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**A Tool Falling  
From a 50-Foot  
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in Less Than  
Two Seconds!**



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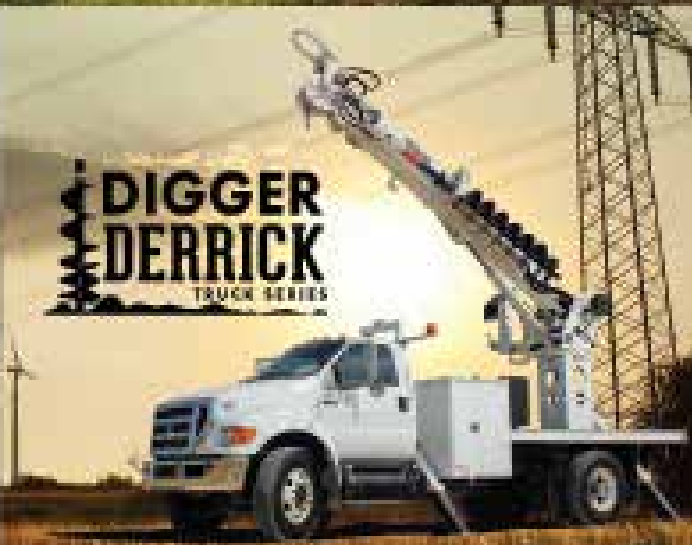
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The Utility Source™ is published twelve times a year on a monthly basis by H&F Media Group, Inc. The Utility Source™ is distributed free to qualified subscribers. Non-qualified subscription rates are \$57.00 per year in the U.S. and Canada and \$84.00 per year for foreign subscribers (surface mail). U.S. Postage paid at Birmingham, Alabama and additional mailing offices.

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## Jarraff Industries Opens New Authorized Service Center



Jarraff Industries recently announced the opening of a new authorized service center. The new service center, located in Anniston, Alabama, offers experienced mechanics and parts availability for the Jarraff All-Terrain Tree Trimmer, the Geo-Boy Brush Cutter Tractor and the Mini-Jarraff Rear Lot Trimmer.

“This center will help meet the service needs of a wide range of Jarraff Industries customers. With the ability to service all Jarraff Industries equipment, customers will be able to keep their machines in the field, achieving high levels of productivity,” said Heidi Boyum, President/CEO Jarraff Industries.

The new service center provides boom repair, general maintenance, undercarriage maintenance, part installation, hydraulic service and more. Jarraff Industries manufactures a line of advanced ROW maintenance, brush clearing and tree trimming equipment including the Jarraff All-Terrain Tree Trimmer, the Geo-Boy Brush Cutter Tractor and the Mini-Jarraff Rear Lot Trimmer.

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

## Takeuchi-US Appoints David Caldwell National Product Manager

Takeuchi-US, a global innovation leader in compact equipment, has appointed David Caldwell to national product manager, effective immediately. Caldwell has been the product and training manager for Takeuchi for nearly six years, and has over seventeen years of industry experience.

In his new role, Caldwell is responsible for all new and current Takeuchi products available in the North American market. Additional responsibilities will include national sales training events and overseeing the direction and daily tasks of the product team.

“David is very knowledgeable on both the industries we serve and products – we look forward to seeing him in his new position,” said Clay Eubanks, president, Takeuchi-US. “This role is a natural fit for him and he will do a terrific job, as he has for us in the past, leading our product team.”



[www.takeuchi-us.com](http://www.takeuchi-us.com)

## JCB North America Annual Dealer Awards

JCB North America recently presented annual dealer awards to outstanding JCB dealerships in recognition of their exceptional efforts and achievements in 2015. The awards were presented at regional JCB dealer meetings held in Savannah, Chicago, Las Vegas and Toronto.

Dealers of Excellence: Northland JCB (Wilmington, MA.); JCB of Georgia (Pooler, GA.); YES JCB (Madison, WI.); JCB of Alabama (Leeds, AL) and Stephenson JCB (Harrisburg, PA).

Superlative/Individual Dealer Awards: Innovation in Marketing Strategy: Deep South JCB (Shreveport, LA); Facility of Distinction: JCB of Alabama (Leeds, AL); Rookie of the Year, Construction: Moore JCB (Toronto, Ontario); Rookie of the Year, Agriculture: Noble JCB (Olds, Alberta); Top Performer, Construction: Northland JCB (Wilmington, MA); Top Performer, Agriculture: Hawke JCB (Alton, IA); Spirit of JCB: Sievers JCB (St. Peters, MO); Fast Start Award: ProCon JCB (Las Cruces, NM); Champion of Customer Focus: Flaska JCB (Phoenix, AZ); Aftermarket High Performers: Northland JCB (Wilmington, MA), YES JCB (Madison, WI), N&S Tractor (Stockton, CA) and Bosse & Frere (Montmagny, Quebec).

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

## NTEA MVP Companies- June 2016

NTEA – The Association for the Work Truck Industry recognizes three organizations that have distinguished themselves as Member Verification Program (MVP) companies during the quarter ending June 2016. In addition, nine companies requalified for the program.

Program criteria can involve liability insurance, warranty programs, vehicle and employee certification, safety policies and quality assurance — factors important to dealers, fleets and OEMs.

