

MARCH 2026

# Electrical

## Products & Solutions™

*The Purchasing Guide for Electrical Contractors*

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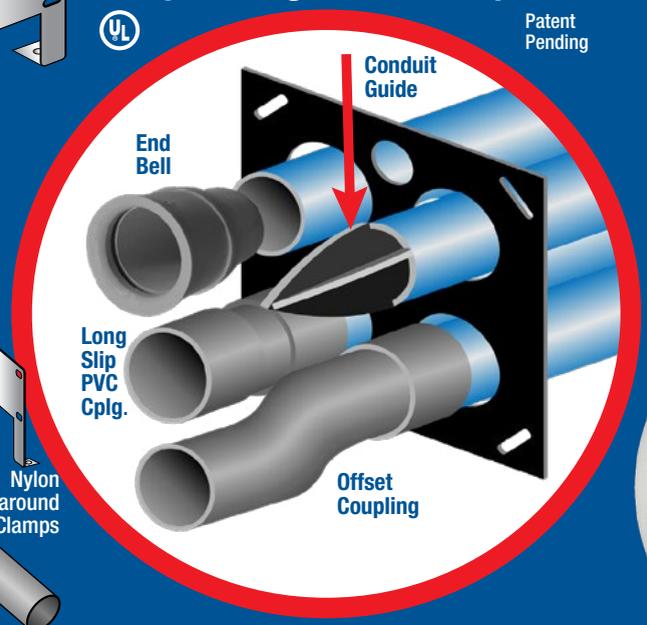
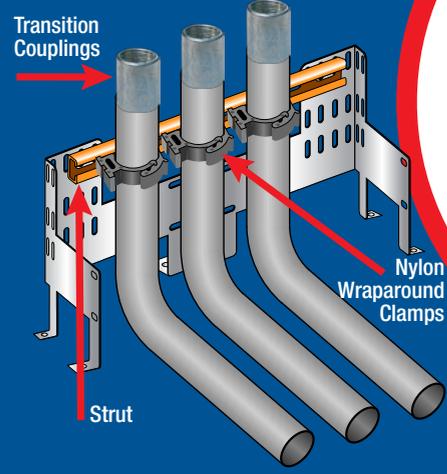
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**COMPANY PROFILE**

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

**COVER STORY**

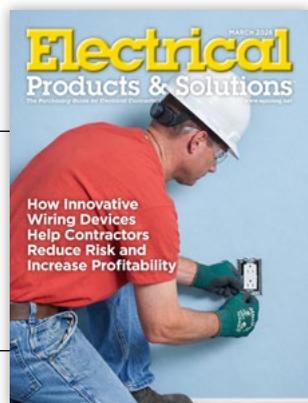
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BY PHILLIP HILL, CSI-CDT

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**ON THE COVER**

Photo courtesy of Legrand



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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](http://www.electricalsafety.com), email  
Vince at: [sales@millersafetyltd.com](mailto:sales@millersafetyltd.com).

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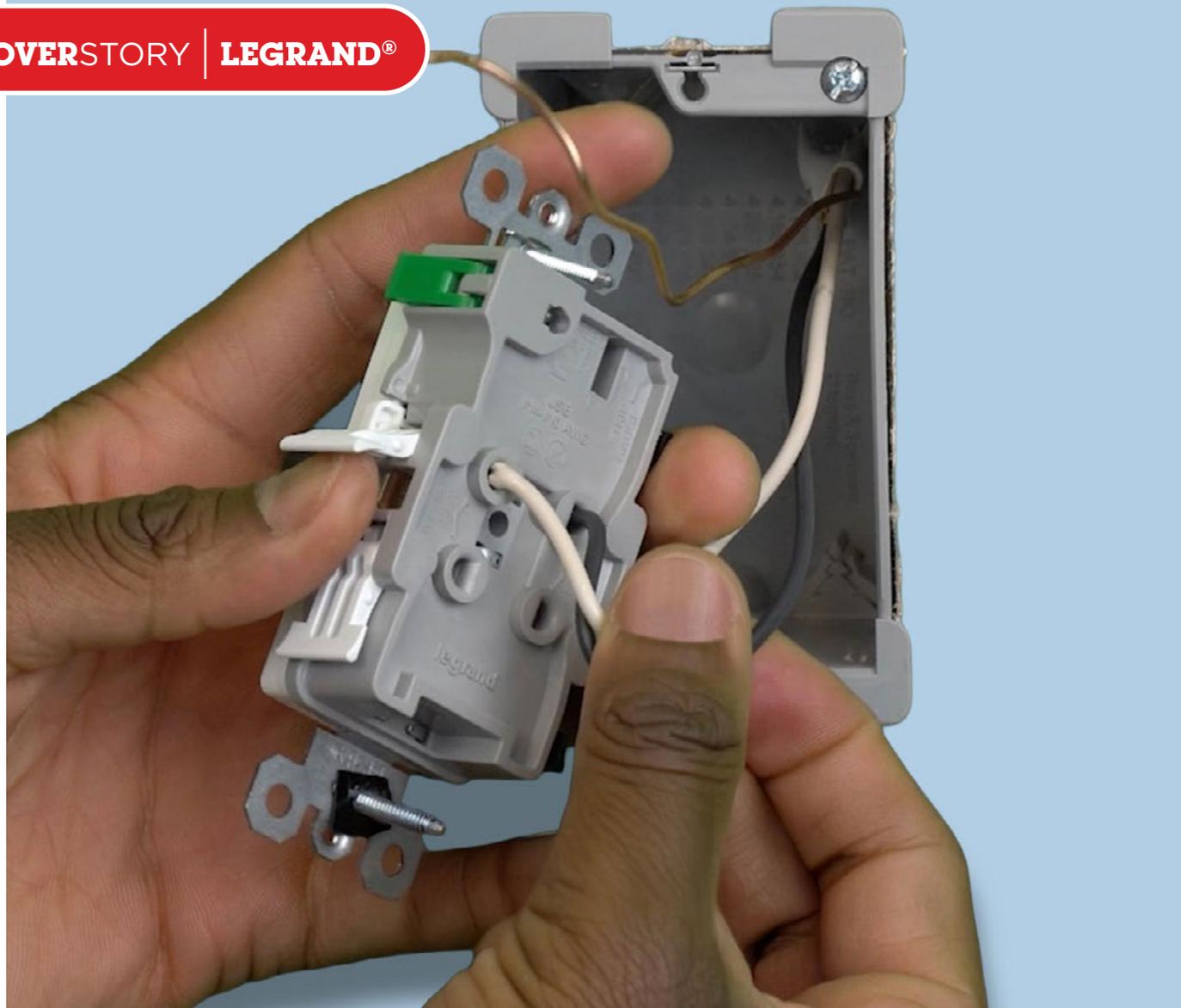
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## How Innovative Wiring Devices Help Contractors Reduce Risk and Increase Profitability

