



**Crown Joules:** The DEWALT model D25263K 1 1/8-inch, three-mode rotary hammer has an 8.5-amp high-performance motor and delivers 0-1450 rpm and 0-5350 bpm with 3.0 joules of impact energy.

# HAMMER TIME!

## CORDED OR CORDLESS — THE DIFFERENCE DISAPPEARS

**N**o, we aren't pining for 1990, we are looking ahead at the industry's newest, most powerful, comfortable (!) and versatile rotary hammers. For performance, durability, safety — and cordless runtime — you can't touch these.

### DEWALT

DEWALT's most recent SDS rotary hammers include four models; the 1 1/8-inch model D25263K, the 1-inch D25262K, the 1-inch pistol grip D25133K and the 7/8-inch D25260K. Each one provides performance, durability and comfort for work in plumbing, electrical, concrete forming, HVAC and other concrete-related trades.

"Leading the collection, the 1 1/8 inch D25263K, which has 15 percent faster drilling speed on average when compared to the Bosch Bulldog Extreme Max (RH228VC) when drilling 5/8- by 3-inch holes," says Ricky Cacchiotti, product manager. "An 8.5-amp, high-performance motor delivers 0-1450 rpm and 0-5350 bpm with 3.0 joules of impact energy."

The D25263K also features three internal and three external rubber seals which help protect the unit from dust and debris, and provide DEWALT-level durability. At 6.8 pounds, with SHOCKS vibration control and a vibration-reducing side handle, this unit limits vibration felt by the user at the handle to 9.8 m/s<sup>2</sup> for optimal user comfort.

The 1 1/8-inch D25263K also features three operation modes; hammer drill, drill only and chipping. Each SDS rotary hammer features a rotating brush ring that delivers full power in reverse mode for bit-jam incidents.

Both the 1 1/8- and 1-inch SDS hammers are part of DEWALT's Perform & Protect line, designed to provide a high level of control, dust containment or low vibration, without sacrificing performance.

The 1 1/8-inch D25263K and 1-inch D25262K each have a two-year service warranty. The 1-inch pistol grip D25133K and 7/8-inch D25260K each have a one-year service warranty.

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**Cord Killer:** The new Bosch RH328VC-36 Bulldog 36-volt 1 1/8-inch SDS-plus rotary hammer delivers 2.4 foot/pounds of impact energy for fast, consistent drilling and chiseling in concrete.



**BOSCH**

Bosch is pushing the boundaries of rotary hammer performance both in corded and cordless tools. In the corded tool category, the new Bosch RH1255VC 2-inch SDS Max rotary hammer, packed with innovations like Turbo Power, Constant Response circuitry and Vario-Lock positioning, aims to raise the bar for rotary hammers while weighing less than 27 pounds. A variable speed dial provides two drilling speeds and allows the user to match speed to application. The Vario-Lock positioning feature allows users to rotate and lock the chisel with precision.

“In designing the Bosch RH1255VC rotary hammer, we incorporated as many Bosch product innovations as possible to benefit the user while still making this one of the lightest and most powerful rotary hammers on the market today,” says Mike Ieszi, product manager, corded products, Robert Bosch Tool Corporation. “Weighing just 26.2 pounds, the RH1255VC claim’s the best power-to-weight ratio in its class, delivering 14.1 foot-pounds of impact energy, an impressive feat for such a lightweight 2-inch SDS Max tool.”



IESZI

The Turbo Power feature gives the tool more torque and boosts speed in hammer mode. In addition, vibration control technology offers a mass-damper control in the hammer mechanism, and isolation technology in the handle further reduces vibration levels at the user’s hands.

In cordless tools, the new Bosch RH328VC-36 Bulldog 36-volt,

1 1/8-inch SDS Plus rotary hammer offers the punch of 36-volt power combined with battery runtime, user comfort and innovative features. The RH328VC-36 Bulldog provides 2.4 foot/pounds of impact energy for fast, consistent drilling and chiseling in concrete. The vibration-dampened handle provides comfort for all-day work. Active Response Technology shuts the tool off in bind situations and Electronic Precision Control (EPC) provides users precise drilling thanks to the advantage of 70-percent-power soft-start.

**MAKITA**

There is increasing awareness of dust extraction and vibration reduction in concrete applications. Makita is meeting demand with more solutions for less vibration and improved dust extraction – with no compromise in performance.

For reduced vibration, Makita developed Anti-Vibration Technology (AVT), a counterbalance engineered inside the tool to significantly reduce vibration. Recent rotary hammer



releases feature Advanced AVT, an engineering innovation that’s changing the way contractors work.

“Advanced AVT is a synchronized three-component system that more effectively reduces vibration,” says David Fernandez, product manager, Metal Working & Concrete Products, Makita U.S.A. “In addition to the air-actuated internal counterbalance system, Advanced AVT includes an integrated damper spring at the base of the impact bolt to absorb impact vibrations from the drill bit, as well as a vibration-absorbing housing. The housing is engineered to effectively isolate the rear and side handle — an industry first.”

“The results speak for themselves: the 1 9/16-inch model HR4013C Advanced AVT rotary hammer has just 5m/s<sup>2</sup> of vibration and the 2-inch model HR5212C Advanced AVT rotary hammer has just 9m/s<sup>2</sup> — category-leading vibration ratings — with no compromise in performance.”

For more effective dust extraction in chipping, demolition and drilling applications, Makita offers an expanding line of attachments and hoses. Dust extraction kits for both the HR4013C (196537-4)

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FERNANDEZ

**Maximum Makita:** For concrete drilling and chipping, Makita is giving contractors a total solution with Advanced Anti-Vibration Technology (AVT) rotary hammers and an expanding line of dust extraction solutions.



