August 2020

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

Klein Tools New 11-in-1 Magnetic Screwdriver and Nut Driver Designed for Speed and Ease



Install Peace of Mind!

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 in³ 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!





Expanded Polypropylene Grade Ring System

THE FASTEST AND LIGHTEST GRADE ADJUSTMENT SYSTEM.



OVER 175,000 INSTALLED

Used for more than a decade in the municipal sewer industry Cretex Specialty Products is now making our Pro-Ring expanded polypropylene (EPP) grade system available to power utilities and the telecom industry. These rings are light weight, yet traffic rated and come in varying thicknesses from ¾" to 6" and we offer an angled or tapered ring as well. Our newest size has a 36" ID x 46" OD. Custom made sizes available.

> AVAILABLE IN RECTANGULAR AND SQUARE SHAPES





TEC Contents · August 2020

- PG 4 Platinum Tools® Offers Free Termination Kits
- PG 6 Klein Tools New 11-in-1 Magnetic Screwdriver and Nut Driver Designed for Speed and Ease
- PG 12 Ad Index





Vol. 20 Issue 8

PRESIDENT

Glen Hobson 205-441-5591 glen@tipsmag.net

PUBLISHER

Bart Beason 205-699-5495 bart@theelectriccurrent.com

ADMINISTRATIVE DIRECTOR

Steven Hobson steven@tipsmag.net

EDITOR

Brandon Greenhill brandon@cjspublishing.com

CREATIVE/ WEB DIRECTOR

Jacklyn Greenhill jacklyn@cjspublishing.com

Get Cool! Extend



Extend transformer life!

Increase transformer capacity up to 166%!

- expert technical assistance
 large inventory
- Iow sound levels

n.e. box 187 ge

energy-efficient motors



· galvanized or stainless steel guards



P.O. Box 1568 • Pelham, AL 35124 Phone: 205-441-5591 • Fax: 205-624-2181 www.theelectriccurrent.com info@theelectriccurrent.com

The Electric Current™ is published eight times a year on a monthly basis by CIS Media. The Electric Current™ 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.

The Electric Current[™] is distributed to to qualified owners and managers in the electrical 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 CJS Media • P.O. Box 1568 Pelham, AL 35124 PRINTED IN THE USA

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

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



860-664-4505 | 800-243-1130 | www.greaves-usa.com | info@greaves-usa.com

Platinum Tools® Offers Free Termination Kits

The Offer Includes Select Termination Kits with the Purchase of Select Advanced Cable or Network Testers; Up to a \$489 Value

Platinum Tools® (www.platinumtools.com), the leader in solutions for the preparation, installation, hand termination and testing of wire and cable, is now offering free termination kits with the purchase of select advanced cable or network testers. The offer is up to a \$489 value and the runs through the remainder of 2020.

The offer includes:

Buy a Net Chaser[™] and get 90170 & 90147 kits
 - a \$489 value

Platinum Tools' advanced network speed certifier comes with everything you need to terminate almost any category cable.

Buy a Net Prowler[™] and get a 90147 Kit - a
 \$249 value

Platinum Tools' full-featured network tester comes with everything you need to terminate the most advanced pass-through RJ45s.

Buy a Cable Prowler[™] and get a 90188 kit - a
 \$100 value

Platinum Tools' top cable tester with advanced length measurement comes with the basics to start using the ezEX connector. For more information on Platinum Tools and its complete product line, please visit www.platinumtools.com, call (800) 749-5783, or email info@ platinumtools.com.

About Platinum Tools

Platinum Tools LLC, an NSi Industries company, was created based upon two very simple objectives. First, develop the absolute best possible solutions for the preparation, installation, and hand termination of wire and cable. Second, implement an operational infrastructure that can deliver these products in an efficient, timely, and high quality manner.

All of our products must absolutely satisfy three critical benchmark criteria...utility of function; quality of function; and economic value. Our people are our company. They, too, must be focused on and work to satisfy three critical benchmark criteria...customer satisfaction; product knowledge and expertise; and willingness to learn and adapt.

www.platinumtools.com



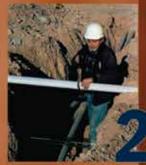
Free Termination Kits when You Buy one of Our Advanced Cable or Network Testers - up to \$489 value!







