

September 2021

THE MOST UNIQUE AND RELIABLE RESOURCE FOR TODAY'S ELECTRICAL CONTRACTOR

# THE **ELECTRIC** CURRENT

**New from  
Larson  
Electronics**

**DEWALT Debuts 60V MAX\* Brushless  
Cordless 7-In. FLEXVOLT Grinder with  
Kickback Brake and 20V MAX\* XR  
Brushless 3-In. Cut Off Tool at  
FABTECH 2021 Conference**



# INNOVATIONS

## Faster Safer Workspace

# iTOOLco.



### ALL JACK™

Increase productivity and decrease fatigue using iTOOLco's All Jack™. Install pipe, lights, cabinets, drywall, temporary dust barriers and much more with this innovative jack designed to lift and support the weight of your workpiece while you anchor it into position.

High ceilings and ladder work are not a problem for this dynamic tool. Reach from 58" to a staggering height of 13'6". The industrial gas shock ensures a snug, stable support that stays in place while you complete the installation. Once your workpiece is secured into place, simply remove the All Jack™ by releasing the shock. More powerful than a typical support pole, the All Jack's gas shock can handle your most challenging jobs.



SCAN QR

### CORDLESS CANNON 3K™

Speed, Versatility, and performance are all yours with iTOOLco's Cordless Cannon 3K™. This portable 3,000 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.

The high-capacity rechargeable battery is long-lasting and delivers maximum power.

The Cannon 3K™ will even chew through a medium size run of 4 - 350 in 3" conduit with 4 - 90s 220' long in record time and still have half the battery life for your next pull.

SCAN QR



### FOLLOW US:



***Making perfect  
connections has  
never been simpler.  
In fact, now it's a  
SNAP!***

**NEW** **SNAP Connectors** from Greaves. A revolutionary compression connector concept that gets the job done with just a few turns of a standard wrench!

- ▶ Time-saving, easy installation
- ▶ Superior pull-out strength and conductivity
- ▶ No bulky and costly tools and dies



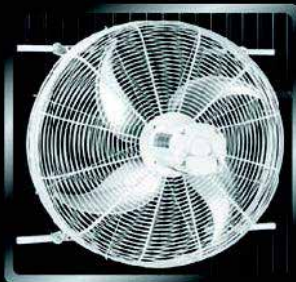
**GREAVES**



PG 4	DEWALT Debuts 60V MAX* Brushless Cordless 7-In. FLEXVOLT Grinder with Kickback Brake and 20V MAX* XR Brushless 3-In. Cut Off Tool at FABTECH 2021 Conference
PG 8	New from Larson Electronics
PG 14	Hastings Line Guards Provide Protection
PG 16	Ad Index



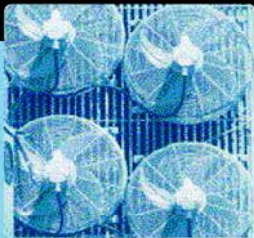
## Get Cool!



**Extend  
transformer  
life!**

**Increase  
transformer  
capacity up  
to 166%!**

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



p.o. box 187 germantown, wisconsin 53022

262.255.2310

[www.krenzvent.com](http://www.krenzvent.com)

# THE ELECTRIC CURRENT

Vol. 21 Issue 9

## PRESIDENT

Glen Hobson  
205-441-5591  
[glen@handfmedia.net](mailto:glen@handfmedia.net)

## DIRECTOR OF ADVERTISING

Bart Beason  
205-699-5495  
[bart@theelectriccurrent.com](mailto:bart@theelectriccurrent.com)

## ADMINISTRATIVE DIRECTOR

Steven Hobson  
[steven@handfmedia.net](mailto:steven@handfmedia.net)

## EDITOR

Brandon Greenhill  
[brandon@handfmedia.net](mailto:brandon@handfmedia.net)

## CREATIVE/ WEB DIRECTOR

Jacklyn Greenhill  
[jacklyn@handfmedia.net](mailto:jacklyn@handfmedia.net)

P.O. Box 1568 • Pelham, AL 35124  
Phone: 205-441-5591 • Fax: 205-624-2181  
[www.theelectriccurrent.com](http://www.theelectriccurrent.com)  
[info@theelectriccurrent.com](mailto:info@theelectriccurrent.com)



*New Construction Products™* is published twelve times a year on a monthly basis by H & F Media, Inc. *New Construction Products™* 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.