BY PHILLIP HILL, CSI-CDT

**O**n every electrical job, success depends on worker safety and quality connection points.

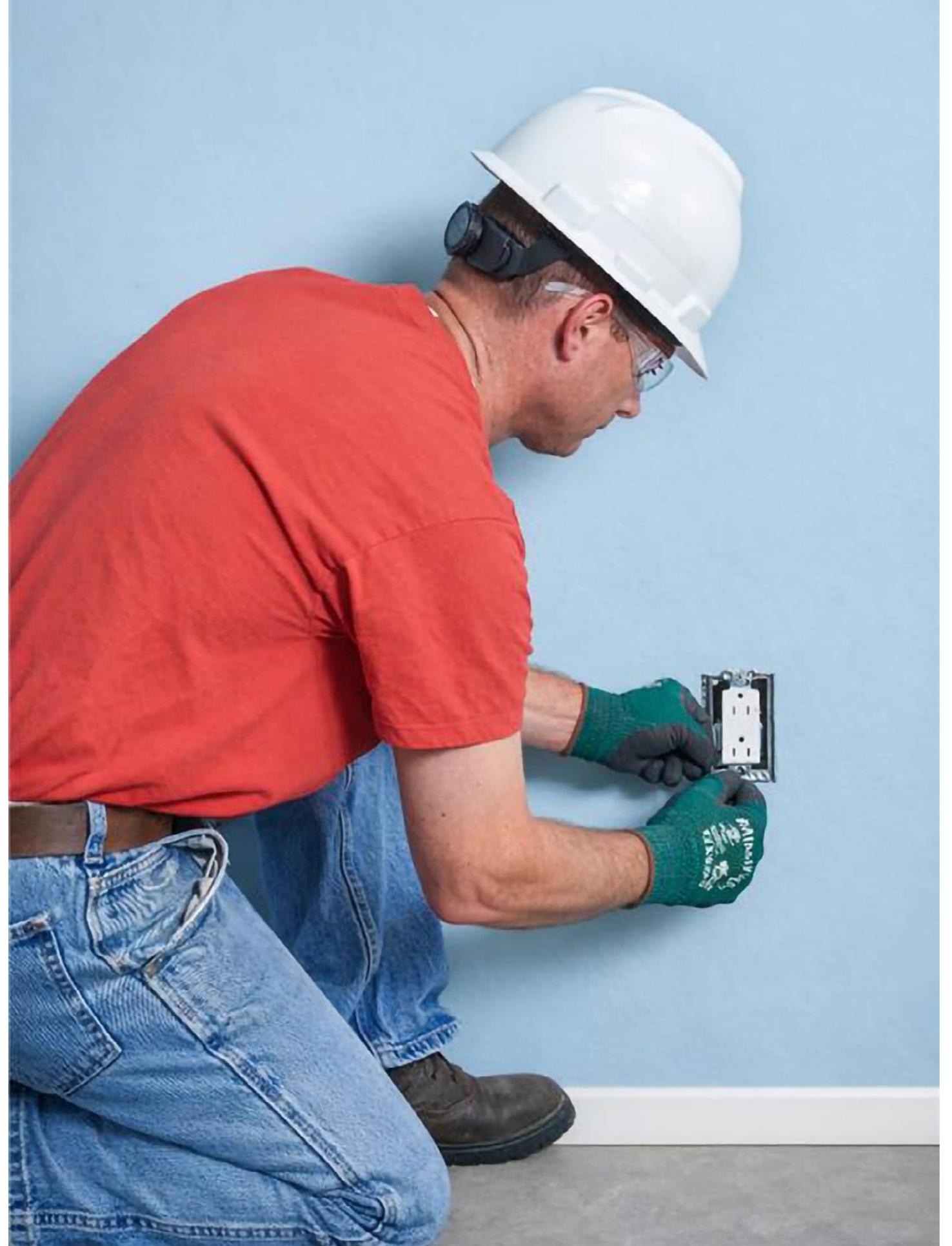
However, relying on power tools can lead to unnecessary risks. Two common, yet costly, mechanical failures occur when utilizing powered drills and specialized torque tools - drill slippage and over-torquing.

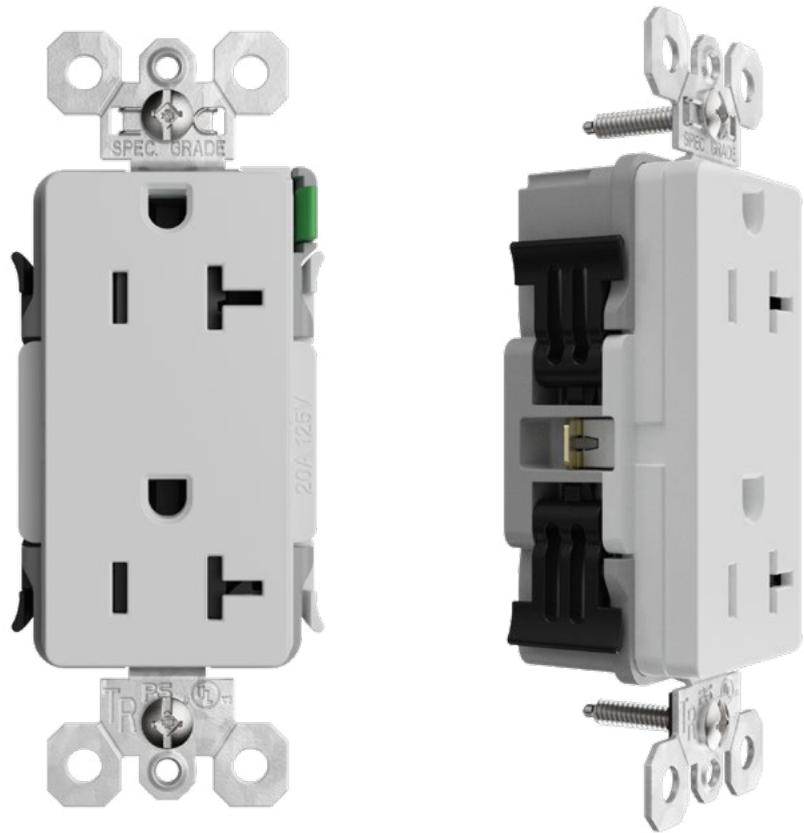
Drill slippage is a common mistake where the fast-spinning bit pops out, potentially causing painful cuts and punctures to the worker. It can also damage expensive finished surfaces like drywall. For contracting firms, these types of hand injuries can result in increased worker compensation claims and significant project delays.

Over-torquing occurs when excessive

force is applied to a terminal screw, causing the device to break, strip or develop stressed connections. It's necessary for contractors to understand the technical consequences of applying excessive force, even if the device doesn't immediately break.

- **Loss of clamping force:** If contractors tighten the connection too much, the soft metal of the wire





(typically copper) gets squeezed out of the clamping area when it heats up. Once the wire cools, that material doesn't return, resulting in a weak, loose connection.

- **Thermal runaway:** Loose connections are dangerous because they emit too much heat due to increased resistance. This cycle of heating, expansion, and contraction further degrades the connection—a scenario known as thermal runaway—which can lead to catastrophic failure.

Over-torqued connections can fail later, leading to expensive rework and long-term liability concerns.

This is where innovative products like tool-free receptacle devices offer a complete solution to address these challenges.

#### Boost Jobsite Productivity and Simplify Compliance

Traditional wiring methods require expensive, specialized tools that must be regularly sent out for calibration—a process that often takes tools off the job

site and costs money. Tool-free devices rely on a built-in design instead of a calibrated tool.

When a contractor secures the wire using only their hands, the force applied is limited to a safe, non-adjustable level. The device itself acts as the calibrated system, eliminating the need for separate torque documentation and simplifying NEC 1110.14(D) compliance.

In addition, when you use a product that makes an audible snap when the connection is fully closed, this instant feedback immediately tells the contractor that the wire is secure—no guessing is needed. This precision is critical because it ensures the connection is tightened just right, preventing destructive effects of over-tightening.

#### Safer Connections and Reduced Repetitive Strain

Choosing products built for hand control eliminates the danger of a fast-spinning drill slipping and causing injury. Tool-free installation also

reduces the strain on skilled labor. Here are two key examples:

- **Ergonomic design:** Features like large, flared levers are simple to grab and move, requiring less effort to close the connection. These larger levers are even designed for easy operation while wearing protective gloves.
- **Reduced MSDs:** For a crew installing hundreds of receptacles, eliminating the repetitive twisting motion associated with screwdrivers significantly reduces the risk of repetitive strain injuries or musculoskeletal disorders (MSDs) in the wrist and forearm. This helps improve the long-term health and retention of skilled labor.

Picture a crew installing hundreds of receptacles in a high-rise residential unit. For a mid-sized firm, eliminating two serious hand injuries a year due to drill slippage could save tens of thousands of dollars in direct medical and legal costs, plus the costs of maintaining a strong safety record!

