

December 2024

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The Purchasing Guide for Electrical Contractors

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**INDUSTRY NEWS
& NEW PRODUCTS**

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NEW PRODUCT!

IP1 Qwik Duct Safer Better Faster

IP3b IP3c

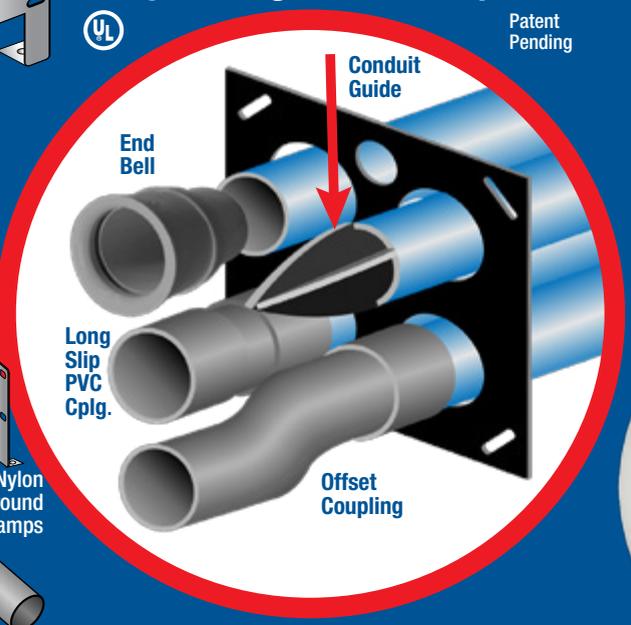
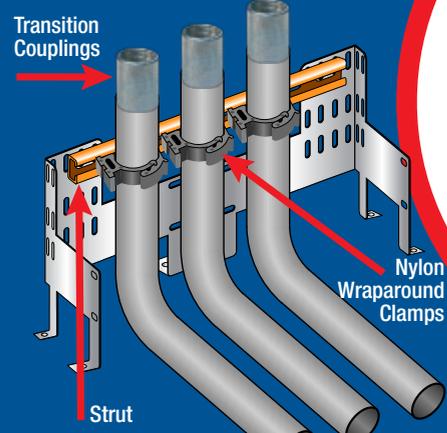
IP10a

EZ STUB-UP
Join two EZ Stub-Ups with strut to support and secure multiple stub-ups on wooden forms before concrete pour for sizes 1/2", 3/4", 1" & 1-1/4" stub-ups with SP's Nylon Support Brackets and transition to RGB with our transition couplings.

HDPE CUSTOM TEMPLATES
In Any Configuration Required

PVC Offset
Sizes 1/2" thru 6"
Meets Flexible Madrel Test Requirements

Bore Spacers
Sizes 1/2" thru 6"
Roll assembled conduit into caissons and under obstructions



IP13a-p

Conduit Transition Couplings



IP3a

End Bell Adapter
Schedule 40/80 PVC

UL PVC schedule 40 & 80 Transitions in Less Than **5 Minutes**

Save Cost on the Rigid Nipple, Tape & Labor
Use for Entire Job - Not Just for Repair

IP15

1 Piece Reaming Bit
1/2" thru 6" Schedule 40/80

Plus More Being Invented for SAFER BETTER FASTER Jobs . . . Call With Your Ideas!

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COMPANY PROFILE

6 Protect Yourself
Miller Safety Consultants —
A Leader in Arc Flash Protection
BY VINCENT MILLER

TOP PRODUCTS

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in the Electrical Industry Market**



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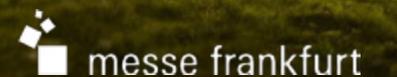
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Protect Yourself

Miller Safety Consultants — A Leader in Arc Flash Protection

Vince Miller started Miller Safety Consultants, a veteran owned business in 1999. The goal of the business was to provide cost effective safety consulting, employee training such as: confined space entry, fall protection, electrical safety and provide sales of electrical shock and flash protective equipment and fall protection equipment to businesses in the Washington DC area.

Reliance Industries provided fall protection products and much of the sales and training was on behalf of the supplier. In 2000, the owner decided to retire from his business, and Vince decided to discontinue the fall protection line of his business and concentrate more in the electrical training and products.

Vince had been a distributor for Certified Insulated Products (CIP), a manufacturer of electrical insulated tools and electrical arc flash clothing manufactured by Otex in Rochester, New York. As a distributor, Vince provided sales through his internet website and much through relationships with electrical contractors. His training was a classroom environment and was provided directly to customers but he also taught as a sub-contractor for other

safety consulting companies and the Chesapeake Safety Council in Baltimore, Maryland. In 2005, Vince partnered with Vivid Learning Systems in Cascades, Washington to provide on-line training in safe work practices.

Training in electrical safe work practices is still provided locally in the Washington DC area and as a partner with an electrical engineering firm and online. The training is based on the Occupational Health and Safety Administration (OSHA) standards and the National Fire Protection Association (NFPA) 70E standard.

Miller Safety Consultants is now a distributor for Cementex USA, Burlington, New Jersey, for insulated tools and equipment and clothing from OTEX Protective, Rochester, New York.

The majority of his sales of products

are from the web-based store. Cementex is nationally known for their quality equipment. Otex Protective is becoming more known for their quality clothing. For years, they have manufactured their products under other provider labels. Vince chose to not create his clothing line, but to sell the manufacturer product.

Vince has worked with many electrical company employees to fine-tune the clothing to be more comfortable for the user. Working closely with the manufacturer, they have made slight changes in how the cloth pattern was modified to meet final production. An example is the lightweight 40 Calorie vented hood offered by Otex.

The material is of the latest technology. The vented assembly is constructed for balance on the back of the hardhat and the airflow is 27 CFM to prevent fogging of the face shield and provide cooling to the worker. It took over a year to develop the product with the user prior to having the hood “flash tested”. This product is now standard issue with many electrical contractors.

Being a small business and having quality providers has resulted in satisfied customers for Miller Safety Consultants. Being a direct supplier for OTEX Protective, another small business means customized customer needs can be met. □

For more information, visit Miller Safety Consultants at: www.electricalsafety.com, email Vince at: sales@millersafetyltd.com

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The Safety Tool Specialists
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Give Vince a call at
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Deluxe Maintenance Tool Kit



Class O Glove Kit

Protect yourself from “Arc Flash”

We offer two lightweight 40 cal rated systems for employee protection -
PYRAD® Technology by GORE-TEX LABS, single layer and the two layer HYBRID (Protera/Indura) models.
Our unique V-5 ventilation systems using Milwaukee’s M12 rechargeable battery
with our patented “arc flash sensor” technology.

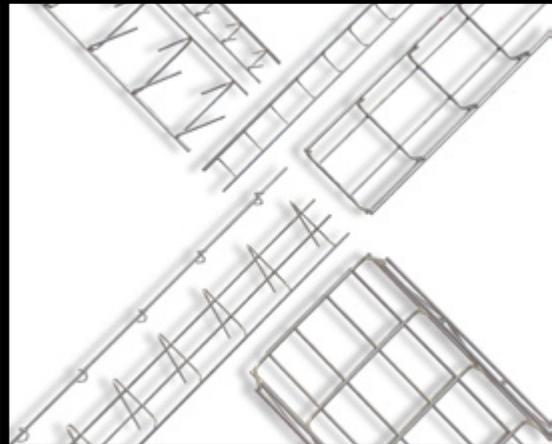


Both lift hoods feature 30 CFM ventilators. The arc sensor automatically disconnects the fan power to stop the air flow and maintain a safe breathing zone within the hood.



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Each year we choose what we believe are **Top Products** in the Electrical Industry market. This year is no different. The products and services chosen are each unique, beneficial and reliable in their own right. Having the ability to choose the tools and services that best fits your job description and your work style is what it's all about. We hope you agree with our choices.



