

April 2023

# Electrical

## Products & Solutions™

*The Purchasing Guide for Electrical Contractors*

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### Manufacturers' Directory

A List of Our Industry's  
Leading Manufacturers  
and Suppliers



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**Company**  
**Profiles**

**The Best of the Best?**  
**You Decide.**

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# iTOOLco.

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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.



company  
PROFILE

iTOOLco

## About Us:



iTOOLco is a unique research and development company that has led the electrical tool industry with their groundbreaking designs since 2001. iTOOLco's inventors & Co-Founders David & Michael Jordan have developed and patented countless innovative products, pushing the envelope of what can be done to improve the lives of electricians and distribution partners alike. iTOOLco has been awarded prestigious accolades, including numerous NECA Showstopper Awards, for its groundbreaking work in

the electrical field. Based in Clinton, TN, iTOOLco is dedicated to creating the highest quality American made products, backed by an industry leading 6 year warranty.

With real world experience as electrical contractors, brothers David and Michael Jordan have a deep understanding of the kind of quality, time-saving tools electricians depend on for doing the job right. Over the years iTOOLco has revolutionized the wire pulling market with the introduction of the first ever

12,000 lb. puller - the Cannon 12K, with built in reverse. As well as their Cordless Cannon 3K & 6K (the first on the market of each, respectively). Capable of reaching areas where power may not be available, these pullers allow users to achieve the same amount of power, without worrying where it will come from. Also known for their Gear Punch which includes lifetime replacement on draw studs, Tray Rollers, numerous Material Handling solutions, etc. iTOOLco ensures that no matter the job, we have a solution. □

Interested? Give us a call at 865-670-3713. Or visit us online at [www.iTOOLco.com](http://www.iTOOLco.com).





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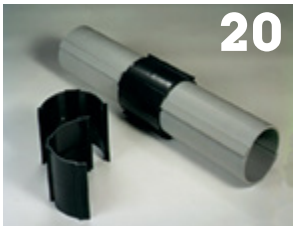
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You Decide!

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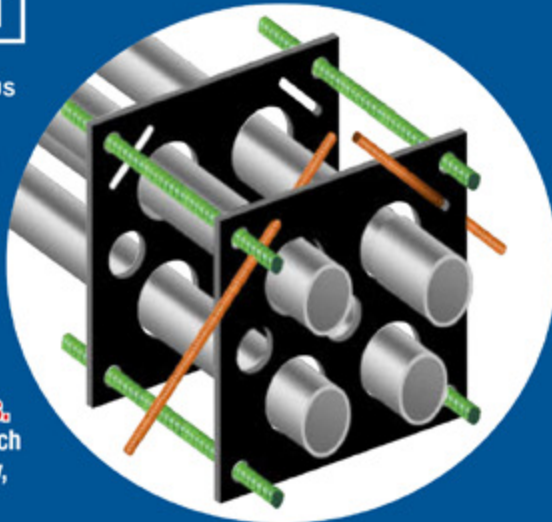
Save on  
Installation!



IP1



Patent  
Pending



Assemble Conduit Above Trench-  
**No Workers Below -  
Prevents Injuries and Deaths.**  
Also Allows Digging a Narrower Trench  
for Less: Excavation, Concrete, Slurry,  
Backfill & Shoring.

IP3b

Patent  
Pending



PVC Offset

Sizes 1/2" thru 6"  
Meets Flexible Mandrel  
Test Requirements

Bore Spacers

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

IP2



IP13A-F

Conduit Transition Couplings



IP15

End Bell  
Adapter  
Schedule  
40/80 PVC



PATENT  
PENDING

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IP14a

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Schedule 40/80

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- ◆ 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



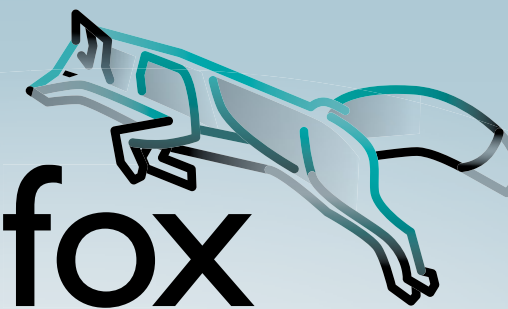
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# Protect Yourself

