Automatic Detailed Inspection service, and now the new Heliscope™ 2.0 deliver unrivaled inspection speed and cost effectiveness for electric utility customers.

www.sharpershape.com •



Cut Strip Terminate Test

**Monitors
Live
Circuits**



TFT100



See beyond the Circuit Breaker

Fault Trapper™

Stop guessing about live circuit issues!

For the first time, gives electricians the ability to monitor and locate faults on a live circuit. Detects, locates the exact location of the fault and the circuit breaker tripped.



- Open circuits and arc faults on live conductors detected
- Detects 3 to 40A
- Triped line and which line fault occurred

Displays location and displays information that you will need to fix the fault. Allows immediate monitoring or escape if trouble occurs.

ProStrip

Wire Strippers

These professional wire strippers deliver performance, comfort and consistent, reliable results. The built-in ratchet allows for high leverage — without extra handles or both sides.

- Precision ground strip rest
- Ground chisel blades on 15-32 & 32-60 AWG
- Safety slip-resistant grip for ultimate performance

150000 ProStrip 10/20 AWG #12-22 stranded

150000 ProStrip 10/30 AWG #14-18 stranded

New! HPH J-Hooks

High Performance Hybrid

- Reinforced polypropylene construction for long-lasting value
- Non-Slip Grip Release for easy installation
- Space-saving 1" depth for 1" depth 20, 24, 28, 32, 36, 40, 48, 50, 56, 60, 64, 72, 76, 80, 84, 96, 108, 120, 144, 168, 192, 216, 240, 264, 288, 312, 336, 360, 384, 408, 432, 456, 480, 504, 528, 552, 576, 600, 624, 648, 672, 696, 720, 744, 768, 792, 816, 840, 864, 888, 912, 936, 960, 984, 1008, 1032, 1056, 1080, 1104, 1128, 1152, 1176, 1200, 1224, 1248, 1272, 1296, 1320, 1344, 1368, 1392, 1416, 1440, 1464, 1488, 1512, 1536, 1560, 1584, 1608, 1632, 1656, 1680, 1704, 1728, 1752, 1776, 1800, 1824, 1848, 1872, 1896, 1920, 1944, 1968, 1992, 2016, 2040, 2064, 2088, 2112, 2136, 2160, 2184, 2208, 2232, 2256, 2280, 2304, 2328, 2352, 2376, 2400, 2424, 2448, 2472, 2496, 2520, 2544, 2568, 2592, 2616, 2640, 2664, 2688, 2712, 2736, 2760, 2784, 2808, 2832, 2856, 2880, 2904, 2928, 2952, 2976, 3000, 3024, 3048, 3072, 3096, 3120, 3144, 3168, 3192, 3216, 3240, 3264, 3288, 3312, 3336, 3360, 3384, 3408, 3432, 3456, 3480, 3504, 3528, 3552, 3576, 3600, 3624, 3648, 3672, 3696, 3720, 3744, 3768, 3792, 3816, 3840, 3864, 3888, 3912, 3936, 3960, 3984, 4008, 4032, 4056, 4080, 4104, 4128, 4152, 4176, 4200, 4224, 4248, 4272, 4296, 4320, 4344, 4368, 4392, 4416, 4440, 4464, 4488, 4512, 4536, 4560, 4584, 4608, 4632, 4656, 4680, 4704, 4728, 4752, 4776, 4800, 4824, 4848, 4872, 4896, 4920, 4944, 4968, 4992, 5016, 5040, 5064, 5088, 5112, 5136, 5160, 5184, 5208, 5232, 5256, 5280, 5304, 5328, 5352, 5376, 5400, 5424, 5448, 5472, 5496, 5520, 5544, 5568, 5592, 5616, 5640, 5664, 5688, 5712, 5736, 5760, 5784, 5808, 5832, 5856, 5880, 5904, 5928, 5952, 5976, 6000, 6024, 6048, 6072, 6096, 6120, 6144, 6168, 6192, 6216, 6240, 6264, 6288, 6312, 6336, 6360, 6384, 6408, 6432, 6456, 6480, 6504, 6528, 6552, 6576, 6600, 6624, 6648, 6672, 6696, 6720, 6744, 6768, 6792, 6816, 6840, 6864, 6888, 6912, 6936, 6960, 6984, 7008, 7032, 7056, 7080, 7104, 7128, 7152, 7176, 7200, 7224, 7248, 7272, 7296, 7320, 7344, 7368, 7392, 7416, 7440, 7464, 7488, 7512, 7536, 7560, 7584, 7608, 7632, 7656, 7680, 7704, 7728, 7752, 7776, 7800, 7824, 7848, 7872, 7896, 7920, 7944, 7968, 7992, 8016, 8040, 8064, 8088, 8112, 8136, 8160, 8184, 8208, 8232, 8256, 8280, 8304, 8328, 8352, 8376, 8400, 8424, 8448, 8472, 8496, 8520, 8544, 8568, 8592, 8616, 8640, 8664, 8688, 8712, 8736, 8760, 8784, 8808, 8832, 8856, 8880, 8904, 8928, 8952, 8976, 9000, 9024, 9048, 9072, 9096, 9120, 9144, 9168, 9192, 9216, 9240, 9264, 9288, 9312, 9336, 9360, 9384, 9408, 9432, 9456, 9480, 9504, 9528, 9552, 9576, 9600, 9624, 9648, 9672, 9696, 9720, 9744, 9768, 9792, 9816, 9840, 9864, 9888, 9912, 9936, 9960, 9984, 10000
- Durable, 20 degree hybrid, flexibility
- Self-adjusting
- Multi-Strip Installation
- Permanent

