



**DIAMOND X**<sup>®</sup>

**NEW DIAMOND TOOLS FOR  
DEMANDING METAL-WORKING APPLICATIONS**

# DIAMOND<sup>®</sup>X

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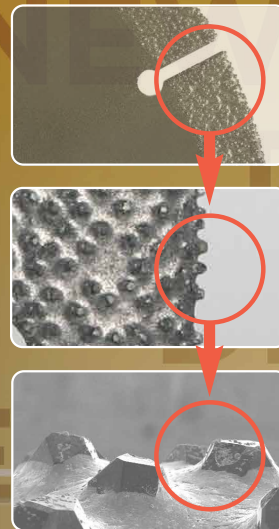
**DiamondX<sup>®</sup>** is a new generation of tools for the metal-working industry. **DiamondX<sup>®</sup>** concentrates a large number of diamond grits on a single layer with an incredibly strong bond. This technology allows **DiamondX<sup>®</sup>** to cut and grind materials that traditional diamond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



- High & Low Carbon Steel
- Hard Facing Alloys
- Ductile Iron
- Rail Track
- Steel Section, Bar & Tube
- Wood, Plastic, FRP, PVC
- Weld Removal
- Ceramic

## WHAT IS DIAMOND<sup>®</sup>X?

**DiamondX<sup>®</sup>** 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.



# BENEFITS OVER CONVENTIONAL ABRASIVES

## High Performance and Cost Efficiency :

### Long Tool Life, Fast Cutting Speed and Less Down 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 :

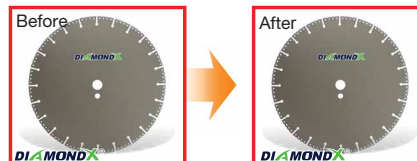
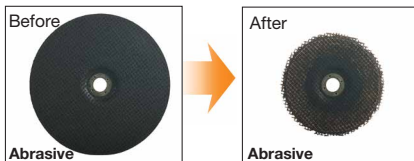
### Reduced Sparks, Less Debris and Minimal Odor

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.

#### Reduced Sparks



#### Less Debris



## 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.

## 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.

## 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 non-ferrous metals as well as ceramics and polymers.

\*based on internal testing results

# PRODUCTS

## • DIAMOND<sup>®</sup> CHOPPER



The all-new **DiamondX<sup>®</sup> Chopper** is an all-new metal cutting chop saw blade. Designed for use on low-powered metal cutting chop saws, the **14" DiamondX<sup>®</sup> Chopper** will chop through steel, stainless steel, rebar, structural steel and bolts with ease. The **14" DiamondX<sup>®</sup> 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<sup>®</sup>** products, the new **14" DiamondX<sup>®</sup> 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<sup>®</sup> 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!

## • 14" DIAMOND<sup>®</sup> CUTTER



The all-new **14" DiamondX<sup>®</sup> Cutter** is the most advanced, versatile and powerful **DiamondX<sup>®</sup>** 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<sup>®</sup> Cutter** will slice through steel, stainless steel, rebar, structural steel and bolts with ease. The **14" DiamondX<sup>®</sup> 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<sup>®</sup>** products, the new **14" DiamondX<sup>®</sup> 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. 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 **high speed gas saw** or a **chop saw**.

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

Part No.	Size	RPM
DXH0120P1415E	14" x .150 x 1/20mm	5,400

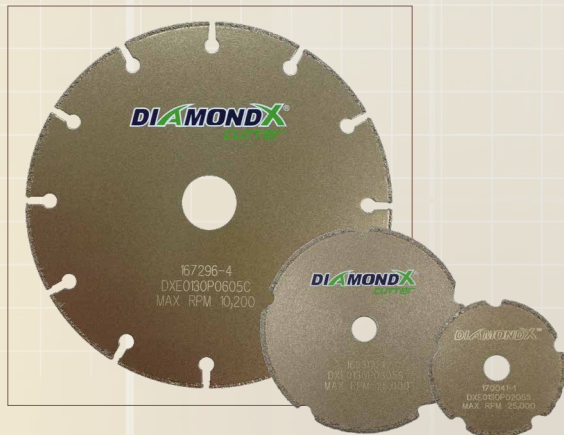


### Applications

Steel, Stainless Steel, Rebar, Studs, Bolts, Pipe, Sectional Tubing

\* based on internal testing results

## • DIAMOND X CUTTER SMALL DIAMETER



3" Cutter      2" Cutter

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
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



### Applications

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

## • DEPRESSED CENTER GRINDING DISC TYPE 29



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



\*Removable hub for 7/8" arbor.

### 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 TYPE 29 - 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.

# PRODUCTS

## • PIPELINE DISC TYPE 27



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

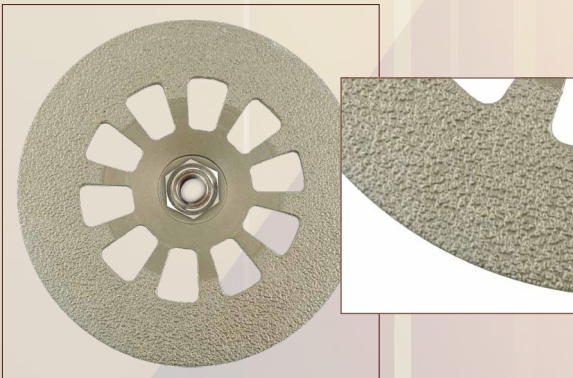


\*Removable hub for 7/8" arbor.

### Applications

All Pipeline Applications

## • CUTTING & GRINDING FOUNDRY DISC TYPE 27



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



\*Removable hub for 7/8" arbor.

### Applications

All Ferrous and Non-Ferrous Materials



APPLICATIONS

## • CUTTING & GRINDING WHEEL TYPE 1



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

## • GRINDING DISC - REVERSIBLE HARD FACE WELDING TYPE 1



Part No.	size	Grit Size	RPM
DXA0125P0425A	4" x .250" x 5/8	36	15,300
DXA0125P4525H	4.5" x .250" x 5/8-11	36	13,600
DXA0125P0525H	5" x .250" x 5/8-11	36	12,225
DXA0125P0625H	6" x .250" x 5/8-11	36	10,200
DXA0125P0725H	7" x .250" x 5/8-11	36	8,600
DXA0125P0925H	9" x .250" x 5/8-11	36	6,600



\*Removable hub for 7/8" arbor.

### 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

## • CUTTING WHEEL TYPE 1



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

\*Arbor can be opened to 1.5" upon request.

### 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



The logo for DIAMOND X features the word "DIAMOND" in a bold, black, sans-serif font with a white outline. The letter "X" is significantly larger and rendered in a vibrant green color with a white outline. A registered trademark symbol (®) is positioned to the upper right of the "X".

**DIAMOND<sup>®</sup>X**

**diamondxtools.com**

NEW DIAMOND  
TOOLS FOR  
DEMANDING  
METAL-WORKING  
APPLICATIONS

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