## 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.electricalsafetyproducts.com](http://www.electricalsafetyproducts.com), email  
Vince at: [sales@millersafetyltd.com](mailto:sales@millersafetyltd.com)  
or give him a call at (703)367-0404.*



### The V5™ 40 Cal Ultralight Lift Front Hood System

1. V5™ High-Volume Ventilator with ArcSense Interrupter™
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4. Paulson face shields and brackets
5. Hood Handle for easy removal or transport
6. LED Head Lamp included

**ULTRALIGHT Premium**



# Protect yourself from "Arc Flash"

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Our V<sup>12</sup> High-Volume Ventilator boasts an unexpectedly quiet, high output (35+ CFM) turbine fan to cool and circulate the ambient air within the hood. Fully protected beneath it's durable ABS shell and added fabric layering, the V<sup>12</sup> High-Volume Ventilator isn't just compliant, it's superior.



## 40 CAL/CM2 ULTRALIGHT CLOTHING BY OTEX

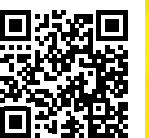
Our new dual-layer Ultralight clothing takes advantage of DuPont's® dedication to scientific advancement and Westex's® industry leading dependability. Weighing in 37% lighter than traditional HRC4 PPE, our Ultralight Clothing is the most innovative contender in the lightweight arena.

## HYBRID LAYERING

Combined Fabric Weight: 14 oz

Outer Layer: DuPont® Protera  
Color: Navy

Inner Layer: Westex Ultrasoft  
Color: Safety Orange



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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.

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15KVPSet (3 Probes, 9 Hot Sticks, Case)

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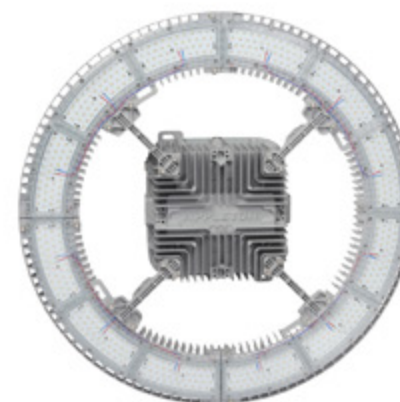


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## Mobile Desk/ Mobile Office Solutions

### Mobile Desk Principles:

**Gary Foster**, Head of Engineering and Product Design

**Sandy Foster**, Head of Production and Distribution

**Doug Mayer**, Director of Sales and Marketing

**M**obile Desk / Mobile Office Solutions is an American Company founded in 1995 by Founders, Doug Mayer, Gary Foster, and Sandy Foster.

Initially, Mobile Desk / Mobile Office Solutions focused on creating Laptop Mounting Solutions that soon evolved into full Electronic Consoles, Electronic Control Centers, Powered Stand-Alone Laptop Mounts, and Tablet Mounting Solutions.

Our goal was to thoroughly identify the needs of America's Largest Electric Utility Company Fleets.

We focused on the needs of the Linemen, and their Telecom Departments for reliable electronics, increasing productivity company-wide by as much as 130%.

As a result of this revelation, we took the steps necessary to produce products that would accommodate all their Fleet's Mobile Office, and Telecom needs into a single well-organized

package that would increase productivity beyond anything the industry had ever encountered.

Our Console products have landed Mobile Desk million-dollar contracts with the US Military and the business of 70% + of all Electric Utility Fleets Nationwide.

Most large electric utilities in the United States currently utilize our Consoles, Electronic Control Centers, Laptop Mounts, Tablet Mounts, and many other products we have developed.

From a Utility Lineman and Telecom

standpoint, we provide two types of Consoles that simplify the electronic needs of most utility companies that use our products.

Vehicle Consoles, or VCs as we call them, can accommodate a variety of pre-configured options tailored to a company's exact specifications.

A VC (Vehicle Console) could have diverse options, including custom configurations directed by the company's needs.

Console -X is the latest innovative mobile office solution to join the Mobile Desk brand family of products. This complete control, communication, and convenience Utility Truck Console is becoming the new standard for fleets of all sizes.

The design of the Console -X originated from our years of experience collaborating directly with the Electric Utility Lineman, Supervisors, Telecom Techs, and Power Company Fleets of some of the most notable companies in America.