*New Construction Products™* is distributed to qualified owners and managers in the construction 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.

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

**Strong  
ALMAG 535  
Material**

# 4-Conduit Block Support From Only One Rod



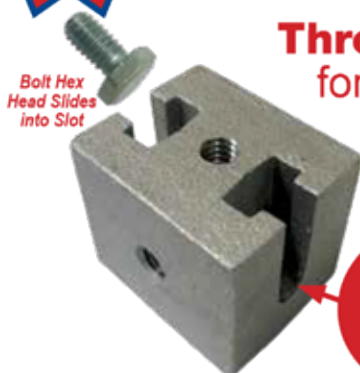
**PATENTED**

**Threaded Block OR Threadless Block  
for Vertical Rod for Vertical Rod**

**For Vertical Rod 1/4" or 3/8"**

*Specify bolt size 1/4" or 3/8" for the conduit clamp*

**ST=(side thread) 1/4" or 3/8"**



*Bolt Hex  
Head Slides  
into Slot*



*Bolt Hex  
Head Slides  
into Slot*

**Standard  
Slots 1/4"**  
3/8" Available  
Upon Request

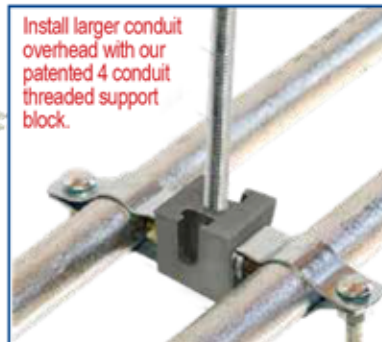
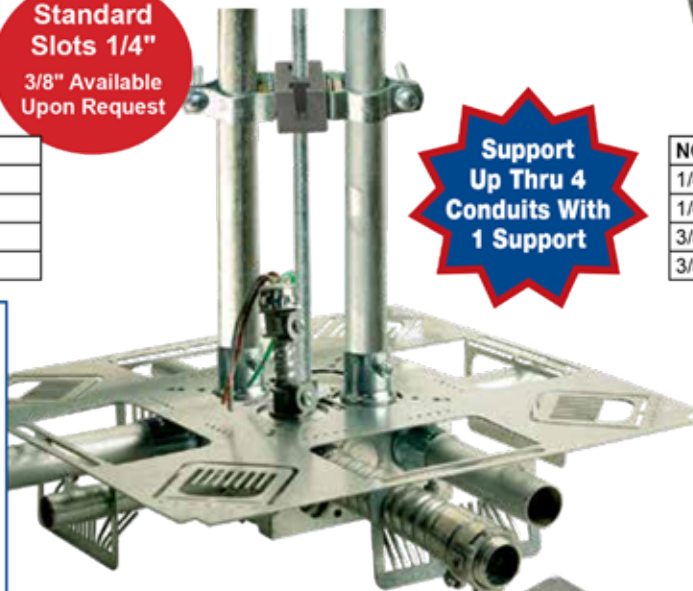
## THREADED BLOCK

1/4 inch rod = Cat# TBT25-ST25
1/4 inch rod = Cat# TBT25-ST38
3/8 inch rod = Cat# TBT38-ST25
3/8 inch rod = Cat# TBT38-ST38

**Support  
Up Thru 4  
Conduits With  
1 Support**

## NON-THREADED BLOCKS

1/4 inch rod = Cat# TBT25-NT-ST25
1/4 inch rod = Cat# TBT25-NT-ST38
3/8 inch rod = Cat# TBT38-NT-ST25
3/8 inch rod = Cat# TBT38-NT-ST38



*Install larger conduit  
overhead with our  
patented 4 conduit  
threaded support  
block.*