As of June 30, 2016:

The newest MVP companies are:

- Dealers Truck Equipment Co. Inc. (Willis, Texas)
- The Fab Shop (Edgewood, Washington)
- Knapheide Truck Equipment Co.—Southwest (Buda, Texas)

MVP companies must re-verify every three years. Companies that have successfully qualified to renew their MVP statuses are:

- Axton Fleet Systems (San Antonio, Texas)
- Dejana Truck & Utility Equipment of Greater Philadelphia (Cinnaminson, New Jersey)
- Knapheide Truck Equipment—MidSouth (Birmingham, Alabama)
- Monroe Truck Equipment (DePere, Wisconsin)
- Monroe Truck Equipment Inc. (Louisville, Kentucky)
- OJ Watson Co. Inc. (Denver, Colorado)
- R/S-Godwin Truck Body LLC (Allen, Kentucky)
- Truck Equipment Inc. (Des Moines, Iowa)
- Washington Auto Carriage (Spokane Valley, Washington)

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## Fall Protection:

### **ANSI Z359.14 for Self-Retracting Devices**

You probably know that workplace falls are one of the most common and often serious employee accidents. For this reason, employers are required by the U.S. Occupational Safety and Health Administration (OSHA) Standard 1926.501 to provide fall protection.

This regulation in brief defines fall hazards as those locations where “unprotected sides and edges” exist 6 feet (1.6 m) or more above a lower level. OSHA requires fall protection to be provided “by the use of guardrail systems, safety net systems, or personal fall arrest systems”.

Guard rails and safety nets offer excellent fall protection, but they aren’t always practical. For example at construction sites, on utility towers, in aircraft facilities and other industries, personal fall arrest systems protect employees who must work on high open leading edges.

Fall arrest systems for leading edges such as open beams and rooftops provide a lifeline of safety for workers in high locations. The safety industry has developed various self-retracting devices (SRD’s) that attach to harnesses as fall arrest systems for employees.

Depending on the fall hazard and the industry, SRD’s for leading edges are designed with multiple technologies and materials. For example, arresting a fall at different levels of say 2 feet versus 4 to 5 feet requires a different SRD design and construction materials.

#### What Is ANSI Z359.14?

The reliability of SRD’s is a great concern to both employers and employees, which is the point of ANSI Standard Z359.14. This guideline was developed by the American National Standards Institute (ANSI) with the help of the American Society of Safety Engineers (ASSE).

ANSI Z359.14 sets industry standard requirements for SRD performance, design, qualification testing, markings and in-

structions, inspections, maintenance and storage, and removal from service. It applies to manufacturers, distributors, employers and employees.

This standard identifies three types of SRD’s. The three types of SRD’s are: self-retracting lanyards (SRL’s), self-retracting lanyards with integral rescue capability (SRL-R’s), and self-retracting lanyards with leading edge capability (SRL-LE’s).

It also divides SRD’s into two classes. Class A SRD’s are defined as having a maximum arrest distance of 24 inches (610mm). Class B SRD’s are defined as having a maximum arrest distance of 54 inches (1,372 mm).

#### Why Is ANSI Z359.14 Important?

If ANSI Z359.14 is a voluntary standard, then why should I or my company pay attention to it? There are too many OSHA government regulations. The cost of compliance and insurance hurts my bottom line. My competitors will ignore it to their competitive advantage.

Let’s start with the basic value of human life and personal safety perspectives of this workplace standard, which is to prevent debilitating or fatal employee fall accidents. No one wants employees or coworkers to risk injury in hazardous locations without proper protection.

The development of ANSI Z359.14 included input from safety experts, manufacturers, employers and employees. It is a best practice standard that levels the playing field among manufacturers and assures employers that they are purchasing a reliable fall protection system.

Are ANSI standards really voluntary? OSHA officially recognizes ANSI through a memorandum of understanding (MOU) as a valued partner in achieving national safety consensus standards. It also can reference ANSI standards in clarifying its own regulations.



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So what's the difference between a voluntary safety standard, an industry safety best practice and an OSHA safety regulation? The practical answer is none at all if you've suffered a serious accidental fall or are the surviving spouse of a fatal fall accident.

Attorneys and expert witnesses can be quite convincing on this point in front of a jury when a worker suffers a preventable fall or if safety equipment fails. That's especially true when the injuries might have been avoided with the use of industry standard safety equipment.

There is a fine line between meeting the law and negligence when your only defense as an employer is that the law didn't require it. In the case of injuries resulting from falls where the worker was poorly protected without outdated legacy equipment, the implications are clear.

MSA, The Safety Company & ANSI Z359.14

As a manufacturer of SRD's, MSA supports ANSI Z359.14 and has implemented its requirements in its product designs, materials and testing to meet this standard. We recognize the dangers of leading edge exposures to employees high above ground level.

The MSA Latchways® brand of fall protection solutions are trusted to ensure worker safety on a wide range of buildings, towers and structures. The key to our reliability lies in MSA's unique understanding of load control at the end of a free fall and the required heavy-duty SRD components.

For example, the force exerted at the end of a longer worker free fall could snap a simple fabric lanyard or a single cable as it contacts the leading edge. Hazardous industrial work sites require robust SRD designs and construction materials to counteract these forces.