Table Management for Maximum installs

Find it all now, easy access to the Platinum Tools related products, connectors and testers, including wire strippers and pliers. FT-1000-1047586 & more.

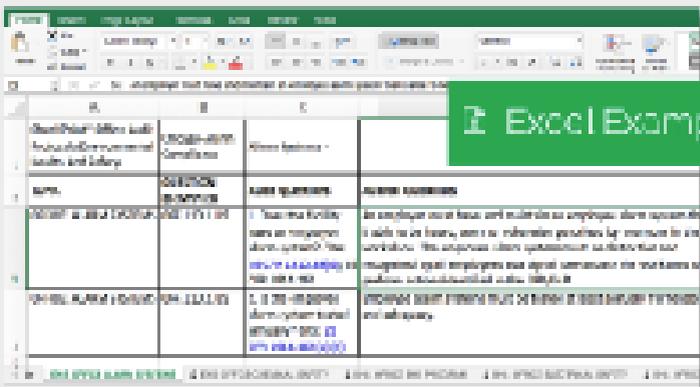


Platinum Tools is a leading provider of the first choice for installers that don't cut corners and don't. 800-999-2737 www.platinumtools.com



Too **many** sites? Too **hard** to coordinate? Too **costly** to send auditors?
Having **difficulty comparing results** across the locations you have inspected?

If you said **yes** to any of these questions, how can you be sure that those sites are in compliance with your Global EHS compliance and risk programs?



Excel Example

A	B	C	D
Question ID	Audit Question	Answer	Comments
Q00001	Is the workplace free from occupational hazards such as slip, trip and fall?	Yes	
Q00002	Are all employees trained on safety procedures?	Yes	

HTML Example

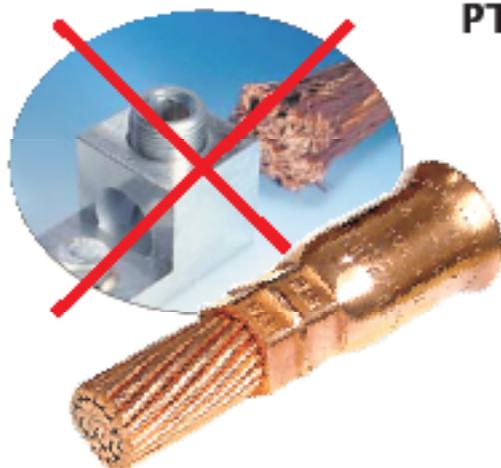
Question ID	Audit Question	Answer	Comments
Q00001	Is the workplace free from occupational hazards such as slip, trip and fall?	Yes	
Q00002	Are all employees trained on safety procedures?	Yes	

Learn More by Visiting

www.regscan.com/products/icomply

When the cable doesn't fit, and you need a solution... **FAST**

GO TO THE GREAVES ADAPTER ZONE!