**New  
Block**

**AVAILABLE  
SOON**  
**For Vertical Rod  
1/4" or 3/8"**



**4 threaded holes on  
4 sides (no slots)**  
*Specify bolt size 1/4" or 3/8"  
required for the conduit clamp*

**PATENTED**

## FAST & EASY TO INSTALL



**1**

Insert  
Threaded or  
Threadless  
Rod



**2**

Drop Hex Heads  
into Slots to  
Attach Minis



**3**

Attach Minis  
Tighten Nuts



**4**

Minis Attached  
Ready for  
Conduit to  
be Inserted



**5**

Insert Conduit  
Tighten Nuts and  
Bolts on Minis

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

**SP PRODUCTS, INC**  
*Productivity and value thru ideas*



**PATENT PENDING  
PATENTED**

**LABELS APPLY TO PRODUCTS ONLY WHERE SHOWN ABOVE**



730 Pratt Boulevard • Elk Grove Village, IL 60007  
P: (847) 593-8595 • F: (847) 593-8629 • Toll-free (800) 233-8595  
E: info@spproducts.com • www.spproducts.com

**IP19-20**









# **DEWALT Debuts 60V MAX\* Brushless Cordless 7-In. FLEXVOLT® Grinder with Kick- back Brake and 20V MAX\* XR Brushless 3-In. Cut Off Tool at FABTECH 2021 Conference**

DEWALT announces the launch of the new 60V MAX\* Brushless Cordless 7-In. FLEXVOLT® Grinder with Kickback Brake™ (DCG440B) and 20V MAX\* XR® Brushless 3-In. Cut Off Tool (DCS438) at FABTECH® 2021 Conference. These new product offerings provide professionals the tools they need to get the job done.

Designed to power through heavy-duty grinding jobs with ease, the new 60V MAX\* Brushless Cordless 7-In. FLEXVOLT® Grinder with Kickback Brake™ delivers 30 percent more torque than the DCG418 60V MAX\* FLEXVOLT® Grinder\*\* and up to 2,300 max watts output. Featuring up to a 7-In. grinding capacity and a no-load speed of 6,500 RPM, the grinder is ideal for wire brushing as well as general grinding and cutting during metal and concrete applications.

Built with user protection top of mind, the grinder is part of the DEWALT PERFORM & PROTECT™ line of tools and features the E-CLUTCH® System as well as a Kickback Brake™. PERFORM & PROTECT™ tools are designed to provide a high level of one or more of the following: control, dust containment or low vibration, without sacrificing performance. The brake brings the wheel to a halt once the trigger is released while the E-CLUTCH® System immediately shuts down the motor when a pinch or stall is detected. The Kickback Brake™ incorporates both of these features, activating in the event that a pinch or stall occurs, engaging the brake at maximum force and shutting the tool down; effectively reducing the force towards the user.

The new 20V MAX\* XR® DEWALT Brushless 3-In. Cut Off Tool is designed to cut a variety of materials such as metal, drywall, fiber cement, plastic, tile and stone. With 550 max watts output\*\*\*, a no-load speed of 20,000 RPM, a 3/8-In. arbor and 0.79-In. max depth of cut, the cut off tool is ready to handle many applications across the trades. The cut off tool has both forward and reverse capability and includes a removeable dust shroud with adjustable shoe and AirLock™ connection allowing for convenient attachment to DEWALT extractors (sold separately). In addition, the unit includes a 7/16-In. arbor adapter ring and three wheels: a Bonded Abrasive Wheel, a Diamond†Multi-Material Wheel and a Diamond† Tile Wheel. Lastly, the unit comes





outfitted with a tool free adjustable guard, onboard wrench storage and LED light.

Both the 60V MAX\* Brushless Cordless 7-In. FLEXVOLT® Grinder with Kickback Brake™ and 20V MAX\* XR® Brushless 3-In. Cut Off Tool are TOOL CONNECT™ Chip Ready (DCE042 sold separately) and can be tracked virtually on the jobsite via the DEWALT TOOL CONNECT™ Site Manager app. Each comes standard with a three-year limited warranty, one-year free service contract and 90-day money-back guarantee.

The 60V MAX\* Brushless Cordless 7-In. Grinder FLEXVOLT® with Kickback Brake™ will be available kitted (DCG440X2) with two 60V MAX\* FLEXVOLT® batteries (DCB609) for \$499 MSRP or as a bare tool (DCG440B) for \$259 MSRP. The 20V MAX\* XR® Brushless 3-In. Cut Off Tool will be available as a bare tool later this year where DEWALT products are sold. For more information on DEWALT products and solutions, visit [DEWALT.com](http://DEWALT.com).

