

FEBRUARY 2025

Electrical

Products & Solutions™

The Purchasing Guide for Electrical Contractors

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Submetering:
*Unlocking Hidden
Revenue Streams for
Electrical Contractors*



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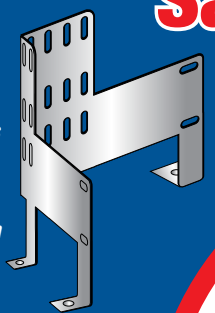
NEW PRODUCT!

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.



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Patent Pending

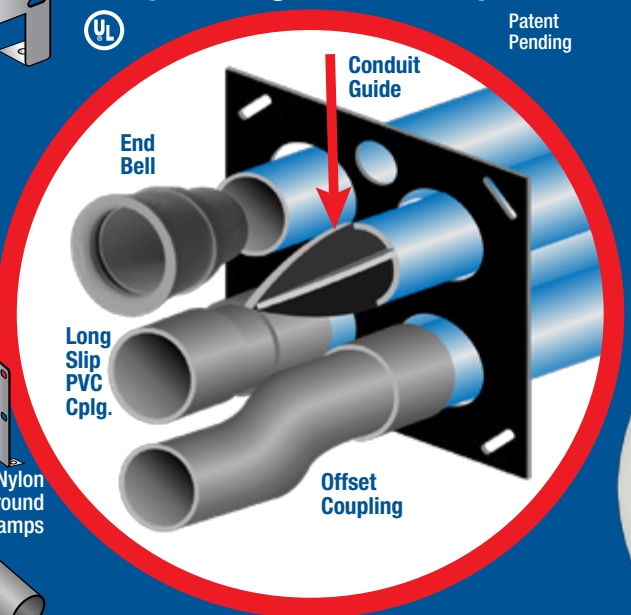
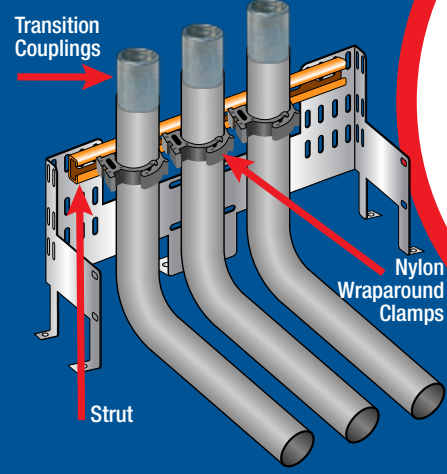
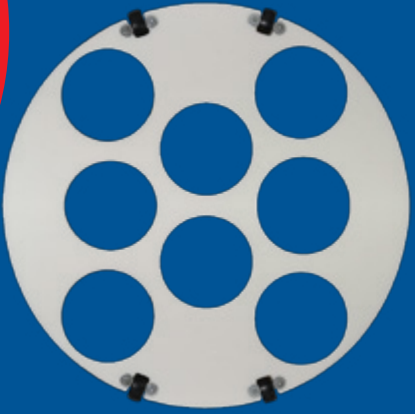
PVC Offset
Sizes 1/2" thru 6"
Meets Flexible Madrel Test Requirements

Patent Pending



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

IP2a



IP13a-p

Conduit Transition Couplings

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



IP3a

End Bell Adapter
Schedule 40/80 PVC Patent Pending

IP15

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

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COMPANY PROFILE

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

COVER STORY

8 Submetering:
Unlocking Hidden Revenue Streams for Electrical Contractors
BY TROY HULL

DEPARTMENTS

- 16** INDUSTRY NEWS
- 24** NEW PRODUCTS
- 32** AD INDEX

ON THE COVER

Inset photo courtesy of Leviton



Electrical Products & Solutions™
The Purchasing Guide for Electrical Contractors www.epsmag.net

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Electrical Products & Solutions™ is published twelve times a year on a monthly basis by ABD Communications, Inc., 3591 Cahaba Beach Road, Birmingham, Alabama, 35242, USA. *Electrical Products & Solutions™* is distributed free to qualified subscribers. Non-qualified subscription rates are \$57.00 per year in the U.S. and Canada and \$84.00 per year for foreign subscribers (surface mail). U.S. Postage paid at Birmingham, Alabama and additional mailing offices. *Electrical Products & Solutions™* is distributed to qualified readers in the electrical contracting industry. Publisher is not liable for all content (including editorial and illustrations provided by advertisers) of advertisements published and does not accept responsibility for any claims made against the publisher. It is the advertiser's or agency's responsibility to obtain appropriate releases on any item or individuals pictured in an advertisement. Reproduction of this magazine in whole or in part is prohibited without prior written permission from the publisher.

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STEP 4
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STEP 5
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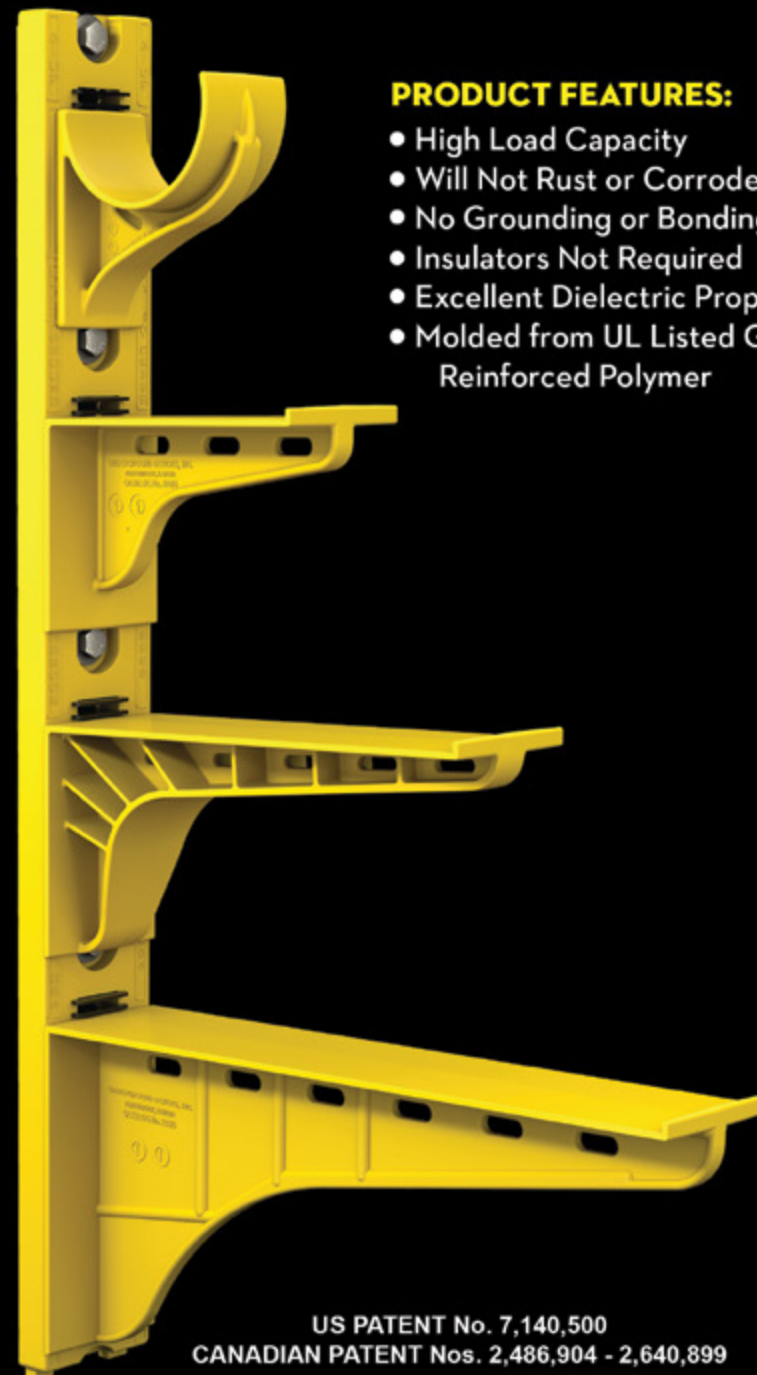