PT-FX Shoo-Pin™ Compression Adapters

- All-copper compression adapters
- Allows reliable termination of highly stranded flexible copper cable into mechanical lugs
- Used in locomotive, mining, marine, and machinery applications
- Fits into mechanical set-screw type connectors in panels, transformers and machinery
- Features revolutionary Shoo-in™ barrel-opening design for easy cable insertion
- Fabricated of wrought copper with pin of Class B copper conductor
- Insulating covers are provided



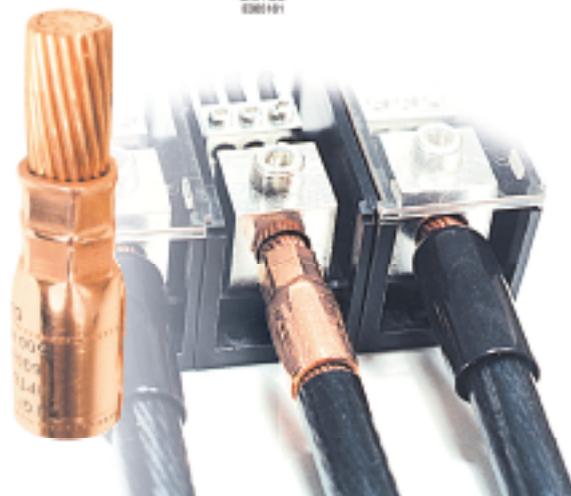
For Copper
Cable Only

PT-R Reducer™ Cable Reducing Adapters

- All-copper compression adapters
- Use where cable is oversized to reduce voltage drop on long runs
- Use fit existing C/B, transformer, or other gear lugs
- For Class B 'building wire' cable stranding only
- Fits into mechanical set-screw type connectors in panels, transformers and machinery
- Fabricated of wrought copper barrel with pin of Class B copper conductor
- Insulating covers provided



For Copper
Cable Only



GREAVES

www.greaves-usa.com • 1-800-243-1130

The Next Breakthrough Is Here: The M18 FUEL™ Chainsaw Makes Up to 25 Cuts in Utility Pole



Unwavering in their dedication to delivering productivity-enhancing solutions that provide the right blend of power, run-time, and performance, Milwaukee Tool is proud to announce the next breakthrough in M18 FUEL™. The M18 FUEL™ 16" Chainsaw has the power to cut hardwoods, cuts faster than gas**, and delivers up to 25 cuts in utility pole – providing more work-per-charge than any other cordless chainsaw available today.

“One of the most frequently requested tools by our users has been a Milwaukee® chainsaw. Unwilling to settle on subpar performance, we continued to advance our cordless technologies until we could provide a solution that truly delivers game-changing power and run-time that outperforms small gas engines and higher voltage systems,” said Andrew Lentz, Senior Product Manager for Milwaukee Tool. “Through a ground-up redesign of our electronics, to the manufacture of a powerful new motor and a brand-new powerhouse – the M18™ REDLITHIUM™ HIGH OUTPUT™ HD12.0 Battery— our new M18 FUEL™ 16" Chainsaw was born.”



Milwaukee® created a brand-new POWER-STATE™ Brushless Motor for this chainsaw, which sustains power and speed through tough applications without bogging down. Milwaukee® also redesigned from the ground-up the REDLINK PLUS™ Intelligence featured in this tool, utilizing electronics never used before in power tools. This newly designed REDLINK PLUS™ Intelligence package ensures maximum performance of the tool under load and protects against overload and overheat. This electronics package also allows the chainsaw to achieve instantaneous throttle response, reaching full speed in under a second.

When equipped with Milwaukee’s new M18 FUEL™ REDLITHIUM™ HIGH OUTPUT™ HD12.0 Battery, the chainsaw can power through up to 25 cuts in utility pole on one charge. This eliminates the hassle of switching out battery packs multiple times during the day. The new HIGH OUTPUT™ HD12.0 Battery provides 50% more power, runs 50% cooler, and delivers 33% more run-time than the M18™ REDLITHIUM™ HD9.0 Battery. In conjunction with REDLINK PLUS™ Intelligence and the POWERSTATE™

Brushless Motor, the HIGH OUTPUT™ Battery allows users to push the chainsaw hard and work all day – delivering more work-per-charge than any other professional power tool system.

True to Milwaukee's "Nothing But Heavy Duty" promise, the chainsaw's robust, high-strength all-metal gearing and gear case deliver best-in-class torque and allow it to complete the most demanding applications including cuts in hardwoods.