*\*Maximum initial battery voltage (measured without a workload) is 20 and 60 volts. Nominal voltage is 18 and 54.*

*\*\*DCG440 using DCB609 battery has 30% more torque when compared to DCG418 using DCB609 battery.*

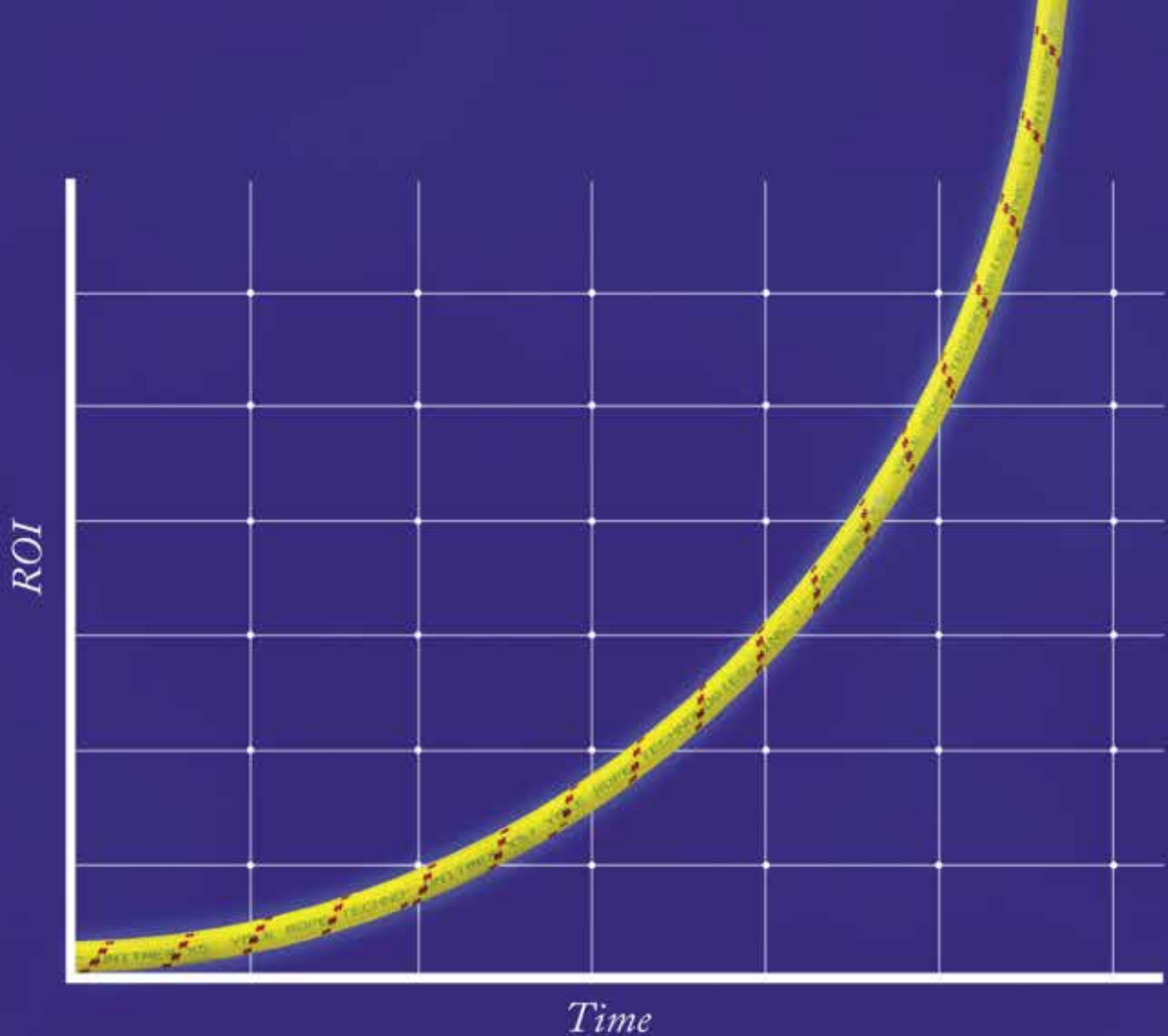
*\*\*\*DCS438 tested with DCB203 battery.*