#### Maximum Efficiency and Quantified Cost Reduction

Beyond improving safety, eliminating the need for multiple tools is a major efficiency gain. It removes the mechanical variables that slow contractors down, like the need to stop and calibrate a tool.

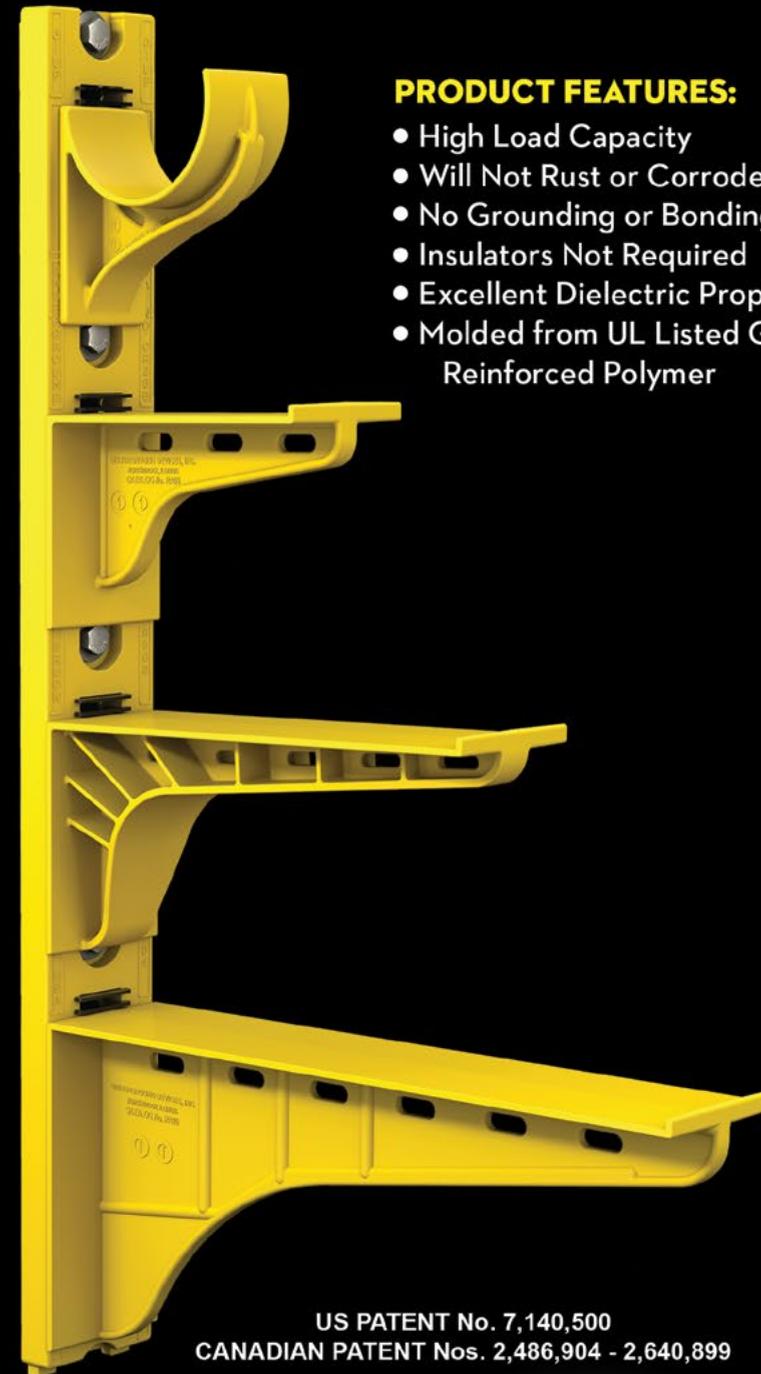
A conventional screw terminal takes around 60 seconds to correctly terminate. However, an innovative product like the PowerHold™ wiring device is significantly faster than conventional methods, allowing contractors to create secure connections in 10 seconds or less. Imagine if a contract firm is working on wiring 5,000 devices for a multi-family dwelling. By using a device that creates secure connections faster the crew could save 50 seconds per device, which translates roughly to more than 69 hours of pure labor time saved on that project.

#### Easy To Use in Prefabrication and Tight Spaces

Eliminating the need for multiple tools simplifies the entire wiring process, especially for installations in tight spots. For example, in the fast-

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



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

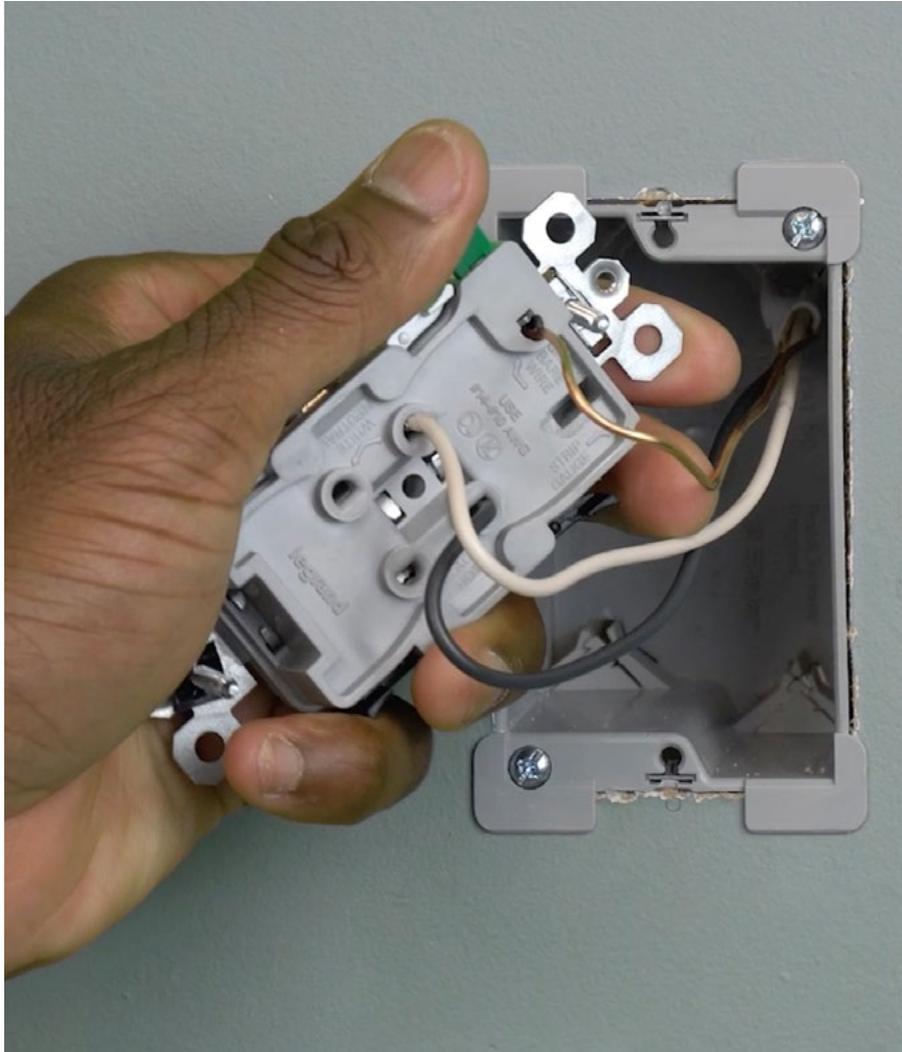


RA08 - 8" arm shown with three cables secured by cable ties.

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one box, preventing the frustration of jamming wires that normally doubles the installation time in tight spaces. To properly align every connection, strip guides can be built right into the receptacle device. This ensures that the wire is inserted correctly every time, boosting reliability and creating cleaner connections by stopping stray pieces of coating from fouling the contact points.