Milwaukee® is committed to improving productivity by providing performance-driven and trade-focused solutions so users can perform an entire day's work on one battery system. The new M18 FUEL™ 16" Chainsaw is fully compatible with the entire M18™ line, now offering more than 150 power tool products, and is a true testament to Milwaukee's focus on investing in game-changing technology that truly delivers breakthrough solutions for users.

* M18 FUEL™ is engineered for the most demanding tradesmen in the world. Delivering unrivaled performance, all M18 FUEL™ products feature three Milwaukee®-exclusive innovations—The POWERSTATE™ Brushless Motor, REDLITHIUM™ Battery Pack and REDLINK PLUS™ Intelligence Hardware and Software—that deliver unmatched power, run-time and durability on the jobsite. Simply put, M18 FUEL™ tools are the most powerful 18V cordless tools in their class.

** When compared to 40cc gas units

Specifications

M18 FUEL™ 16" Chainsaw® (2727-21HD)

- 16" Oregon Bar & Chain
- Speed: 6,600 RPM
- Length: 33"
- Chain Gauge: .043"
- Chain Pitch: 3/8" Low Profile
- Oiler: Automatic
- Dual Stud for improved bar and chain retention
- Variable Speed Trigger
- Weight: 13.9 lbs w/battery
- 3 year warranty



Includes M18 FUEL™ 16" Chainsaw, M18™ REDLITHIUM™ HIGH OUTPUT™ HD12.0 Battery, Rapid Charger, 16" Oregon bar and chain, and Scrench.

www.milwaukeetool.com •

WE'VE GOT YOU COVERED



PLATINUM WHEN YOU WORK. IT WORKS.

No other brand on the market will work harder to preserve your vision and protect your eyes, while providing ultimate fit and comfort. CSP technology's ability to perform in indoor to outdoor environments and in hot to cold conditions is combined with the exclusive PLATINUM[®] coating to substantially combat fogging and provide permanent visual comfort from a single pair of glasses.

800 262 7306
bollesafety-usa.com

bolle
SAFETY

WEATHER GUARD® Introduces New Defender Series™



Affordable Truck Box Solutions with Professional Grade Protection

WEATHER GUARD®, a manufacturing leader in truck and van storage equipment, today introduced the WEATHER GUARD® Defender Series™, the latest in affordable truck box solutions designed specifically for professional level protection. Compatible with any storage need, the WEATHER GUARD® Defender Series™ is now available with more than 20 products across five categories, including Saddle and Cross Boxes, All-Purpose Chests, Lo-Side and Hi-Side boxes.

“The Defender Series™ is a welcome addition to our existing line of truck box solutions,” said Jeff Kotz, Senior Product Manager at WEATHER GUARD®. “The WEATHER GUARD® brand is known for its heavy-duty security and professional durability and with the new Defender Series™ line, now there is a WEATHER GUARD® for every truck and user out there.”

With four piece welded construction and C-channel reinforced lid for professional durability, the WEATHER GUARD® Defender Series™ provides professional features, at the right price. The new products offer heavy-duty security including push button locks, a reinforced front panel and two dual stage rotary latches with looped strikers. Additional product highlights include:

- **Multiple Styles:** Affordable truck box solutions available in different styles including: Saddle and Cross Boxes, All-Purpose Chests, Low-Profile, Lo-Side and Hi-Side Boxes.
- **Multiple Colors:** Available in Clear Aluminum and Gloss Black powder coat protection.
- **Weather Resistance:** Defender Series™ truck boxes feature a D-shaped ribbed weather strip and foam along the hinge to offer 4-sided weather resistance, keeping tools protected from the elements.
- **Heavy-Duty Security:** The new series features tamper resistant push button locks, preventing theft and allowing ease of access for the user. The rigid reinforced front panel helps deter break-ins by preventing thieves from prying into the box.
- **Gas Strut Support and Sleeves:** The dual dynamic gas strut supported lid makes for easier access and the plastic sleeve prevents damage from moving materials.
- **Plastic Storage Tray:** Most of the WEATHER GUARD® Defender Series™ products come with an included plastic storage tray to organize smaller tools and accessories.
- **No-Drill Mounting Kit*:** The mounting kit requires no drilling during installation, making the process quick and stress-free.
- **7 Year Warranty**

The WEATHER GUARD® Defender Series™ provides the professional grade durability, security and weather resistance the brand is known for at a more affordable price. The Defender Series™ now offers a WEATHER GUARD® truck box for everyone. For more information on the Defender Series™, please visit www.weather-guard.com/defender