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HDL Arm Lock shown with RA04 Arm and CR36-B Stanchion



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



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

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

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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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Submetering:

Unlocking Hidden Revenue Streams for Electrical Contractors

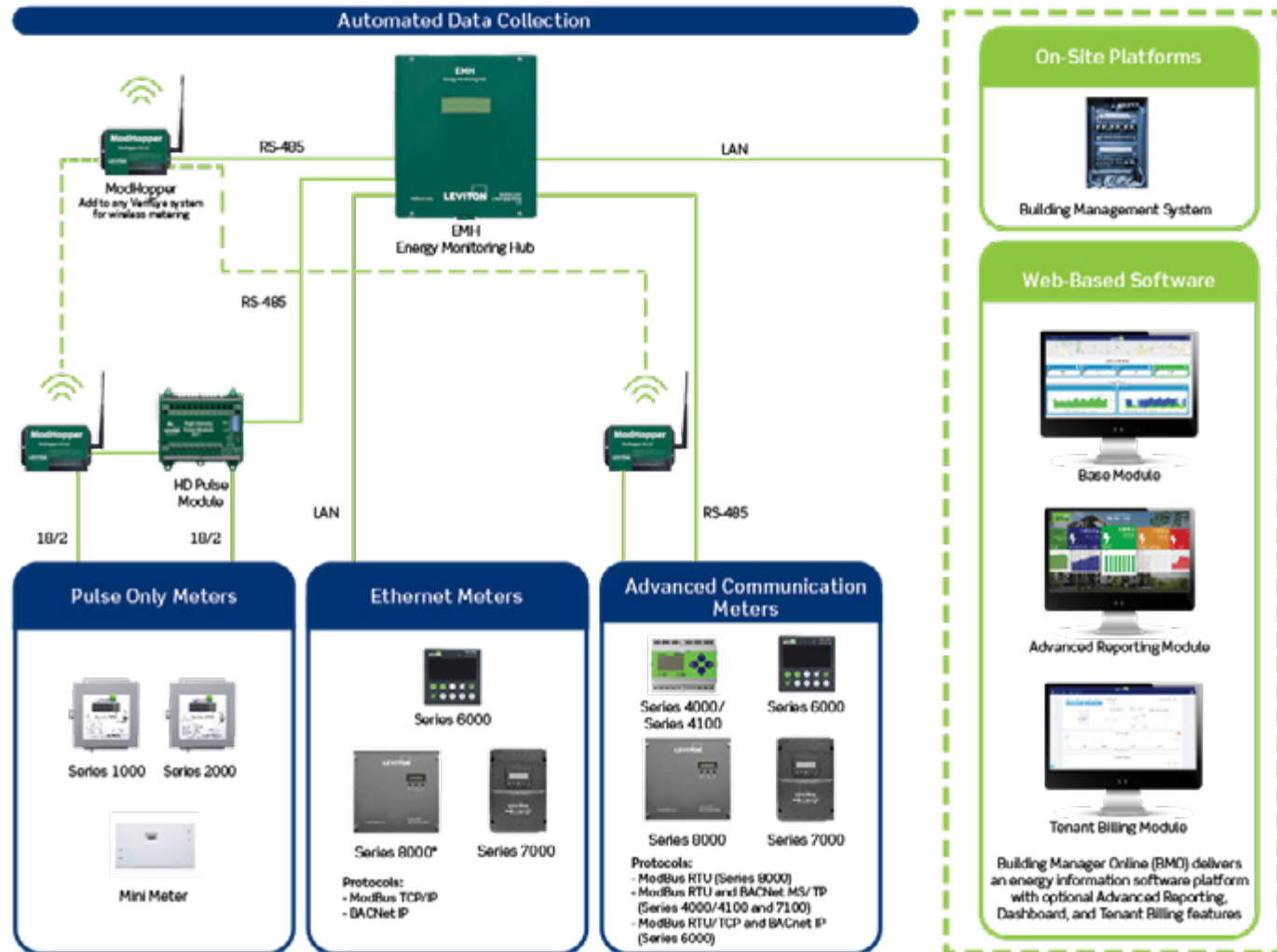
BY TROY HULL

The Energy Efficiency Imperative: A Prime Opportunity for Contractors

The commercial building sector is undergoing a significant transformation, and the electrical systems powering them need to evolve too. Driven by soaring utility costs, new building codes and a universal focus on sustainability, building owners are balancing a greater number of priorities with energy efficiency at or near the top of their list. With over 5.6 million commercial

buildings and 350,000 industrial facilities in the U.S. consuming vast amounts of energy, the opportunity for energy reduction is significant. A staggering 30 percent of all energy consumed by these buildings is wasted – a loss equivalent to \$120 billion annually. Systems that reduce energy consumption in these buildings are no longer a luxury but a necessity. This critical need presents a lucrative opportunity for electrical contractors prepared to meet the growing demand





for smart energy management solutions, with submetering systems as a key element of building infrastructure.

Why Submetering? The Momentum in Tenant Billing and Energy Monitoring

Submetering is the practice of installing secondary meters downstream of a utility company meter to measure energy consumption for individual spaces, tenants or even pieces of equipment within a building. This system provides detailed energy usage data, empowering building owners to gain unprecedented insights into their energy consumption patterns, identify inefficiencies, accurately bill individuals and pinpoint areas for savings. Submetering is particularly beneficial in residential multi-dwelling units or

commercial facilities with multiple leaseholders because the granular energy data enables facility operators to keep individual tenants accountable for their usage, which typically results in less usage and savings over time. As major energy consumers, industrial and manufacturing facilities also benefit from submetering with cost savings from improving equipment performance, load shifting, and identifying and eliminating wasteful consumption. Instead of making assumptions about where energy is being used the most, submetering provides facility owners accurate, real-time energy data, enabling insight-driven decision-making.

Several factors are converging to drive the increased adoption of submetering:

- **Accelerating Utility Costs:** As energy prices continue to rise, building owners are feeling the pressure to reduce consumption and control costs. Submetering provides the data they need to make informed decisions about energy usage, identify areas for improvement and demonstrate a clear return on investment for efficiency upgrades.
- **Stringent Building Codes:** Energy codes, like IECC, ASHRAE 90.1 and California's Title 24, are setting increasingly higher requirements for energy-efficient building design. These codes include mandates for submetering systems in commercial buildings, including multi-tenant buildings, retail spaces, and multi-family residential complexes. The maturation of

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- Cementex Double-insulated Tools are:**
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 - 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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By partnering with knowledgeable manufacturers, contractors can confidently navigate this rapidly growing market and unlock the full potential of submetering to deliver impactful energy efficiency solutions for their clients.

energy codes is creating a surge in demand for qualified installers and knowledgeable contractors who can guide building owners through the compliance process.

- **The Sustainability Imperative:** As environmental awareness grows, building owners are seeking ways to reduce their carbon footprint and achieve the goals of their stated sustainability initiatives. Submetering is a cornerstone of these efforts, providing the data needed to track energy performance, identify areas for improvement, and demonstrate a commitment to sustainability.

The Contractor Advantage: Submetering as a Lucrative Business Opportunity

Submetering offers electrical contractors a unique opportunity

to expand their service offerings, enhance their expertise, and generate a significant new revenue stream – not just from one-time projects, but as a source of recurring income for years to come.