Our Latchways Leading Edge Self-Retracting Lifeline (SRL) meets ANSI Z359.14 for SRL-LE's. It features a frictionless braking system with no moving parts to go out of adjustment. The constantly moving full contact locking mechanism cannot freeze, hang up or corrode.

Conclusions

If you distribute, purchase or actually use SRD's, then ANSI Z359.14 represents a vital industry consensus and best safety practice in fall protection. Be sure to inventory your SRD's to make sure that they meet this new standard so you can protect yourself and your team.

In addition to providing fall protection equipment, MSA offers extensive training in their use and application. Our knowledge base of fall hazards is extensive. If you're having a problem, chances are our highly trained experts have seen it elsewhere and solved it before.



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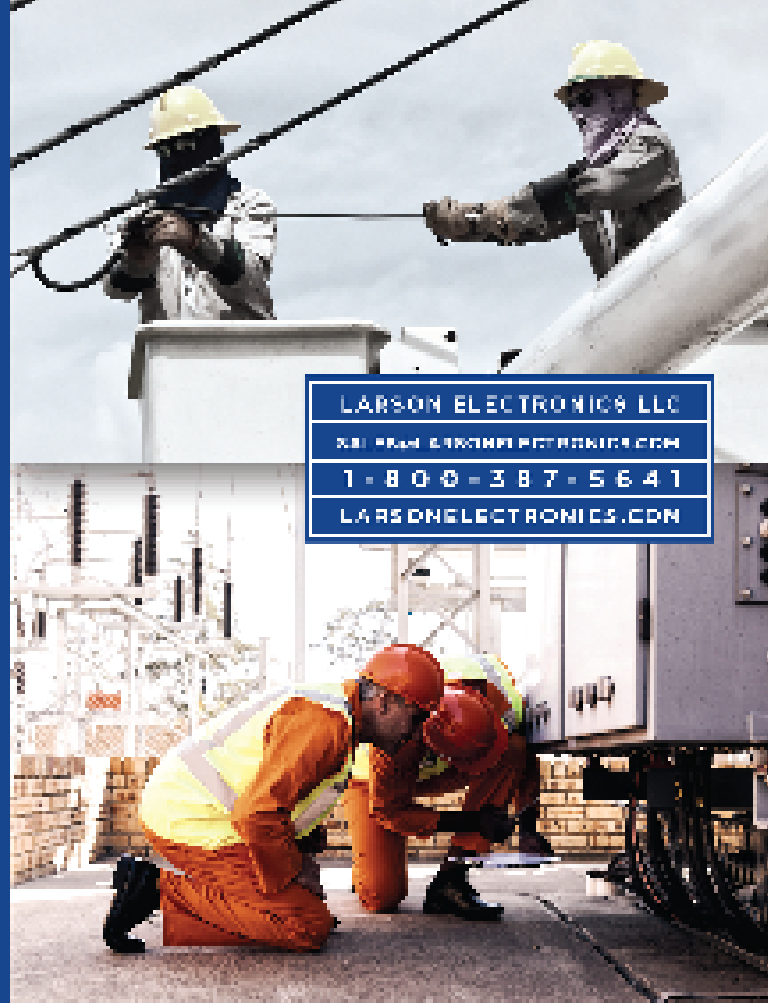
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# BOLT STAR® 30-INCH IS NEWEST REUSABLE BOLT TEMPLATE



Construction Innovations LLC, manufacturer of the award winning BOLT STAR reusable bolt template, announced today the release of a 30-inch version of this popular tool for efficiently setting anchor bolts in light pole bases and round column forms.

Like its smaller 18" and 24" siblings, the neon yellow 30-inch BOLT STAR continues to emphasize strength and reusability. It is manufactured of Xenoy™ polycarbonate material having nearly 5 times greater low temperature impact and improved chemical resistance when compared to ABS plastic. The underside of each 30-inch arm features waffled diagonal ribbing, and side gusseting has been added for greater strength and support. The 30-inch version also accepts the Xtender adaptor accessory for nested forming tubes. "We are excited about this important addition to our successful BOLT STAR product line of reusable bolt templates for parking lot and outdoor area lighting," says Ken Gregory, President of the Bolt Star division.

"We have received numerous phone calls and inquiries about the 30-inch version from contractors and distributors alike, and look forward to getting this product in the hands of contractors who wish to streamline their pole base building process."

BOLT STAR improves pole base construction efficiency by 57% and significantly improves the productivity of crews by eliminating the time consuming, repetitive and error prone practice of building wood bolt templates which are typically discarded as construction waste. With BOLT STAR, there is no measuring, cutting and drilling of holes as required with wood templates and the product is reusable over and over again with proper maintenance. The innovative tool is designed to hold four anchor bolts and the structural rebar cage in place during the pour of a light pole base or round column form.

In 2015 BOLT STAR received the prestigious NOVA Award for its contribution to construction efficiency, quality, safety and reducing construction waste. BOLT STAR also has won the 2015 Construction & Engineering Award from BUILD Magazine; the 2014 Product of the Year Award for Specialty Products from EC&M Magazine; and the 2014 Top Products Award from Electrical Products & Solutions Magazine.

