




DIAMOND[®]X

PRODUCT CATALOG



DiamondX® is a new generation of tools for the *metal- working* industry. **DiamondX®** concentrates a large number of diamond grits on a single layer with an incredibly strong bond. This technology allows **DiamondX®** to cut and grind materials that traditional diamond tools could not.

WHAT IS DIAMOND[®]?

DiamondX® tools are made with diamonds, the hardest natural material known to man. They're created using a unique brazing technology that allows a high concentration of diamonds to be chemically and mechanically bonded to a steel surface. The results are a working tool life many times longer than standard abrasives such as aluminum oxide, zirconia alumina, or silicon carbide.

DIAMOND[®]X



High Performance and Cost Efficiency

Long Life, Fast Cutting and Less Time

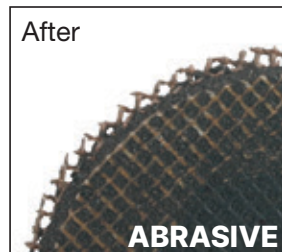
DiamondX[®] Tools deliver faster cutting speed than bonded abrasive tools by utilizing high-quality, highly concentrated diamonds that are bound to the core. The manufacturing process also gives **DiamondX[®]** products extremely long tool life. In fact, one **DiamondX[®]** Tool will last up to 50 times longer than traditional abrasives*. And since the operator won't spend time changing out worn abrasives, **DiamondX[®]** Tools provide greater efficiency than traditional abrasives.

Environmentally and Operator Friendly

Reduced Sparks, Less Debris and Minimal Odor

Traditional abrasives produce a high volume of sparks and odor as well as debris as the abrasives wear down. With **DiamondX[®]**, sparks are greatly reduced, odor is minimal, and the only debris remaining is from the material being worked.

Less Debris



VS



Safety: Reduced Vibration and Less Wheel Breakage

Traditional bonded abrasives are susceptible to fracture and breakage that can cause injuries. This can be a serious safety concern. **DiamondX[®]** improved technology of brazing diamond grits to the surface of a solid steel body greatly reduces the risk of fracture and breakage.

Application: Variety and Versatility

DiamondX[®] offers a wide variety of tools for cutting, grinding, weld joint removal, forming, and surface prep work. And because **DiamondX[®]** tools are exceptionally versatile, they can be used on ferrous and nonferrous metals as well as ceramics and polymers.

Wheel Wear: Retains Tool Size and Shape

The disadvantages of traditional bonded abrasives are short tool life and continuously changing tool size and shape during usage. **DiamondX[®]** offers extended tool life, and its size and shape does not change throughout its tool life.

*Based on internal testing results

METAL CUTTING

CHOPPER



The all-new **DiamondX®** Chopper is an all-new metal cutting chop saw blade. Designed for use on low-powered metal cutting chop saws, the 14" **DiamondX®** Chopper will chop through steel, stainless steel, rebar, structural steel and bolts with ease. The 14" **DiamondX®** Chopper will make more cuts than up to 70 conventional abrasive wheels*, greatly increasing the productivity by reducing the downtime associated with changing out worn abrasives.

Like all **DiamondX®** products, the new 14" **DiamondX®** Chopper is much safer and more eco-friendly than abrasives. The tools are made of steel and diamonds, which retain their shape, cut after cut. The steel core is virtually indestructible, providing a much safer working environment when compared to conventional abrasives that can fracture & break. Sparks, odor and debris are all greatly reduced, improving working conditions for the operator.

For use only on a chop saw.

*14" **DiamondX®** Chopper will outlast up to 70 14" abrasive discs*. Results may vary depending on the application, machine, and operator.

Part No.	Size	RPM
DXC0120P1413E	14" x .134 x 1/20mm	4,300

Applications

Steel, Stainless Steel, Rebar, Studs, Bolts, Pipe, Sectional Tubing & More!