AUTHORIZED DISTRIBUTOR OF

Cemenfex
The Safety Tool Specialists



Deluxe Geared Maintenance Tool Kit

Cemenfex Double-insulated Tools:

- Comply with the IEC 900 standard
- Comply with ASTM F1505-01 standard
- Help you meet requirements of OSHA Safety Related Work Practices, NFPA 70E Standard and CSA-Z462

Cemenfex Double-insulated Tools are:

- Tested to 10,000 VAC and rated for 1,000 VAC when working on live parts
- Manufactured in the USA with domestic and global materials.
- Marked with the international safety symbol - (double triangle) 1000V

Class 00 Arc Flash Glove Kit

Class 00 arc flash glove kit from Cemenfex is a good option for a reliable kit for work with 500 Volts or less. The gloves are made of natural rubber construction, offering the required dielectric properties combined with flexibility, strength, and durability. Gloves feature rolled cuffs, and are anatomically shaped thereby reducing hand fatigue. Each glove is chlorinated for maximum comfort.

Components of Cemenfex IGTK00-11 glove kit:

- 11" long Class 00 rubber insulating gloves
- Leather protectors
- Canvas storage bag



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Innovative Two-Piece Split Conduit and Split Coupler System

As the world leader in split conduit repair products, Conduit Repair Systems' provides an array of products to offer you the perfect solution for your repair needs. Conduit Repair Systems innovative two-piece split conduit and split coupler system is available in ten-foot split conduit lengths, pre-bundled repair kits, split WYE kits, and our industry leading split sweeps.

Conduit Repair Systems' split sweeps are available in a 24" or 36" radius and come in both 45° and 90° sweeps. They are great for electrical conduit applications underground, being encased in concrete, as risers coming up and out of the ground, for solar projects and more. All of our split sweeps are available in the following sizes: 1", 1.25", 1.5", 2", 2.5", 3", 4", 5", and 6".

With our two-piece split conduit system, no tape, straps or clamps are needed. Everything is done in a snap!

For more information, visit www.conduitrepair.com



RoadMax RX2 Roadway Luminaire

The versatile RoadMax RX2 roadway luminaire traverses a wide range of outputs with a single housing for a cohesive community appearance. Sitting at the center of the RoadMax portfolio, the RX2 reaches from 70-220 watts and connects the specs for your most challenging project. Whether your key to customization is a manual, field adjustable wattage switch (FAO), options to dim with Bluetooth ConnectLED, applying network controls (including DALI), or creating customized optical outputs with a combination of lenses and trespass shields, stock one model for multiple applications. Redefine the road ahead with RoadMax, low-glare streetlight solution. 10-year warranty. 120-480 VAC. 20kV/10kA surge protection.



For more information, visit www.evluma.com



Create a More Productive Environment with Retrofit Solutions

The Appleton™ Retromaster LED Series by Emerson is designed to upgrade outdated legacy lighting fixtures to LED to improve operational life and lower maintenance costs. Safely illuminate Class I, Division 2 locations with models providing up to 5000 lumen output in a compact footprint. With dual lumen outputs, the Retromaster LED provides a tailored retrofit solution for your facility.

Learn More at: www.masteringled.com



Appleton™ Retromaster LED Series Luminaires

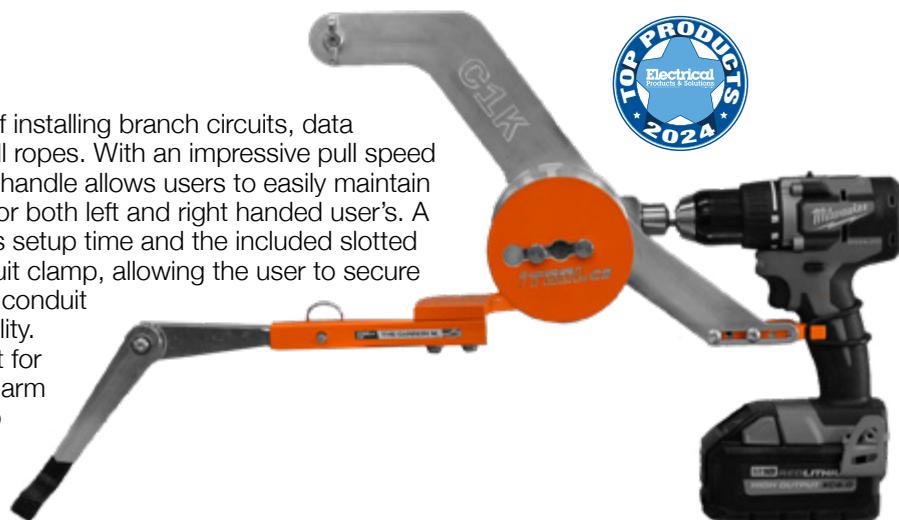
APPLETON™

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Cannon 1K

The Cannon 1K makes quick work of installing branch circuits, data cables, fiber optic cables, & large pull ropes. With an impressive pull speed of up to 130' per minute, the built-in handle allows users to easily maintain control of the unit and is adjustable for both left and right handed user's. A quick release connector arm reduces setup time and the included slotted pulling head has an adjustable conduit clamp, allowing the user to secure the unit directly onto the edge of the conduit or panel while pulling for added stability. The articulating wedge arm is perfect for overhead applications, just push the arm to the top of the panel or box next to the conduit entry & run the rope to the capstan. The 1K's extendable pulling arm allows users to adjust the distance from the conduit opening or panels edge, with the option of adding an additional piece of 1" rigid to achieve longer distances. The removable capstan end plate makes taking the rope, mule tape, or string off after a pull simple. Just loosen the set screws holding the plate on, then remove it and slide the rope off the capstan. Lanyards on the stainless steel pins ensure no parts are lost in between pulls. Guaranteed by our industry leading 6 year warranty & made in the USA.



For more information, visit www.ITOOLco.com



New PYRAD® - By GORE-TEX LABS 40 Cal Lift-front Vented Hood

We've listened to our users who perform "non-contact" testing within the arc-flash protection boundary and have release the OTEX lift shield hood. This new style hood will incorporate the Paulson lift shield assembly. The new hood assembly will also have the additional safety features of our standard V5 vented 40 Cal hood such as the patented arc flash sensor, head lamp and the Milwaukee M12 battery powered fan system.

For more information, visit www.electricalsafetysupply.com



Extend Luminaire Life While Reducing Energy Consumption

The Appleton™ Mercmaster™ Connect LED by Emerson is designed to illuminate hazardous and harsh industrial locations with integrated motion and illuminance sensors. Paired with Emerson's Plantweb Insight Connected Lighting Application, operators have access to lighting usage data and sustainability analytics.



Appleton™ Mercmaster™ Connect LED

The Mercmaster Connect LED provides facility managers with continuous monitoring of their LED lighting with real-time insights gained into sustainability goals, diagnostics and lumen levels from any remote location at dramatically lower costs as compared to wired alternatives, with faster installation time and minimal disruption to plant operations.

Learn more at: masteringled.com

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For more information, visit www.randl-inc.com



Elevate Your Projects with Siltec USA

Boost Your Bottom Line: Siltec USA's innovative cable tray solutions streamline installations and reduce labor costs. Our one-of-a-kind Locking Trays eliminate the need for zip ties, saving you time and money and reduces plastic waste.

Prioritize Safety for workers and consumers: Our robust cable trays ensure secure cable management, minimize workplace hazards, and help to prevent contamination which could cause potential downtime.

Partner with the Best: As a contractor, you will benefit from our extensive inventory, quick turnaround times, and expert support.

Choose Siltec USA for:

- **Industry-Leading Wire Basket Trays:** The strongest and largest selection of stainless-steel wire basket trays.
- **Sanitary Cable Trays:** The most hygienic solution for critical environments.
- **Innovative Tray Types:** Easy to install, maintain, and environmentally friendly.