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**Hard Hitter:**  
Hitachi's new DH40MEY 1 9/16-inch SDS Max rotary hammer packs in the durability features like a new AC brushless motor, an aluminum housing body and UVP User Vibration Protection technology.

and HR5212C (196858-4) include attachments for drilling and demolition applications, with replaceable nozzle tips, as well as boot and depth rod extensions for use with bits up to 24-inch overall length.

At the heart of the Makita dust extraction system is the 12-gallon Xtract Vac wet/dry vacuum (VC4710). It has a 12-amp motor, 135 cfm, 92 inches of water lift and an operating sound level of only 59 dB(A). It has two flat main Nano filters, with an optional Certified HEPA main filter. To extend filter life, the VC4710 has a blow-back process set at timed intervals which reverses air flow through each filter. This is a more efficient filter cleaning system over common shaker or pulse filter cleaning systems.

## HITACHI

Hitachi's history began over 100 years ago in the industrial sector as a manufacturer of mining equipment, and the tradition of developing quality and innovative industrial tools continues today.

"Hitachi takes pride in its history of innovation and once again has stepped up with the new DH40MEY," begins



Chris Harris, associate product manager, Industrial Category for Hitachi.

"The DH40MEY 1 9/16-inch SDS Max rotary hammer is equipped with a new AC brushless motor. Brushless motors are not new, as Hitachi has been using this technology in its cordless tools for some time. However, it is new to the AC tool world. Now, Hitachi has taken the issue of carbon brush replacement out of the equation."

The new AC brushless motor in the DH40MEY not only extends the service period of the tool, it also extends the motor life and allows it to run on

extension cords and gas generators. This allows end-users to work on job sites where there is no power.

"Hitachi tools also feature AHB and UVP technology," Harris continues. "AHB stands for Aluminum Housing Body. The tool's outer body is made of a strong aluminum for an extremely durable tool. The inside of the housing is lined with a glass reinforced polyamide resin to insulate the electrical components inside the tool from the aluminum housing."

This aluminum body also allows the brushless armature bearings to be seated in metal instead of plastic, which makes for a tool that is reliable and requires less maintenance.

Hitachi has also incorporated its patented UVP (User Vibration Protection technology) into the DH40MEY. By having vibration reducing side and main handles plus an internal counter balancer, vibration felt by the end-user is reduced up to 15 percent.

"The DH40MEY 1 9/16-inch SDS Max AC brushless rotary hammer with AHB and UVP is another display of Hitachi's mission to use innovation to make the job site better for end-users," Harris states.

## MILWAUKEE TOOL

"As users look for increased productivity, Milwaukee's advances in motor and battery technology have made it possible for us to provide the first full range of SDS Plus solutions on a single battery platform," begins Andrew Plowman, director of product management.

"Until now, the technology did not exist to use a single battery platform that was small enough for use on compact tools, but powerful enough for medium and large tools. This has allowed the rotary hammer market trend away from corded and

into cordless solutions."

All Milwaukee hammers drill faster than their corded counterparts, are built with corded durability and can deliver up to a full day of work on one charge. Milwaukee accomplishes this level of performance by

combining three exclusive innovations: the Powerstate brushless motor, RedLithium battery pack and Redlink Plus intelligence.

Its proprietary M18 and M18 FUEL technologies enabled Milwaukee to  
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**FUELed Up:** Powered by FUEL technology, the Milwaukee M18 FUEL 1-inch SDS Plus D-handle rotary hammer drills faster than corded counterparts and claims to deliver a full day's worth of drilling on one charge.

develop a single battery system solution that meets the full range of user needs in each distinct SDS Plus rotary hammer market segment. These tools include a lightweight M18 5/8-inch tool for the compact segment, an M18 7/8-inch and M18 FUEL 1-inch tool for the medium segment, which makes up the majority of the market, and an M18 FUEL 1 1/8-inch hammer for the most demanding applications in the large SDS Plus segment.



PLOWMAN

"Until recently, users still needed a corded D-Handle rotary hammer to accomplish overhead or difficult-to-reach tasks, such as installing anchors," Plowman adds. "Through these same M18 FUEL

technologies, Milwaukee has just released an M18 FUEL D-Handle rotary hammer to provide these users the immense productivity benefits of a cordless D-Handle on the same battery platform as all of its other SDS Plus solutions.

"Later this year, Milwaukee will also introduce a first to the industry – an M18 FUEL SDS Max rotary hammer with a 1 9/16-inch drilling capacity," Plowman says. "This hammer will be the first of its kind to provide SDS Max drilling and chipping in a cordless solution." **CS**

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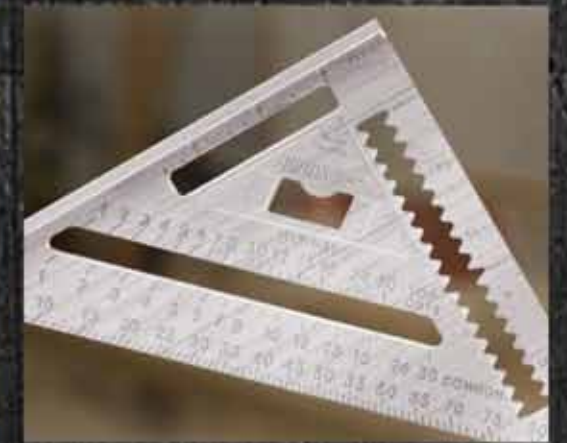
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