**Elevating Safety, Quality, and the Bottom Line**

The electrical contracting industry is constantly pressured to increase efficiency while maintaining safety and adherence to mandates like NEC 1110.14(D). By removing the reliance on variable, high-pressure power tools and replacing them with inherently calibrated, hand-controlled devices, contractors gain a significant operational advantage.

Innovative wiring devices don't just reduce the risk of debilitating injuries and liability concerns, they transform daily work into a faster, more accurate process. Choosing products built for maximum quality and speed is no longer just about convenience; it is a decisive factor in securing a strong safety record, ensuring code compliance, and achieving a competitive edge in today's high-volume electrical marketplace. □

<sup>1</sup>Source: *Understanding the Multilayered Cost of Workplace Injuries - JobSiteCare* accessed November 4, 2025 <https://jobsitecare.com/blog/cost-of-workplace-injuries/#:~:text=a%20Workplace%20Injury-,Direct%20Costs,injured%20worker%20or%20their%20family.>

paced prefabrication environment, the color-coded levers act as an immediate visual check, cutting down the time spent verifying wire placement.

are especially useful when dealing with shallow outlet boxes common in older buildings or when managing the large bundle of thick wires (like 10 or 12 gauge) required for multiple devices in

**ABOUT THE AUTHOR**

**Phillip Hill, CSI-CDT**, is a Product Manager for Legrand's Pass & Seymour brand, overseeing full life-cycle development and go-to-market strategy for commercial switches, receptacles, and metal wall plates. His portfolio supports healthcare, commercial, MDU/hospitality and prefabrication sectors. Previously, Phillip worked in the NYC metro market as a Specification Consultant, partnering with MEP engineers, developers, and end users on their construction project requirements. He has been with Legrand since 2012.



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# Robroy Appoints Lester Sales to Represent Plasti-Bond®, Rocket Rack®, and Robroy Stainless® in Indiana, Kentucky, and Michigan

**R**obroy Industries announced recently that Lester Sales has been appointed as the authorized manufacturer's representative for Plasti-Bond®, Rocket Rack®, and Robroy Stainless® across the states of Indiana (excluding counties of Lake, Porter, La Porte, and Starke), Kentucky, and Michigan, effective immediately.

Lester Sales brings a strong track record of technical knowledge, customer support, and market relationships that align with Robroy's long-standing dedication to performance and reliability in demanding electrical applications.

"Lester Sales has consistently demonstrated the level of professionalism, market insight, and customer commitment we look for in a representative partner," said Chris Caldwell, National Sales Manager at Robroy Industries. "Their team understands the importance of dependable solutions in real-world environments, and we're confident they will serve as strong advocates for our raceway brands."

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"Expanding our representation of Plasti-Bond, Rocket Rack, and Robroy Stainless into new territory is an exciting opportunity for our team and allows us to better serve a wider region," said John Scott, CEO of Lester Sales. "Robroy's brands are known for their proven performance in critical

environments where reliability matters most. We look forward to strengthening relationships throughout Indiana, Kentucky, and Michigan and helping customers find the right solutions for their applications."

To learn more about Lester Sales, visit [www.lestersalesco.com](http://www.lestersalesco.com). □

## ABOUT PLASTI-BOND

Plasti-Bond, a Robroy brand, offers a complete system of PVC-coated conduit, fittings, and accessories, providing proven performance and maximum protection for electrical raceway systems in demanding and corrosive environments. Over 60 years ago, Plasti-Bond was the first to pioneer PVC-coated rigid metal conduit, and today, we continue to innovate and lead the electrical products market in quality and safety. For more information, visit <https://plastibond.com>.

## ABOUT ROBROY STAINLESS

Robroy Stainless, a Robroy Industries brand, offers high-performance stainless steel electrical raceway systems engineered to meet the rigorous demands of both industrial and food-grade applications. From installation in harsh manufacturing facilities to sanitary processing plants, Robroy Stainless' complete lines of stainless steel conduit, fittings, and accessories are designed to work together as an installed system to withstand corrosion, deliver unmatched hygienic protection, and simply installation in environments where failure is not an option. For more information, visit [www.robroystainless.com](http://www.robroystainless.com).

## ABOUT ROCKET RACK

Rocket Rack®, a Robroy® Brand, offers pre-engineered, factory-fabricated sanitary support systems for electrical infrastructure, such as conduit, basket tray, process piping, and mechanical framing. Designed for hygienic environments, Rocket Rack provides an ideal alternative to traditional strut channels, wall mount brackets, or custom mechanical framing, ensuring installations are faster, cleaner, and safer. For more information, visit [www.rocket-rack.com](http://www.rocket-rack.com).



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## Ventilux Celebrates 40 Years of Excellence with Global Growth, Innovation and a People-First Culture



Ventilux is celebrating a major milestone in 2026 as the company marks 40 years in business, a journey built on technical excellence, continuous innovation and a strong people-first culture that has remained at the heart of the business since its founding.

What began as a family-led enterprise has grown into an internationally recognised emergency lighting manufacturer, still guided today by the same core values that shaped its early years. Generations of knowledge and passion now sit at the heart of the company, with long-serving team members working alongside newer talent to drive innovation forward. Today, Ventilux benefits from well over 1,000 years of combined team experience, providing a rare depth of

expertise across design, engineering, manufacturing and support.

From modest beginnings, Ventilux has expanded into a global operation, employing more than 65 people, supplying over 25 countries, and operating from two key headquarters - its primary base in County Wicklow, Ireland, and its UK headquarters in Liverpool. These are supported by a 35,000 sq. ft state-of-the-art production facility, where more than 500 product lines are designed and manufactured.

Despite its international footprint, Ventilux remains firmly rooted in its founding principles of collaboration, integrity and doing things the right way. Values that continue to shape how the company designs, manufactures and supports life-saving lighting solutions.

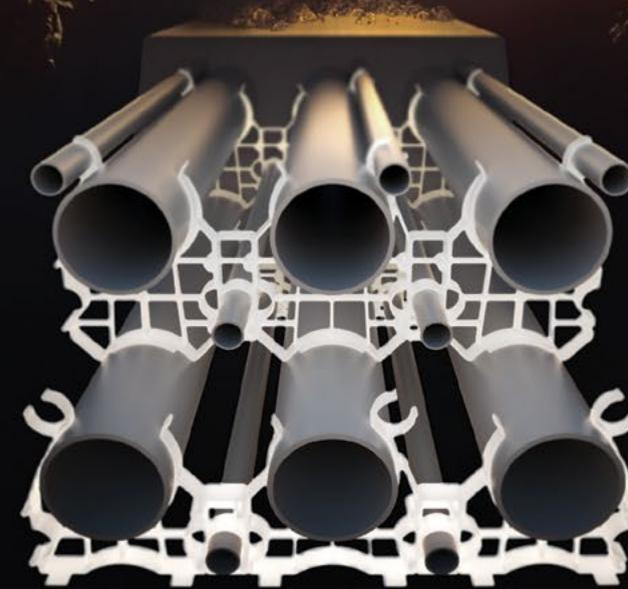
As Ventilux marks its 40th anniversary in 2026, the past year has built strong

momentum for this milestone, with award nominations, major new product launches, and high-profile project wins across the UK, Ireland and the Middle East. Notable highlights include significant installations at both Dublin Airport and Manchester Airport, reinforcing Ventilux's reputation for delivering reliable, compliant and technically advanced emergency lighting solutions in some of the most demanding environments.

Over four decades, technology has fundamentally changed how Ventilux develops and delivers its emergency lighting solutions.

Neil Whittingham, Ventilux UK Technical Manager, explains, "Technology has enabled a substantial evolution in how we approach emergency lighting. From a product design perspective, we now use

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advanced CAD software to create highly detailed models and renders that support precision engineering from the very earliest stages. LED luminaires are now at the core of our product portfolio, allowing us to maximise efficiency, performance and product lifespan while supporting sustainability goals.