Made in the USA, BOLT STAR has several other significant advantages over wood templates, including: 1) arched arms in the tool's patented design gives work crews the ability to trowel finish the entire top of the base immediately after the pour without removing the template. This ensures that bolts are held securely in position while the concrete sets up, lowering the risk of costly rework due to bolts shifting out of alignment; 2) adjustable bolt slots for bolt circle patterns ranging from 7" to 14" gives contractors added flexibility to adjust to a pole manufacturer's specification, in the field if necessary, whereas multiple wood templates are commonly built for specific bolt sizes and bolt circle diameters; and 3) cage tie slots help keep the rebar cage centered in the concrete form, a benefit when it comes to passing inspections.

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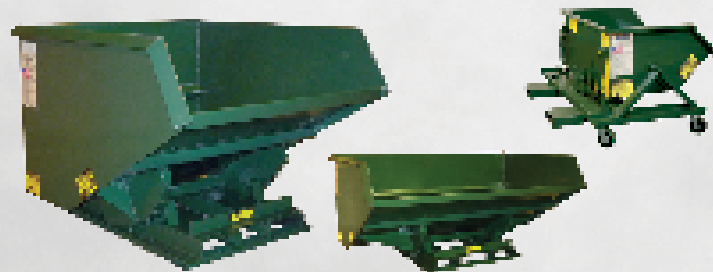
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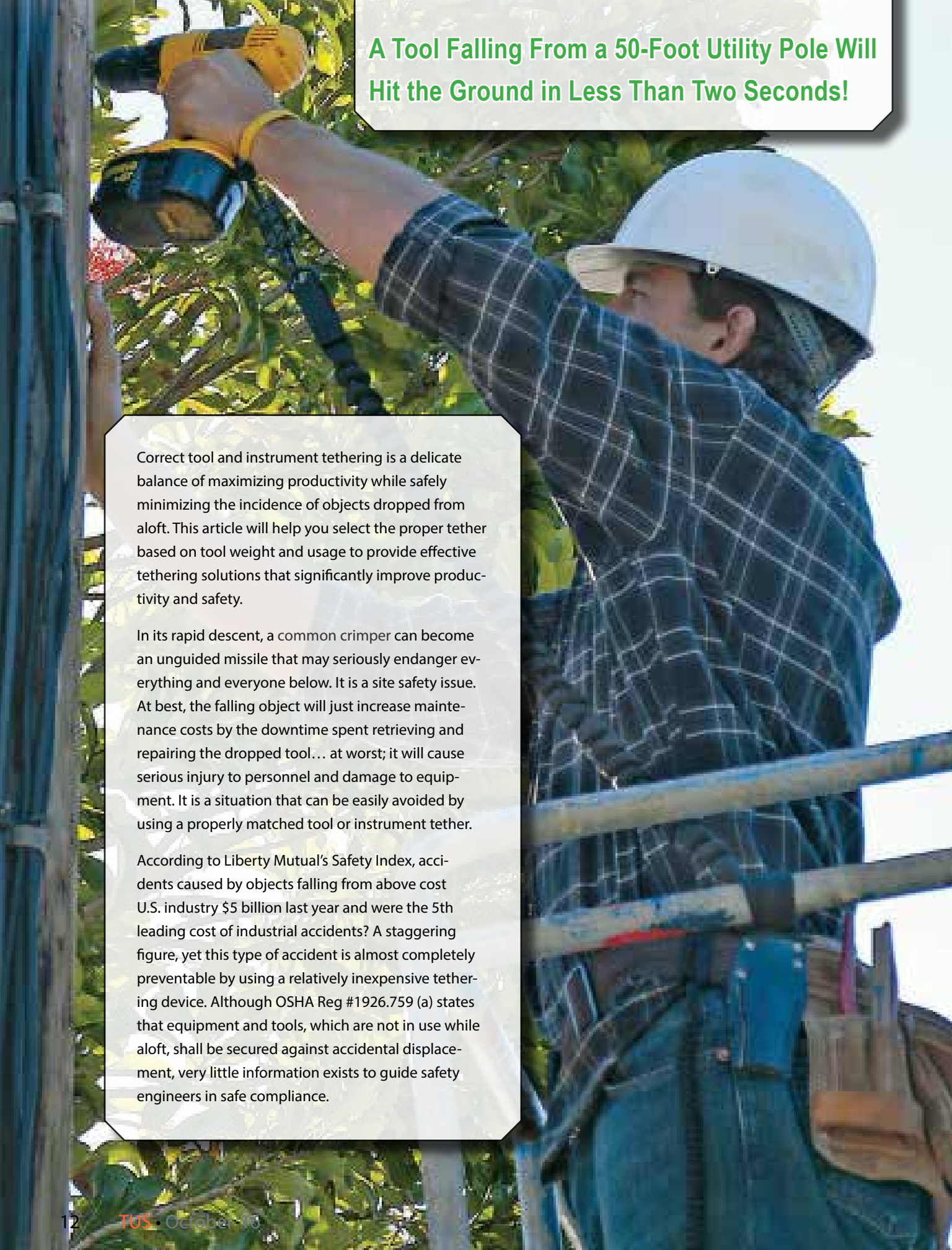
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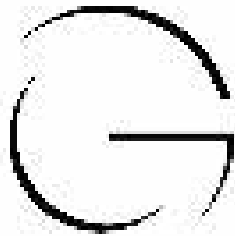


## A Tool Falling From a 50-Foot Utility Pole Will Hit the Ground in Less Than Two Seconds!

Correct tool and instrument tethering is a delicate balance of maximizing productivity while safely minimizing the incidence of objects dropped from aloft. This article will help you select the proper tether based on tool weight and usage to provide effective tethering solutions that significantly improve productivity and safety.