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

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"



800-670-1804 fax: 435-673-8724 email: crs@conduitrepair.com

Please Visit Our Website at WWW.CONDUITREPAIR.COM

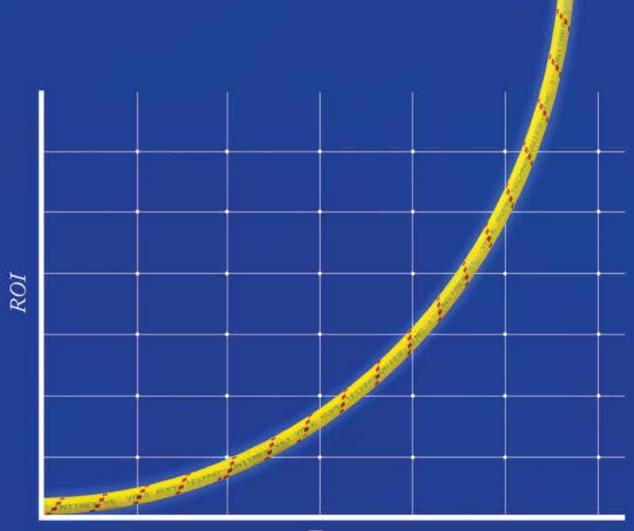
Klein Tools New 11-in-1 Magnetic Screwdriver and Nut Driver Designed for Speed and Ease

Klein Tools (www.kleintools.com), for professionals since 1857, introduces the 11-in-1 Magnetic Screwdriver/ Nut Driver, built with powerful magnets and designed for fast blade changes to make trade professionals' jobs easier.

11-in-1 Magnetic Screwdriver/ Nut Driver (Cat. No. 32500MAG)

• Integrated screwdriver/ nut driver magnetic barrel holds 8 popular tips and coverts to 3 nut driver sizes

6 TEC Magazine • July 2020



Time

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





- Cushion-Grip handle for greater torque and comfort
- Blast-finished bit tips proved a firm hold and reduce cam-out
- Includes: 1/4-inch, 5/16-inch and 3/8-inch nut drivers, #1 and #2 Phillips, 3/16-inch and 1/4-inch slot-



The Bright Idea S2 LED Bulb

is the LED solution you've been waiting for

Let's be real. A light bulb isn't just a light bulb... Replace old HID lamps with the new LED S2

From public safety to maintenance needs, this bright, flexible and inexpensive LED Solution reduces headaches across the board.

Simply source the latest in outdoor lighting technology from the best lighting source. And, the most trusted distributor of the Brex Lighting® S2 LED Bulb.

Kelvin Options 3000K 4000K 5000K And more to come





Longevity + Output

50,000 Hours / 4,200 Lumens

Compatibility

Shape + Size of Traditional HID Lamps

Cost + Power Usage

Half the Cost and Energy Use of Typical HID Lamps

Heat

Coolest Operating Temperatures Suitable for Enclosed Luminaries

> Support 5-Year Warranty

Incandescent Equivalent Wattage	300
CFL Equivalent Wattage	85
HID Equivalent Wattage	100
Volts	
Brightness Lumens	4200
Average Rated Hours	50,000
Beam Spread	3302
CRI	>80



877-BREX-LED

www.BREXLIGHTING.com

WE HAVE THE ROPE TO GET THE JOB DONE.

ted, T10 and T15 TORX®, and #1 and #2 square recess tips

"One of the most important things trade professionals are always on the lookout for is versatile tools that make their jobs easier," said Austin Minor, product manager at Klein Tools. "This screwdriver and nut driver gives professionals 11 different options to choose from, 8 popular tips and 3 nut driver sizes. It's a classic 11-in-1 platform with an innovative design that implements powerful rare earth magnets in the barrels to securely hold fasteners. Additionally, the Cushion-Grip handle keeps the tool comfortable and allows for greater torque and overall ease of use.

For more information, visit www.kleintools.com/ new-products or search for #NewKleins on social media.

About Klein Tools

Since 1857 Klein Tools, a family-owned and operated company, has been designing, developing and manufacturing premium-quality, professional-grade hand tools. The majority of Klein tools are manufactured in plants throughout the United States and are the No. 1 choice among professional electricians and other tradespeople. For more information, visit www. kleintools.com.

Klein is a registered trademark of Klein Tools, Inc.

www.kleintools.com

800-358-7673

www.bucrope.com



testil innersentitet litter

Decorative LED Lighting to Complete Your Next Urban Design Project

Join Us At LIGHTFAIR® International 2019! Philadelphia, PA · May 21-23 · Booth #5319

BrandonIndustries.com

Ad Index

Company	Pg.	Website
Brandon Industries	11	www.brandonindustries.com
Brex Lighting	9	www.brexlighting.com
Buccaneer Rope	10	www.bucrope.com
Conduit Repair	5	www.conduitrepair.com
Cretex Seals	1	www.cretexseals.com
Emars	12	www.emarsinc.com
Greaves	3, BC	www.greaves-usa.com
Krenz Vent	2	www.krenzvent.com
Randl Inc	IFC	www.randl-inc.com
SP Products	8	www.spproducts.com
Yale Cordage	7	www.yalecordage.com



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

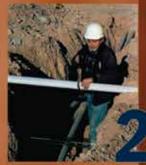
Ph. 480-595-0466



eMarsinc.com



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

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"



800-670-1804 fax: 435-673-8724 email: crs@conduitrepair.com

Please Visit Our Website at WWW.CONDUITREPAIR.COM

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

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



860-664-4505 | 800-243-1130 | www.greaves-usa.com | info@greaves-usa.com

GREAV