It has standard and optional features that maximize ergonomics, productivity, and Fleet and Telecom standards into one neat Mobile Office Console Solution. Patented High-Security Laptop and Tablet options feature a new ergonomic slide-out arm with height adjustment and a positive stop tilt and turn. □

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Our complete control, communication and convenience Utility Truck Console is becoming the new standard for truck fleets of all sizes. Loaded with standard and optional features that maximize ergonomics, productivity, and fleet/telecom standards into a one exceptional Mobile Console Solution.



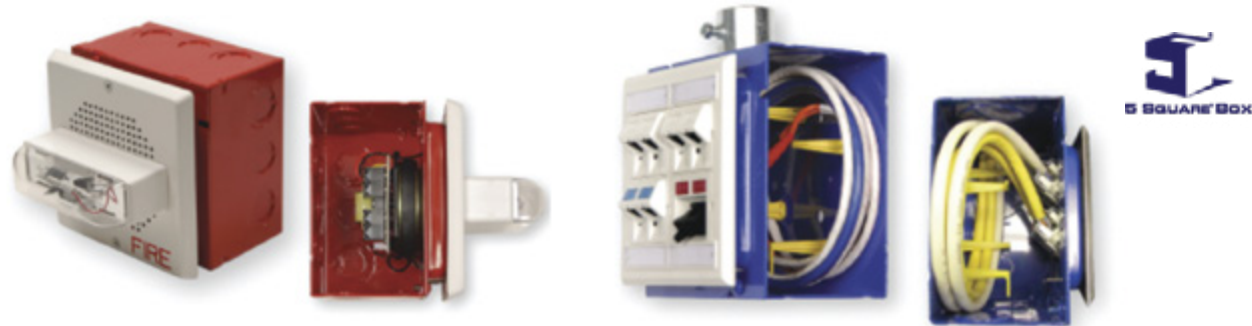
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# Install Peace of Mind...



**R**ANDL Industries, Inc. is an electrical box manufacturing company dedicated to creating innovative solutions to industry challenges. RANDL Industries, Inc. is located in Spokane Valley, Washington. They invented and manufactured the first ever 5 Square® products.

RANDL's Founder and President, Robert Hagarty, spent nearly 30 years as an electrical superintendent and foreman in the electrical construction and installation industry and has been a member of IBEW Local 73 for many years. Over the years, Bob began to notice that the occurrence of ground faults and short circuits in fire alarm systems had become an increasingly severe issue and began tracking the associated troubleshooting hours. Realizing that the problem stemmed from the use of standard electrical boxes, Bob designed and created an entirely new line of back-boxes which he named the 5 Square®. The patented 5 Square® Box (5" x 5" x 2.875") eliminates ground faults and short circuits at the appliance due to the added volume of the box and space around the perimeter of the appliance. The 5

Square® also dramatically reduces stress on terminals resulting in fewer damaged appliances. In addition, a major fire signal manufacturer allows a full complement of conductors to be routed in the box per NEC Table 314.16(B). This allows additional circuits and zones to be pulled through the 5 Square®, potentially reducing conduit. All of these advantages tend to save contractors \$20 - \$30 per installed appliance.

RANDL's second generation of innovative products culminated in their 5 Square® Telecommunications Box. What makes the 5 Square® Telecom Box so special? In addition to the increased size and volume, which allows for slack cable/service loop in the box, the 5 Square® Telecom Box incorporates a cable management system guaranteeing minimum bend radius as required by cable manufacturers. Historically, infringement of cable bend radii was not an issue, but due to current and future transmission rate increases, bend radius observance is now very critical. The 5 Square® Telecom Box supports categories 5e, 6, Augmented 6, 7, Augmented 7, and optical fiber cables as well as expected future generations of

cable sizes. Slack cable/service loop in the box reduces labor during installation as well as future maintenance labor which further increases cost savings.

Due to the value added benefits and related cost savings of the 5 Square® products many engineering firms, universities, hospitals, and government agencies have become avid proponents and specifiers of the products.

The 5 Square® Boxes have a complementary line of plaster rings that adapt from 5 Square® to 4 square and from 5 Square® to standard 1 and 2 gang openings in depths from flat up to 2 inches. There is also an adapter from 5 Square® to 4-11 for mounting fire alarm zone modules.