Advanced submetering technology now makes it easier than ever for contractors to dip their toes into the growing market. Modern submetering system designs offer intuitive installation and seamless integration with existing building systems, minimizing disruption and downtime. Yet, the business potential with submetering extends far beyond the initial setup. Contractors can step into the role of a trusted energy advisor by helping building owners continuously optimize their facilities with additional efficiency solutions like lighting controls, LED lighting retrofits, and electric vehicle supply equipment

(EVSE). This consultative approach to submetering not only delivers efficiency and cost savings to facilities for years to come but also fosters valuable, long-term relationships between contractors and their clients. These relationships can translate to repeat business, referrals, and a sustainable pipeline of projects, contributing to the contractor’s long-term success.

Educating Clients on the Benefits of Submetering

Contractors can play a crucial role in educating building owners about how to leverage submetering to achieve their sustainability goals. Optimizing energy efficiencies in buildings with submetering can be explained in three simple steps:

- **Measure, Monitor and Manage:**
 - **Measure Energy Usage:** Identify and quantify specific tenants, departments, or equipment consuming excessive energy.
 - **Monitor Consumption Trends:** Analyze usage patterns over time to identify areas for improvement.
 - **Manage Energy Usage and Encourage Efficiencies:** Leverage accurate consumption data to allocate energy usage costs fairly, encourage tenant responsibility, and make informed decisions about future building planning and investments.

Empowering owners with detailed, accurate energy insight unlocks a range of benefits. Submetering delivers:

- **Cost Savings & Increased Efficiency:** Building owners can achieve significant cost savings and a substantial return on their submetering investment by identifying and eliminating energy waste, optimizing building operations, and potentially negotiating lower utility rates.
- **Improved Tenant Relationships:** Submetering enables fair and transparent billing, which can reduce disputes and foster trust between building owners and their tenants. Providing tenants with access to their own energy data can also empower them to manage their consumption and potentially lower



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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

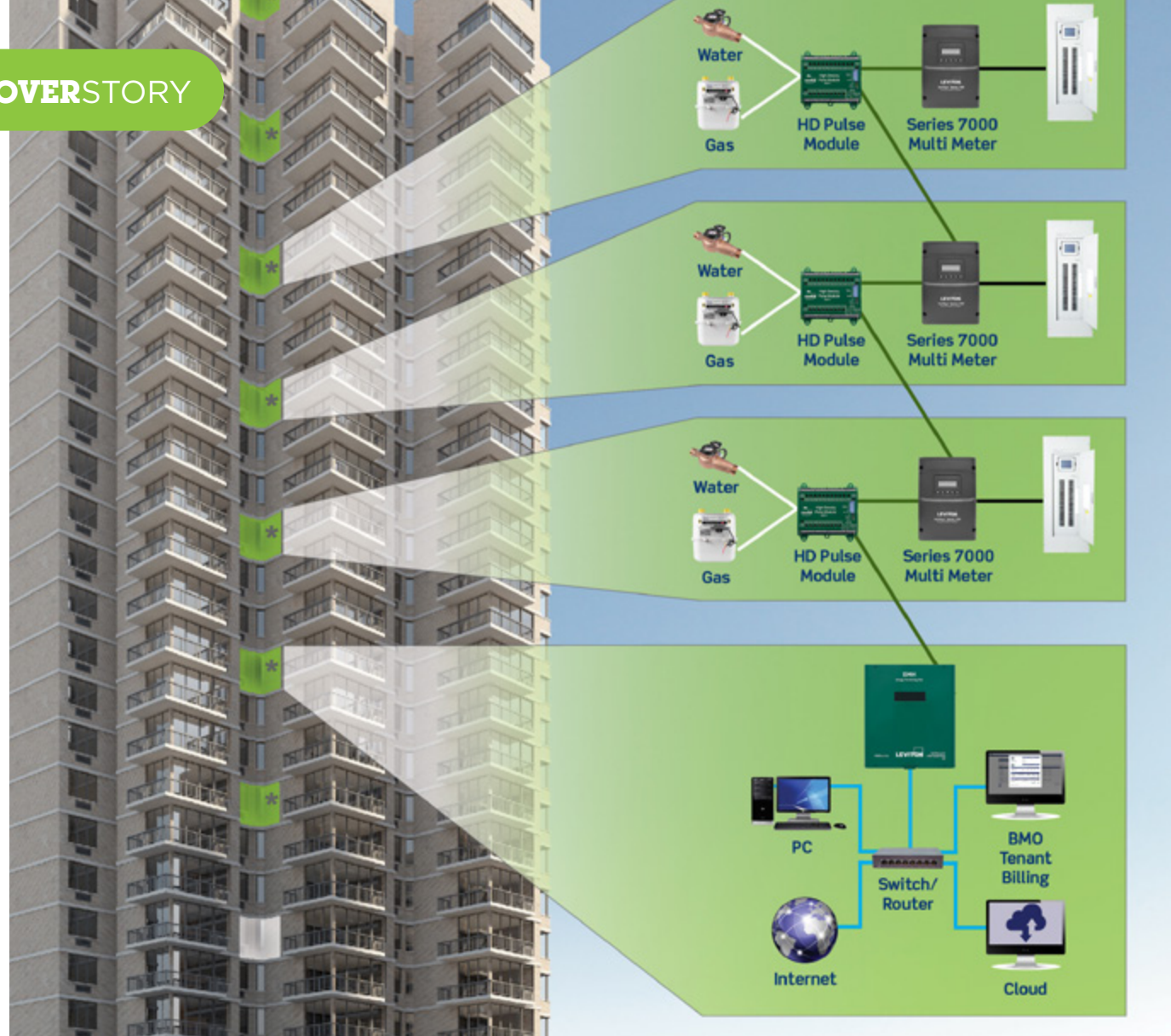


Appleton™ Retromaster LED Series Luminaires

APPLETON™

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EMERSON™



their overall utility costs.

- **Advancement Towards Sustainability Goals:** By implementing submetering, building owners can emphasize their overall commitment to sustainable building practices. The system can help them achieve certifications like LEED and comply with evolving building energy codes.

Partners for Success

Contractors looking to capitalize on the submetering opportunity should lean into manufacturers for help. They can offer a wealth of resources – from technical support and education sessions to hands-on training and design assistance – that help build confidence with installations and commissioning for years to come. Plus, they can keep you up to date on the latest energy codes by state, integration

opportunities, and submetering advancements like onboard installation diagnostics, simplified programming wizards, and state-of-the-art meter communications options.

The Bottom Line: Submetering is a Win-Win

This level of support is crucial, as embracing the submetering opportunity allows electrical contractors to position

themselves at the forefront of the energy efficiency movement. They can expand their service offerings, enhance their expertise, and generate significant new revenue streams. By partnering with knowledgeable manufacturers, contractors can confidently navigate this rapidly growing market and unlock the full potential of submetering to deliver impactful energy efficiency solutions for their clients. □

Mr. Troy Hull is a 29-year veteran of the submetering world, having worked in every aspect of the industry from systems installations and services, manufacturing, product design and development, sales and business development and for the last eight years been responsible for M & V Group at Leviton Manufacturing Company, overseeing daily operations, strategy development, product management, R & D engineering and sales and business development. An AEE Certified Energy Manager and Measurement and Verification Professional, he has been published in numerous professional journals. Among some of his key accomplishments was the development and adoption of a successful model policy for energy accountability for the U.S. Army's Residential Communities Initiative that led the way for other services to drive accountability for energy usage in residential military family communities. He also represents Leviton on the Submetering Section and Technical Committee for the National Electrical Manufacturers Association (NEMA), an internationally recognized trade association for the Electrical Industry.



