

New for 2008!

We've reinvented MSC's products section for the new year to highlight a collection of exciting products each month. In general, these products have been introduced within the past six months. All products submitted are considered for publication, and we encourage submittals related to all segments of the steel industry: engineering, detailing, fabrication, and erection. Submit product information via e-mail to Keith Grubb (grubb@modernsteel.com) or Geoff Weisenberger (weisenberger@modernsteel.com).

We've also recreated the previous format of the products section (lists of products by category) online in a searchable database of product producers. You can browse producers by category or search for specific terms to find the products you need. Check it out at www.modernsteel.com/products. To be listed in the product directory, e-mail Lou Gurthet (gurthet@modernsteel.com).



Ready, Set, Anchor!

The Hilti HIT RE 500-SD Epoxy Adhesive Anchor System is the industry's first adhesive anchor to receive recognition for use with the strength design provisions for post-installed anchors found in the 2003 and 2006 International Building Code (IBC). It has been evaluated in accordance with ICC acceptance criteria AC308 and has been issued ICC ESR-2322.

The HIT RE 500-SD can be installed in the tensile zone of concrete members (cracked concrete, Ref. ESR-2322 Ch 5.8). Cracked concrete recognition allows the use of the HIT RE 500-SD in areas with any seismic design category and qualifies it for use in a wide temperature range, meaning that project location is never a concern. The system meets these requirements using a standard threaded rod with no special elements required for cracked concrete applications.

Engineers can design for any embedment between four and 20 times the rod/rebar diameter per AC308 1.2.2.4., and the system provides flexibility for various hole conditions, including hammer drilled, diamond cored, water saturated, water filled and underwater holes (ESR 2322 Fig. 3).

The anchor system has successfully passed the mandatory creep test requirements of AC308, designed to evaluate performance projected to 50 years. Only Periodic Special Inspection is required (ESR-2322, Ch. 4.4), saving valuable project time and resources.

For more information, contact Hilti Customer Service at 800.879.8000 or visit www.us.hilti.com.

Avoid an "Oops!"

You've spent hard-earned profits for electronics equipment for your business, but in a world of uncertainty, one wrong move can mean the end. Now you can help protect your investment with protective cases from OtterBox.

OtterBox offers a variety of protective covers for electronic devices such as tablet PCs, laptops, PDAs, BlackBerry devices, iPods, and other equipment.

"Semi-rugged" models include a polycarbonate shell to protect the device; a clear, interactive polycarbonate membrane; and a silicone outer wrap for cushioning against drops. "Rugged" models add water resistance and additional interior cushioning, depending on the device.

For more information, visit www.otterbox.com.



Magnetic Attraction

The Magnetic Activated Ground from Western Enterprises is a new welding ground that has a built-in on/off switch. The switch activates a powerful magnet, providing an outstanding ground close to the weld. It is smaller, lighter, and more versatile than alligator clamps or traditional-style magnetic clamps. There is no need to tack a tab to the surface as with an alligator clamp, nor will the ground collect debris like an old magnetic clamp. To clean, the user simply turns it off and wipes it clean.



The ground can handle up to 450 amps continuously (100% duty cycle) on a clean, flat surface. Up to 600 amps can be handled at a 20% duty cycle on a clean, flat surface, accommodating most welding processes. The ground has a unique ergonomic curved body that permits one-handed operation, even with gloves. Additionally, two built-in scrapers can be used to help clean away rust and debris for solid contact.

The Magnetic Activated Ground allows 360° ground cable rotation when in the locked position. It does not require adapters of any kind. A built-in pipe boot allows for both inside diameter or outside diameter pipe applications.

For more information, visit www.westernenterprises.com.

Upgrade for Engineers

Bentley's RAM International Solutions Center has released version 11.0 of RAM Structural System, Bentley's modeling, analysis, and design software for engineers involved in the design of building structures of all types. Some of the new features in version 11.0 are:

Multiple Diaphragms: This feature allows structural engineers to model, analyze, and design structures that have any number of independent, complete slab edges on a single story.

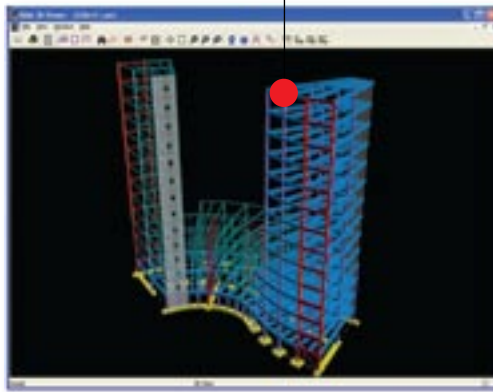
Self-Mass: This new option provides automatic calculation of mass from beams, columns, and slab/decks, if requested. Wall mass has been enhanced to give the option to either split the mass of walls between levels (half up and half down) or to apply all of the wall mass to the story above.

Steel Table Editor: A new interactive program that can be used to edit or create steel master, beam, or column tables.

Several commands have been added to ease the modeling process, including a "move column" command, improved line and point load layout commands, and enhanced data-check warnings.

In RAM Steel, the "ignore rib spacing" option has been added. Stud placement is often dictated by the spacing of the deck ribs, especially when the angle between the beam and the deck is small. This can result in an insufficient number of studs on the beam to

satisfy the minimum percent composite requirements. An option is now provided to ignore the rib spacing when determining the stud placement (either because the deck is split or the ribs are flattened), thereby allowing these beams to be designed compositely, with whatever quantity of studs is required.



For more information, contact Bentley's RAM International Solutions Center at 800.726.7789 or visit www.bentley.com/structural.

New Tricks for Old Bending Rolls

For customers with early-model ROUND0 Angle and Plate Bending Rolls with dial indicators (clock scales) or tape scales that show the position of the bending rolls, COMEQ, Inc. has assembled a kit to upgrade the outdated and possibly inaccurate mechanical readouts to the more reliable and more accurate digital readouts.

The "Digital Readout Kit" consists of all the necessary components including transducers, industrial-grade mounting box with magnetic base (housing the readouts), junction box, all the wiring, schematic drawing (which shows how to wire the kit into the existing electric cabinet), and the complete installation instructions for installing the transducers onto the machine.

For more information, contact COMEQ, Inc. at 410.933.8500 or visit www.comeq.com.