**Create a Robust and Unrivaled Infrastructure for the Life of your Facility with the 5 Square® Products!**

For more information on the 5 Square® Products please contact us at (509) 340-0050 or sales@randl-inc.com. You can also learn more at www.randl-inc.com. Thank you for choosing RANDL Industries, Inc. ☐

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**WE BEGAN IN 1966** based on more than just making a fair profit. S-P Products Inc.’s philosophy and dedication to making valid contributions to the industry began with “Econo-Whips”; no-center stop couplings and prefabricated assemblies. Our first whip machine we produced was in 1969; any size, length, steel or aluminum flexible conduit, MC Cable, Liquidite, Cord Romex, etc., with any type connectors attached. Then we moved to wire harnessing by innovating industry with “one pull and you’re done” concept thus minimizing waste and increasing efficiency. We moved on with our UL Listed Qwik Duct templates meeting job and engineer specifications on many high profile jobs throughout the country.

Our motto is to care for our country, industry and electricians by encouraging everyone to buy and install quality Made in the U.S.A. innovative products for

Safer-Better-Faster jobs and provide opportunities with fair compensation for current and future generations in this country.

We develop and promote products that accomplish these goals and are proud to being the electrician’s friend by providing them the satisfaction of making valuable contribution to the industry and receiving fair compensation for their ideas. We also provide excellent quality and service at competitive pricing.

S-P Products provides labor saving devices and products to ease electrical

construction projects.

Products like EZ PULL EZ READ Wire Harnesses, Qwik Duct Templates, Transition Fittings, Conduit and Box Support Plates and Trapeze Brackets are some of our high quality, innovative products providing certifications and meeting industry standards.


Many of our products have been invented by experienced electricians. We are very proud of being a dedicated NJATC Training partner, striving to improve our industry any way possible.


Our manufacturing facilities help keep electricians off the bench and good paying jobs in our country.

Think of us as your Prefab shop to meet all high demand requirements and fast paced projects by bidding quicker and securing more jobs.

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**Our motto is to care for our country, industry and electricians by encouraging everyone to buy and install quality Made in the U.S.A.**


**MADE IN USA**



# SP PRODUCTS, INC.

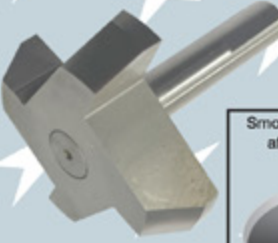
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## FOR SAFER BETTER FASTER JOBS

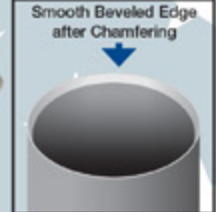
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**IP15a**

**Chamfer Bit**  
for PVC SCH 40/80




PATENT PENDING



Smooth Beveled Edge after Chamfering

**IP27b**

**Electro Post EP-10**  
Box Support Bracket




Mounts on all standard stud widths of 2-1/2", 3-5/8" or 6"