*†This blade uses manufactured diamonds engineered for cutting.*

*FABTECH is a registered trademark of the Society of Manufacturing Engineers and Fabricating Manufacturers Association, which has not endorsed or approved these products.*

**[www.DEWALT.com](http://www.DEWALT.com)** •





## Unitrex XS™ Max Wear. Unmatched performance in the field and in the boardroom.

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

To learn more, visit [www.yalecordage.com](http://www.yalecordage.com)

**YALE CORDAGE**  
Performance. Passion. Possibilities.

77 Industrial Park Road | Saco, Maine 04072 | p (207) 282-3396, f (207) 282-4620



# New from Larson Electronics

---

In the past weeks, the corona virus has devastated numerous schools around the country. Some schools have already closed their doors due to local outbreaks, while others are implementing new sanitation protocols to curb infection rates.

Students, as well as faculty members and parents are all prone to getting sick in schools without sanitation measures, such as installing Larson Electronics UV air purifiers in rooms and using UV sanitation carts between classes.

These powerful cleaning devices not only eliminate the corona virus, but are also effective against other types of harmful microbes that cause seasonal allergies and the flu!

Our UV sanitation systems work by targeting viruses and microorganisms directly where they lurk: in the air and on surfaces.

Larson Electronics UV air purifiers (IND-AH series) continuously clean the air from the upper sections of rooms. Suitable for occupied areas, the units feature UV 254 nm lamps inside an enclosed chamber, which prevents UV exposure.

Next, our UV disinfection carts (IND-CD series) are capable of sanitizing surfaces inside classrooms, eating areas, faculty rooms, hallways and gyms. Equipped with wheels, the units feature 360 degrees of coverage for thorough cleaning.

Sanitation with Larson Electronics UV disinfection systems does not require contact with dirty surfaces or application of liquid cleaners. This makes the cleaning process safer and helps preserve school equipment.

Looking for complete, no-contact sanitation solutions? We have the largest, industry-leading UVC and far UV sanitation catalog in the world. Check out our UVC and far UV sanitation catalogs for more information.





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

You've struggled with 4 Square boxes for years - you know how small, cramped and time consuming they are. Finally, there is a solution that allows you the space you have always needed.

The **5 Square®** Boxes (5" x 5" x 2-7/8") provide up to 88 in<sup>3</sup> of interior volume which more than doubles that of most existing boxes on the market.

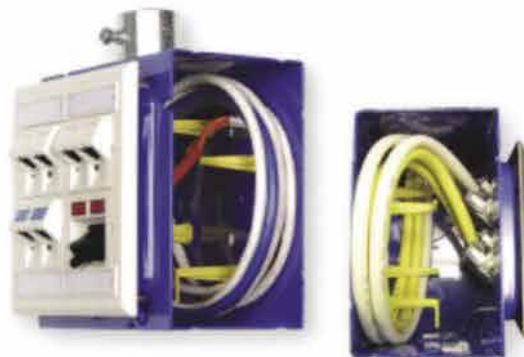
Create a robust and unrivaled infrastructure for the life of your facility with the **5 Square®** Products!

**Fire Signal**



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

**Telecommunications**



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



# Skid Mount Box

Solar-powered systems consist of many parts – from batteries and charge controllers to converters and fuses.

Housing all of these components in a single, easy-to-access job box is a very effective way to organize, utilize and transport the equipment around remote areas.

Through robust protection from outdoor elements (sunlight, moisture and debris), investing in a heavy-duty solar job box can also save you money in the long term.

Larson Electronics manufactures and designs solar job boxes for industrial, outdoor applications. These units are secured on a skid base for seamless transportation with forklifts and vehicles.

Solar panels can be included on the skid base, as well as a genset for backup power. Models with masts are also available for raising equipment in outdoor locations. This solution is recommended for job sites requiring elevated lighting, security and more.

For added protection in rugged environments, our solar job boxes on skid bases are finished with a durable powder coating. This protects the frame and makes the overall system more resilient in outdoor areas.