In its rapid descent, a common crimper can become an unguided missile that may seriously endanger everything and everyone below. It is a site safety issue. At best, the falling object will just increase maintenance costs by the downtime spent retrieving and repairing the dropped tool... at worst; it will cause serious injury to personnel and damage to equipment. It is a situation that can be easily avoided by using a properly matched tool or instrument tether.

According to Liberty Mutual's Safety Index, accidents caused by objects falling from above cost U.S. industry \$5 billion last year and were the 5th leading cost of industrial accidents? A staggering figure, yet this type of accident is almost completely preventable by using a relatively inexpensive tethering device. Although OSHA Reg #1926.759 (a) states that equipment and tools, which are not in use while aloft, shall be secured against accidental displacement, very little information exists to guide safety engineers in safe compliance.



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This article addresses the three overriding objectives the safety manager must consider when selecting tethers for employees.

**Employee Safety** - Obviously the objective of tethering tools is to avoid tools falling from above, but what are the factors impacting the safety of the employee using the tether?

**Employee Productivity** - Does the tool lanyard interfere with the duties of the job or make it easier and safer to do the job?

**Employee Attitude** - How can I make the worker my partner in tethering safety?

In addition, this article will ask and answer the questions safety managers must know:

- Depending on the application, what is better choice for the worker's safety, a retractable tool tether or tool lanyard tether?
- What are the safety implications of tethering when the job entails climbing, crawling or repelling?
- What are the optimum methods of safely attaching the tether to the worker... tool... or instrument?
- How do you safely tether tools or instruments that don't have fittings for attachment?
- Does the tether have a quick release option to easily change tools and how does this impact the safety of the worker?
- Can you rely on the manufacturer's "load limit" designation of the tether?
- Where can you find custom teth-

ering solutions for special applications or tools?

The safety managers' goal in correct tethering procedures is to make sure the tool, application and recoil/retraction force are in balance. Ideally, when the tool is extended for use, only minimal force should be necessary so as to prevent worker fatigue or in the reverse, cause a "kick" when retracted. The challenge to the safety engineer is to provide a tether that is both friendly to the user and appropriate for the work environment. Equally important, the tether or lanyard must have ample safety margins, beyond the weight rating of the tether, to mitigate the drop force in the event of a dropped tool.

With such a high risk to workers' safety, it's unfortunate that very little has been published on the subject of tool and instrument tethering equipment and safety techniques. Here is a simpli-

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# Tool and instrument tethers fall into five broad categories:



A) Retractable Lanyards Tether



B) Wrist Lanyards



C) Personal Tethers



D) Personal Tether w/  
Anchor Strap

fied guide to help you select tethers for tools weighing up to 25 pounds.

Step 1. Determine tool tether type based on tool weight and usage.

The most common tool tethers and lanyards for tools up to 25 pounds generally fall into five categories: Retractable Lanyards; Wrist Lanyards; Personal Tethers, Personal Tethers with Anchor Strap and Anchored Tethers.

For tools up to 2 pounds, the following options are best:

- Retractable Lanyards provide an ultra-low profile to keep the tool



E) Anchor Tether



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F) Fixed Lanyard

close to the body. This is important for working in confined-space and/or when climbing is required. They are also ideal for multiple tether use. (Photo A)

- Wrist Lanyards are low-profile tethers that provide a short drop length for easy retrieval of a dropped hand tool. (Photo B)
- Personal Tool Tethers are best for single use tool that moves with the worker. (Photo C)
- Personal Tool Tether w/Anchor Strap for single use tool attached to a structure for additional security or ease of use. (Photo D)

For tools up to 15 pounds, the following options are best:

- Personal Tool Tethers are best for a single use tool that moves with the worker. (Photo C)
- Personal Tool Tether w/ Anchor Strap for single use tool that is attached to a structure. (Photo D)
- Anchored Tether System that attaches a heavy tool (five pounds or more) to a structure. (Photo E)

For tools up to 25 pounds, the following options are best:

- Personal Tool Tether w/ Anchor Strap for single use tool that is attached to a structure. (Photo D)
- Anchored Tether System that attaches a heavy tool to a structure. (Photo E)

Note: Generally, any tool over 5 pounds should always be anchored to a structure to transfer the “dropped tool” shock load from the person to the structure.

Step 2. Determine if tether is for single tool or multi-tool use.

- A Fixed Lanyard System is acceptable when you don't need to remove a tool from the lanyard. (Photo F)
- When easy tool change-out is required a Side Release Lanyard System or Carabiner Clip are the best options. (Photo G)

Step 3. Determine the tool attachment point.