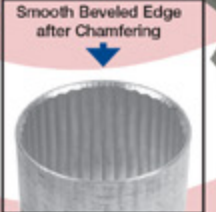
PATENT PENDING

**IP15b**

**Chamfer Bit**  
for Aluminum EMT

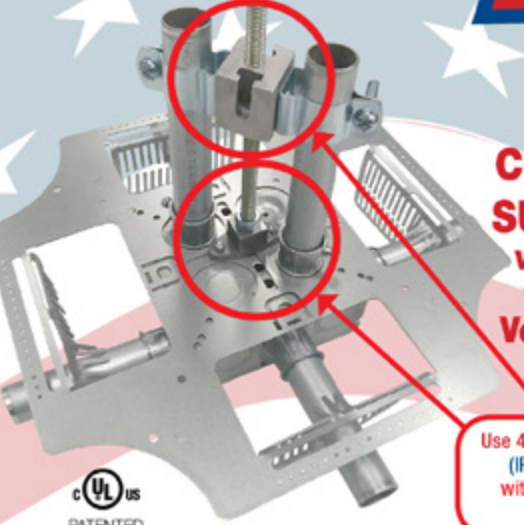


PATENT PENDING



Smooth Beveled Edge after Chamfering

## NEW PRODUCTS

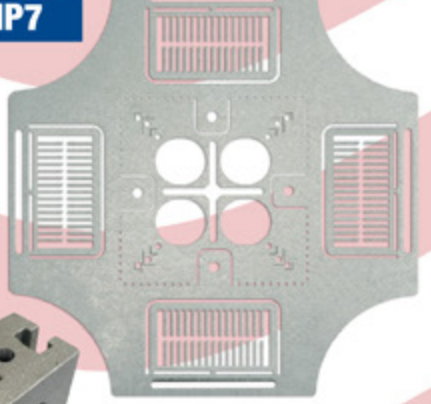


**4-WAY**  
**CONDUIT & BOX**  
**SUPPORT PLATE**  
with Split Fingers  
for Horizontal or Vertical Installation

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


UL PATENTED

**IP7**



**IP21a**  
QwikBlock  
PATENT PENDING


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



**PVC Running Thread SCH 40/80 Up to 30" Long**


PATENT PENDING

**IP3d**




**NEW Transition Fittings**  
Saves a Great Deal of Time Repairing Conduit  
The Inside Diameter Remains the Same  
Allows for Trouble Free Wire and Cable Pulls


**IP13p**  
3/4" MC Cable to PVC



**IP13k**  
Inside PVC to Inside PVC  
PATENT PENDING



**IP13q**  
PVC Reducer  
PATENT PENDING




**Male Threaded PVC Offset**

**IP3c**

1/2" thru 3" Offset for Conduit Sizes 1/2" thru 6"

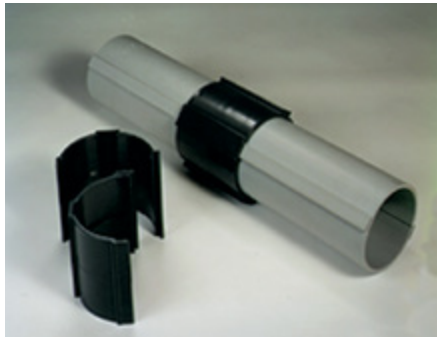
PATENT PENDING



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



# Conduit Repair Systems, Inc.



**T**he old saying, “necessity is the mother of all inventions” holds true for Conduit Repair Systems, Inc. Our split conduit products were originally designed and developed by a cable TV technician and his father-in-law that worked as an engineer. The technician found that he needed a repair product that truly restored damaged PVC pipe to its original state. The technician did some research and found that what he needed didn’t exist at the time. The two men then developed our patented snap together split conduit products. Since the early days of the company, many additional applications for the products have since been discovered including enclosing exposed cables, relocating aerial lines to underground, enclosing cables on bridges, protecting cables on telephone poles, enclosing fiber optics, and relocating cables along roads.

Conduit Repair Systems, Inc. formally began business operations in 1995 and has seen exponential growth ever since. Our company is headquartered in St. George, Utah, which is located about 100

miles North East of Las Vegas, Nevada along Interstate 15. The company chose St. George because of its reputation as the “Palm Springs” of Utah. The warm weather, the world-class golf courses, combined with a very qualified work force made the selection to locate in St. George very easy. Over the past thirteen years Conduit Repair Systems, Inc. has become the world-leading manufacturer of split conduit products. Conduit Repair Systems manufactures split conduit, split couplings, split sweeps, and other related split conduit products specifically designed for electrical, cable TV, and communications applications.

CRS offers its products in a variety of sizes including 1 inch, 1 ¼ inch, 1 ½ inch, 2 inch, 2 ½ inch, 3 inch, 4 inch, 5 inch, and 6 inch.

Conduit Repair Systems, Inc. executive staff consists of highly qualified professionals. The President of the company, David Clove, is a CPA and is also a former Finance Manager for Arizona Public Service. Our National Sales Manager, Paul McMullin, brings twenty years of industry sales experience to the company. All of our manufacturing personnel also have many years of professional experience in the plastics industry.

CRS currently services public utilities, rural electric associations and co-ops, cable TV companies, telephone companies, and electrical contractors through a wide range of distributors located throughout the United States, Canada, Mexico, Japan, Europe, and the Middle East.

If you would like more information regarding our company you can obtain additional information at our website located on the Internet at [www.conduitrepair.com](http://www.conduitrepair.com).