## Custom Insurance for the Construction Industry

### With XINSURANCE, You Get...

- All-In-One Approach
- Agent Friendly
- Limits up to \$10MM
- Property & Casualty
- Professional Liability
- Commercial Auto Liability  
(available in most states)
- Products Liability
- Exclusions/Gaps in  
Current Coverage & More

Ask us  
about our new  
coverage option –  
Communicable  
Disease  
Liability



To get your free  
custom insurance  
quote for the  
construction industry,  
visit [www.xinsurance.com](http://www.xinsurance.com)

You can also contact  
Logan Fitzgerald directly at  
**801.304.5562** or  
[loganf@xinsurance.com](mailto:loganf@xinsurance.com)

XINSURANCE is powered by Evolution Insurance Brokers, LC ("EIB"), an excess and surplus lines insurance brokerage. XINSURANCE is a DBA of EIB, which is domiciled in and has its principal place of business in Sandy, Utah. This insurance product is offered by an unlicensed surplus lines insurer. The NPN for EIB is 5464658 and CA license number is OH93938.

# XINSURANCE





# Portable Electrostatic Sprayers

**Problem:** You need an effective way to sanitize your business facilities thoroughly and quickly, to prevent the spread of the corona virus or other disease-causing microbes.

Initially, you tried wiping down the area at the end of every work day – but the process is extremely time consuming. Getting around bulky machines, equipment, furniture and dividers is no easy task!

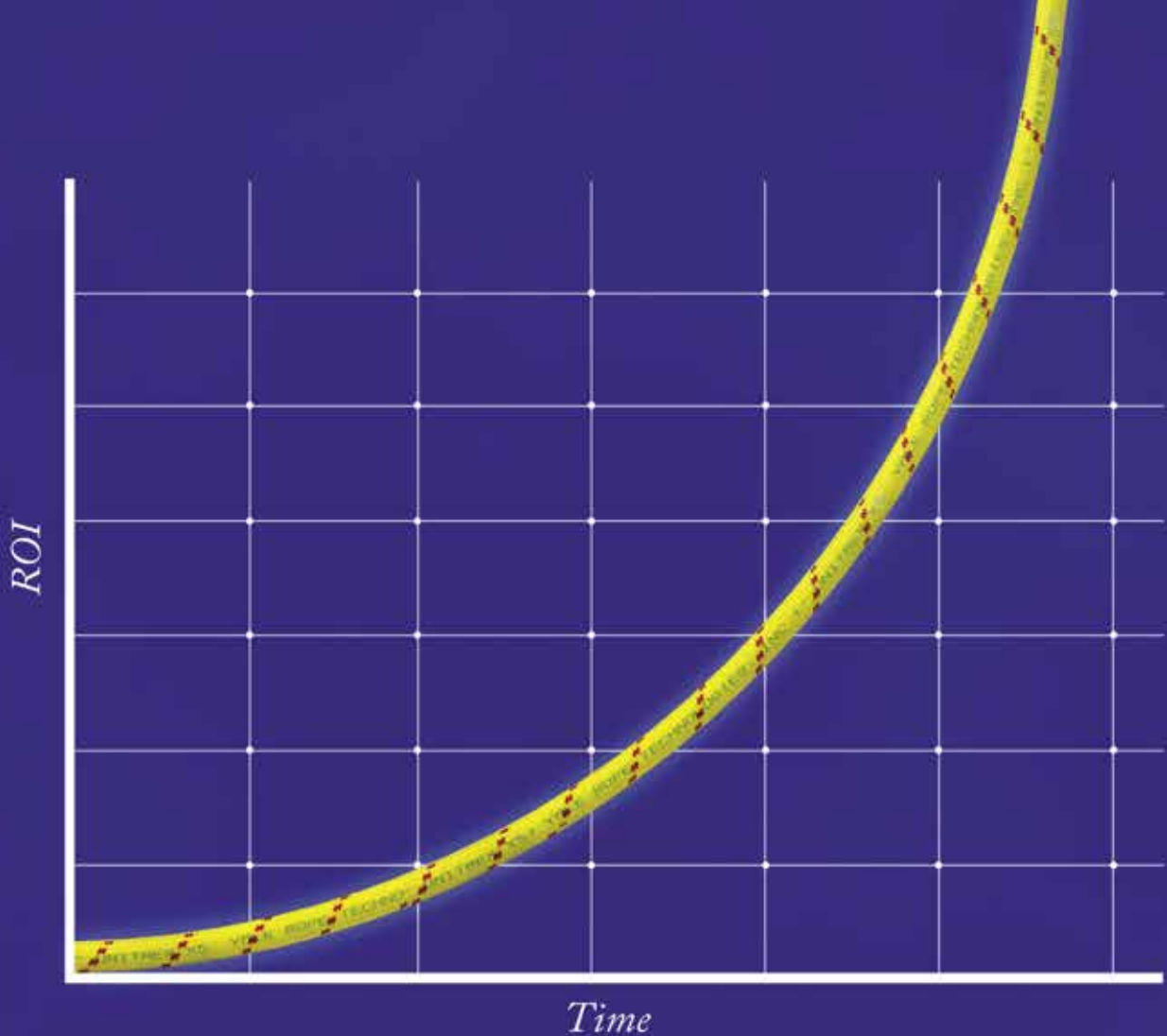
**Solution:** Use the Larson Electronics portable electrostatic sprayer to sanitize buildings and rooms easily, without coming in contact with dirty surfaces.

