

# Products & Practice

## DICA Multi Pad Systems

DICA offers six engineered Multi Pad Systems based on Fiber Tech® pads that range in size from 12 to 30 ft<sup>2</sup> (1 to 3 m<sup>2</sup>). Multi Pad Systems assist equipment operators in assembling supporting surfaces for outriggers without the aid of secondary equipment. The systems were developed for concrete pump companies and operators facing unique equipment, jobsite, and ground condition challenges. They are sized to support equipment from the smallest to largest concrete pumps. Rated capacities withstand maximum outrigger forces of 60,000 to 110,000 lb (267 to 489 kN). Ergonomically placed TuffGrip handles make it easy for the operator to pick and place the elements of the system.

—DICA, <https://dicausa.com>



## Cortec MCI-2018

Migrating Corrosion Inhibitor™ (MCI®) Technology is suitable for protecting the metal pipe outer diameter (OD) of a concrete-coated pipe. Migrating corrosion inhibitors applied to the outside of the concrete pipe can gradually migrate as much as several inches into the concrete to form a protective anticorrosive molecular layer on the steel OD. MCI-2018, a 100% silane water repellent, can be used alone or in conjunction with MCI-2020 to protect concrete-coated pipeline. MCI-2018 penetrates deep into concrete, providing corrosion protection to reinforcing steel from existing water and chloride ions or other contaminants. MCI-2018 is certified to meet NSF/ANSI 61 standard for use in drinking water system components, making it ideal for laying pipeline in environmentally protected waters where dangerous leachates are a concern for marine life.

—Cortec® Corporation, [www.cortecmci.com](http://www.cortecmci.com)



## Milwaukee Lighting Solutions

Milwaukee Tool has expanded its lighting solutions with the M18™ ROVER™ lineup. The M18 ROVER Compact Folding Flood Light with USB Charging delivers 1000 lumens of TRUEVIEW™ High-Definition Output with 12 hours of runtime on high. It is designed with four different output modes and 300 degrees of horizontal and 180 degrees of vertical light head mobility. Featuring an integrated metal rafter hook that can be extended, users can hang the light from carts, lumber, or other jobsite materials when space is limited. The M18 ROVER Clamping Flood Light features a strong 3 in. (76 mm) multi-material clamp designed for 1 to 3 in. (25 to 76 mm) outer diameter pipes, while also featuring strong magnets at the base for quick attachment for metal surface mounting. With 355 degrees of horizontal rotation and 170 degrees of vertical rotation for complete light head adjustability, the light delivers 2000 lumens of TRUEVIEW High-Definition Output and offers 6 hours of runtime on high. The M18 ROVER Dual Power Triple-Panel Flood & Area Light has three folding light panels, offering nine total brightness modes and individual light head power options for the capability to manage output and run-time. The light delivers 4500 lumens of TRUEVIEW High-Definition Output with 3 hours of runtime on high and up to 30 hours of runtime on low. All three of the M18 ROVER lighting solutions are IP54 rated, can withstand up to a 9 ft (3 m) drop, and are backed with a 5-year tool and a limited lifetime LED warranty.

—Milwaukee Tool, [www.milwaukeetool.com](http://www.milwaukeetool.com)



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## Ergodyne Arsenal Storage + Organization Solutions

Ergodyne announced the launch of its Arsenal Storage + Organization Solutions. Designed to streamline the search for personal protective equipment and tools, these products and updates are engineered for efficiency and safety through better housekeeping practices, helping maintain a clean and organized work environment. Featuring five zippered pockets and seven tool slots, the Arsenal 5874 Roll Up Tool Bag can transport, organize, and protect hand tools with ease. Its versatile design allows it to be hung up at the shop, in a vehicle, or anywhere else it is needed, reducing the clutter that can lead to workplace injuries. Available in small, medium, and large sizes, Ergodyne's Arsenal 5020P General Duty Duffel Bag has also been improved with smart design tweaks and a vibrant array of color options. It can be paired with the updated Arsenal 5877 Softshell Tool Cases, available in the same five colors.



—Ergodyne, [www.ergodyne.com](http://www.ergodyne.com)

## DEVELON Loaders and Mini Excavator

DEVELON has introduced a lineup of compact equipment, including the DTL35 compact track loader, DX62R-7 mini excavator, and DL280-7 wheel loader. The company has also announced a compact equipment attachment lineup for the new DTL35, offering more than a dozen attachments to enhance the compact track loader's versatility. DEVELON mini excavators, including the reduced tail swing DX62R-7, come standard with an enclosed cab, heat, and air conditioning. Operators can work in comfort from inside the cab when trenching, lifting materials, or performing demolition tasks. The DL280-7 wheel loader is the ideal size for many construction projects. Small enough to work on busy jobsites, the machine can perform grading and loading tasks. It offers exceptional operator visibility from inside the cab, plus the standard DEVELON Transparent Bucket feature.



—DEVELON, <https://na.develon-ce.com>

## Bosch Bluetooth Dust Control Auto-Start System and Dust Control Auto-Start Remote

Bosch's Bluetooth® Dust Control Auto-Start System (GCA30-42K) and Bluetooth Dust Control Auto-Start Remote (GCA30-42) eliminate the need to manually start and stop a paired 18V power tool and corded dust extractor, helping to increase productivity and reduce worker fatigue. The system can be used with both Bosch or competitor 18V tools and corded dust extractors. It is IP54 rated and offers dust and water protection in tough jobsite environments. The system's LED status indicator visibly identifies the connection strength between the receiver and the transmitter, even in low-light work areas. The remote control allows the transmitter to manually start or stop the dust extractor. Additionally, a vibration detection sensor detects when the 18V power tool is turned on or off, prompting the GCA30-42 receiver on the dust extractor to start or stop automatically.