**7 YEAR
WARRANTY**



40 CAL/CM² ULTRALIGHT by OTEX

37% LIGHTER THAN TRADITIONAL HRC4



V12 VENTILATION UNIT (OPTIONAL)

SPECS

Airflow: 35+ CFM
Battery Life: 6+ Hours
Added Weight: <1 lb
Durable Kydex Encasement
Completely covered by AR Fabric
Compliant: NFPA 70E, ASTM 1506-08, + OSHA 1910.269

Miller Safety Consultants, LTD
P.O. Box 386
Manassas, VA 20108
Tel: (703) 367-0404
Web: www.electricalsafety.com

New Keystone Cat6A Jack from Platinum Tools Now Available; Featured During 2018 InfoComm

Shielded and Unshielded Tool-less Design Makes Terminations Fast & Easy; Made to Fit Industry Standard Wall Plates & Unloaded Patch Panels While Meeting Cat6A Channel Performance Up to 100m

Platinum Tools® (www.platinumtools.com), the leader in solutions for the preparation, installation, hand termination and testing of wire and cable, is proud to announce new Keystone Cat6A Jacks (p/ns 751-1 shielded / 752-1 non-shielded) are now available. Platinum Tools will feature the Keystone Cat6A Jacks during InfoComm 2018, held from June 6-8 at the Las Vegas Convention Center, booth C3445.

“Our new Keystone Cat6A Jack has a tool-less design that is easy and fast to terminate and made to fit industry standard wall plates and unloaded patch panels,” explained Lee Sachs, Platinum Tools, Inc. president and general manager. “It even meets Cat6A channel shielded and non-shielded performance up to 100m. It’s a must for installers and technicians across multiple markets.”

The new Keystone Cat6A Jack’s tool-less design reduces tool cost, since no punchdown tool is required. The color coded wire guide ensures pairs stay in the proper order for fast, easy terminations. This keystone jack is also designed to be reusable, and comes in multiple colors, so it can be used to replace old, worn out jacks or be integrated into newer projects with little difficulty.

Additional features and specifications include:

- Color coded T568A/B sequence makes wire configuration easy
- Unshielded available in either blue or white
- UL Listed
- Exceeds TIA/EIA-568-C.2
- IEC 60512-99-001 PoE Compliant
- RoHS Compliant
- Contacts 50µ gold
- AWG range 22 ~ 24
- Mating 750 cycles
- Temperature range: -10 degree C ~ +60 degree C
- MSRP: \$11.95 (751-1 shielded; bag)
- MSRP: \$9.95 (752BL-1 & 752WH-1 non-shielded; bag)



For additional information and pricing, please visit www.platinumtools.com, call (800) 749-5783, or email info@platinumtools.com.

www.platinumtools.com •



RENTAL EQUIPMENT

THAT WORKS AS HARD AS YOUR CREW



NESCO isn't just a premier provider of utility rental equipment, but a leader in responsiveness and support for all customers. Dedicated rental and service teams, combined with one of the industry's largest rental fleets, ensure NESCO meets your job site needs.

AERIAL > DIGGERS > CRANES > STRINGING EQUIPMENT
UNDERGROUND > TOOLS & ACCESSORIES



800-252-0043

www.nescorentals.com



Klein® Tools Helps Keep Essential Items Handy with New Datacom Installation Kits

Klein Tools (www.kleintools.com), for professionals since 1857, introduces the Twisted Pair and Coax Cable Installation Kits, the new go-to tool kits for professionals working on datacom installations.

Twisted Pair Installation Kit (Cat. No. VDV026-212)

- Includes the tools needed to strip, crimp and punch down to connect modular cables, plus a zippered pouch to help stay organized
- Twisted Pair Radial Stripper (Cat. No. VDV110261) features a durable, high-carbon steel blade that automatically adjusts to different cable diameters to avoid damaging conductors
- Ratcheting Modular Crimper (Cat. No. VDV226011) is an all-in-one tool that cuts, strips and crimps data cables
- 110-Type Punchdown Tool features Klein's exclusive DuraBlade™ precision cutting edge for clean, accurate wire termination
- Includes six Modular Data Plugs, RJ45-Cat5e o Additional connectors sold separately

(Cat. No. VDV826-603)