**Why:** Portable electrostatic sprayers work by releasing a charged mist into the area. The mist contains sanitizing properties that “wrap” around contaminated surfaces or equipment. Compared to abrasive liquid cleaners, this solution is non-corrosive and can be applied from a safe distance.

Larson Electronics portable electrostatic sprayers are battery powered, allowing individuals to clean hard-to-reach sections of the building. Our cordless unit with a 4.22-gallon tank can cover up to 40 acres per charge (five acres per hour).

Applications: Portable electrostatic sprayers are recommended for industrial facilities, commercial areas, restaurants, offices, schools, public transit areas and more!





## Unitrex XS™ Max Wear. Unmatched performance in the field and in the boardroom.

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

To learn more, visit [www.yalecordage.com](http://www.yalecordage.com)

**YALE CORDAGE**  
Performance. Passion. Possibilities.

77 Industrial Park Road | Saco, Maine 04072 | p (207) 282-3396, f (207) 282-4620



# WE HAVE THE ROPE TO GET THE JOB DONE.



**BUCCANEER**  
rope company  
*Providing strength & stability, with a twist.*

## Hastings Line Guards Provide Protection



Hastings, a worldwide manufacturer of hot line tools and equipment, understands that every day has the potential to bring the unexpected to line-workers. That is why Hastings designs every product, including our Line Guards, with safety in mind.

Hastings Line Guards are installed before setting new poles to guard against accidental line contact. They also guard against accidental contacts by personnel working in insulating aerial buckets or on platforms. Manufactured with Hastings' safety yellow polyethylene, our Line Guards are lightweight and easy to clean.

Hastings Line Guards feature a larger I.D. than traditional rubber hoses with an opening of 1.77 inches compared to the average 1.25 inches. They are available in 5- and 6-foot lengths and rated 15 and 25 kV.

Since 1959, Hastings has pioneered design and fabrication of hot line tools to withstand today's toughest field conditions. With a passionate commitment to innovation, Hastings products make the job safer and easier.

Line Guards can be found on page 603 of Hastings' online catalog.

For more information, call (269) 945-9541 or visit [www.hfgp.com](http://www.hfgp.com) •

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

You've struggled with 4 Square boxes for years - you know how small, cramped and time consuming they are. Finally, there is a solution that allows you the space you have always needed.

The **5 Square®** Boxes (5" x 5" x 2-7/8") provide up to 88 in<sup>3</sup> of interior volume which more than doubles that of most existing boxes on the market.

Create a robust and unrivaled infrastructure for the life of your facility with the **5 Square®** Products!