- Tool has lanyard loop. Attach lanyard to loop.
- Tool has large ends. Ends must be large enough to allow a lanyard to be looped and cinched securely without slipping off.
- Tool has small ends or no lanyard loop. If tool does not have large enough ends (looped lanyard would slide off) or lacks a lanyard loop, you must attach a ring.
- Tool modification. If none of the above works, the tool must be modified by a safety engineer or the tool manufacturer.

In conclusion, when choosing tethers, here are 9 points to keep in mind.

- Choose your tethers based on all factors of use. There are thousands of tethering choices available from manufacturers specializing in tool, gear and instrument tethers to tool manufacturers.
- When tool tethers are ordered without specifications beyond the weight of the tool, chances are good that the tether may not be appropriate. Unlike fall protection devices, there are no universal specifications governing tool tethers. As such, the safety engineer has



G) Side Release



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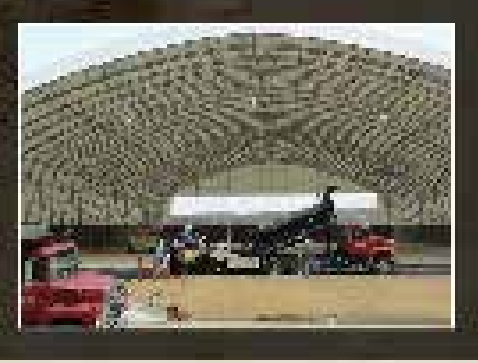
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no real basis for choosing proper tethers and may arbitrarily determine tether selection based solely on the weight of the tool, i.e. "I need a tether for a 3-lb tool." Without additional specifications, this may be creating a potentially dangerous situation.

3. An improperly mated tool and lanyard can inherently lead to reduced productivity and exposure to injury.
4. Tethering heavy tools to a person (generally over 5 pounds), is a significant safety concern and safety engineers should instead consider using anchor tethers. Anchored tethering safely transfers the shock load produced by a dropped tool from the worker to the structure.
5. For very heavy tools (over 10 pounds), structure anchoring should be mandatory.
6. When choosing an "Anchored Tethering System" choose one that offers up to a 10-foot working length for maximum safety and efficiency.
7. Modular tethering systems offer the most options for safe tool tethering
8. When employees are using a group of small hand tools (under 2 pounds) Quick Connect tethers offer easy tool change-out and avoid the entanglement danger of having multiple tethers.
9. Before you purchase a tool or instrument tethering system, make sure that the tethers and lanyards are dynamically load tested for the tool weight specified. Confirm that the tool tether weight ratings indicated have a safety margin beyond the break point so that the tether or lanyard can safely handle the shock load of a dropped tool or instrument.

[www.gearkeeper.com/guide](http://www.gearkeeper.com/guide)

About the author – John Salentine

Mr. Salentine co-founded and is Vice President of Hammerhead Industries Inc, manufacturers of the Gear Keeper tethering systems. For almost two decades, they have been the world's leading manufacturer of retractable tethers and lanyards exclusively for tools, gear and instruments. The company looks forward to assisting safety engineers with their tethering needs and offers a free 12-page "Safety Engineer's Tool and Instrument Tethering Guide." [gearkeeper.com/guide](http://gearkeeper.com/guide).

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# DICA is the Official Outrigger Pad Sponsor for the International Lineman's Rodeo World Championship Competition

For the eighth year in a row, DICA, manufacturer of U.S. and Canadian patented SafetyTech® Outrigger Pads, is the official outrigger pad sponsor for the 33rd International Lineman's Rodeo. Hosted by Kansas City Power & Light and Westar Energy, the competition attracts the best line workers from around the world, who compete in events based on traditional utility lineman tasks and skills.

The event, to be held Saturday, Oct. 15, 2016, includes team and apprentice events held at the Safety & Training Conference and Expo at the National Agriculture Hall of Fame in Bonner Springs, Kan. About 200 teams and 250 apprentices will compete.

In 2009, DICA provided 100 SafetyTech outrigger pads for the bucket trucks and digger derrick equipment used in the competitions. In 2014, those pads were upgraded with DICA's unbreakable and ergonomic TuffGrip handles. Martin Putnam, Field Construction Supervisor for the International Lineman's Rodeo, has been impressed by the pads since they first arrived in 2009. "The quality of the DICA outrigger pads has been so good, they're darn near worth stealing," he said with a smile.

This year, DICA's D2424 outrigger pads will be used under 12 total bucket trucks used in the competition. In addition to Hurtman Rescue and Pole Climbing events, two additional mystery tasks are presented to both teams and apprentices.

"DICA got its start in 1988 at the request of a utility fleet manager, who was seeking a better pad than the wood outrigger pads available at that time. We owe much of our success to the support of the utility industry and are proud to be a sponsor of a world-class event that celebrates the safety and technical skills necessary to perform utility maintenance," said Dick Koberg, founder, and president of DICA.

On October 12 and 13, more than 3,000 attendees can also visit DICA during the Expo in booth 224 held at the Overland Park Convention Center in Overland Park, Kan. DICA will display the following product lines:

- SafetyTech® outrigger pads
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# U.S. Companies Share Best Practices for Line Maintenance with Chinese Electric Utility

Delegates from the State Grid Corporation of China (SGCC) recently visited the United States to participate in a two-week training program sponsored by the United States Trade and Development Agency (USTDA). Terex Utilities was selected by USTDA as one of the companies to host the Chinese delegation and share U.S. best practices and technologies in live line maintenance. The delegates included 15 representatives of SGCC and one official from the U.S. Embassy in China.