Contact us today to learn more about how Siltec USA can elevate your next project.

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First there was 4 square... and now the REVOLUTIONARY 5 Square® Box!!

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- TWICE THE VOLUME AS MOST BOXES
- SAVE LABOR...INCREASE PROFITS
- ELIMINATES TROUBLESHOOTING TIME AND COST
- FULLY UPGRADEABLE SYSTEM
- SPECIFIED BY ENGINEERING FIRMS, HOSPITALS, UNIVERSITIES & GOVERNMENT AGENCIES
- AVAILABLE IN ZINC OR RED

Telecommunications



- INTEGRAL CABLE MANAGEMENT
- SAVE LABOR...INCREASE PROFITS
- FACILITATES MIN. BEND RADIUS REQUIREMENTS
- SUPPORTS CURRENT AND EVOLVING SYSTEMS
- SUPPORTS PoE PLUS
- SPECIFIED BY ENGINEERING FIRMS, HOSPITALS, UNIVERSITIES & GOVERNMENT AGENCIES



Long Slip Bell PVC (Sch 40/80) to RGD Transition Coupling

Eliminates the need for standard female PVC adapter for faster installation with less labor, also creates a more stable connection than standard PVC coupling. Maintains the same inside diameter for both PVC and RGD. Made in the U.S.A., these are available for schedule 40 & 80 conduit sizes 1/2" thru 6".

For more information, visit www.SPProducts.com.com



Galvanized Rigid to PVC (Sch 40/80) Transition Coupling

This fitting is used when metal is needed through slab after the concrete was poured. Saves the cost of rigid nipple, tape and labor. Ream out PVC stub-ups and screw in the self-threading RGD coupling which maintains the same inside PVC diameter. Made in the U.S.A, these patent pending couplings are available in sizes 1/2" thru 6" conduit.

For more information, visit www.SPProducts.com.com



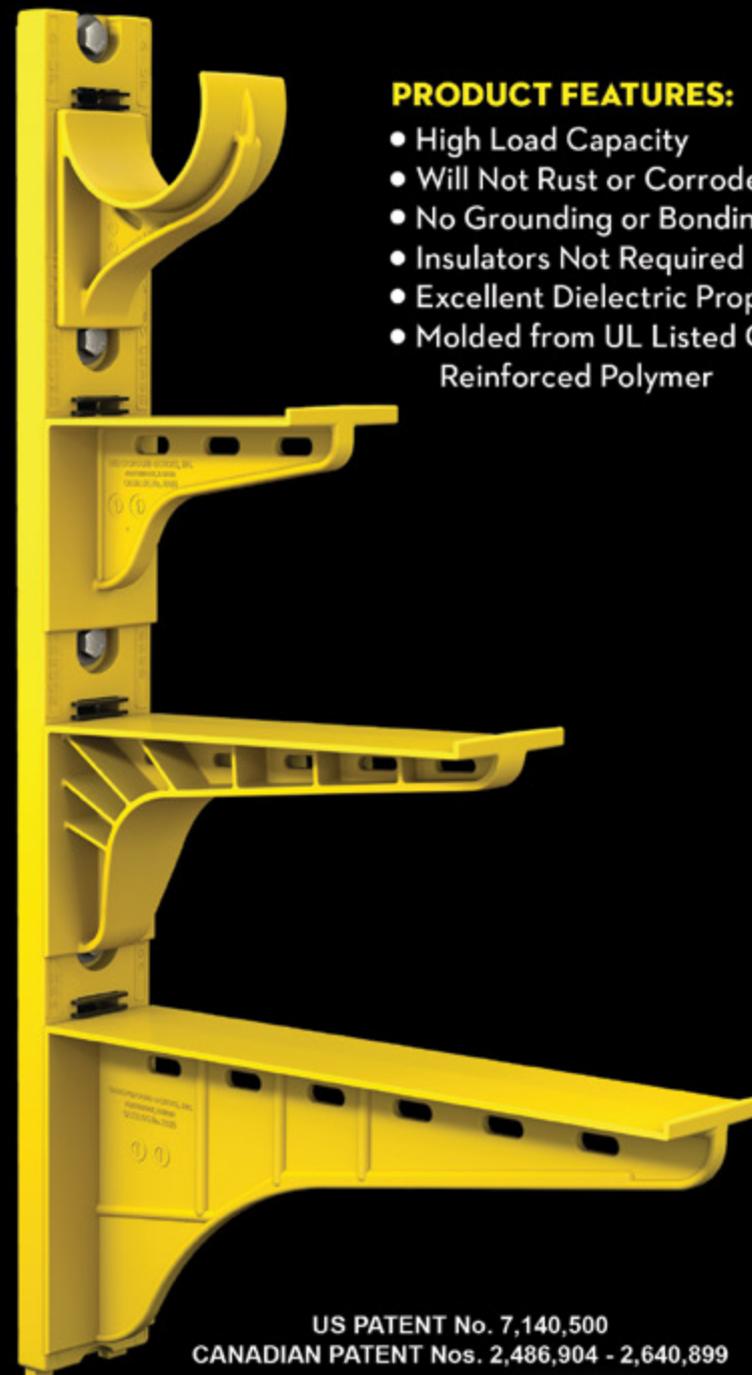
The Heavy Duty Nonmetallic CABLE RACK

For Power and Communications Manholes And Vaults



PRODUCT FEATURES:

- High Load Capacity
- Will Not Rust or Corrode
- No Grounding or Bonding
- Insulators Not Required
- Excellent Dielectric Properties
- Molded from UL Listed Glass Reinforced Polymer



US PATENT No. 7,140,500
CANADIAN PATENT Nos. 2,486,904 - 2,640,899



HDL Arm Lock shown with RA04 Arm and CR36-B Stanchion



3HDS - 3" throat saddle shown with a cable secured by cable ties.



RA08 - 8" arm shown with three cables secured by cable ties.

UNDERGROUND DEVICES
INCORPORATED



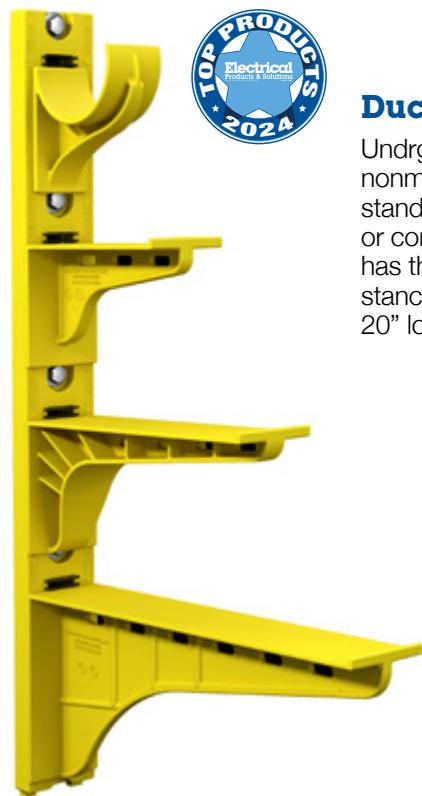
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The IMPULSE PHASER

The IMPULSE PHASER was originally developed in the early 1950's to increase personnel safety when working on paper insulated, lead covered cables. Since its introduction, the IMPULSE PHASER has been used safely and reliably by electric utilities throughout the U.S. on solid dielectric cables and paper insulated, lead covered feeders in excess of 20 miles and even on submarine cable 300 feet underwater. Because safety is most important, the IMPULSE PHASER is designed to operate only if the cable circuit to which it is connected has been shorted and grounded. Also, the transmitted signal cannot be imposed on any other cable in the circuit. The IMPULSE PHASER promotes safe, positive identification of cables. The IMPULSE PHASER is designed and built to withstand the normal use generally associated with linemens' tasks. Because the IMPULSE PHASER is well constructed, you get an instrument which is economical to purchase and maintain, providing years of reliable service.