Our lighting design engineers can now virtually walk into building designs using 3D models, which helps us fully understand architectural constraints and aesthetic considerations. At a systems level, we can integrate into smart buildings using APIs over IP, providing BACnet or MQTT data. Whether it's cloud-based testing or central battery systems, BMS integration is now easily achieved, which is a major step forward for building operators."

For many within the business, the 40-year milestone is both a professional and personal achievement.

Neil adds, "I'll be entering my 26th year with Ventilux, and I've also represented the industry on the

LIA Emergency Lighting Technical Committee for nearly 12 years. I've been fortunate to witness firsthand how technology and innovation have shaped market requirements, and how Ventilux has consistently aligned its strategy to meet and often exceed those expectations. We've grown into a company that genuinely influences the market, delivering innovative and complex solutions for major projects, while building a mature brand our customers trust.

We also have exceptionally high employee retention and a huge depth of expertise across the group, which benefits both our customers and the mentoring of new starters. That continuity is a real strength."

Company culture has played a defining role in Ventilux's history and success. Built on leadership continuity, strong investment in people through apprenticeships and career progression, a customer-centric approach to innovation, and a rigorous focus on

quality and compliance supported by ISO standards and testing regimes.

For long-serving team members, the company's values remain as relevant today as they were four decades ago.

Jimmy McGrath, Production Manager at Ventilux, says, "For me, the core values have always been about opportunity, encouragement and respect. People are given the chance to advance within the organisation and are encouraged every step of the way. That culture of respect makes a huge difference - it's what keeps people motivated and loyal. It's shown me that it's possible to have a good work-life balance when you find a career that suits you, especially when you're respected by the organisation and encouraged to progress. That's something Ventilux has always done well."

While the anniversary offers a moment to reflect, Ventilux's focus remains firmly on what comes next.

Ian Walsh, Group Managing Director, says: "Reaching 40 years is a proud milestone, but what excites me most is what lies ahead. We're continuing to invest in product development, smarter systems and new technologies that will support safer, more sustainable buildings. Our team's depth of experience, combined with fresh ideas and emerging technologies, puts us in a strong position to keep pushing standards forward and delivering solutions our customers can rely on for the next generation."

With sustainability, system intelligence and long-term reliability forming central pillars of development, 2026 will see further advancements designed to meet evolving regulatory, environmental and operational demands across global markets. □

**ABOUT VENTILUX**

Ventilux designs, manufactures and offers an extensive range of safety system products and services, including Emergency Lighting, Central Battery Systems, Luminaire Conversion Equipment, Emergency Lighting Commissioning, Service and Maintenance. Ventilux was founded in 1986, and has since grown steadily to become one of the largest Independent Emergency Lighting Manufacturers in Europe & the Middle East. The Head Office in Bray, Co.Wicklow, Ireland, is the centre of the Ventilux operation, with over 35,000 sq. ft. of state-of-the-art production facilities, research and development laboratories, in house training centre and global distribution warehouse. Liverpool is the UK base for distribution, sales order processing and in-house conversions. Ventilux operate, and are certified to, ISO: 9001:2015. Modern manufacturing technology combined with stringent quality control ensures that Ventilux products provide the customer with top quality and excellent value for money. In Ventilux we have a highly experienced and talented R&D Department who are consistently designing products that reduce contractors' project costs and also reduce our clients' day-to-day costs. For more information visit [www.ventilux.com](http://www.ventilux.com).



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**4-Conduit Block**

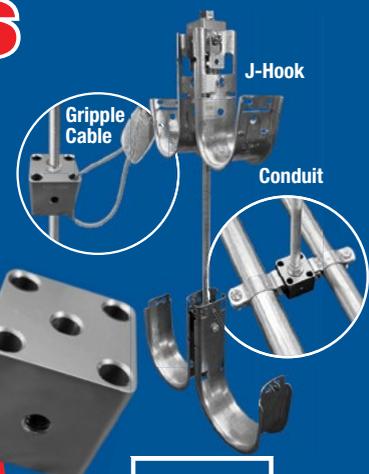
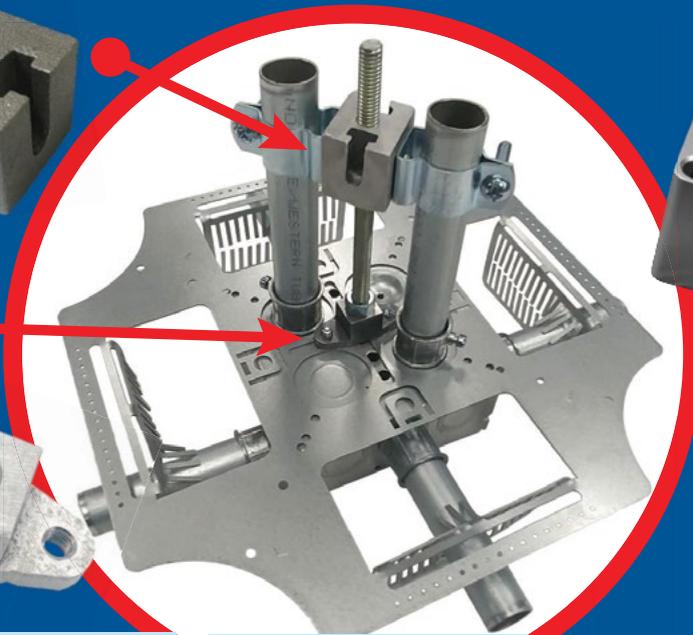
Vertical support from only one 1/4", 3/8" or 1/2" threaded or threadless rods 1/4" or 3/8" threaded holes on the side along with slots for hex head bolts for hardware are provided for conduit support.



**IP21a**

**QwikBlock**

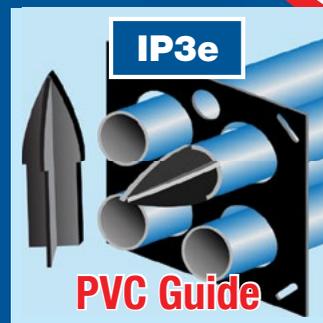
Vertical support from only one 1/4", 3/8" or 1/2" threaded rod by attaching two machine screws 1/4" x 20 thru the existing holes in back of the box Eliminates knocking out center KO on box and traditional nut and washer method to support a single box.



**IP20a**

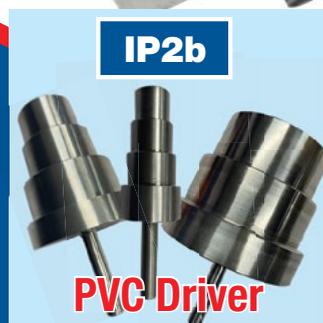
**Box Support Rod Cubes**

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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## Leviton Celebrates 120 Years of Innovation

*Company milestone represents Leviton's long-standing commitment to powering and connecting everyday spaces*

Leviton, a leading manufacturer of electrical, lighting, data network and energy management solutions that light, power and connect everyday spaces, is celebrating the 120th anniversary of its founding this year.

Established in 1906, Leviton began as a small tinsmithing business founded by Isidor Leviton, where he produced mantle tips used for gas lighting. Since those humble beginnings, Leviton has grown from a single-product manufacturer into a global leader delivering comprehensive solutions across electrical wiring devices, lighting and controls, data networking and energy management. Today, Leviton products are found in homes, commercial spaces such as offices and healthcare facilities, data centers,

schools, industrial environments and more – supporting safe, reliable, and increasingly connected spaces.

“For 120 years, Leviton has been guided by a clear vision – to transform potential into possibility. From electrifying homes in the early 1900s to enabling today’s data-driven world, our journey has been one of continuous evolution and innovation,” said Leviton CEO and President Daryoush Larizadeh. “We remain at the forefront of industry change, driven by an unwavering commitment to operational excellence, customer focus and a deep-seated belief in innovation, safety and entrepreneurial spirit. This anniversary celebrates our ongoing dedication to powering the future.”

