



CS Unitec CS 566110-3 hydraulic saw plunge cuts up to 20 inches deep in one pass.

# HYDRAULIC EQUIPMENT



FROM SAWS TO CRIMPERS, HYDRAULICS COME THROUGH UNDER PRESSURE

Hydraulic tools and machines today do everything from crimping cable to lifting bridges by generating forces impossible by other methods. These four manufacturers' latest products bring new meaning to the phrase "grace under pressure."

## CS UNITEC

In 1991, CS Unitec invented the first pneumatic portable band saw. Since then the company has added a wide range of magnetic drills, hand-held hydraulic, pneumatic and electric concrete core drills, core bits, saws, polishers, grinders, rotary hammers and many more highly specialized construction products. The model CS 566110-3 hydraulic concrete saw exemplifies the company's uncompromising professional focus.

The CS Unitec CS 566110-3 hydraulic saw plunge cuts up to 20 inches deep in one pass and quickly cuts mechanical openings, irregular shapes and square

corners up to 19 inches with no overcuts. Its powerful 11-hp motor has a no load speed of 5,700 rpm and can easily cut through reinforced concrete, brick, block, concrete pipe and natural stone.



CARROLL

The saw can be used hand-held or with the optional SpeedHook guide to make straight cuts through walls and other surfaces. This saw operates on 2,500 psi/8 gpm hydraulic oil. Its noise level is 88 dBA at 3 feet.

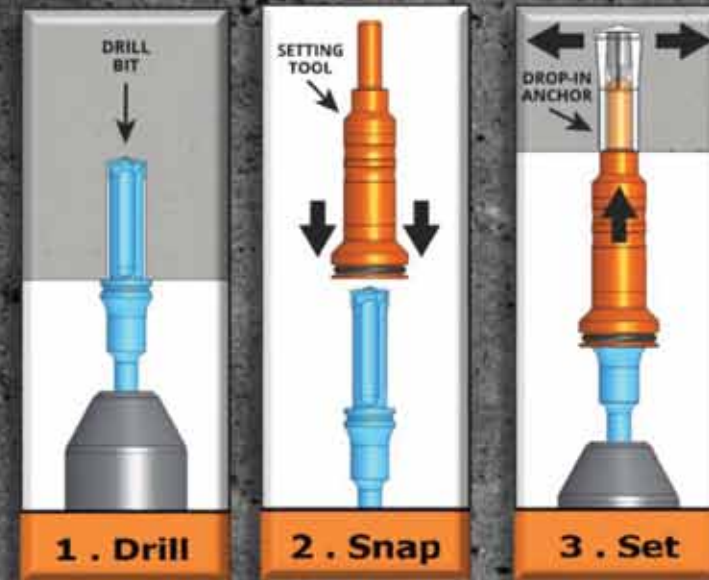
"This concrete chain saw, with an AirFORCE F4 diamond chain, is ideal for cutting reinforced concrete, brick, block, concrete pipe and natural stone," says Tom Carroll, company president. "The chains have larger diamond segments and have 50 percent greater tensile strength for reduced breakage and feature a chain-based water distribution system for better lubrication between bar and chain."

CONTINUED ON PAGE 62

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by Tom Hammel



The RIDGID RE 12-M manual hydraulic crimp tool has a 1.65-inch jaw opening and can produce crimps up to 1,000 MCM and has a 330-degree rotating head for access in tight spaces.

**RIDGID**

Since its creation in 1923 and the invention of the modern pipe wrench, RIDGID has been an icon for tradespeople. The company continues to innovate in the electrical space with the RE 12-M manual hydraulic crimp tool. The RE 12-M lays claim to being the lightest and easiest to use 12-ton manual hydraulic crimping tool on the market.

The RE 12-M crimps compression lugs and connectors onto copper, aluminum and ACSR wire and grounding rods. The C-shaped head with 1.65-inch jaw opening is large enough for compression applications up to 1,000

MCM and has a 330-degree head rotation for better access in tight spaces.

The RIDGID RapidAdvance System on the RE 12-M engages with the lug quicker to speed up the crimping process. Only two pumps are required to engage even the smallest lug size, while having the lowest handle force in its class.

“RIDGID is the only manufacturer to offer a removable Head Stand attachment,” says Rob Trefz, RIDGID global marketing director. “The Head Stand stabilizes the tool, allowing one person to easily position the cable and lug between the dies while simultaneously pumping the handle of the crimp tool quickly and efficiently on the ground.

The tool comes with a heavy-duty carrying case, Head Stand, space to hold up to 13 crimp dies and decals for labeling the die slots inside the case for quick access.

**GREENLEE**

Greenlee continues to drive innovation with its new line of Next Generation battery-powered hydraulic tools.



These new tools feature real-time communication technology, improved ergonomics and a longer battery life supplied by an enhanced Makita platform.

“A lot has changed since Greenlee introduced the first battery-powered hydraulic cutters and crimpers back in 1995,” says Ryan Berg, Director of Product Management for Greenlee. “Today’s professional electricians want tools that have the latest in technological advances, such as a full diagnostic readout that prove the job was done correctly, a more ergonomic design and, of course, more power. Our new battery-powered hydraulic tools are

Next Generation battery-powered hydraulic tools from Greenlee feature Blue-tooth technology and include 6-, 12- and 15-ton crimpers, cable and bolt cutters and a 10K-psi pump.

packed with all of these features and many more.”

Tools in the new Next Generation line include 6-, 12- and 15-ton crimping tools, as well as cable and bolt cutters and a 10K-psi pump with removable heads that have the capabilities to do both.

Each product in the new line features Bluetooth technology that allows electricians to wirelessly manage their tools, access tool history, monitor service timelines and customize tool operation to suit their preferences.

Each crimper is equipped with Intelli-CRIMP technology, a unique pressure sensor that monitors the crimping process, ensuring the correct amount of pressure is applied to each crimp. Crimpers equipped with this feature emit audible and visual alerts to notify the operator when a crimp is below specifications, giving assurance to the operator that the job was done right.

CONTINUED ON PAGE 64

by Tom Hammel

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Enerpac's Hydraulic Toolbox can accomplish a variety of tasks including equipment maintenance and leveling, pin or bushing removal and material positioning and fabrication.

**ENERPAC**

Global hydraulics leader Enerpac has worked on many of the largest projects on Earth, but not everything it does is measured in hundreds or thousands of tons. Its newest product, the Hydraulic Toolbox, is a portable tool set that includes all necessary hydraulic components to immediately begin working on any application.

The Hydraulic Toolbox is a full hydraulic system, including a hydraulic cylinder, a lightweight hand pump with angled gauge adaptor assembly, couplers and hose. The Hydraulic Toolbox is available with several cylinder options, including RC-Series general-purpose cylinders, RCS-Series low-height cylinders and RSM-Series Flat-Jac cylinders.

Hydraulic tools are often damaged due to the environments in which they are stored, cutting their operating life short. The box protects hydraulic tools from dust, water and other environmental contaminants to help keep tools working efficiently.

"We've found that our customers often carry their tools by using the hose or couplers as a handle," says Tim Kellagher, Americas' marketing specialist. "This puts additional stress on the components of the tool which can lead to damage and potentially dangerous situations.

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