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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DEWALT® Lights Up Vegas Skyline with Innovative Drone-Powered Sphere Activation; Celebrates Concrete Construction Crews with New “Built for the Unbreakable” Campaign

- DEWALT once again transforms the Las Vegas skyline with an electrifying activation on the exterior of Sphere
- Unveils new “Built for the Unbreakable” campaign celebrating the strength of the men and women who work in the construction trades
- Spotlights award-winning DEWALT POWERSHIFT™ System, a groundbreaking equipment system that optimizes the workflow of concrete jobsites

As the largest and only annual international event dedicated to the heavy hitters of concrete and masonry, World of Concrete, kicks off, DEWALT, a Stanley Black & Decker (NYSE: SWK) brand and leader in total jobsite solutions, once again lit up the Las Vegas skyline with an activation on the exterior of Sphere. Known as the Exosphere, the 580,000 sq. ft. completely programmable LED exterior of the next-generation entertainment venue has wowed audiences worldwide since the venue opened in 2023.

This year’s captivating display features the award-winning DEWALT POWERSHIFT™ system and celebrates the 12 million unsung heroes who work on construction sites in America today with an innovative, drone-powered display that shows the full impact of construction workers on a jobsite.

The DEWALT activation on Sphere’s Exosphere, featuring drones and viewable from vantage points throughout the city, launches a new concrete campaign for the brand: Built for the Unbreakable.

“Since its unveiling at the 2024 World of Concrete Trade Show, the DEWALT POWERSHIFT™ System has become one of the most anticipated and recognized innovations in the industry,” said Bill Beck, Tools & Outdoor GM,

Chief Growth Officer at Stanley Black & Decker. “Through creative consumer engagement initiatives like our Sphere campaign, we’re showcasing our commitment to driving the future of construction forward with tools and technologies designed to empower leaders on every jobsite.”

Millions of viewers throughout Las Vegas and on social media were captivated the multimedia display, complete with drone-activated visualizations of towering cranes and construction workers blasting away at thousands of tons of concrete.

DEWALT, which remains one of the only tool manufacturers to leverage the Exosphere, will run its “Built for the Unbreakable” campaign for seven nights beginning on January 20 through January 26. DEWALT will utilize drones to fly over the city during evening hours on the activation’s second night, allowing the brand to present a multi-dimensional view of a job site in action.

Last year’s activation focused on the brand’s launch of DEWALT POWERSHIFT™ and set new records for the brand’s stakeholder engagement with in-person views and interactions on DEWALT’s social channels.

“Last year’s DEWALT POWERSHIFT™ display was one



of the most successful and impactful brand activations we’ve had, blending technology, innovation and storytelling in a way that captivated millions,” said Pat Petschel, Global Vice President, Creative and Digital Marketing at DEWALT. “As we light up the Las Vegas skyline again, we honor the concrete construction workers who are the unsung heroes of our cities and infrastructure. Their unbreakable spirit and dedication inspire us to continue pushing the boundaries of what’s possible in our industry.”

Named one of TIME’s Best Inventions and Popular Science’s greatest innovations of 2024, the DEWALT POWERSHIFT™ system sets a new standard for electrification on the concrete jobsite, helping construction companies to achieve compliance with government mandates regarding gas equipment. DEWALT POWERSHIFT™ cordless equipment system can produce up to 60% less CO2e emissions during use vs. gas-powered equipment.*

Now available in North America, the DEWALT Powershift line includes a vibrator, backpack vibrator, concrete power screed, rammer, plate compactor, core drill and stand, 554WH battery and 550W charger.

To learn more about DEWALT POWERSHIFT™, please visit: <https://www.dewalt.com/systems/powershift>. □

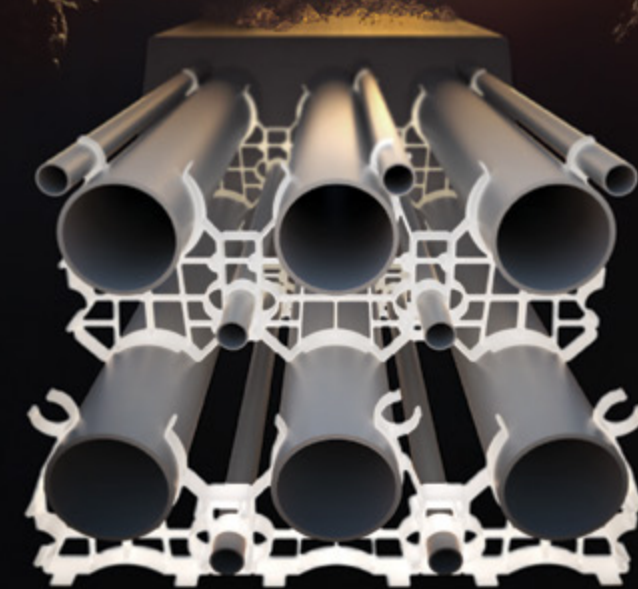
*vs. leading competitors, average of individual DEWALT POWERSHIFT™ equipment weighted by lifetime emissions during use; US average grid output emission rates and grid loss based on the US EPA’s eGRID2022 database, published Jan. 30, 2024 (epa.gov/eGRID); fuel emissions factors based on the U.S. Energy Information Administration’s Carbon Dioxide Emissions Coefficients for finished motor gasoline, published Sep. 7, 2023 (eia.gov).

ABOUT DEWALT

DEWALT, a Stanley Black & Decker brand and leader in total jobsite solutions, has been driving the future of construction forward with tools and technologies made to power leaders on every jobsite. By applying its latest technology to the challenges of today’s skilled trades, DEWALT is committed to providing tradespeople with tools and equipment that are designed, built and tested to deliver new levels of safety and productivity. For more information, visit www.dewalt.com.



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Custom Equipment LLC Rebrands to AXCS Equipment

Custom Equipment LLC, the manufacturer of Hy-Brid Lifts, announces a rebranding to AXCS Equipment. The company, which has been in business since 1981, focuses on providing innovative solutions and outstanding service to support customers' aerial work needs. Though the name is changing, the company remains committed to those values under the new AXCS name. Its product line dramatically increased when it merged with ASKO Holding, a Turkish-based entity with holdings in construction, agriculture, energy and technology, in early 2024. This new merger offered resources to expand the product line beyond scissor lifts to include telehandlers, articulated booms and vertical masts.

"With our expanded product offering, we are now able to provide everything our customers need for aerial work," said AXCS CEO Eric Liner. "AXCS really seemed like the natural brand name to encompass not only what we do but how we serve the market. In addition to a full range of products, customers have access to a team of experts that will help them get the right product for the right job and support in both application and service. We take great pride in this customer-centric approach."

AXCS' dynamic range of aerial lift equipment and telehandlers is



Custom Equipment has significantly expanded their product offering under AXCS Equipment encompassing a full range of scissor lifts, vertical masts, articulated booms and telehandlers.

built to combine maximum operator safety with durability and efficiency. With an emphasis on offering top-of-the-line support to rental customers, AXCS provides robust solutions for construction, drywall, electrical, HVAC, painting, facility maintenance and more. The company believes in building relationships through integrity and responsiveness with a true understanding of customer needs. As part of this rebranding transition, AXCS bolstered its staff with support-centric roles to ensure the best possible service. When a customer calls, an AXCS team member will be there to pick up the phone and assist with whatever is needed, whether it be parts, technical assistance or any other inquiries.

"In today's world where automated

voice message systems and AI chats are commonplace, we're confident our customers will find getting in contact with a real, knowledgeable person refreshing and valuable," Liner said. "We're focused on giving customers an experience that is second to none in the lift industry."

AXCS will introduce new products at The ARA Show in Las Vegas with a continuing stream of additional product introductions over the following months. In addition to offering new products, AXCS is also working on new ways to continuously enhance its existing equipment and provide even more value to customers.