For more information, visit www.timcoinstruments.com



Duct Spacers and Nonmetallic Cable Supports

Undrground Devices manufactures several different styles of duct spacers and nonmetallic cable supports. The Heavy Duty Nonmetallic Cable Rack has become a standard in manhole racking. The Heavy Duty Rack is nonconductive and will never rust or corrode. Grounding and insulators are no longer necessary. The Heavy Duty Rack has the same loading capacity as comparable steel cable racks. With seven standard stanchion lengths ranging from 8" to 48" long, and ten arms ranging from a 3" saddle to a 20" long arm, the Heavy Duty Rack is an extremely versatile cable racking system.

For more information, visit www.udevices.com

ALWAYS AVAILABLE

The Top Products issue of *Electrical Products & Solutions* magazine is available year-round and archived for reference just like all of the previous issues at www.epsmag.net.

We're Proud to be the Electricians' Friend for Over 50 Years!

New Products
Safer Better Faster

IP19

4-Conduit Block

Vertical support from only one 1/4", 3/8" or 1/2" threaded or threadless rods 1/4" or 3/8" threaded holes on the side along with slots for hex head bolts for hardware are provided for conduit support.



IP21a

QwikBlock

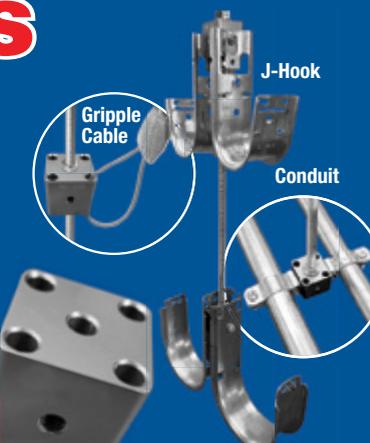
Vertical support from only one 1/4", 3/8" or 1/2" threaded rod by attaching two machine screws 1/4" x 20 thru the existing holes in back of the box. Eliminates knocking out center KO on box and traditional nut and washer method to support a single box.



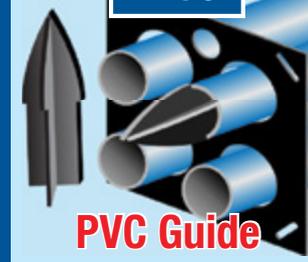
IP20a

Box Support Rod Cubes

Vertical support from only one 1/4" or 3/8" threaded or threadless rod with 4 holes for Gripple applications as well as 4 threaded 1/4" or 3/8" holes for conduit support hardware.

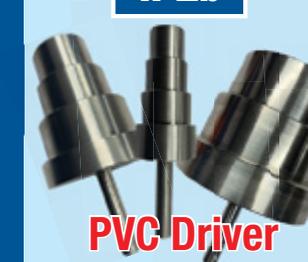


IP3e



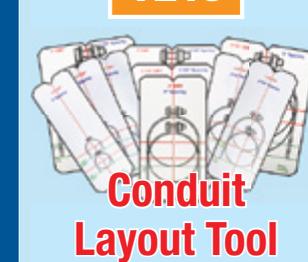
PVC Guide

IP2b



PVC Driver

TE15



Conduit Layout Tool

IP3g



Long Slip PVC

IP3f



Slip PVC/RGD

IP4



EZ Raised Bracket

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Plus More Being Invented for SAFER BETTER FASTER Jobs . . . Call With Your Ideas!

Why is a Thermal Management Plan for Enclosures Important?

Thermal Management Plan for Electrical Enclosures

Manufacturing facilities' electrical enclosures can house hundreds of thousands of dollars in high-performance drives and electronics critical to production processes. These critical electrical components generate a significant amount of heat which, if not managed properly, leads to premature product aging and failure, shutting down systems and resulting in unnecessary downtime.

Outfitting electrical enclosures with the correct cooling technology for your specific application is critical. Considerations for thermal management include heat load, ambient temperature range, presence of particulates or debris, enclosure location, material, and more. Unfortunately, most manufacturing facilities lack a proper Thermal Management Plan to protect and extend the life of their equipment. As a result, manufacturers suffer significant financial losses each year. In most cases, these losses are preventable with a well-designed Thermal Management Plan.

Pfannenberg Can Help Develop a Thermal Management Plan

Pfannenberg has over 65 years of experience working with manufacturers to reduce costs and improve uptime through thermal management planning. A good thermal management plan starts with a plant survey to evaluate the needs of the specific facility. Our Service and Support team offers several programs to determine if the correct cooling technology is in place and functioning properly to meet the needs of that particular facility. A thermal management program from Pfannenberg can help:

- Verify sizing of cooling method meets

the thermal loads of enclosures

- Reduce electrical costs caused by poorly maintained air conditioners
- Create a Preventive Maintenance plan
- Recommend the correct thermal technology for challenging applications
- Identify critical equipment and put steps in place to reduce downtime

Pfannenberg offers a variety of thermal management products tailored to meet the needs of different manufacturing environments:

Air to Air Heat Exchangers

Pfannenberg's PKS 3000 Series Air/Air Heat Exchangers use its Kinetic Cooling System™ to exchange and remove heat from electrical enclosures using ambient air. This is a perfect solution for applications with humid ambient temperatures or dirty air where reductions in maintenance are critical. Available in five models, these coolers are designed for indoor, outdoor, and remote applications, as well as washdown applications that require a closed-loop system to protect electronics.

Air to Water Heat Exchangers

Pfannenberg Air/Water Heat Exchangers are particularly suitable where ambient temperatures are high, or for washdown areas of the plant with high amounts of particulate. Their maintenance-free design allows for easy servicing and flexibility in installation, whether internally or externally. They are highly energy efficient, utilizing a supplied water source to remove heat, which is the most effective method for process heat removal. With high cooling capacities ranging from 2,218 BTU to 34,121 BTU, they are engineered

to ensure safe and efficient cooling of enclosure electronics, making them an ideal choice for a variety of industrial applications.

Cooling Units

Pfannenberg Cooling Units offer a closed-loop cooling system to prevent critical temperature fluctuations and avoid overheating. The units effectively seal out ambient air, ensuring that clean, cool air is recirculated throughout the enclosure. These units can be used when the required internal temperature is equal to or lower than the ambient temperature or when the ambient air is heavily contaminated with oil or conductive dust and higher ingress protection is necessary.

Filterfans®

For less demanding environments, Filterfans® offer a cost-effective solution to manage enclosure temperatures. With tool-free installation and superior filter design, the folded structure provides unrivaled airflow that guarantees Nema Type 12 protection while extending the filter's lifetime 300% longer than conventional filters. With UL Listed Certification and the highest airflow and protection, Filterfans® are the ideal solution for clean, non-hazardous environments as long as the ambient temperature outside the enclosure is lower than the enclosure temperature.

Conclusion

By leveraging Pfannenberg's extensive range of thermal management products and expertise, you can develop a comprehensive Thermal Management Plan tailored to your facility's unique needs, ensuring optimal performance and longevity of your critical electrical components. □



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THE MVP20K

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Electri-Flex Company Celebrates Retirement of Plant Manager After 47 Years of Dedication

ELECTRI-FLEX COMPANY, Roselle, IL, proudly announces the retirement of Ron Pelka, Plant Manager, and a dedicated manufacturing team member of 47 years. Throughout his career, Ron played an essential role in maintaining the smooth and efficient operation of the manufacturing plant, upholding the high standards of quality that Liguatite® has become known for in the industry.