We believe that no one helps you repair or protect your underground distribution or cable network like

Conduit Repair Systems, Inc.! □

# REPAIR CONDUIT IN A SNAP!

No Tape • No Plastic Straps • No Metallic Straps

## NO KIDDING!

*Designed especially for power, communications and fiber optics.*



**STEP 1**  
Remove damaged conduit



**STEP 2**  
Cut split duct conduit to fit



**STEP 3**  
Snap in place

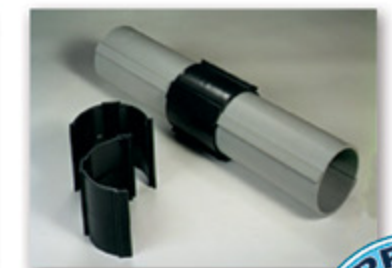
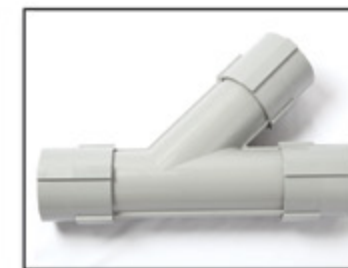


**STEP 4**  
Attach adapters



**STEP 5**  
Finish job in record time

*“The World Leader In Split Conduit Products”*



**Conduit Repair Systems, Inc.**  
The World Leader In Split Conduit Products



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**2022 NECA**  
**ShowStopper**  
**WINNER**

# Transition Couplings PVC Bell End Adapter Galvanized Rigid Conduit



**NEW**



**UL** US  
PATENT  
PENDING



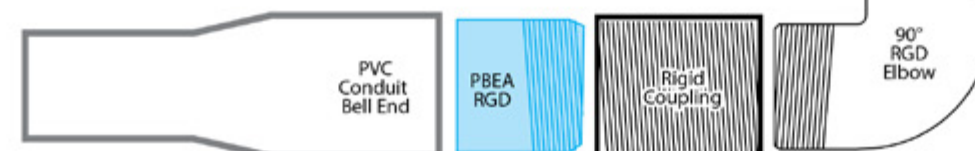
**1/2" thru 6"**

Transition fitting adapter  
from a PVC to Rigid Conduit  
without reaming PVC Conduit

Faster way to transition from a  
Schedule 40/80 PVC Conduit to a  
90° Galvanized Rigid Elbow  
without reaming PVC Conduit

Insert into Bell End of PVC and join  
threaded end into Rigid Coupling  
which joins the 90° Rigid Elbow,  
Rigid Coupling joins the other end  
of 90° Elbow to Rigid Conduit

Meets UL651 CSA CSS.L Ng83  
and US Army Corps or  
Engineers Specs.



PVC  
Conduit  
Bell End



PBEA  
RGD



Rigid  
Coupling



90°  
RGD  
Elbow

## Transition Couplings

Size	Catalog #
1/2"	PBEA/RGD 50
3/4"	PBEA/RGD 75
1"	PBEA/RGD 100
1-1/4"	PBEA/RGD 125
1 1/2"	PBEA/RGD 150
2"	PBEA/RGD 200
2-1/2"	PBEA/RGD 250
3"	PBEA/RGD 300
3-1/2"	PBEA/RGD 350
4"	PBEA/RGD 400
5"	PBEA/RGD 500
6"	PBEA/RGD 600