CUTTER



The all-new 14" **DiamondX®** Cutter is the most advanced, versatile and powerful **DiamondX®** blade we've ever created. We've made advancements to our brazing technology to increase the speed and longevity of the blade. The higher quality diamonds are bonded to the steel core with a level of precision that is simply unmatched in the industry.

Designed for use on high speed gasoline cutoff saws and higher-powered chop saws, the 14" **DiamondX®** Cutter will slice through steel, stainless steel, rebar, structural steel and bolts with ease. The 14" **DiamondX®** Cutter will make more cuts than up to 70 conventional abrasive wheels*, greatly increasing the productivity by reducing the downtime associated with changing out worn abrasives.

Like all **DiamondX®** products, the new 14" **DiamondX®** Cutter is much safer and more eco-friendly than abrasives. The tools are made of steel and diamonds, which retain their shape, cut after cut.

For use only on a high speed gas saw or a chop saw.

*14" **DiamondX®** Cutter will outlast up to 70 14" abrasive discs*. Results may vary depending on the application, machine, and operator.

Part No.	Size	RPM
DXC0120P1413E	14" x .134 x 1/20mm	4,300

Applications

Steel, Stainless Steel, Rebar, Studs, Bolts, Pipe, Sectional Tubing & More!

*Based on internal testing results

Small Diameter Cutter



The **DiamondX**® Cutter is an all-new thin diamond blade that replaces bonded abrasive blades. Designed for use on demanding metal applications, the **DiamondX**® Cutter will also cut a variety of other materials including wood, plastics, composite materials, masonry, and ceramics. For optimum results on steel and stainless steel, use on sheet/section material up to 3/8" thick and solid bar/bolts up to 3/4". By using advanced brazing technology to bond high-quality diamonds to the steel core, the **DiamondX**® Cutter has an amazingly long tool life.

In fact, the **DiamondX**® Cutter will make more cuts than 30, 50 or even 100 abrasive discs, depending on the application. And thanks to the high-quality design of steel and diamonds, the **DiamondX**® Cutter is more durable against liquid or chemical contamination and damage from abuse. It's time to leave abrasives in the past.

Applications

Steel, Stainless Steel, Bolts, Nonferrous materials, Plastics, Fiberglass, Wood, Concrete, Tile, Brick

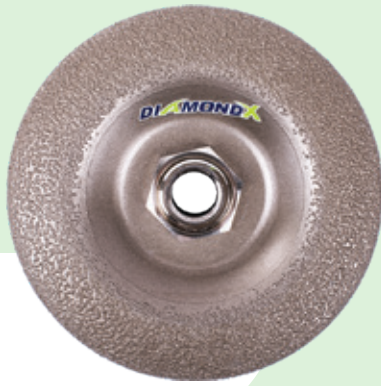
Part No.	Size	RPM
DXE0130P02053	2" x .050" x 3/8-1/4"	25,000
DXE0130P03053	3" x .050" x 3/8-1/4"	25,000
DXE0130P0405A	4" x .050" x 5/8"	19,000
DXE0130P4505C	4.5" x .050" x 7/8"	13,600

Part No.	Size	RPM
DXE0130P0505C	5" x .050" x 7/8"	12,225
DXE0130P0605C	6" x .050" x 7/8"	10,200
DXE0130P0706U	7" x .060" x U/A	8,600
DXE0130P0906C	9" x .060" x 7/8"	6,600



TYPE 29

DEPRESSED CENTER GRINDING DISC



Part No.	Size	Grit Size	RPM
DXA2920P04A	4" x 5/8 arbor	24	15,300
DXA2920P45H	4.5" x 5/8-11	24	13,600
DXA2920P05H	5" x 5/8-11	24	12,225
DXA2920P06H	6" x 5/8-11	24	10,200
DXA2920P07H	7" x 5/8-11	24	8,600
DXA2920P09H	9" x 5/8-11	24	6,600