Ron Pelka started his journey with Electri-Flex Company in 1978 as a material handler and within a year, he transitioned into the tool room, embarking on a 4-year apprenticeship position. This position allowed him the opportunity to develop new product lines as well as new manufacturing equipment. Throughout his 47-year career, Ron held several significant positions, including R&D Manager, Toolroom Supervisor, Maintenance Supervisor, and eventually Production Supervisor. After several years in this role, he became the Plant Manager. As Plant Manager he oversaw the entire manufacturing process – from receiving raw materials to manufacturing the product core in the Coiling Department, extruding the jacketing, and ultimately packaging the materials to be shipped to the customer.

Ron played an integral role in constructing the Liguatite® brand into what it is today. He oversaw many advancements in roll-forming strip and extrusion, including expanding the product lines from only several to the nearly 50 varieties available today. With his leadership, he oversaw the expansion of the manufacturing facility with the addition of a second location. More recently, Ron oversaw plant enhancements and new machinery that



Ron Pelka

increased capacity and efficiency on the factory floor.

“Ron has been a vital part of our organization, exemplifying unwavering commitment, leadership, and a passion for excellence,” stated Jan Ruthe, COO.

“Ron has been a vital part of our organization, exemplifying unwavering commitment, leadership, and a passion for excellence. He is always willing to share his 47 years of experience and knowledge to help others. We celebrate his remarkable journey, extend our gratitude for his contributions, and wish him all the best in this new chapter of life. May it be filled with relaxation, adventure, and all the joys that retirement brings!”

—Jan Ruthe, COO

“He is always willing to share his 47 years of experience and knowledge to help others. We celebrate his remarkable journey, extend our gratitude for his contributions, and wish him all the best in this new chapter of life. May it be filled with relaxation, adventure, and all the joys that retirement brings!”

Ron witnessed ownership and leadership changes throughout the years and appreciated their mentorship and guidance. “I have had many mentors through the years. In memory of Harold Kinander, Sr., Harold “West” Kinander, Jr., and Bruce Kinander who had a vision that I carried on throughout my time at the company. And current family members, Jason Kinander, Blue Kinander Kelly, and JR Kinander have been instrumental in my success, showing their confidence in me and our team. Thank you Kinander family for letting a young man fulfill a lifelong dream and ‘home’ to work at. I’ve been loving every minute of it,” stated Ron Pelka. Ron will retire officially on December 31, 2024.

Learn more about the Electri-Flex team by visiting <https://www.electriflex.com/about/meet-the-team/>. □

ABOUT ELECTRI-FLEX COMPANY

Electri-Flex Company, a leader in electrical conduit design and manufacture for nearly 70 years, produces Liguatite®, the most diverse line of liquidtight flexible electrical conduit in the industry. The company offers custom design, engineering, quality assurance, and testing capabilities. For more information on Electri-Flex Company, call (630) 529-2920 or (800) 323-6174; fax: (630) 529-0482; e-mail: mktg@electriflex.com; visit: www.electriflex.com; or write: 222 West Central Avenue, Roselle, IL, 60172-1994.



Affordable test equipment for 2024



Spitfire - Buried Low Voltage Cable Fault Locator

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- ◆ Easy to use
- ◆ High energy output
- ◆ Proven reliability
- ◆ Compact design
- ◆ Lightweight

Wayfind'r - Impulse cable tracer

- ◆ Accurate
- ◆ Easy to use
- ◆ Connects directly to energized cables
- ◆ Distinct signal for easy tracing
- ◆ Traces direct buried and cables in conduit
- ◆ Rugged, compact design

Impulse Phaser - Cable / phase system

- ◆ Accurately identifies cables in trenches, vaults, conduits and enclosures
- ◆ Identifies jacketed, shielded, cables, even in pipe
- ◆ Accurately identifies phases in multi-conductor cables
- ◆ Easy to understand and use



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Hy-Brid Lifts Hires New VP of Sales and Marketing to Spearhead North American Sales Team, Bolster Customer Support

Hy-Brid Lifts, a leading manufacturer of aerial lift equipment, has appointed David Porter as its new vice president of sales and marketing. In this role, David will oversee the North American sales team and focus on identifying opportunities for growth and product development. He will play a key role in fostering customer relationships and advancing Hy-Brid Lifts' commitment to being a trusted partner for its clients.

"When Hy-Brid reached out, I was thrilled about the opportunity," David said. "The chance to work with a smaller, family-owned manufacturer based in the U.S. was a significant draw for me. Hy-Brid's well-established products and strong customer relationships create an exciting platform to enhance our current partnerships and build new ones. I firmly believe in treating others as you wish to be treated, and I'll bring that philosophy to my role here at Hy-Brid."

In addition to managing the North American sales team, David will drive marketing initiatives and establish a dedicated product support team to collaborate closely with the sales department. This team will provide direct assistance to customers, ensuring they have the resources needed to succeed and responsive support when required. As Hy-Brid Lifts ventures into new equipment categories, David will also contribute to the development of innovative products tailored to those markets.

David brings over 25 years of leadership experience in the equipment industry, having worked extensively



David Porter

with dealers and original equipment manufacturers. His background includes more than 11 years as a branch manager for rental companies, including RSC, United Rentals and H&E Rentals, and progressive roles from sales and business manager to director of sales for other aerial equipment manufacturers.

With Hy-Brid Lifts prioritizing partnerships with rental companies, David's expertise in this sector offers valuable insights into their daily

operations and challenges. His deep understanding positions him to deliver solutions that help rental companies maximize their success.

"David's approach to building relationships will greatly benefit our customers," said Eric Liner, president and CEO of Custom Equipment LLC. "As we expand our product line and enter new markets, David's leadership will be crucial in solidifying Hy-Brid Lifts' standing in the aerial lift industry." □

ABOUT HY-BRID LIFTS

When Custom Equipment, LLC started in 1981, we focused our small welding and fabrication business on exceeding customer expectations. Now, after 40 years, we're even more committed to providing innovative solutions to the problems faced by the access industry. Each Hy-Brid Lift is a testament of our dedication to customer satisfaction and operator safety. Our aerial equipment is continually being modified based on real customer feedback to maximize uptime and productivity on jobsites across the world. We're also proud that all Hy-Brid Lifts are fully manufactured and assembled in the United States, enabling us to support local communities and deliver high-quality products that will last for years to come. For more information: Hy-Brid Lifts, 2647 Highway 175, Richfield, Wis. 53076; 262-644-1300; fax 262-644-1320; sales@hybridlifts.com; www.hybridlifts.com; or Facebook; X; LinkedIn; Instagram and YouTube.



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Galvanized Rigid Transition Couplings to Schedule 40/80 PVC Stub-Up



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When Concrete is Poured and Metal Below the Slab is Needed

Transitions in Less Than 5 Minutes!

Save Cost on the Rigid Nipple, Tape & Labor

Use for Entire Job - Not Just for Repair



PATENT PENDING



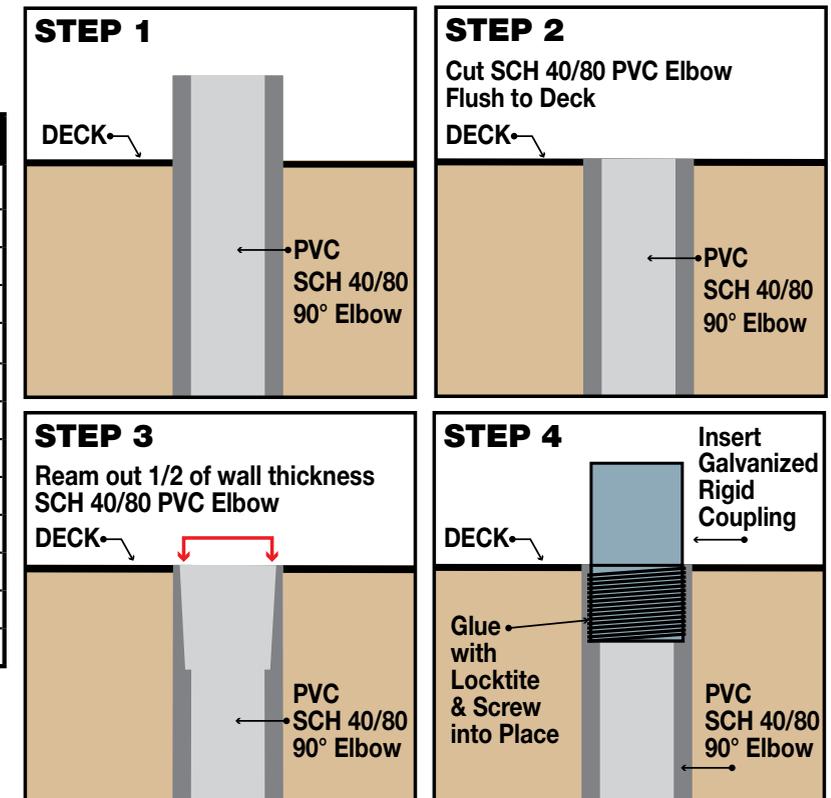
Saves a great deal of time transitioning from PVC conduit to Rigid Conduit above slab without damaging PVC risers and chipping concrete eliminating a concrete repair job!