To learn more about AXCS and its line of aerial lift equipment, please visit www.axcs.com. □

ABOUT AXCS

Established in 1981 as Custom Equipment LLC and rebranded to AXCS Equipment in 2025, AXCS is a premier provider of access equipment including articulated booms, scissor lifts, telehandlers and vertical masts with a focus on the rental industry. Contractors and maintenance technicians can use the equipment from start to finish for a variety of applications including construction, drywall, electrical, HVAC, painting, facility maintenance and more. AXCS prides itself on establishing itself as a true partner that provides top-of-the-line support to its customers. For more information visit www.axcs.com.

ABOUT ASKO HOLDING

Originating from the historic Konukoğlu family, Turkish-based ASKO Holding strives to make useful equipment, add value to products and complete on a global scale. ASKO Holding operates with companies involved in construction machinery, agricultural equipment, energy and technology. These companies are people-centric, environmentally focused and centered on creating added value to each product. For more information: ASKO Holding, OSB Mahallesi 83426 Cad no: 1 Şehitkamil, Gaziantep; +90 (342) 211 59 00; info@asko.com.tr



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New Products

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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

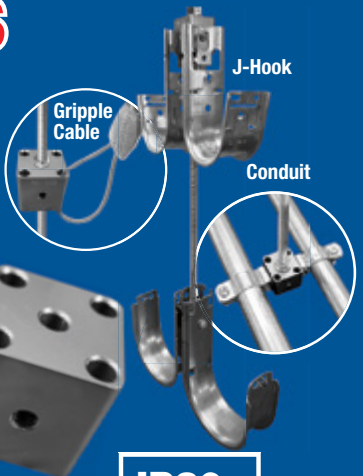
Vertical support from only one 1/4", 3/8" or 1/2" threaded rod by attaching two machine screws 1/4" x 20 thru the existing holes in back of the box. Eliminates knocking out center KO on box and traditional nut and washer method to support a single box.



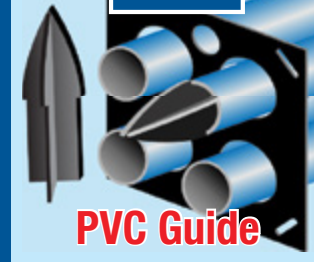
IP20a

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



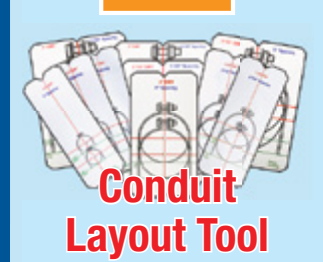
PVC Guide

IP2b



PVC Driver

TE15



Conduit Layout Tool

IP3g



Long Slip PVC

IP3f



Slip PVC/RGD

IP4



EZ Raised Bracket

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Elliott Electric Supply Celebrates Grand Re-Opening of Huntsville Location

Elliott Electric Supply, a leading provider of electrical supplies and solutions, is excited to announce the grand re-opening of its Huntsville location. The newly built facility, positioned strategically at 926 Highway 19, will offer expanded services, increased inventory, and enhanced support to local contractors and businesses.

The new Huntsville store nearly triples in square footage, enabling the location to offer quicker lead times, better inventory availability, and improved access for the community. “Our goal is to provide the same high-quality service our customers expect, but with easier access and greater visibility,” said Quentin Risner, Branch Manager. “By significantly expanding our footprint, we can better serve the needs of Huntsville and surrounding areas.”

One of the key advantages of the new location is its extensive local inventory, complemented by overnight access to Elliott Electric’s 218,000-square-foot regional distribution center in Houston.

In addition to offering a wide range of electrical supplies, the store features several services designed to benefit contractors, including 24/7 emergency service, custom wire cuts, free local deliveries, and a user-friendly mobile app and website for easy access to pricing and tools. Elliott Electric is committed to providing solutions that maximize efficiency, minimize costs, and keep projects running smoothly.

“We are proud of our team of eight experienced professionals, who collectively bring nearly 100 years of expertise to the table,” said Risner. “Our commitment goes beyond making a sale; we aim to build lasting relationships with



our customers, partnering with them to ensure their success.”

Elliott Electric Supply plans to further enhance the facility by installing a generator to ensure uninterrupted service during power outages, reinforcing its dedication to reliability and customer satisfaction.

The re-opening of this store marks a

new chapter for Elliott Electric Supply in Huntsville. As the company continues to grow, its focus remains on providing high-quality products, exceptional service, and innovative solutions for the electrical contracting industry.

For more information, visit www.elliotelectric.com or call the Huntsville location at (936) 439-0658. □



**ELLIOTT ELECTRIC
SUPPLY**

ABOUT ELLIOTT ELECTRIC SUPPLY

Elliott Electric Supply is a leading distributor of electrical supplies and solutions, with over 190 locations across 13 states. The company prides itself on its commitment to quality service, vast inventory, and strong relationships with contractors and businesses. For more information, visit www.elliotelectric.com.

IToolCo.



CANNON iK

**ELIMINATE HAND PULLS &
INCREASE JOBSITE EFFICIENCIES.**



Electri-Flex Company Celebrates 70 Years of American Made Craftsmanship and Innovation

ELECTRI-FLEX COMPANY, Roselle, IL, celebrates 70 years of manufacturing Liqueatite® flexible electrical conduit. Liqueatite conduit carries deep American-made roots as the Company was founded by Harold Kinander, Sr. in 1955 in the Chicagoland Suburbs. Electri-Flex began with one type of conduit 70 years ago and today proudly manufactures nearly 50 varieties of conduits. These conduits are available in many sizes, types, and colors, to serve every major market, both domestically and internationally. Liqueatite® conduit has been carefully designed with in-house tooling and an innovative engineering and production team that has perfected the quality to make Liqueatite® the high-quality leader it is today.

Electri-Flex is third-generation owned and operated. In 1955, Harold Kinander, Sr. incorporated the Company and founded the Liqueatite® brand. Today Harold's grandchildren, Jason W. Kinander, CEO, Blue Kinander Kelly, VP, and JR Kinander, VP, successfully lead the organization. Jan Ruthe, COO, has been a tremendous addition to the executive team, focusing on employee training and development, factory efficiencies, growth, and leadership for the Company.

Manufacturing began in a 5,000-square-foot chicken hatchery 70 years ago, and today has grown into a quarter of a million square feet in three buildings, comprised of two manufacturing facilities, and one distribution center. "We began a plant



redesign and modernization project in 2018, focusing on integrating new technology, refining our processes, and optimizing the plant layout," stated Jan Ruthe, COO. "This extensive overhaul represents a significant investment in our future, one that will enhance the way we operate, ensuring we remain competitive and responsive to the evolving demands of the market. These strategic changes will enable us to increase production while maintaining the high quality our customers expect, while also allowing us to swiftly adapt to changing customer needs and industry trends."

Building on these advancements, Jason Kinander, owner and CEO, emphasizes the core values driving Electri-Flex's continued success. "We believe in US manufacturing," he states. "We also believe very strongly in buying US made steel, plastic, and aluminum. We can control the quality of the product because it's being produced right here in Roselle, IL, and we have a very extensive quality control department. We have control of the process from the time raw materials come in the front door, to the time it goes in the box and on the truck to our customers." □

ABOUT ELECTRI-FLEX

Electri-Flex Company, a leader in electrical conduit design and manufacture for 70 years, produces Liqueatite®, 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.



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DMF Lighting Launches C Series Downlighting and Cylinder Collection

- Affordable 4- and 6-inch commercial downlights feature streamlined options for industry-leading quick shipping in as little as 48 hours
- Straightforward and easy ordering process saves time
- Pre-installed universal bar hangers with butterfly brackets accommodate a range of ceiling types and provide quick installation
- Modular plug-and-play design with embedded drivers in modules allow for full serviceability below the ceiling

DMF Lighting, a leading architectural lighting manufacturer of premium modular LED downlighting systems, today announced the launch of the C Series collection of 4- and 6-inch commercial downlights and a complementing 4-inch cylinder pendant, providing an exceptional balance between performance and affordability. The unique plug-and-play designs with streamlined options allow for simplified and straightforward ordering and industry-leading fulfillment times in 48 hours for the downlights and 72 hours for the cylinders as part of DMF's LightSpeed program.