Coax Cable Installation Kit (Cat. No. VDV026-211)

- Kit includes everything needed for preparing and connecting coax cables with F-Connectors and a Zipper Pouch to help keep components together
- Klein-Kurve® Multi-Cable Cutter (Cat. No. 63020) is made in the U.S. and features precision, shear-type cutting blades and double-dipped comfort grips
- Coax Cable Radial Stripper (Cat. No. VDV110-061) enables precise, accurate cable stripping with 2level, one step prep and durable, high-carbon steel cutting blades
- Compact Compression Crimper (Cat. No. VDV212008SEN) crimps compression F-Connectors to coaxial cable and allows quick, easy insertion and removal of cable and connector
- Includes six Universal F-Compression Connectors o Additional connectors sold separately

(Cat. No. VDV812-606)



"Whether you are just beginning a career in the trades or are an experienced Journeyman, Klein's new

Twisted Pair and Coax Cable installation kits can help you stay organized and save time on the job," says Karen Alpan, product manager at Klein Tools. "These kits include all of the tools needed to complete datacom installations, so tasks like stripping, crimping and punching down modular cables, as well as preparing and connecting coax cables, can be completed more efficiently."

www.kleintools.com/new-products •



ENGINEERED, TESTED & CERTIFIED

A Tethered Tool System for Applications Involving Work at Height

LEAVE IT TO THE EXPERTS

Snap-on provides a drop prevention system like no other. We'll work with you to determine your drop prevention needs... including the tools, attachment points, lanyards, pouches, and holsters, that combine to create a turnkey solution that enables your workers to do just that...WORK.

SAVE TIME AND MONEY

Engineered attachment points don't interfere with the functionality of the tools, and are more durable than simple "add-ons" that require frequent maintenance or replacement.

BEAT THE STATISTICS

About 70% of drops happen during the exchange of the lanyard from one tool to another. The Snap-on Tools@Height system features independent tethering, which means each tool is attached to its own lanyard. Minimizing exchanges reduces the likelihood of drops and increases safety.

MINIMIZE RISK

Independent tethering also allows the tool to be removed from and returned to its holster or pouch using just one hand. Safety is improved by allowing the user to maintain the critical "three points of contact" when working at height.

RETAIN CONTROL

Our modular approach means you can configure the tools/holsters based on a user's personal preference, while providing a system that meets your safety standards.

See what the most comprehensive tool drop prevention solution in the industry can do for your team's safety and productivity by contacting:

John R. Tremblay | Power Generation & Utility Market Manager
413-519-3380 | John.R.Tremblay@snapon.com



AEMC Offers New Line of Handheld Megohmmeters

AEMC offers a new line of easy to use handheld megohmmeters capable of measuring insulation resistance up to 200GΩ. The selectable test voltages range from 10 to 1000V depending on the model. These compact, lightweight meters are ideal for testing cables, small motors, pumps, transformers and industrial equipment. The Model 6536 is ideal for special applications in the aerospace and defense sectors where very specific test voltages are required.

Features:

- Selectable test voltages from 10 to 1000V (model dependent)
- Insulation resistance measurement up to 200GΩ (model dependent)
- Automatic discharge at the completion of the test
- Manual, Lock & Timer test modes
- PI/DAR Ratio calculations (model dependent)
- Active voltmeter detects live voltage prior to starting a test
- Automatic test inhibition if live voltage above 25 volts detected
- Programmable alarms with Pass/Fail indication (model dependent)
- 200mA/20mA continuity measurement with fuseless active protection
- Measures V (AC & DC), Hz, Ω, kΩ, capacitance and cable length (model dependent)
- ΔRel mode for comparative measurements displayed as a value or %
- Test lead compensation eliminates lead resistance from continuity measurements

www.aemc.com •

Cementex Releases New Belt Pouch Tool Combinations

Cementex, the safety tool specialists, announces the availability of Cementex Belt Pouch Tool Combinations, featuring all tools designed for safe use in Arc Flash environments. With 13 different combinations to choose from, there is an ideal Cementex Belt Pouch Combo for any technician.

All tools in the Cementex Belt Pouch Combos feature innovative Cementex double insulation technology. The double insulated tools feature a yellow warning layer underneath the outer orange layer; if the outside insulation is damaged, posing a safety risk, the yellow layer begins to show, and technicians can know that they must replace the tools.