All SP Products Inc. Transition Fittings are manufactured for installation to either meet or exceed in accordance with NEMA TC2, TC3 or UL 651 specifications

1/2" thru 6"

Transition Couplings	
Size	Catalog #
1/2"	50-PVC-R-GRC
3/4"	75-PVC-R-GRC
1"	100-PVC-R-GRC
1-1/4"	125-PVC-R-GRC
1-1/2"	150-PVC-R-GRC
2"	200-PVC-R-GRC
2-1/2"	250-PVC-R-GRC
3"	300-PVC-R-GRC
3-1/2"	350-PVC-R-GRC
4"	400-PVC-R-GRC
5"	500-PVC-R-GRC
6"	600-PVC-R-GRC

All Above Meet UL651
CSA C22.2, No.85 and
US Army Corps Engineers
Specifications



Customer must satisfy all codes and owners' specifications.

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Appleton PlexPower™ Disconnect Switches Simplify Installation and Reduce Downtime in Hazardous Locations

Appleton PlexPower disconnect switches eliminate the need for external conduit or cable sealing, helping facility managers simplify and lower the installation cost of electrical infrastructure in Class I, Division 2 and Class I, Zone 1 hazardous locations. A stainless-steel housing reduces field maintenance downtime because, unlike conventional heavy cast enclosures, there are no bolts to remove in order to access the switch's interior. As a result, critical industrial processes can go back online faster.

The exceptional performance of PlexPower disconnect switches is necessary in hazardous sites, which are among the most complicated electrical systems to manage. By de-energizing electrical circuits, PlexPower™ disconnect switches enable plant staff to safely perform maintenance, repairs, and inspections or handle emergencies without running the risk of electrical exposure. The external actuators and door latches can be locked out to provide additional safety to maintenance personnel. In hazardous locations where flammable liquids or gases may be present, safety is critical.

Appleton PlexPower™ disconnect switches provide one of the most flexible control solutions in the industry, and offers the most customer choice, with the ability to accommodate standard, off-the-shelf switches. Standard configurations feature an external actuator, drain and breather. They are available in one to four disconnect configurations up to 60 Amps each, or a single disconnect configuration up to 100 Amps. The voltage ranges from 120V to 600V. In addition to hazardous locations, the switches are NEMA 4X rated for protection against corrosion and extreme environments, indoors or outdoors.



For more information, visit www.appletonelec.com

Cementex Introduces Double-Insulated Square Drive Ratchet T-Handle Wrenches

Enhance Safety and Precision with Ergonomic T-Handle Wrenches

Cementex, the safety tool specialists, introduces the new Square Drive Ratchet T-Handle Wrenches. With Cementex's trademark double-insulation, the product provides market-leading user safety, precision, and efficiency, empowering electrical and mechanical professionals with top-notch performance to tackle the most complex and challenging projects.

Designed as an addition to your socket set, this innovative new product enables professionals to seamlessly connect extension bars, sockets, bit sockets, and even DriveHandle® nut drivers to achieve the desired tool configuration. These features allow users to significantly expand the functionality of existing tools. The product comes in versatile options, including the 1/4" square drive ratchet T-Handle wrench and the 3/8" X-Drive® version.

The form and function of Cementex T-Handle ratchet wrenches set a new industry standard. The T-Handle ratchet wrench's ergonomic design allows for optimal grip, control, and torque, reducing hand strain and improving overall user comfort during extended use. The product's precision ratchet mechanism ensures smooth operation with quick direction changes, elevating efficiency and slashing time spent on tasks.

Like all Cementex double-insulated tools, the square drive ratchet T-Handle wrenches comply with the IEC 60900 standard and the ASTM F1505 standard. The double-insulation helps companies meet the requirements of OSHA safety-related work practices including NFPA 70E standard and CSA-Z462. All Cementex double-insulated tools are tested to meet 10,000 VAC and rated for 1,000 VAC/1,500VDC when working on live parts. All double-insulated products are also marked with the international safety symbol for 1000V. Cementex proudly manufactures its products in the U.S.A. with both U.S. and globally sourced materials.



For more information, visit www.cementexusa.com

Arrow Hart Slim Arc Fault Circuit Interrupter (AFCI) Receptacles

Eaton's Wiring Devices Expand its Next Generation of Slim Protection Devices

The National Fire Protection Agency's (NFPA) designates October as Fire Prevention Month, which educates consumers about the risk of home fires and ways to minimize them. Accordingly, Eaton's Wiring Devices has announced the expansion of its family of slim protection devices to now include AFCI (Arc Fault Circuit Interrupting) receptacles.

Designed to recognize dangerous arcs in wiring and immediately break the flow of electricity to help prevent an electrical system from becoming an ignition source for a fire, the next generation Arrow Hart Slim AFCI Receptacle have been redesigned to now feature:

- A 1.03-inch depth in the electrical box which provides for more room for quick and easy wiring.
- Wider TEST/RESET buttons making it easier to test and reset the device.
- An intuitive large reset indicator light for easy identification of a trip incident.
- An end-of-life indicator light allowing for easy identification of a device failure.

The National Electric Code (NEC) mandates AFCI protection in residential areas such as sunrooms, parlors, libraries, dens, recreational rooms, and closets. Additionally, AFCIs are required in commercial applications like dormitories, guest rooms, nursing homes, police stations and similar locations.

For more information, visit www.Eaton.com/SlimAFCI



Newly Redesigned SCEPTER® Service Entrance Fittings Provide Easy Electrical Conduit Installation

The improved fitting selection delivers higher quality, dependability, and effectiveness for exterior electrical applications.

IPEX by Alliaxis, a leading manufacturer of thermoplastic piping systems, now offers a newly redesigned line of Scepter® Service Entrance Fittings for nonmetallic electrical conduit sizes 2½ inches to 4 inches.

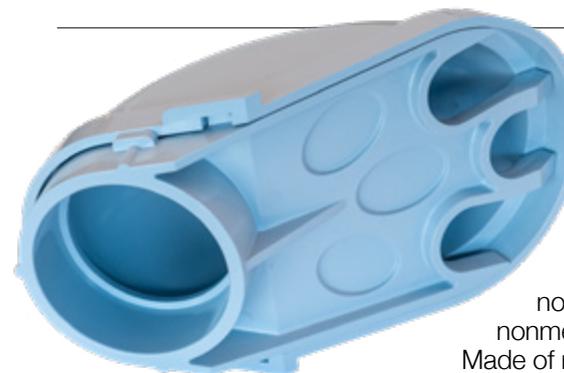
Made of rigid PVC, the fittings feature a new compact design with a snap-in assembly. Unlike the previous heavy and bulky fittings, the newly redesigned offerings are sleek and lightweight, making them easier to install. In addition, the redesigned 2½ inches to 4 inches sizes are UL-listed and CSA-certified.