"We've streamlined the C Series options so ordering is straightforward and easy, and order fulfillment is extremely quick," said Ken Czech, vice president of new product development, DMF Lighting. "And even with the simplified options, we make no compromises in performance and quality of light. In combination with our powerful light engine modules, the C Series trims feature an integrated mixing chamber and wide-angle dispersion, providing high efficiency."

Streamlined options include LED modules available with an adjustable lumen switch for a choice of 1000, 1500 or 2000 lumens or with a fixed output option, when lumen output is dictated by code. Modules also include an integrated emergency bypass port, allowing it to be used in both standard or emergency housings, streamlining contractor installation and mitigating any risk of incompatibility.

The modular, tool-less, plug-and-play design of the downlights and cylinder includes a housing, LED light engine module and trim. Drivers are integrated into the modules, so modules can be easily swapped out from below ceiling, making serviceability quick and easy, and allowing flexibility for touch-safe, onsite changes, as well as future-proofing as technology continues to evolve.



For more information, visit www.dmflighting.com

New Greenlee® GX10 Tugger™ for Faster Pulls and Cost Savings

The GX10 customized motor delivers 10,000 pounds of pulling force to get the job done better

Greenlee®, a part of Emerson's professional tools portfolio, recently introduced the GX10 Tugger™ that delivers up to double the pulling speed and a higher continuous pull rating than legacy tuggers for faster job completion and cost savings.

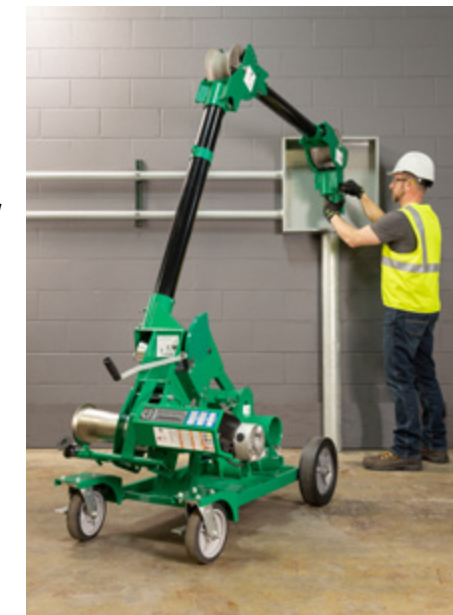
The GX10 features an industry-leading customized motor that delivers 10,000 pounds of pulling force to increase productivity and help reduce the risk of strain. The dual-speed motor provides durability at a steady pull speed with continuous operation at 0 pounds to 6,500 pounds; 5 minutes on/5 minutes off at 6,500 pounds to 9,000 pounds; and momentary operation at 9,000 pounds to 10,000 pounds.

Multi-purpose foot switch controls speed and start/stop operation; right angle sheave keeps operators out of direct line of pulls; and force indicator helps prevent damage to puller and cable. Its flexible setup and multiple mounting options also make it easily adaptable to all types of job sites, including mega sites and work in tight and confined spaces. The GX10 is compatible with Greenlee's Pull Connect™ and Mobile VersiBoom™ II.

"We are proud to introduce the GX10 Tugger, a continuation of Greenlee's legacy of offering the best 10,000-pound tuggers in the market. The industry needs reliable and efficient tools now more than ever and the GX10 uniquely delivers that," said Alex Carey, Product Manager, Greenlee for Emerson.

The GX10 not only increases productivity with its pulling force, but its reliable performance has the potential to save up to \$10,000 annually over legacy tuggers and \$5,500 annually over comparable industry models. Visit the Greenlee Pull Savings Calculator to learn more about how the GX10 can save you time and money.

Greenlee pulling solutions cater to electrical contractors and utility companies' toughest projects and are designed to meet demanding electrical needs. Greenlee recently added the Pull Connect™, a pulling accessory with a simple, easy-to-use design that wirelessly connects both sides of a cable pull and allows it to be stopped from either side.



For more information, visit www.Greenlee.com



Pfannenberg USA Introduces Outdoor 3R Certified PTF 1200 High CFM Top-Mounted Filter Fan

NEMA 3R certified PTF 1200 offers high cooling performance for outdoor use

Pfannenberg, Inc., a global leader in thermal management and signaling technologies, proudly announces the new NEMA 3R certified PTF 1200. This additional version provides the same dependable features of the NEMA 12 fan, with the added benefit of 3R protection. Designed to redefine cooling solutions for various industries, this industry leading high CFM top-mounted filter fan is constructed with stainless steel for outdoor use. Its compact yet powerful innovation boasts an unimpeded airflow rate of up to 589 CFM,

making it a game-changer in the realm of cooling solutions.

One of the standout features of the PTF 1200 is its energy-efficient EC centrifugal fan, delivering optimum airflow and uniform temperature distribution. Its energy-efficient centrifugal fan translates to low power consumption, contributing to sustainability efforts.

The PTF 1200's long service life is due to its EC fan, which provides a soft start and stop, reducing wear and tear on vital parts. The result is an impressive 70,000-hour average lifetime which is also complemented by the ease of filter changes, reducing maintenance costs and downtime. Filter replacements don't require skilled labor and are quick, ensuring minimal downtime during servicing and making it an ideal choice for maintenance managers seeking efficiency.

The convenience of the unit is further elevated by its compact size, saving valuable space without compromising on cooling efficiency. Unlike traditional top mounts that often require expensive palletized shipping, the PTF 1200 ships in an easily transportable cardboard box, directly to your door, minimizing costs and delivery times.

as falling dirt, rain, sleet, and snow, as well as accidental contact with people or objects. Other fans that are not 3R rated could expose the electronics inside the cabinet to water, ice or dirt, resulting in shorter life span or failure.

For more information, visit www.pfannenbergusa.com



Siemens offers first 3-Pole Class A GFCIs for 100-AMP applications

Simplifies specification for ampacities over 50 amperes

- Allows use of a single UL/cUL-listed NEC-compliant device
- Avoids nuisance tripping through proprietary fault detection means
- Ideal for wet commercial workplaces

Siemens presents electrical specifiers and installers with the first 3-Pole Ground Fault Circuit Interrupters (GFCIs) for enhancing electrical safety in commercial facilities. Offering ampacities of up to 100 A for powering large equipment loads in

commercial workspaces, these UL and cUL-listed 3-pole interrupters are the first to deliver 5-milliamp sensitivity for helping protect personnel from electrocution hazards in accordance with the latest National Electrical Code® (NEC) requirements. These devices simplify compliance for restaurants, car washes, laundromats, commercial window washing operations, and other applications where ground-fault protection is needed for wet commercial workplaces.

Expanded in 2023, NEC Article 210.8(B) specifies that all receptacles on 3-pole branch circuits 150 volts or less, up to 100 amps, require Class A GFCIs to help protect personnel from electrical hazards. For ampacities exceeding 50 amperes, this often required that electrical professionals develop complex and costly solutions using multiple devices to protect 3-pole circuits. Siemens' new 3-pole GFCIs enable engineers, electricians, and distributors to deliver critical safety functionality using just one agency-listed, NEC-compliant device that is easy to specify, procure, install, and test.

The new 3-pole GFCIs streamline procurement, deployment, and use in multiple ways. Conventional GFCIs rely on measured differences in current-in/current-out and can thus be subject to nuisance tripping from imbalanced loads, resulting in unnecessary power disruptions to workplace equipment. Siemens 3-Pole GFCIs are insensitive to power imbalances between poles, and thus can reduce nuisance tripping to increase reliability and uptime in commercial applications. Recommended for installation by licensed electricians, Siemens 3-Pole GFCIs can also be installed on 2-pole circuits to further simplify procurement and installation logistics.