Leviton remains focused on advancing solutions that enable smarter buildings,

resilient infrastructure and sustainable growth – all while embodying the entrepreneurial spirit that sparked its founding in 1906 and continues to profoundly shape its trajectory today. Throughout 2026, Leviton will be celebrating this milestone with special programming, including historical content on [leviton.com](http://leviton.com), global employee engagement events and interactive social media campaigns under #Leviton120.

“This milestone is an opportunity to look ahead to the next 120 years of innovation,” said Larizadeh. “The world is rapidly moving toward smarter electrification and converging technologies that demand increased connectivity. Leviton is dedicated to building the essential foundation that will empower the built environment of tomorrow.” □

### ABOUT LEVITON

Every day, Leviton builds what's next to light, power and connect everyday spaces to meet the needs of its residential, commercial and industrial customers globally. From controls, to lighting, to electrical, to networking, Leviton's relentless innovation for more than a century enables our customers' lives to be easier, safer, more efficient, productive and sustainable. Driven by its commitment to its customers, the ingenuity of its employees, and the safety and quality of its products and solutions, with Leviton, the FUTURE IS ON. For more information, visit [www.leviton.com](http://www.leviton.com).



# CANNON iK

## ELIMINATE HAND PULLS & INCREASE JOBSITE EFFICIENCIES.



**Cementex Highlights Screwdriver DriveHandle® for Versatile, Insulated Socket Applications**

*1/4" Square Drive Tool Delivers 1000VAC / 1500VDC Protection with Ratchet and Torque Wrench Compatibility*

Cementex, the safety tool specialists, highlights its Screwdriver DriveHandle®, a driver-style insulated tool designed to function like a screwdriver for sockets while providing the electrical protection required for energized applications. Engineered for versatility and control, the Screwdriver DriveHandle® features a 1/4" square drive head, a 6" insulated steel shaft, and a Cushion Grip Handle for comfort and secure handling in demanding work environments.

The Screwdriver DriveHandle® includes a 1/4" isolated DriveHandle® that allows the use of a ratchet or torque wrench, giving technicians added flexibility when fastening or loosening hardware in confined or torque-sensitive applications. With a maximum torque rating of 10 foot-pounds, the tool is ideal for controlled fastening tasks where precision and safety are critical.

Part number SD14-6-CG designates the 1/4" square drive x 6" Cushion Grip configuration, offering a compact yet durable solution for professionals working on or near live electrical systems. Like all Cementex double-insulated tools, the Screwdriver DriveHandle® is tested to 10,000 VAC and rated for 1,000 VAC / 1,500 VDC for live use.

Cementex double-insulated tools comply with IEC 60900 and ASTM F1505 standards and help users meet OSHA Safety-Related Work Practices, NFPA 70E, and CSA-Z462 requirements. Each tool is manufactured in the USA with domestic and global materials and marked with the international safety symbol (double triangle) and 1000V designation, reinforcing Cementex's commitment to user safety and product integrity.

The Screwdriver DriveHandle® is well suited for professionals in the electrical utility, industrial maintenance, manufacturing, renewable energy, data center, transportation, and electric vehicle industries where exposure to energized components demands insulated tools that deliver both performance and protection.



**For more information, visit [www.cementexusa.com](http://www.cementexusa.com)**



**Dynamic® Tools Expands Insulated Tool Offering with New VDE-Certified Insulated Metric Nut Driver Set**

Dynamic® introduces its 8-Piece Metric Insulated Nut Driver Set. Featuring sizes from 5 mm through 11 mm, the new set offers superior protection up to 1,000V, providing safety and compliance for industrial electricians, maintenance technicians, and electrical professionals.

Each nut driver is made from chrome vanadium steel for strength and durability with precisely machined openings for an exact fit on fasteners. The ergonomic non-slip handles provide excellent comfort and control with flat areas designed for roll-off prevention. Sizes are

clearly marked on each tool for easy identification.

For maximum protection against electrical shock, the tools are insulated via injection molding and are VDE certified in compliance with IEC60900. To provide customers with peace of mind, the set is backed by a limited lifetime warranty through Dynamic's parent company, Gray Tools.

"This product reflects exactly what we aim to deliver with the Dynamic brand: certified safety, industrial performance, and real-world value," said Dragos Baicoianu, Marketing Manager at Gray Tools. "We see a growing need for insulated tools that meet international standards but remain accessible for maintenance teams, contractors, and facilities that provide equipment for technicians."

The insulated nut driver set can be purchased at [shopdynamictools.com](http://shopdynamictools.com), [amazon.com](http://amazon.com) and other reputable online retailers.

Introduced in 2009, the Dynamic® tool brand was created by Gray Tools, a renowned North American manufacturer and distributor of premium hand tools founded in 1912, to meet the need for high quality tools at a budget-friendly price. Today, the Dynamic line consists of more than 2,500 products, including sockets, wrenches, pliers, hammers, chisels, locking tools and clamps, which are fully serviced and warrantied by Gray Tools.

**For more information, visit [www.ShopDynamicTools.com](http://www.ShopDynamicTools.com)**

**Affordable test equipment for 2026**



**Spitfire** - Buried Low Voltage Cable Fault Locator

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



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### SolaHD RED Modules Deliver Mission-Critical Power Redundancy for the Harshest Industrial Environments

SolaHD™, a brand of Emerson, has announced its Power Supply Redundancy (RED) Modules, a new line of compact, high-performance units engineered to eliminate single points of failure in critical power supply architectures. The modules continuously monitor two parallel power supplies and seamlessly migrate load from a failing supply to its healthy counterpart, ensuring uninterrupted operation before downtime ever occurs. Accepting a wide input voltage range of 10.8–30.8 V DC (SELV) and supporting a nominal output of 12–28 Vdc with inverse battery protection, SolaHD RED Modules are purpose-built for critical applications like process control, remote locations, or production systems where power interruption cannot be tolerated.

**Seamless Power Handover:** Traditional power architectures leave facilities vulnerable to cascading failures. SolaHD RED Modules change the equation by continually monitoring the condition of the two connected power supplies. Under normal conditions, both supplies can share the load current thanks to built-in current sharing in compatible SolaHD units. If one power supply fails, such as output voltage drops below a threshold, the module automatically and seamlessly shifts the entire load to the remaining healthy supply without interruption or significant voltage drop.

**Cooler Operation than Diodes:** Standard diode-based designs generate excess heat that accelerates component wear and increases thermal load within enclosures. In place of diodes, SolaHD RED Modules leverage internal MOSFETs to isolate the outputs of the connected power supplies. MOSFETs run more efficiently and with lower heat generation than diode-based alternatives. The result is an extended service life for both the power supplies themselves and every sensitive component sharing the same enclosure.

**Maximum Reliability:** SolaHD RED Modules are engineered and certified to operate where the stakes are highest. Rated for operation across a -20°C to +70°C temperature range and compatible with both 50 and 60 Hz installations worldwide, RED Modules perform without compromise from the factory floor to the field. Diagnostic LEDs provide at-a-glance load balancing visibility, empowering maintenance teams to act proactively, not reactively.

Full international certifications cover both Ordinary (Unclassified) and Hazardous (Classified) Locations, meeting the rigorous standards demanded by global industry including: cULus, cRUus, CE, ATEX, IECEx, ExEAC, and RoHS. Additionally, RED Modules carry ABS and DNV-GL Approval, affirming their suitability for marine and offshore applications where reliability is non-negotiable.

RED Modules are designed for maximum interoperability. They are fully compatible with SolaHD SDN-D, SDN-C, and SDN-P Series power supplies, and work with virtually any power supply capable of parallel operation, protecting existing investments while future-proofing new installations. Their compact form factor and DIN-rail mounting minimizes panel space consumption without sacrificing capability.

SolaHD RED Modules are supported by a 5-year limited warranty, a reflection of the engineering precision and build quality that defines every SolaHD product.