The 13 different configurations of belt pouch and tool kits feature a wide range of tools, including Linesman's universal crimping, needle nose, and diagonal cutting pliers, various sizes of Phillips, Robertson, and Cabinet screwdrivers, nut drivers, and various task-specialized tools. In addition, customized configurations are also available.

Cementex double insulated tools are tested to 10,000 VAC and rated for 1,000 VAC when working on or around live parts. The pliers comply with ASTM F1505 and IEC 60900 standards, and help meet the requirements of OSHA 1910.331-335, MFPA 70E, and CSA-Z462.

www.cementexusa.com/catalog/tool-kits-rolls-pouches •



JESCO

— Since 1932 —[®]

A Woman Owned Small Business

"From the simplest to the complex, JESCO does it best!"



DIAMOND WIRE MESH ENCLOSURES

Time tested diamond mesh partitions have been pre-engineered for easy installation, give an unrestricted view into the cage, total air circulation, low initial cost and maintenance. Send us the footprint of your project and allow our engineers to assist you on your next project!



SELF DUMPING HOPPERS - 50+ Sizes and Specials!

All welded self dumping hoppers are available in more than 50 different sizes that will fit to your application. All units are engineered to return to an upright position and have a positive locking latch. Safety retaining chain and trip rope assembly is standard on all our units. Open-sided, low profile, narrow, extra wide, and 10,000# capacity units are all within our product line. Casters available on standard units up to the 2½ cubic yard size.



WIRE MESH INFILL PANELS

We will custom fabricate these infill panels to meet your specific requirements. Just send us your specs!

Available in diamond, rectangular and square mesh, with or without standoffs. Frames available in 1" x ½" channel or with a hemmed edge. Other size framing materials and mesh are available, specify weld pattern and types of weld finish desired. Division 5,8 and 10.



EEZY STAK® Enclosures

2" x 1" Rectangular Mesh EEZY STAK® Enclosures are designed and engineered to save time and money on your project installation. Woven wire mesh panels welded into an angle frame; frames secured to the posts. No wire ties or unheard of specialty clips. Jjust nuts, bolts, and standard hand tools are required. Dark Gray painted panels allow for full visibility into enclosure.

Visit www.JescoOnline.com



Jesco Industries, Inc.
PO Box 388
Litchfield, MI 49252-0388

Call 800-529-6697

Tel: 517-542-2903
Fax: 517-542-2501
E-mail: Jesco@JescoOnline.com

Company	Pg.	Website
Bolle Safety	27	www.bollesafety-usa.com
Buccaneer Rope	12	www.bucrope.com
DICA	9	www.dicausa.com
EZ Trac	11	www.eztracAWD.com
Golight	7	www.golight.com
Greaves	23	www.greaves-usa.com
Hogg & Davis	14	www.hoggdavis.com
Jesco	35	www.jescoonline.com
Keystone Electronics	19	www.keyelco.com
Krenz Vent	2	www.krenzvent.com
Miller Safety	29	www.electricalsafetysupply.com
Mobile Desk Solutions	IFC	www.mobiledesk.com
Morooka	IBC	www.morookacarriers.com
MSA Safety	15	www.msasafety.com
Nesco	31	www.nescorentals.com
Platinum Tools	21	www.platinumtools.com
Prinoth	5	www.prinoth.com
Rayco	8	www.raycomfg.com
Regscan	22	www.regscan.com
Ring Power	13	www.ringpower.com
Snap On Industrial	33	www.snapon.com
Terex	1	www.terex.com
TSE	BC	www.tse-international.com
Warehouse Equipment	4	www.warehouseequipment.com
Yale Cordage	3	www.yalecordage.com



WE KEEP AMERICA ON TRACK



MOROOKA

Call: **1-877-667-6652**

or

Visit: **morookacarriers.com**

GREENMACHINE

CLEAN. QUIET.
ALL ELECTRIC
PULLING AND
TENSIONING.



THE NEWLY DESIGNED DPT40E IS POWERED BY A REGENERATIVE ELECTRIC MOTOR, ELIMINATING THE NEED FOR DIESEL AND HYDRAULIC OIL.

FOR SALES INQUIRIES, PLEASE EMAIL US AT SALES@TSE-INTERNATIONAL.COM

U.S. PATENT NOS. 8,322,689 B2 AND 9,178,340 B2

TSE
INTERNATIONAL, INC.
1-800-825-2402