**Fire Signal**



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

**Telecommunications**



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



## Ad Index

Company	Pg.	Website
Buccaneer Rope	14	<a href="http://www.bucrope.com">www.bucrope.com</a>
Conduit Repair	BC	<a href="http://www.conduitrepair.com">www.conduitrepair.com</a>
Emars	16	<a href="http://www.emarsinc.com">www.emarsinc.com</a>
Greaves	1	<a href="http://www.greaves-usa.com">www.greaves-usa.com</a>
iToolCo	IFC	<a href="http://www.itoolco.com">www.itoolco.com</a>
Krenz Vent	2	<a href="http://www.krenzvent.com">www.krenzvent.com</a>
Randl Inc	9, 15	<a href="http://www.randl-inc.com">www.randl-inc.com</a>
SP Products	3, IBC	<a href="http://www.spproducts.com">www.spproducts.com</a>
X Insurance	11	<a href="http://www.xinsurance.com">www.xinsurance.com</a>
Yale Cordage	7, 13	<a href="http://www.yalecordage.com">www.yalecordage.com</a>



## On Site Employee Verification

Bob Put In 9 Hours And 3 Minutes Of Work On Tuesday.  
**Stop Guessing. Start Verifying!**

Always Know Who, When and Where with eMars Compliant Client and RFID  
Be Davis - Bacon Compliant In Minutes • Users Report 85% Savings of Money and Time • Alerts You of 30 Compliance Errors

Ph. 480-595-0466



eMarsinc.com



**SP PRODUCTS, INC.**  
*Productivity and value thru ideas*  
**FOR SAFER BETTER FASTER JOBS**

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

# Qwik Duct Safer Better Faster

**HDPE CUSTOM TEMPLATES**  
*In Any Configuration Required*

**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*

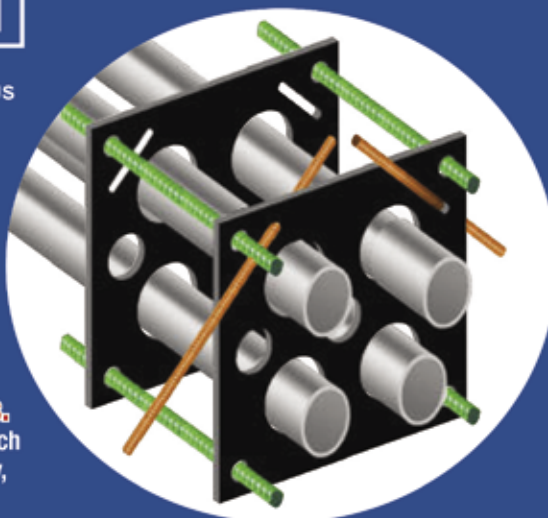
**IP2**



**IP1**



Patent Pending



**IP13A-F**

## Conduit Transition Couplings



**PVC Schedule 40 & 80**  
*Transitions in Less Than 5 Minutes*

PATENT PENDING



**IP15**

PVC/PVC

PVC/EMT

PVC/Rigid

PVC/Liquidite

PVC/Stainless

PVC/Alum

PVC/Flex

**IP14a**

**End Bell Adapter**

Schedule 40/80 PVC



PATENT PENDING

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

**1 Piece Reaming Bit**

1/2" thru 6"  
 Schedule 40/80

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



**SPProducts.com 800-233-8595 info@SPProducts.com**



# REPAIR CONDUIT IN A SNAP!

- No Tape
- No Plastic Straps,
- No Metallic Straps

## NO KIDDING!

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



**"The World Leader In Split Conduit Products"**



**Conduit Repair Systems, Inc.**

The World Leader In Split Conduit Products

800-670-1804

fax: 435-673-8724

email: [crs@conduitrepair.com](mailto:crs@conduitrepair.com)



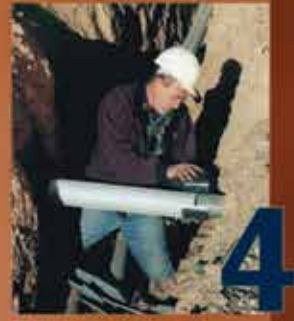
**Step 1: Remove  
Damaged Conduit**



**Step 2: Cut Split  
Duct Conduit to Fit**



**Step 3: Snap in  
Place**



**Step 4: Attach  
Adapters**



**Step 5: Finish Job  
in Record Time**

**Please Visit Our Website at [WWW.CONDUITREPAIR.COM](http://WWW.CONDUITREPAIR.COM)**