—Robert Bosch Tool Corporation, [www.boschtools.com](http://www.boschtools.com)

## KEEN Utility Camden

KEEN Utility's Camden work boots provide rugged capability without weighing the wearer down. Product highlights include a full grain barnyard resistant leather upper, KEEN.DRY waterproof and breathable membrane, and a 360-degree Goodyear welt and air-infused Luftcell midsole to give a stable and comfortable work platform. Safety features include asymmetrical carbon-fiber safety toes that are unobtrusive and 15% lighter than steel, an EH-rated oil- and slip-resistant rubber outsole, and a 90-degree heel to provide secure footing and stability while doing work on ladders, poles, and other structures. The Camden is available for men in several colorways and collar heights.

—KEEN, [www.keenfootwear.com](http://www.keenfootwear.com)

## Web Notes

### Track3D's New Website

Track3D's redesigned website provides a fresh, updated look and reflects the company's commitment to advancing construction technology with Reality Intelligence—artificial intelligence (AI) for the construction world. Whether someone is interested in Track3D's construction monitoring and collaboration solutions, looking to stay informed with industry insights, or simply wanting to learn more about what the company does, the new website has everything needed in an accessible format. It is designed to offer a seamless, intuitive experience that makes it easy to find the information that matters most to each user.

—Track3D, <https://track3d.ai>

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# Product Showcase

## Project Management Tools

### Graphisoft BIMcloud

Graphisoft BIMcloud allows for secure, real-time, and multi-disciplinary collaboration between all project team members regardless of the size or complexity of the project, the location of the offices, or the internet connection speed. This product is available in both private and public cloud configurations on standard hardware and as software as a service (SaaS) that allows even smaller offices to take advantage of fast, efficient, and secure access to shared projects in real time. BIMcloud SaaS enables real-time, secure teamwork between architects and other professionals in the cloud. With a BIMcloud SaaS subscription, users get access to a personal dedicated BIMcloud server hosted by Graphisoft in the Google Cloud Platform. No setup is required—just launch the service.



—Graphisoft, <https://graphisoft.com>

### Join Insights

Join launched Join Insights, its new preconstruction dashboard. Offering a firm-wide view into preconstruction project health, Insights is built on top of Join's core project platform. Join Insights captures a portfolio view of projects in a single dashboard, giving users the ability to simultaneously monitor risk and drive high performance. The new feature provides actionable status reports on preconstruction project health across projects and regions. Insights makes it possible for general contractor leadership to identify and scale positive preconstruction trends and quickly react to potential project risks. The platform also helps collaborative teams assess which projects do or do not have a path to budget, understand the extent of past-due and upcoming decisions on each project, and visualize which projects are at risk for overdrawing allocated contingencies or allowances. With Join Insights, general contractors can evaluate decisions being made (or not being made) on a weekly or daily basis.

—Join, <https://join.build>

### ALLPLAN 2025

ALLPLAN launched its latest version of building information modeling (BIM) software. ALLPLAN 2025 introduces advanced features that allow architects, engineers, fabricators, and construction professionals to work more efficiently and collaboratively. ALLPLAN 2025 features artificial intelligence (AI)-driven visualization, automated design tools, and seamless real-time collaboration that enables teams to deliver high-quality projects with precision. With the new AI Visualizer tool, visualizations can be created in seconds without additional costs or hardware limitations. ALLPLAN 2025 also brings substantial improvements to BIM workflows. A new ceiling system tool accelerates the modeling and management of suspended ceilings, making it easier to coordinate and visualize building services such as lighting, smoke detectors, and ventilation systems. For projects with complex components, the enhanced multilayer slabs feature simplifies the design, planning, and modification of multilayer slabs to meet the requirements of different project phases. A new parametric reinforcement modeling approach also allows users to easily define multiple reinforcement shapes for civil structures. The enhanced Precast Data Validator is a key tool for minimizing errors in precast design and detailing. It enables the production of high-quality, error-free precast concrete elements so users can rely on the model for correct data. In addition, ALLPLAN 2025's formwork planning add-on allows the automatic assignment of formwork wall elements.



—ALLPLAN, [www.allplan.com](http://www.allplan.com)

## Giatec SmartRock Update

Giatec® announced a major update for its SmartRock® mobile app. This update offers users an innovative design to simplify workflows and improve on-site productivity. The app upgrade improves the SmartHub™ long-range device management to provide unparalleled control and convenience for remote monitoring. SmartHub automatically collects concrete data recorded by wireless SmartRock sensors and uploads it to the Giatec 360™ cloud through LTE connection, where it is synced to mobile devices with the SmartRock app. Other new features of the update include a significant improvement in syncing capabilities, which means quicker access to updated data; an enhanced user interface that streamlines navigation, enabling faster access to critical data and tools; the ability to assign mixtures and thresholds directly to whole project sections to save time and improve project management efficiency; effortless categorization of sections to maintain better organization across all projects; and a tailored view and improved organization of data, with customizable sorting options for project elements as well as mixtures and thresholds.

—Giatec Scientific Inc., [www.giatecscientific.com](http://www.giatecscientific.com)

An ACI Standard

**Building Code Requirements  
for Structural Concrete  
Reinforced with Glass Fiber-  
Reinforced Polymer (GFRP)  
Bars—Code and Commentary**

Reported by ACI Committee 440

IN-LEB Inch-Pound Units

ACI CODE-440.11-22

**ACI CODE-440.11-22** is the first comprehensive building code covering the use of nonmetallic, GFRP reinforcing bars in structural concrete applications.

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