For more information, visit [www.solahd.com](http://www.solahd.com)

### Maxlite's L-Max Linear Architectural Luminaire

Introducing the new L-Max Linear Architectural Luminaire compact, high-performing solution for architectural and commercial interiors. The DLC Listed L-Max Linear Architectural Luminaire provides a sleek and modern aesthetic to offices, retail spaces, supermarkets, stairwells, and other applications that demand high-quality, cost-competitive lighting.

**Features and Options:**

- 3 Sizes (2', 4', and 8')
- 3 Connectors (X, T, L Connectors)
- Multiple Mountings
- Up/Down Illumination
- Watt/CCT Selectable
- Press Fit Connect
- Controls ready with c-Max box
- DLC Listed and 90 CRI
- Lumen output: 1,100 - 8,800lm
- Wattage Range: 10W-80W
- CCT Range: 2700K - 5000K
- EM available on 4ft and 8ft models
- Also available in Black

For more information, visit [www.maxlite.com](http://www.maxlite.com)



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EMT in minutes**

**Great for wiring  
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& pumps.**

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

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PENDING**



**1/2" thru 4"**

**Transition Couplings**

Size	Catalog #
1/2"	50-LT-EMT
3/4"	75-LT-EMT
1"	100-LT-EMT
1-1/4"	125-LT-EMT
1-1/2"	150-LT-EMT
2"	200-LT-EMT
2-1/2"	250-LT-EMT
3"	300-LT-EMT
3-1/2"	350-LT-EMT
4"	400-LT-EMT

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**IP13bb**

**Legrand Brings 65W USB-C Charging to adorne Collection**  
Fastest USB wall outlet now available in Legrand's signature designer series

Legrand®, a global leader in electrical and digital building infrastructures, is redefining in-wall charging with the launch of its adorne® 65W USB Type-C Outlet with Power Delivery. Designed for spaces where performance and aesthetics must coexist, this new outlet delivers category-leading charging speed and modern device compatibility within Legrand's signature designer-grade wiring device collection. Posh and powerful, the adorne 65W USB Type-C Outlet supports fast, direct-to-wall charging while elevating the overall look and feel of luxury residential interiors.

**Power Meets Luxury: High-Speed Charging with a Designer's Touch**

Featuring dual USB Type-C ports with Power Delivery, the outlet delivers up to 65 watts per port, providing fast, reliable charging for laptops, tablets, and smartphones. Compatible laptops can charge from 0 to 50 percent in under 45 minutes, allowing users to plug directly into the wall and eliminate bulky power adapters for a cleaner, more streamlined look. The adorne 65W USB Type-C Outlet pairs premium design with category-leading charging performance, delivering speeds not offered by competitive outlets available on the market today.

The outlet features an industry-exclusive charging status indicator light, which glows yellow while a device is actively charging and turns green when the battery is sufficiently charged. For added convenience and security, Legrand's signature tamper-resistant black invis-shutters blends seamlessly into the device face while protecting against improper insertion of foreign objects. The outlet is also UL Listed and includes built-in protection against juice jacking, helping safeguard both devices and sensitive data when used in public or shared environments.

Designed for versatility, the outlet is available in multiple configurations, including 15A, 20A, and USB-only versions to suit a variety of residential and commercial applications. It installs in a standard electrical box and pairs with more than 40 adorne Wall Plate colors and finishes across materials including glass, metal, and wood, empowering designers and homeowners to create a cohesive, elevated aesthetic throughout the home.



**For more information, visit**  
[www.legrand.us/usb](http://www.legrand.us/usb)

**LS ELECTRIC America Highlights its Molded Case Circuit Breaker (MCCB)**

Low-voltage molded case circuit breaker delivering high-capacity performance, advanced protection, and flexible configurations for industrial and commercial power systems

LS ELECTRIC America, a global leader in power distribution, is highlighting its Susol UL Molded Case Circuit Breaker (MCCB). This advanced low-voltage platform is engineered for high reliability and safety, simplifying the specification process for OEMs and consulting engineers across critical industrial and commercial power systems.

From 15A branch circuits to 1200A feeders, the Susol UL MCCB series offers a single-product solution for diverse power systems. Engineers can select breaking capacities (Icu) up to

100kA and (Ics) ratings of 80% or 100% to guarantee performance under fault conditions. The UTE and UTS series include seven frame sizes, providing the flexibility to balance load requirements, panel space, and project costs perfectly.

To support the diverse demands of modern system architectures, the Susol UL MCCB is available in both 2-pole and 3-pole configurations, making it a seamless fit for both single-phase and three-phase installations. Whether deployed in industrial manufacturing, or critical infrastructure applications, the series offers a tailored protection strategy. Customers can choose between fixed or adjustable thermal-

magnetic trip units (FTU, FMU, ATU, MCP) for reliable feeder protection, or opt for advanced electronic trip units (ETS, ETM, OCR) to unlock superior monitoring, setting capabilities and overall system coordination. This extensive range of MCCB empowers users to perfectly balance simplicity, functionality, and cost-efficiency for every project.

The Susol UL MCCB is fully compliant with UL 489 and CSA for North American markets, while IEC 60947-2 CB certification supports global standardization for multinational OEMs.

Additionally, its Class 1E rating qualifies the platform for highly critical safety environments, including nuclear power plants, confirming its robustness for the most demanding applications.



**For more information, visit**  
[www.lselectricamerica.com](http://www.lselectricamerica.com)

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DISTRIBUTOR OF**



**Deluxe Geared Maintenance Tool Kit**

**Cementex 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

**Cementex 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 Cementex 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 Cementex IKG00-11 glove kit:**

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



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**Wieland Electric Introduces selos® NEW GENERATION – New Portfolio of DIN-Rail Terminal Blocks**

Wieland Electric announces the launch of the selos® NEW GENERATION series, a new line of compact push-in and screw terminal blocks designed to deliver higher performance through space savings, reduced installation and maintenance costs, and improved engineering workflows. As part of the launch, Wieland has introduced digital tools such as selosPLAN for DIN rail assembly design and expanded product data on the ePLAN Data Portal to streamline design and planning. In addition, new modern marking systems support both thermal transfer printing from continuous reels and laser printing for marker cards, ensuring clear and accurate identification for every installation.

The WTPN Series features push-in spring pressure technology, enabling fast, tool-free wiring. Solid and ferruled conductors push in directly, while stranded wires can be inserted using an integrated push button, ensuring secure, vibration-resistant connections regardless of operator experience. Additional features such as push-in jumpers, integrated test points, and snap-on ground terminals, further reduce installation time and improve reliability. With UL and CSA approvals up to 82 A and a wire range of 26–4 AWG, the WTPN Series offers a complete solution for motor, sensor, pluggable, diode, fuse, and test terminal applications.

The WTN Series modernizes the proven screw connection with enhanced reliability and faster installation. Key features include a universal screw head (flat or Phillips), vibration-resistant clamping, snap-on ground terminals, and push-in jumpers. With UL and CSA approvals up to 380 A and a wire range from 26 AWG to 500 kcmil, the WTN Series is a robust solution for demanding industrial applications.



SELOS NEW GENERATION  
**SCREW + PUSH-IN  
DIN-RAIL TERMINAL  
BLOCKS**



For more information, visit [www.wieland-electric.com](http://www.wieland-electric.com)

**Nelson™ Type NC Constant Wattage Heat Trace Cable Maintains Temperatures in Critical Industrial Processes**

*Reliable Parallel Resistance Cables Maintain Flow Even if Damaged*

Emerson's Nelson™ Type NC Constant Wattage Heater Cables deliver proven, dependable performance for process temperature maintenance and freeze protection in the most demanding industrial environments. NC cables have undergone rigorous testing to verify they meet specific fire prevention and performance standards set by Factory Mutual (FM) for ordinary and hazardous locations, ensuring safe and reliable thermal performance where fluid flow interruption isn't an option.

