

DRILL BITS & CUTTING TOOLS

YOU CAN'T HAVE FAST DRILLING SPEEDS AND TOOL DURABILITY — OR CAN YOU?

Last year, this section focused on the strides that manufacturers have been making toward drill bits that offer both blazing speed and outstanding durability. Guess what? They're still at it and they are still achieving breakthroughs. Here are the best efforts of six industry leaders that are drilling down to perfection.

ALFA TOOLS

Alfa Tools is a family owned and operated corporation founded in 1977 with the goal of providing quality precision cutting tools for metal, wood, and concrete. Today, Alfa has evolved into an unparalleled source for over 22,000 SKUs of cutting-edge power tool accessories, abrasive products and many exclusive, hard-to-find products.

Alfa offers a large selection of USA made products, and its European production facilities provide the highest value to customers. Alfa Tools is the exclusive source for National

Abrasives coated and nonwoven products and MegaCut and MegaGrind bonded and vitrified abrasives.

Alfa Tools has added to its successful cutting tool line to include industrial quality tungsten carbide-tipped core cutters designed for rotary hammer drills with SDS-Max and spline drive systems. The core cutters are suitable for aggressive large-diameter breakthrough drilling in concrete, masonry, stone, brick and aggregates.

The large three-spiral flute design creates clean round holes at fast drilling speeds that work best in deep drilling applications; which ultimately means less vibration for the end-user.

Alfa's Core Cutters are designed for large-diameter breakthrough drilling in concrete, masonry, stone, brick and aggregates. They range from 1 1/2 to 3 1/8 inches in diameter and come in SDS-Max and Spline shanks.



"Alfa core cutters are specifically designed for large diameter applications starting at 1 1/2 inches," says Shaan Ahluwalia, vice president of sales and marketing, Alfa Tools. "They provide an efficient and advantageous alternative to what was previously available in the marketplace."



Alfa core cutters are available in diameters from 1 1/2 to 3 1/8 inches for both SDS-Max and spline drive systems. Their overall lengths range from 12 1/4 to 39 inches.

WALTER SURFACE TECHNOLOGIES

"The current mindset has changed: Customers are no longer looking at the upfront cost of a drilling product, but rather the performance it will deliver," says Stéphane Drainville, product manager, tooling and power tools at Walter Surface Technologies. "Now, it's all about safety, productivity costs and durability."



Technology evolves at an incredible speed today, optimizing design by modifying microns in the geometry, new surface treatment technology or using innovative coatings on drilling tools, will drastically affect the efficiency of the tool and double the life of it.

"Through countless hours in the field, we've found that when it comes to drill bits and cutting tools, end-users are looking to do away with the hundreds of different options available."

According to Drainville, this can add a burden on inventory and lead to confusion in the shop. Staying true to its commitment to developing the industry's most efficient products, Walter continues to build tools that are versatile, tough and ultra-performing. Walter is particularly excited to be celebrating the 25th anniversary of the SST drill bits this year. The SST line has been a top seller in Canada and has recently become available in the United States.

"Pioneering the cobalt blend in Canada, our bits are designed with a quick shank that ensures fast and secure tightening," adds Drainville. "Seeing as users aren't exclusively drilling into steel anymore, versatility and longevity are crucial to the design of the bits. Walter SST drill bits are proven products and excellent performers."

Additionally, Walter SST drill bits are designed for "on-the-go" usage, perfect for those working at different job sites. The clip on the packaging allows users to simply clip them onto a belt and go.

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Walter's SST drill bits are celebrating 25 years of success in the Canadian market and are finally coming to the States. Their quick shank design ensures an "iron grip" in the chuck.

X5 AMH

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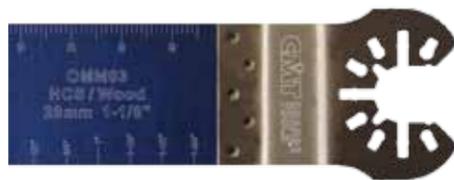
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CMT's expanding range of oscillating multi-tool cutters are offered in four main categories of materials: wood, wood and metal, multi-material and masonry.

concrete and stone. Gone are the days of grabbing a grinder and making a huge mess. Now an oscillating tool and one of CMT's diamond blades can tackle these jobs.

"With our full line of OST tooling, the possibilities are endless to create expanded functionality for all brands of oscillating multi-tools," Roach enthuses. **CS**

hole with 25 percent greater speed than conventional concrete bits and they have lifespans comparable to Bosch SpeedX bits and Bosch Bulldog bits.

CMT USA

Yes, we know this next one isn't a drill bit but CMT asked us really nicely and they do make great bits, especially for routers. CMT is really excited about their new oscillating tool blades, so here they are.

"Over the past couple years, we are seeing a major trend in the number of Oscillating Multi-Tools (OSTs) being used in the trades, due to their versatility and functionality," says CMT Mike Roach, inside sales manager. "With this increase in popularity, the trades are looking for tooling to expand the applications they can perform with these tools.

