



The New  
E Series Hammer Models

**ARE A  
BIG HIT**



▲ At an Aclagro demolition site in Marchienne au Pont, Belgium, a Cat® H160ES pounds its way through concrete and rebar.

◀ A Cat 336D L extends its reach so the H160ES can clear what's left of an old factory and make room for a new industrial area.

*Have some concrete to demolish? Need large boulders shattered? How about some trenching work or asphalt breaking? The three new Cat® E Series Hammer models are ideal for handling such challenges and much more.*

#### **THE ONLY GLOBAL MANUFACTURER OF MATCHING HAMMERS AND CARRIERS**

Released worldwide, the H140Es, H160Es and H180Es are the next evolution in a continued commitment to the hammer business. They are designed, engineered and manufactured by Caterpillar at a new, high-tech engineering and manufacturing facility in Waco, Texas in North America. Built to perfectly match Cat carriers and their hydraulics system, these new hammers are ideal with machines from the 324 to the 374 excavators.

#### **THE RIGHT TOOL FOR THE JOB, AND MACHINE**

One company taking advantage of these new heavy-duty hammers is Aclagro, an earthworks company that specializes in soil and demolition work. They were one of the first in the EAME to purchase the new H160Es. Initially, the H160Es was used to help demolish an old factory. "We chose the Cat H160Es because other hammers were too heavy for our equipment and wore out machines unnecessarily. This hammer is a perfect fit for our 336D and 328D L CR. It will see about eight hours of work each day at our factory demolition site," said Christophe Gevaert, Head of Demolition at Aclagro.

#### **20 YEARS OF HAMMER MANUFACTURING EXPERIENCE**

Caterpillar has incorporated a number of impressive features into its three new models. "First of all, the entire hammer-carrier system is more reliable. The carrier is protected by the hammer's front-mounted accumulator, which protects the carrier's pumps from hydraulic pressure spikes. And, both the machine and operator are protected from damaging reflective forces by a tri-

suspension system," said Bert Heijligers, Marketing Communications Manager at Caterpillar Global Work Tools.

Another key feature is Automatic Shut-Off (ASO). As a hammer breaks through material, it's possible to "blank fire," meaning the hammer's power has nowhere to go but inside the hammer. "That can produce a huge amount of stress on the power cell, leading to wear and premature failure," added Bert.

Cat E Series hammers eliminate that stress with a system that completely eliminates blank firing. Faster than a human operator can detect, the ASO system stops the piston from cycling when the hammer's tool breaks through material. No matter how inexperienced the operator, ASO is always actively protecting the hammer.

Rounding out the E Series long list of features is a self-contained membrane accumulator that makes testing and recharging a routine task in the field. And, a lower tool bushing can easily be rotated 90° to bring it back into specification.

"This is a feature that is now unique to Caterpillar," said Stefan Van Haverbeke, Sales Manager at Bergerat Monnoyeur Belgium. "Plus, there is better protection for the wear of the bushing. An indicator below the tool seal shows the amount of wear. We can replace the bushing on the jobsite, so the hammer doesn't have to be disassembled," he added.

Another competitive advantage Stefan pointed out is the models' Autolube Connection and grease channel. "Our automatic greasing system uses an extra, third hose. With the competition,

when you fire the hammer, you have one input for grease. In our system, the grease is non-stop, circulating from pressure to the return side so the pump is constantly giving grease to the hammer."

#### **A ROBUST TOOL AND CUSTOMER SERVICE EQUAL PEACE OF MIND**

When it comes to Aclagro's new H160Es, efficiency and tool wear play an important role for Christophe. "We are always looking for the best price and quality. Caterpillar provides that, and when we are satisfied with something, we stick to it."

Not only are Aclagro and Christophe happy with the hammer's performance, so are operators. "I have been an operator for 28 years, and I prefer Cat. Even though I've only been working with our new hammer for a just few months, I already notice the advantages like the short power impact, which gives me better feel. I also appreciate the auto-lubrication. It makes maintenance easier," said Ludwig de Vuyst.

As with any piece of equipment or tool, providing exceptional service after the sale is important. "We have an excellent relationship with Bergerat Monnoyeur. I have a direct contact and can call any time if I have a question or need support. It's also important for us to test equipment before we buy it, and Bergerat Monnoyeur worked with us so we could try the new H160Es before we bought it. Caterpillar has a reputation for having premium products and they back it up with this hammer," concluded Christophe. ■

**Additional details at: [www.cat.com](http://www.cat.com)**



*"When we are satisfied with something, we stick to it!"*

Christophe Gevaert, Demolition Engineer at Aclagro