During their visit, participants discussed grid maintenance practices and learned about equipment appropriate for these applications. "We were honored to be part of this visit as they learned about technologies and equipment used for live line maintenance in the United States," said Michael Tilden, International Sales Manager for Terex Utilities. "Terex has been rooted in the growth and maintenance of this nation's utility infrastructure since 1945 when we introduced the first digger

derrick to the industry. Since then, we continue to deliver innovative, high quality equipment to our customers."

## Learning Best Practices

The delegates took part in training the first week of their visit at the Southeast Lineman Training Center in Trenton, Ga., and operated Terex equipment throughout the week. "The SGCC representatives trained on hot line tools usage, safety processes, and procedures for different live line work



applications,” said Tilden. The Terex equipment SGCC representatives used included insulated aerial bucket trucks, like the Terex® Hi-Ranger™ TL17i and Terex Hi-Ranger LT40 models, and digger derricks.

The Terex Hi-Ranger TL17i bucket truck is an articulated telescopic aerial device that allows the operator flexibility to work both sides of the pole from one truck position. This capability also makes it easier to position the truck when setup areas are limited by vehicular or pedestrian traffic or other obstructions. “The Terex Hi-Ranger TL17i model is particularly adept for live line work in highly congested urban centers,” said Tilden. The Terex Hi-Ranger TL17i model features a 58.4 feet working height, with a 42.3 feet side reach.

#### Equipment Selection

While visiting Terex, SGCC representatives toured the assembly processes and fiberglass boom manufacturing areas and spent time “hands on” understanding the equipment’s application. “The product demonstrations will help SGCC in selecting equipment and features designed to improve efficiencies in electrical system construction and repairs,” said Tilden.

Tilden added, “Terex is proud to support the State Grid of China and to play a key part in their efforts on improving live line work practices.”

SGCC representatives also toured Cummins, manufacturer of power generation products, in Minneapolis, Minn. and Xcel Energy, a Minneapolis-based electric and natural gas utility serving more than 11 million customers in eight States.

“Ensuring the safety of our workers

and the public is a responsibility we take very seriously at Xcel Energy,” said Kent Larson, Xcel Energy executive vice president and group president, Operations. “We are always working to advance safety practices within the company and throughout the utility industry and we’re pleased to share our expertise and provide training to the delegation from the State Grid Corporation of China.”

“This was an excellent opportunity to continue U.S.–China collaboration and to introduce SGCC to U.S. live line work methods and equipment that could advance their goals. USTDA was pleased to work with Terex on carrying out this important training,” said Carl Kress, USTDA Regional Director for East Asia.

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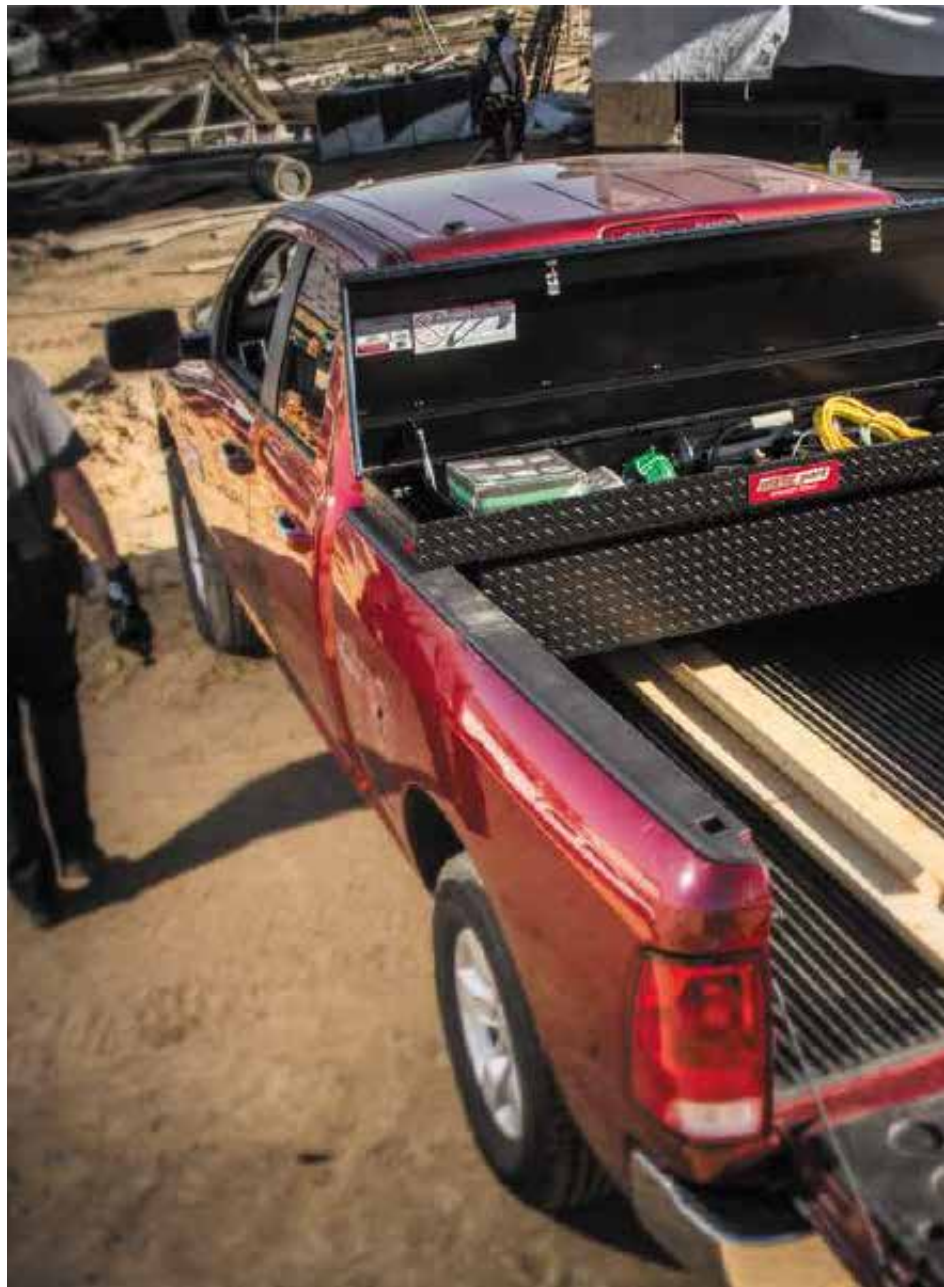
## Affordable Truck Box Solutions with Professional Grade Protection