Service entrance fittings bring electrical service to the exterior of a structure. They are installed on top of a mast, where an overhead cable connects the main power line to the building. The Scepter range includes adapters, couplings, elbows, access fittings, boxes, cover plates and expansion fittings — virtually any fitting required to complete the PVC conduit system.

The versatile Scepter Rigid PVC fittings will meet the needs of various commercial applications: utilities, airports, parking garages, and water and sewer treatment plants. Suitable for exposed, concrete-encased, and direct-burial applications, these fittings provide concrete tightness in all weather conditions while offering high impact and tensile strength.

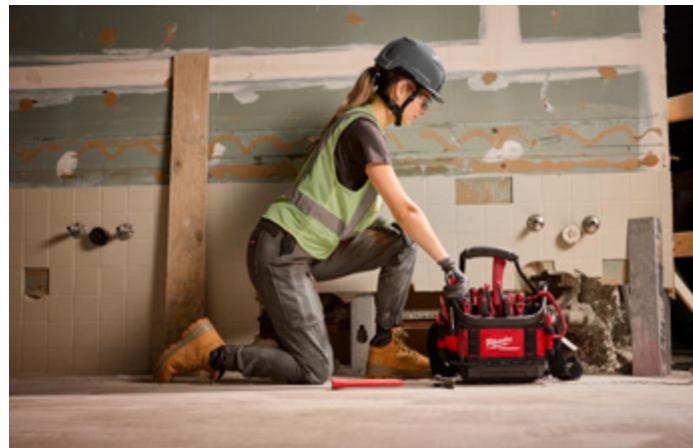
"We are thrilled to introduce our latest range of Scepter Service Entrance Fittings," says Martin Pepin. "With their sleek and lightweight design, these fittings offer effortless installation, ensuring a seamless experience for our customers."

For more information, visit www.ipexna.com



Milwaukee® Introduces Women's Workwear, Redefining Expectations of Durability and Comfort for Women in the Trades

Building on their workwear collections announced in 2023, Milwaukee enhances their workwear portfolio to include women's jobsite apparel. This new expansion combines the performance and comfort tradeswomen need on the job in an optimally tailored fit. Committed to supporting the impact of women in the trades, Milwaukee is redefining women's apparel offering jobsite built, to conquer real work solutions that meet the demands of women in the trades.



"Despite seeing significant increases of tradeswomen across industries in recent years, their options for sufficient jobsite apparel have remained stagnant," Nadia Sinner, Milwaukee Product Manager. "Through working directly with tradeswomen to uncover their frustrations with current jobsite apparel, Milwaukee is delivering solutions specifically tailored for women on the job. Our design process consists of extensive jobsite research, product seeding and rigorous product testing to ensure durable apparel that is fitted and designed specifically for tradeswomen by tradeswomen."

Redefining expectations for women's workwear, Milwaukee is introducing three new shirts, a sweatshirt and two pairs of pants for women on the jobsite. A part of the workwear collections, GRIDIRON™, FREEFLEX™ and WORKSKIN™, these solutions are dedicated to solving frustrations in comfort, movement and protection from the elements. This initial expansion for women's workwear includes additions to the GRIDIRON™ and FREEFLEX™ collections with future plans to expand the WORKSKIN™ collection. These products are engineered with a focus on the trades, ensuring apparel to benefit productivity in all jobsite conditions.

For more information, visit www.milwaukeetool.com

Ruselectric, A Siemens Business, Highlights System Control Upgrades for Critical Power Equipment

Enhance Performance, Extend Life, and Increase Capabilities

Ruselectric, A Siemens Business, a leading manufacturer of power control systems and automatic transfer switches, highlights its system control upgrades for critical power equipment for enhanced reliability, operational control, and ease-of-maintenance. These upgrades are a cost-effective alternative to equipment replacement. By upgrading, customers can experience improved performance and capabilities, updated systems with the latest technology, and a prolonged lifespan for their mission-critical equipment.

Additionally, maintenance requirements are decreased, and serviceability is improved. Ruselectric Field Engineers conduct these upgrades, ensuring professional and efficient service. All work is backed by the Ruselectric warranty, providing customers with added assurance. These upgrades are completed in a fraction of the time compared to full equipment replacement, offering customers swift improvements without prolonged downtime.



ATS Upgrades

Ruselectric offers upgrades to automatic transfer switch/bypass isolation switch control systems during a scheduled shutdown to enhance switch operating accuracy and functionality. Control, monitoring, and communication protocols are upgraded to eliminate concerns about legacy component availability.

Operator Interface Technology and Communications

Upgrade to the latest operator interface technology and communications equipment to significantly enhance system monitoring capabilities. Ruselectric will provide detailed information on the current system status through a dynamic one-line graphical interface, along with complete alarm and event history for a quick problem response. In addition, optional TJC (The Joint Commission) reporting and optional remote system access are offered by Ruselectric.

For more information, visit www.ruselectric.com

MaxLite LS3 Series Linear Strip

LS3 Series - Controls Ready

The new generation of LS Series Linear Strips (LS3 Series) features field-selectable wattages, CCTs and field-installable controls. Offered in three sizes (2', 4' and 8'), with each providing nine combinations of color temperatures and wattages, as well as, optional c-Max controls, one product can replace 27 different SKUs for stocking distributors!

- 2', 4' and 8' Lengths
- CCT selectable 3500/4000/5000K
- Wattage selectable on all models
- Lumen output: 2,000 - 12,150
- L70 of 100,000 hours
- DLC Premium Listed
- 10-year standard warranty

For more information, visit www.maxlite.com



Hammond Power Solutions Launches New Smart Transformers for Predictive Energy Management

Hammond Power Solutions (HPS), a leader in dry-type transformers and power quality solutions, proudly announces the launch of HPS Smart Transformers, now available for medium and low voltage transformers. This advanced solution integrates IIoT-enabled power monitors to provide critical data insights, empowering users to proactively analyze and address potential issues before they lead to costly downtime.



HPS Smart Transformers are designed to give users unprecedented control over their electrical systems. By continuously monitoring key parameters and delivering real-time analytics, users can interpret the data to detect early warning signs of equipment stress or failure. This proactive approach is essential for maintaining operational efficiency and preventing expensive disruptions.

"HPS Smart Transformers represent a significant leap forward in energy management," said Sumant Vashisht, Manager Product Management at HPS. "By integrating IIoT technology into our medium and low voltage transformers, we empower our customers with the data and tools needed to enhance operational efficiency and prevent costly disruptions."

Key Features of HPS Smart Transformers:

- Predictive Maintenance: Monitor key data points to identify and address issues before they lead to equipment failures.
- Turn-key Solution: Comes with a pre-installed meter requiring only basic connections for quick and easy setup.
- Remote Monitoring: Access and analyze real-time data from anywhere, allowing for timely interventions.
- Power Quality Insights: Analyze power quality metrics to optimize operations and support uninterrupted performance.
- Secure Network Integration: Operates within your network firewall, providing enhanced cybersecurity for your system.