Applications

Weld Removal, Pipe Beveling and Stock Removal of all Ferrous and Non-Ferrous Metals including Mild Steel, Stainless Steel, Alloy Steels, Ductile Materials, Hard-Face Metal Alloys and Ceramic

DEPRESSED CENTER GRINDING DISC FINER FINISH

Part No.	Size	Grit Size	RPM
DXA2930P04A	4" x 5/8 arbor	50	15,300
DXA2930P45H	4.5" x 5/8-11	50	13,600
DXA2930P05H	5" x 5/8-11	50	12,225
DXA2930P06H	6" x 5/8-11	50	10,200
DXA2930P07H	7" x 5/8-11	50	8,600
DXA2930P09H	9" x 5/8-11	50	6,600

Applications

Weld Removal Finer Finish for a wide variety of materials.



TYPE 27

FOUNDRY DISC



Part No.	Size	Grit Size	RPM
DXA2725P07H	7" x .140" x 5/8-11	36	8,600
DXA2725P09H	9" x .140" x 5/8-11	36	6,600

Applications

All Ferrous and Non-Ferrous Materials

PIPELINE DISC

Part No.	Size	Grit Size	RPM
DXA2730P04A	4" x .156" x 5/8	50	15,300
DXA2730P45H	4.5" x .156" x 5/8-11	50	13,600
DXA2730P05H	5" x .156" x 5/8-11	50	12,225
DXA2730P06H	6" x .156" x 5/8-11	50	10,200
DXA2730P07H	7" x .156" x 5/8-11	50	8,600
DXA2730P09H	9" x .156" x 5/8-11	50	6,600

Applications

All Pipeline Applications



TYPE 1

CUTTING & GRINDING WHEEL



Part No.	Size	Grit Size	RPM
DXB0125P0414A	4" x .137" x 5/8	36	15,300
DXB0125P4514C	4.5" x .137" x 7/8	36	13,600
DXB0125P0514C	5" x .137" x 7/8	36	12,225
DXB0125P0614C	6" x .137" x 7/8	36	10,200
DXB0125P0714C	7" x .137" x 7/8	36	8,600
DXB0125P0914C	9" x .137" x 7/8	36	6,600

Applications

Foundry-Gate/Rise Removal, Forgings, Metal Pipe, Sectional Tubing, Metal Plate, Steel Bar and Ductile Iron

CUTTING WHEEL



Part No.	Size	Grit Size	RPM
DXE0120P1615E	16" x .155" x 1	24	4,800
DXE0120P1815E	18" x .155" x 1	24	3,400
DXE0120P2017E	20" x .170" x 1	24	3,055
DXE0120P2418E	24" x .185" x 1	24	2,550
DXE0120P2618E	26" x .185" x 1	24	2,350
DXE0120P2820E	28" x .200" x 1	24	2,200
DXE0120P3020E	30" x .200" x 1	24	2,040

Applications

Foundry-Gate/Riser Removal, Forgings, Sheet Metal, Pipe, Metal Plate, Round & Sectional Tubing, Steel Bar, Angle Iron, Cast Iron, Ductile Iron, Metal Studs and Carbon/Mild Steel

REVERSIBLE HARD FACE GRINDING WHEEL



Part No.	Size	Grit Size	RPM
DXB0125P0414A	4" x .137" x 5/8	36	15,300
DXB0125P4514C	4.5" x .137" x 7/8	36	13,600
DXB0125P0514C	5" x .137" x 7/8	36	12,225
DXB0125P0614C	6" x .137" x 7/8	36	10,200
DXB0125P0714C	7" x .137" x 7/8	36	8,600
DXB0125P0914C	9" x .137" x 7/8	36	6,600

Applications

Weld Removal, Pipe Beveling and Stock Removal of all Ferrous and Non-Ferrous Metals including Mild Steel, Stainless Steel, Alloy Steels, Ductile Materials, Hard-Face Metal Alloys and Ceramic



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