**Parallel Resistance Eliminates Single Points of Failure**

Nelson NC heater cables employ parallel resistance with nichrome heating elements spirally applied around dual 12-gauge nickel-plated copper bus wires. Zoned construction ensures consistent heat output even if the NC cable is damaged, unlike series resistance designs that fail catastrophically. Only the affected zone stops heating, while the rest of the NC cable continues to function normally. A fluoropolymer sheath provides superior dielectric strength and moisture resistance, while an extruded overjacket protects against impact and abrasion in high-traffic industrial settings.



**Application from Pipelines to Dust Suppression**

Designed for product pipelines, process water systems, lube oil lines, condensate return, and dust suppression applications, Nelson NC Cables supply power densities up to 12 watts per foot at 208 or 240 VAC. The system maintains process temperatures up to 300°F across cable lengths extending to 665 inches, with voltage options spanning 120 VAC through 277 VAC to match virtually any industrial electrical infrastructure.

**Built for Harsh Industrial Environments**

Standard construction includes stranded tinned copper metal braid for electromagnetic shielding and grounding. For mechanically abusive applications, optional stainless steel braid provides additional protection. When wet or corrosive conditions are present, customers can specify the optional fluoropolymer over jacket for enhanced chemical resistance.

Nelson NC cables are certified for installation in Class I, Division 2 and Class II, Division 2 hazardous locations containing flammable gases, vapors and liquids, or combustible dusts. Common applications would include fuel storage areas, utility gas plants, solvent processing, pharmaceutical manufacturing, grain elevators, and pipelines in oil facilities.

For more information, visit [www.appleton.emerson.com/nelson](http://www.appleton.emerson.com/nelson)

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



Save at Least **1 Hour** per Installation.

**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**

See Our Conduit Plug See page IP27c



See Our REAMING BITS for Transition Couplings



See page IP15

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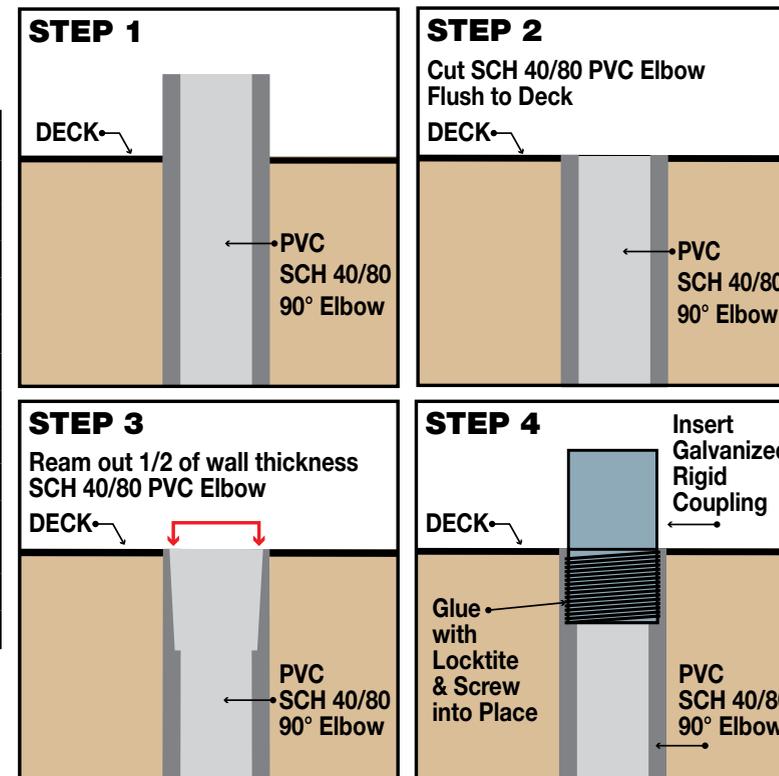
Saves a great deal of time transitioning from PVC conduit to Rigid Conduit above slab without damaging PVC risers and chipping concrete eliminating a concrete repair job!

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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PVC Bell End Adapter  
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- Conduit Repair Systems, Inc. - The World Leader in Split Conduit Products
- DMF Lighting Expands its M Series Commercial Collection with High Lumen Packages for Hospitality and Mix-Use Spaces
- New Multi-Tester from Klein Tools® Combines Core Electrical Products into One Model
- HPS Launches SineWave Filter To Safeguard Motor and Cables



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

**IP5**

**"The Original"**

Enter Any KO on Both Sides of the Box



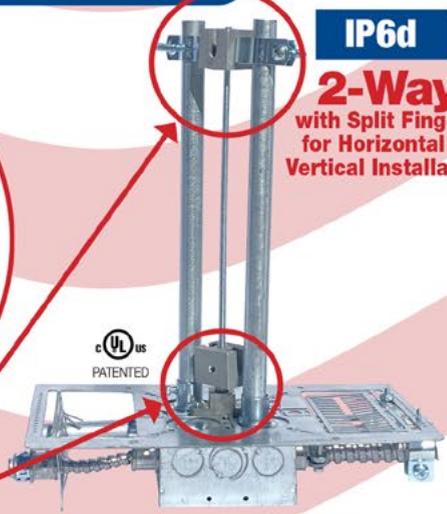
**IP19/20**  
4-Conduit Block  
PATENTED

**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

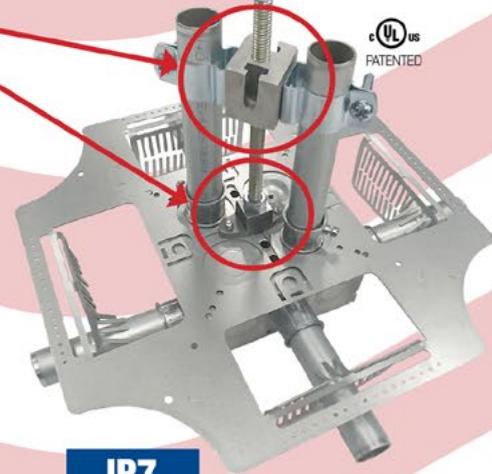


**IP6**

**4-Way**

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

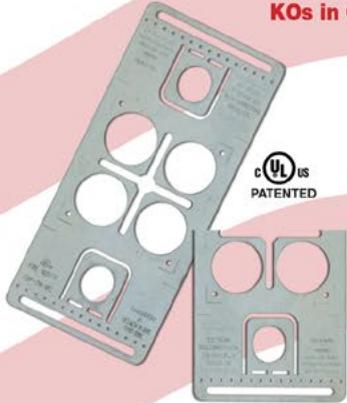
## Our Family of Conduit & Box Support Plates Saves Valuable Time & Money!



**IP7**

**4-Way**

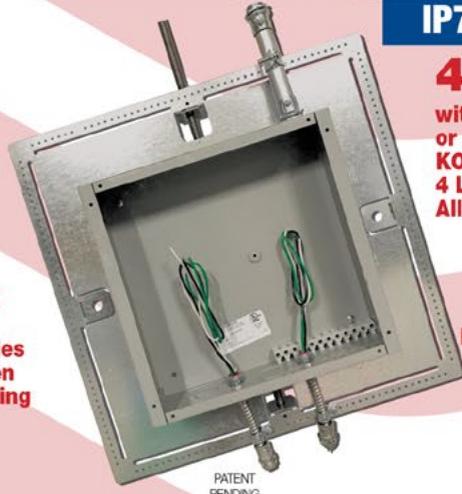
with Split Fingers for Horizontal or Vertical Installation. Enter Any KO on All 4 Sides of the Box Plus 4 Large Open KOs in Center Allows Entering Back of Box.



**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



PATENT PENDING

**IP8**

Mount Horizontally or Vertically from One Single Support

**20 x 20**

Supports up to 12 x 12 J-Box

**28 x 28**

Supports up to 20 x 20 J-Box

**MADE IN THE USA!**

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

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