For more information, visit www.siemens.com



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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

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!

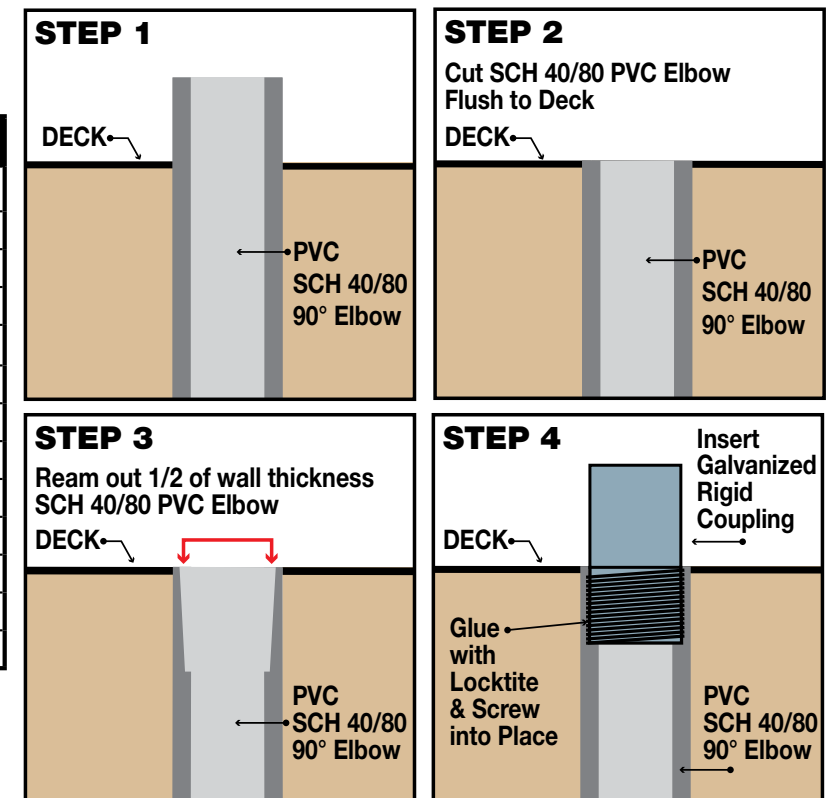
All SP Products Inc. Transition Fittings are manufactured for installation to either meet or exceed in accordance with NEMA TC2, TC3 or UL 651 specifications

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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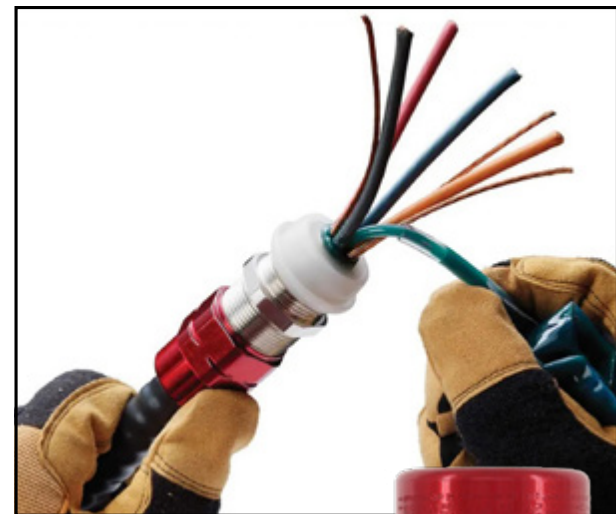
Appleton TMC2X Glands Form Mechanical Watertight Connection with Ground Continuity for Jacketed MC Cable

Appleton TMC2X cable glands represent a safer, faster and more cost-efficient way to connect jacketed metal clad (MC) electrical cables in hazardous industrial locations. Each TMC2X gland comes with RapidEx liquid resin sealing compound, which is simple to apply and sets in a matter of minutes, displacing air while creating a reliable seal with no gaps or voids.

Because of its straightforward two-piece construction and lack of disassembly requirements, the Appleton TMC2X enables a contractor to ground the armor and seal the outer jacket all in one action. In wet, corrosive environments, the integral "O" ring face seal provides IP68 and NEMA 4X rated protection, while a removable cable armor end-stop accommodates larger insulated conductors.

Versatile for use on both horizontal and vertical runs, the glands securely terminate interlocked /corrugated aluminum or steel armor jacketed metal clad cables (Type MC/MC-HL), and continuous welded armor cables (Type CLX or TECK).

Appleton TMC2X cable glands are available in trade sizes from 1/2-inch to 4-inches with multiple cable O.D. ranges per hub size in either copper-free aluminum, nickel plated brass or stainless steel construction. They are rated for NEC/CEC hazardous locations, Class 1, Div. 1 and 2; Class II, Div 1 and 2; and Class III, Div. 1 and 2.



For more information, visit www.appletonelec.com



Cementex Highlights CRP900 Double-Insulated Cable Ring Pliers and Scoring Tool

Double-Insulated Cable Scoring Tool Ensures Safe Cable Stripping

Cementex, the safety tool specialists, highlights their double-insulated cable ringing pliers and scoring tool. Crafted with Cementex's unique double insulation around its handle, this double-insulated cable scoring technology helps safeguard electricians while preventing damage to cables and ensuring compliance.

Cable scoring can be hazardous if not performed with proper equipment. To protect against potential harm, Cementex's cable scoring pliers feature orange over yellow double-insulation, empowering electricians to confidently cut through exterior cable insulation and perform precise stripping. These enhanced safety features have made Cementex's technology a first-choice tool for older underground systems with lead-sheathed wires and cables.

Manufactured in the U.S.A. with both U.S. and globally sourced materials, Cementex's double-insulated cable scoring tool is tested to 10,000 volts and rated for live use up to 1,000 VAC / 1500 VDC. Approximately 8.5" with around 1.375" of maximum jaw opening, the tool can tackle a range of diverse and demanding applications. The technology also empowers its customers to easily meet requirements such as OSHA safety-related work practices, the NFPA 70E standard, and CSA-Z462. What's more – the product comes with a lifetime guarantee for its mechanical aspects and a two year guarantee on its insulation.

For more information, visit www.cementexusa.com

Celebrating
70 YEARS
of American Made Craftsmanship and Innovation



Electrifying conduit, innovation and service for 70 years

Since 1955, Electri-Flex has been building cities across America and around the world, serving clients with innovative conduit solutions, superior customer service and genuine family pride. Our signature Liquatite® flexible conduit line is made in Chicagoland to our exacting standards and is built to withstand even the most challenging of conditions. And with nearly 50 options to choose from, we will always find a solution that's exactly right for you. After all: *flexibility matters.*



electri-flex

Electri-Flex Company

222 West Central Avenue
Roselle, IL 60172-1994 USA

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DISTRIBUTORS NATIONWIDE  

Focal Point Releases Tazo

Redefining Free-Standing Luminaires

Flexibility, elegance, and adaptability converge in Tazo, Focal Point's latest innovation in free-standing luminaires. Designed to address the needs of reconfigurable environments and connected users, Tazo combines sleek design with cutting-edge functionality to deliver light where it's needed most. Whether in a collaborative workspace, hospitality setting, or convention center, Tazo elevates any space with its perfect balance of form and function.