WEATHER GUARD®, a manufacturing leader in truck and van storage equipment, today introduced the WEATHER GUARD® Defender Series™, the latest in affordable truck box solutions designed specifically for professional level protection. Compatible with any storage need, the WEATHER GUARD® Defender Series™ is now available with more than 20 products across five categories, including Saddle and Cross Boxes, All-Purpose Chests, Lo-Side and Hi-Side boxes.

“The Defender Series™ is a welcome addition to our existing line of truck box solutions,” said Jeff Kotz, Senior Product Manager at WEATHER GUARD®. “The WEATHER GUARD® brand is known for its heavy-duty security and professional durability and with the new Defender Series™ line, now there is a WEATHER GUARD® for every truck and user out there.”

With four piece welded construction and C-channel reinforced lid for professional durability, the WEATHER GUARD® Defender Series™ provides professional features, at the right price. The new products offer heavy-duty security including push button locks, a reinforced front panel and two dual stage rotary latches with looped strikers. Additional product highlights include:

- **Multiple Styles:** Affordable truck box solutions available in different styles including: Saddle and Cross Boxes, All-Purpose Chests, Low-Profile, Lo-Side and Hi-Side Boxes.
- **Multiple Colors:** Available in Clear Aluminum and Gloss Black powder coat protection.
- **Weather Resistance:** Defender Series™ truck boxes feature a D-shaped ribbed weather strip and foam along



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the hinge to offer 4-sided weather resistance, keeping tools protected from the elements.

- **Heavy-Duty Security:** The new series features tamper resistant push button locks, preventing theft and allowing ease of access for the user. The rigid reinforced front panel helps deter break-ins by preventing thieves from prying into the box.
- **Gas Strut Support and Sleeves:** The dual dynamic gas strut supported lid makes for easier access and the plastic sleeve prevents damage from moving materials.
- **Plastic Storage Tray:** Most of the WEATHER GUARD® Defender Series™ products come with an included plastic storage tray to organize smaller tools and accessories.
- **No-Drill Mounting Kit\*:** The mounting kit requires no drilling during installation, making the process quick and stress-free.
- **7 Year Warranty**

The WEATHER GUARD® Defender Series™ provides the professional grade durability, security and weather resistance the brand is known for at a more affordable price. The Defender Series™ now offers a WEATHER GUARD® truck box for everyone.

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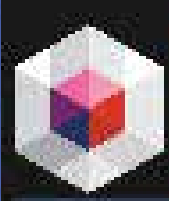
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## Milwaukee Tool Expands Line of Jobsite Work Gear

Milwaukee Tool continues to expand its line of Jobsite Work Gear with the introduction of 3 new glove solutions: Performance, Performance Fingerless, and Free-Flex Gloves. The perfect combination of ultimate durability and all-day comfort, both the Performance and Free-Flex gloves feature touch screen compatible material on the fingertips, palms and knuckles, while the Performance Fingerless Gloves provide ultimate dexterity when handling small objects.

The Performance and Free-Flex Gloves utilize Smartswipe™ technology on the fingertips, palms and knuckles allowing use of touch screen devices without removing gloves or wiping dirty finger tips across the screen. While the Performance and Free-Flex gloves also include high dexterity fingertips for extra control when handling small objects, the Performance Fingerless Gloves provide maximum dexterity when handling materials and other objects.

For ultimate durability, all 3 of the new gloves have a reinforced thumb seam – and the palms of the Performance Fingerless Gloves are also padded and reinforced. These gloves also have hook and loop closures for a secure fit, while the Free-Flex Gloves' elastic cuff provides increased comfort and ease of movement and dexterity.



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