For more information, visit www.hammondpowersolutions.com

advertiser
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**CORDLESS
CANNON 6K**

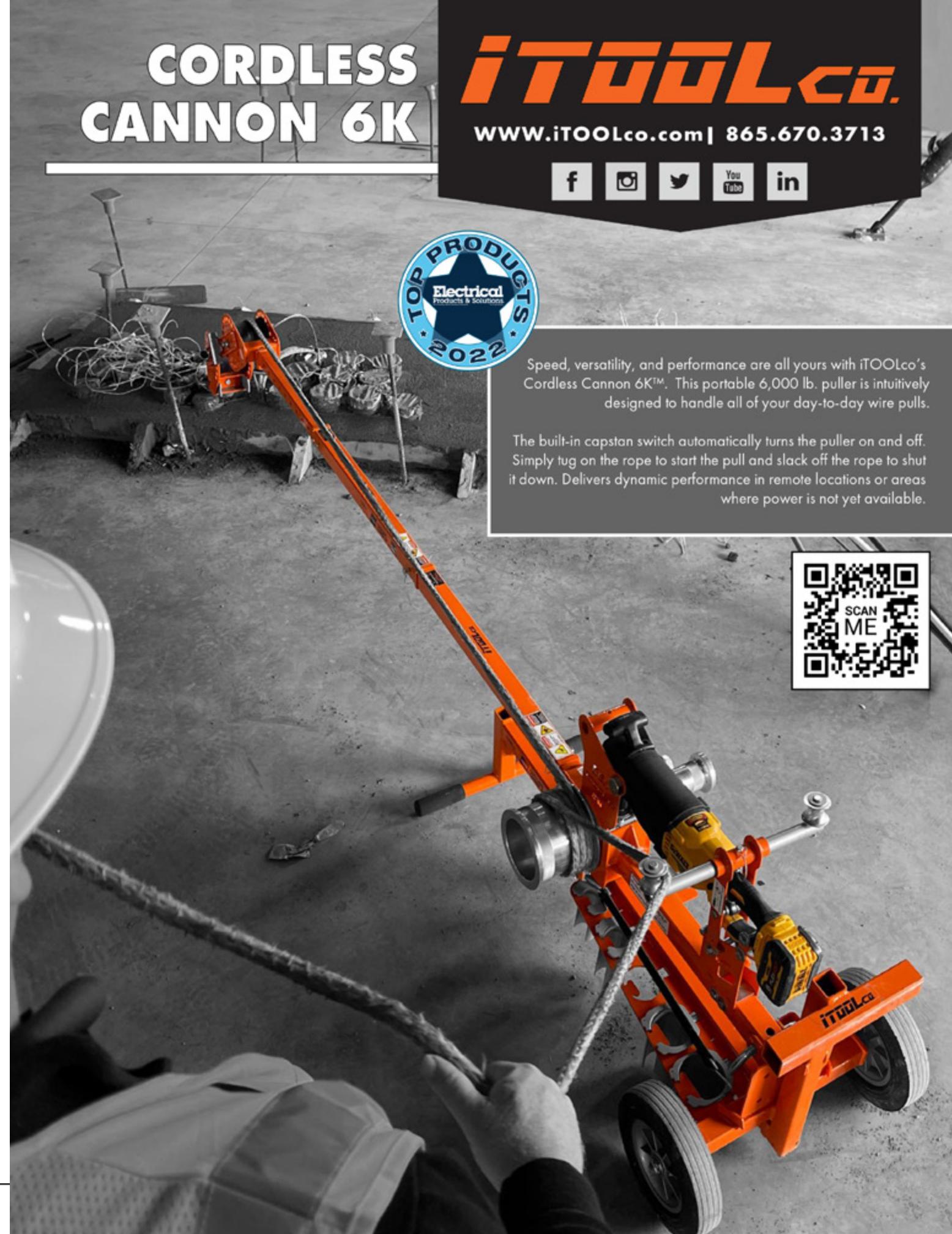
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Speed, versatility, and performance are all yours with iTOOLco's Cordless Cannon 6K™. This portable 6,000 lb. puller is intuitively designed to handle all of your day-to-day wire pulls.

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IP5

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Enter Any KO on Both Sides of the Box



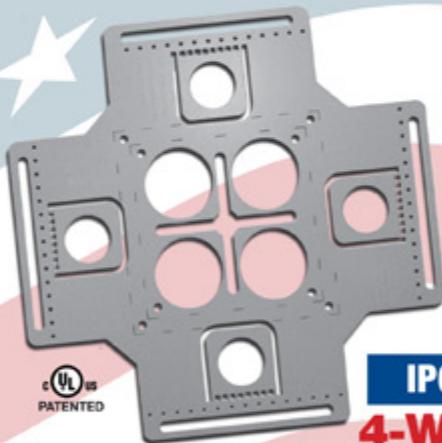
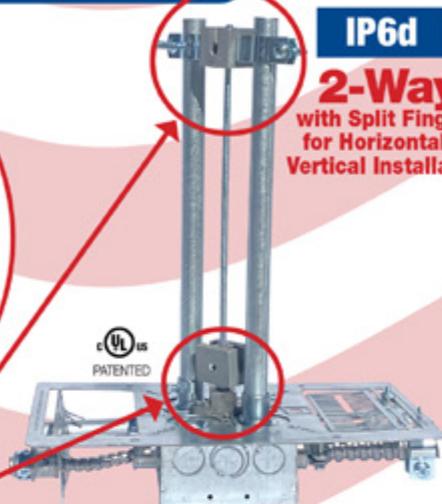
IP19/20
4-Conduit Block
PATENTED

IP21a
QwikBlock
PATENT PENDING

Use 4-Conduit Block (IP19 or IP20) with QwikBlock (IP21a)

IP6d

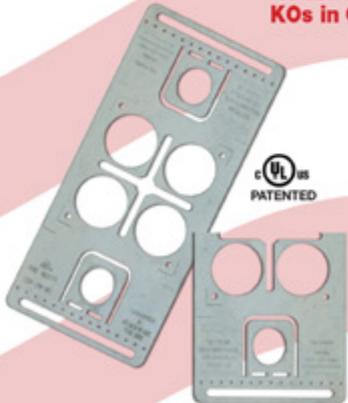
2-Way
with Split Fingers for Horizontal or Vertical Installation



IP6

4-Way

Enter Any KO on All 4 Sides of the Box Plus 4 Large Open KOs in Center Allows Entering Back of Box

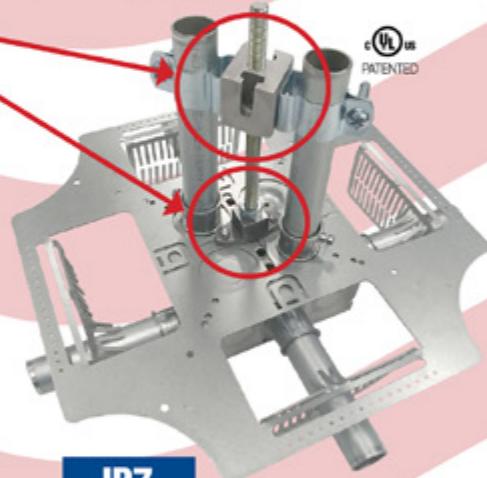


IP6a

2-Way/Half

Enter Any KO on 1 or 2 Sides of the Box Plus Large Open KOs in Center Allows Entering Back of Box

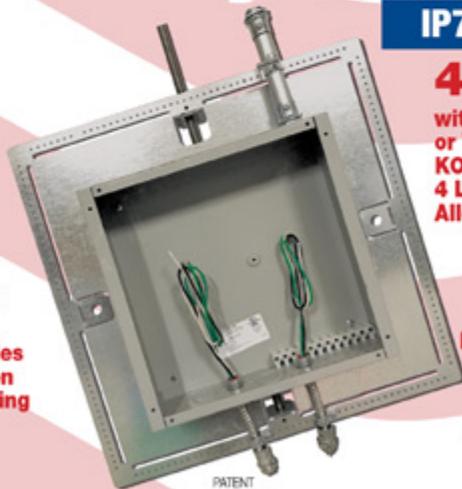
Our Family of Conduit & Box Support Plates Saves Valuable Time & Money!



IP7

4-Way

with Split Fingers for Horizontal or Vertical Installation. Enter Any KO on All 4 Sides of the Box Plus 4 Large Open KOs in Center Allows Entering Back of Box.



PATENT PENDING

IP8

Mount Horizontally or Vertically from One Single Support

20 x 20

Supports up to 12 x 12 J-Box

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