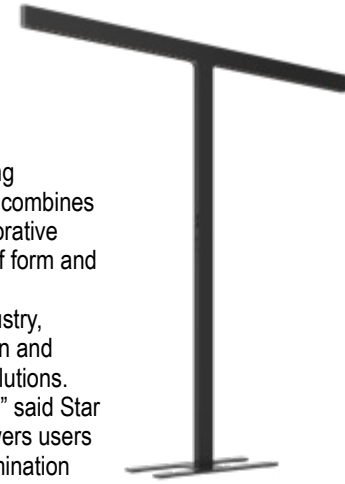
Tazo's versatility, modern aesthetic, and performance have already captured the attention of the industry, earning it the Best of NeoCon 2024 GOLD Award for Task Lighting. Recognized for its innovative design and transformative impact, Tazo sets a new standard for portable, plug & play, and cost-effective lighting solutions.

"Tazo embodies Focal Point's commitment to designing elegant, high-performance lighting solutions," said Star Davis, VP of Innovation & Product Development at Focal Point. "As a free-standing luminaire, it empowers users to effortlessly reconfigure their spaces as easily as moving furniture, while maintaining exceptional illumination quality and efficacy."

With its portable design and integrated features, Tazo supports a variety of applications, from commercial offices to educational facilities and beyond. Thoughtfully engineered and refined profiles make Tazo an indispensable tool for balancing convenience, performance, and style.

Award-Winning Innovation

The Best of NeoCon 2024 GOLD Award for Task Lighting cements Tazo's position as a standout product in commercial design. This prestigious accolade celebrates Tazo's ability to deliver exceptional lighting solutions while redefining architectural lighting in today's flexible and multi-use spaces.



For more information, visit
www.focalpointlights.com/Tazo

STREAMLIGHT® INTRODUCES MEGASTREAM® USB FLASHLIGHT

Lightweight, Ultra-Bright EDC Light Delivers Powerful Performance



Streamlight®, Inc., a leading provider of high-performance lighting, launched the MegaStream® USB, a compact USB-C rechargeable flashlight that delivers amazing brightness for a light its size. Designed for professionals and consumers alike, it combines an impressive 1,800 lumens, 26,000 candela, and a two-hour run time on high.

"The MegaStream USB is built for those who demand high-performance lighting in a compact, everyday carry package," said Michael F. Dineen, Streamlight Chief Revenue Officer. "It provides intense brightness with long distance reach, extraordinary run time, as well as convenient USB-C charging. It's an ideal light for first responders, outdoor enthusiasts, professional users, and others who need a durable, extremely bright pocket light."

Measuring just 5.3 inches long and weighing only 5.4 ounces, the MegaStream USB features three output modes: High (1,800 lumens, 26,000 candela, 322-meter beam distance), Medium (500 lumens, 7,200 candela, 170-meter beam distance), and Low (150 lumens, 2,100 candela, 92-meter beam distance). Run times range from 13 hours on the Low setting to two hours on High.

The new light is powered by a 3,500mAh Streamlight SL-B34® lithium-ion battery pack, which can be charged inside or outside of the flashlight. A push-button tail cap switch allows for momentary or constant operation, and a sliding head cover protects the USB-C charging port.

Constructed from machined aluminum alloy with a Type II MIL-Spec anodized finish, the MegaStream USB is built to withstand tough conditions. It features an unbreakable polycarbonate lens, is IPX7-rated waterproof to one meter for 30 minutes, and is 2-meter impact resistance tested.

The MegaStream USB comes in Black and includes Streamlight's Limited Lifetime Warranty. It has an MSRP of \$148.00.



For more information, visit
www.streamlight.com

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| Company | PG# | Company | PG# |
|--------------------------------|-----|--------------------------------|--------|
| APPLETON / EMERSON | 13 | MILLER SAFETY CONSULTANTS, LTD | 11 |
| APPLETON / EMERSON | 15 | RANDL INDUSTRIES | 23 |
| CONDUIT REPAIR SYSTEMS | 4 | SILTEC USA, INC | 31 |
| ELECTRI-FLEX COMPANY | 29 | SP PRODUCTS INC | 1 |
| iTOOLco | IFC | SP PRODUCTS INC | 19 |
| iTOOLco | 21 | SP PRODUCTS INC | 26, 27 |
| iTOOLco | IBC | SP PRODUCTS INC | BC |
| KRENZ & COMPANY | 32 | UNDERGROUND DEVICES | 5 |
| LIGHTFAIR 2025 | 3 | UNDERGROUND DEVICES | 17 |
| MILLER SAFETY CONSULTANTS, LTD | 7 | | |

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Electrical Products & Solutions

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PVC Bell End Adapter
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Warming Up to Electrical Heating Cables

WHAT'S NEW

- 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
- RPS Launches SlowWave Filter To Safeguard Motor and Cables

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.

The built-in capstan switch automatically turns the puller on and off. Simply tug on the rope to start the pull and slack off the rope to shut it down. Delivers dynamic performance in remote locations or areas where power is not yet available.





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FOR SAFER BETTER FASTER JOBS



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

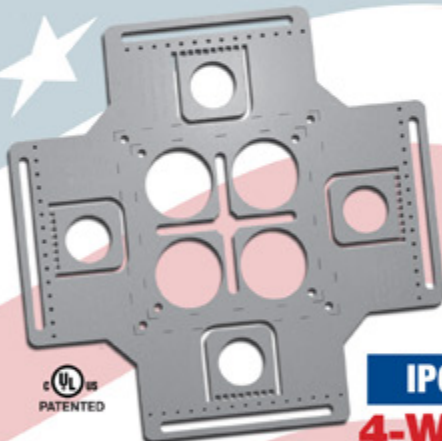
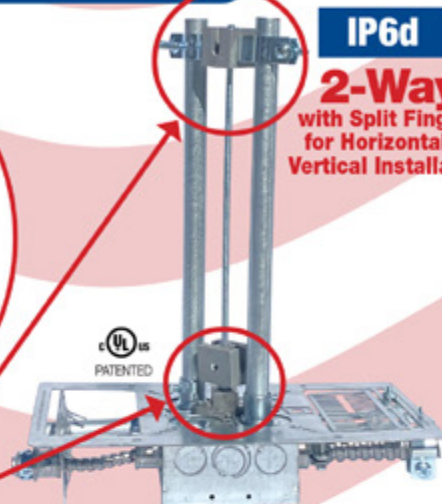
IP21a

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

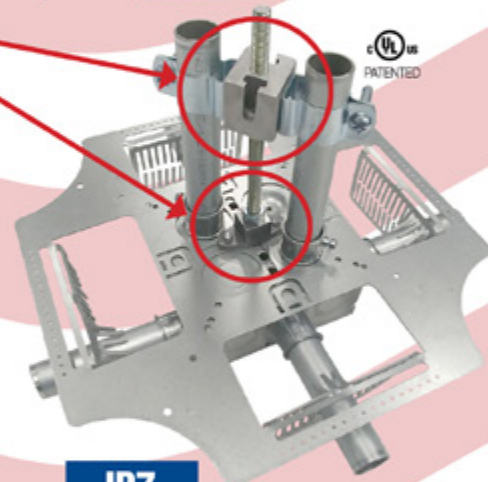
IP6a

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



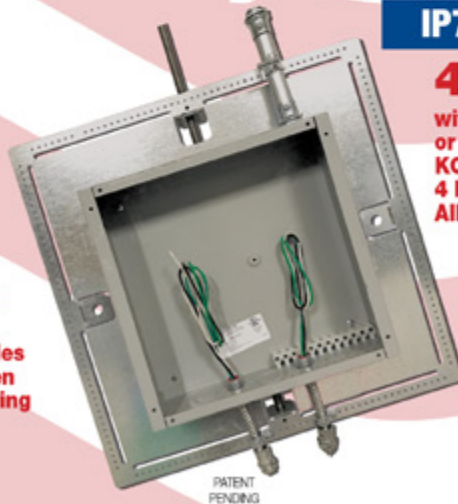
Our Family of Conduit & Box Support Plates Saves Valuable Time & Money!



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

28 x 28

Supports up to 20 x 20 J-Box

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