**Customer must satisfy all codes and owners' specifications.**

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**PATENT PENDING  
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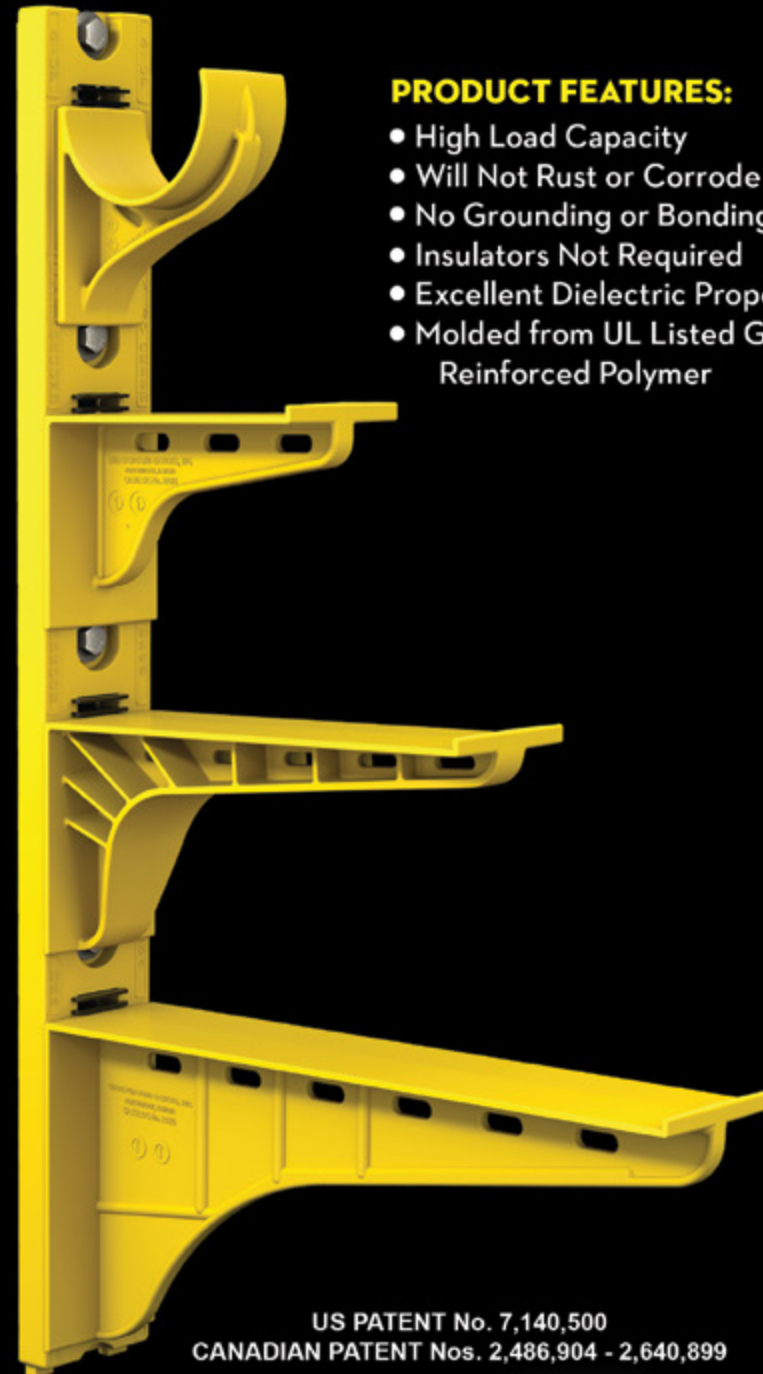
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HDL Arm Lock shown with  
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3HDS - 3" throat saddle shown with  
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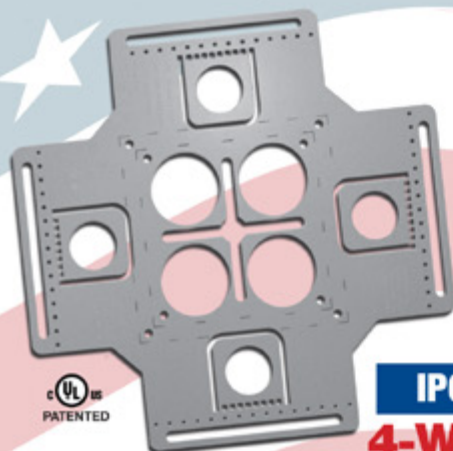


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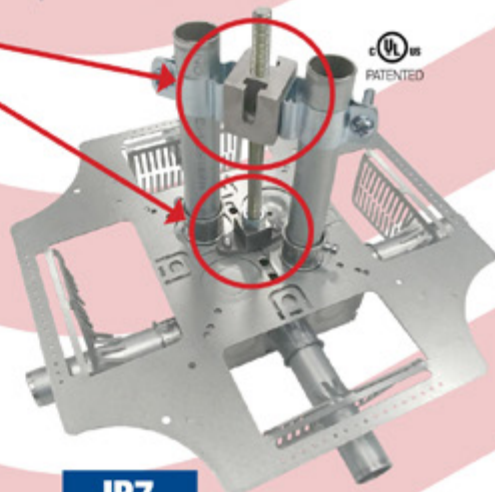
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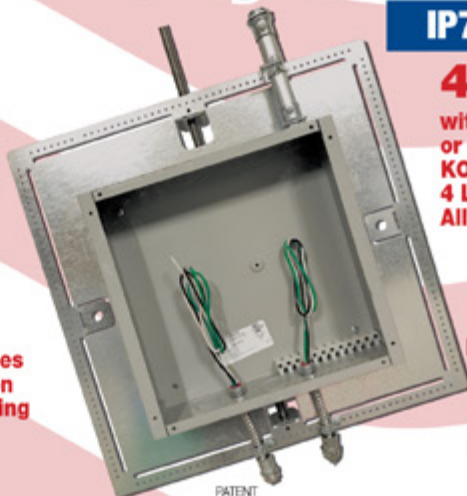
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