"CMT is addressing this need for a wider range of tooling with our new line of Oscillating Multi-Tooling. Using premium raw materials, innovative technology and Italian engineering, we have developed a high quality line of tooling designed specifically for the professional trades. With four distinct categories — wood, wood and metal, multi-material and masonry, CMT is giving professionals the ability to cut everything from wood to porous concrete."

For example, the 2 1/4-inch diamond coated segment saw blade will take on the toughest challenges and is ideal for cutting tile, marble, brick, porous



When used with a dust collection system, Bosch hollow core Speed Clean bits virtually eliminate dust at the source for faster, safer drilling and far less job site clean-up.



"Hollow-core Bosch Speed Clean bits are part of a comprehensive system that minimizes airborne dust while producing precise, clean holes in concrete," notes Thomas Grego, Bosch product and channel manager, masonry accessories. "Because Speed Clean bits virtually eliminate airborne silica dust in the environment, there are benefits to both workers and people located in the immediate area around the construction site. According to OSHA, more than 2.3 million people in the U.S. are exposed to fine grains of silica on the job; inhaling this dust has been suspected as a workplace hazard for decades."

Hollow-core Speed Clean bits are a key part of a comprehensive system that minimizes airborne dust while producing precise, clean holes in concrete. They also deliver a clean

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"Champion has developed an innovative new PTC3 Diamond Mini Hole Cutter as a solution for drilling holes in wear-resistant



tiles," she announces. "Tougher materials in high traffic buildings such as hospitals, airports, schools, and hotels have created a greater challenge for contractors. The PTC3 is designed to cut the hardest materials including Grade 5+ porcelain tile, granite, marble, glass, ceramic and agglomerate/cement."

The vacuum-brazed diamond tip and three-flatted shank offers superior performance and is ideal for use in keyless chuck power tools. PTC3 cutters are made using the highest quality industrial diamonds to penetrate materials faster and last longer. Their convenient and unique ability to "drill dry or wet" leaves less mess on the job site and allows for more accurate drilling. Auto-slug ejection aids in repeat drilling to save the user time and money.

"PTC3 diamond mini hole cutters are available in sizes 3/16 to 1 3/8 inches in diameter," Frey adds. "They are a must-have tool for any professional tile installer."

BOSCH TOOLS

The U.S. Department of Labor issued a ruling on March 24, 2016, aimed at better protecting workers from respirable silica dust on the jobsite. The new rule substantially reduces the allowed exposure limits for workers in industries that range from construction to manufacturing to fracking. The Department of Labor's Occupational Safety and Health Administration (OSHA) will enforce a reduction in the amount of silica that workers can be exposed to over an eight-hour day from 250 micrograms per cubic meter of air to 50 micrograms.

Beast carbide-tipped drill bits are German-made and provide solutions for drilling some of the hardest, rebar-filled concrete in the construction world.

"Whether the need is for drilling small-diameter holes using an SDS-Plus shank or larger-diameter holes with deeper embedment using an SDS-Max or spline shank, the Beast has it," Skaff says. "All Beast carbide drill bits meet ANSI standards and come with a two- or four-claw carbide tip. If you're looking for the best in carbide drill bits, unleash the Beast!"

CHAMPION CUTTING TOOL

Champion Cutting Tool Corp. has been a leader in the cutting tool industry, serving professionals with industrial-grade products and services for 120 years. Champion's flagship brands include Champion, Brute Platinum, RotoBrute and ProLine. The product range includes twist drills, end mills, taps, dies, magnetic drill presses, carbide-tipped cutters and masonry tools; all engineered for high performance. Client relations manager Allison Frey is one of the sixth generation of Frey family members to work at Champion.



PTC3 Diamond Mini Hole Cutters were created by Champion Cutting Tools to drill holes in the hardest materials, including Grade 5+ porcelain tile, granite, marble, glass, ceramic and agglomerate/cement.



Lackmond's Beast carbide-tipped drill bits are made in Germany for drilling the toughest, most rebar infested concrete in use today. They come in SDS-Plus, SDS-Max and spline shanks.

LACKMOND

In the construction industry, innovations, improvements and solutions are a must in order to keep up with market demands. Building requirements and specifications continue to evolve and it is important to keep up with those trends. One of those sectors is concrete. The concrete industry continues to grow, and with our current economic environment that growth is accelerated. Depending on the project, the need for concrete to be stronger, harder and virtually indestructible is growing.



"Lackmond Products recognizes the need to supply carbide-tipped drill bits that keep up with today's market trends," states Ted Skaff, Lackmond's vice president of marketing. "Carbide bits must be able to drill faster, last longer and be able to resist elements embedded in the base material, such as rebar and/or wire mesh. Whether it be extremely hard concrete, extra rebar in concrete or an extremely abrasive brick, we supply the professional drill bits to get the job done right."

Beast carbide-tipped drill bits by Lackmond keep up with industry demands and provide the professional solutions for a variety of applications and challenges they may encounter.

