



***Diamond Tools for
Metal-Working Applications***

DIAMOND^X

New Diamond Tools for Demanding Metal-Working Applications

DiamondX is a new generation of tools for the metal-working industry. DiamondX concentrates a large amount of diamond grit on a single layer with an incredibly strong bond. This technology allows DiamondX to cut and grind materials that traditional diamond tools could not. DiamondX can cut and grind an extremely large range of materials such as:

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

What is DIAMOND^X?

DiamondX is made with diamonds, the hardest natural material known to mankind. It is manufactured by a unique brazing technology that allows a high concentration of diamonds to be chemically and mechanically bonded to a steel surface. The resulting tool life is far greater than standard abrasives such as aluminum oxide, zirconia alumina or silicon carbide. You can expect each DiamondX tool to last many times longer than standard abrasives.

Cost Efficiency: Long tool life and less down time

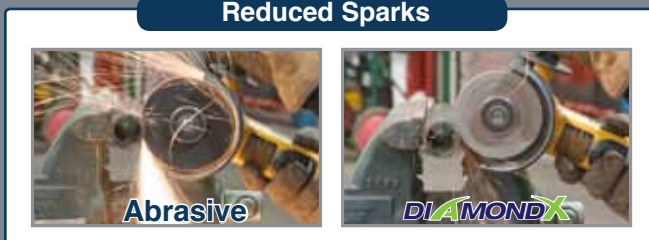
DiamondX delivers cost efficiency with longer tool life and less downtime changing worn abrasives discs.

Environmentally and Operator Friendly:

Reduced sparks, less debris and no odor.

Traditional abrasives produce a high volume of sparks and odor as well as debris from the abrasives wearing down. With DiamondX sparks are greatly reduced, odor eliminated, and the only debris left is the material being worked.

Reduced Sparks



Less Debris



Safety: Wheel Breakage Eliminated

Traditional bonded abrasives are susceptible to fracture and breakage that can cause injuries. This is a serious safety concern for many users. DiamondX, which comprises a solid steel body with diamond grits brazed on to the surface, has greatly reduced risk of fracture.

Application: Variety and Versatility

DiamondX offers a wide variety of tools for cutting, grinding, weld joint removal, forming, and surface prep work. Additionally, each DiamondX tool is extremely versatile and the same tool can be used on ferrous and non-ferrous metals as well as ceramics and polymers.

DEPRESSED CENTER GRINDING DISCS



Diameter	Arbor	24 Grit Part #	50 Grit Part #
4" (102 mm)	5/8"	168837-DX	170616-DX
4-1/2" (114 mm)	5/8" - 11 HUB*	168838-DX	170617-DX
5" (127 mm)	5/8" - 11 HUB*	168839-DX	170618-DX
6" (152 mm)	5/8" - 11 HUB*	168840-DX	170619-DX
7" (178 mm)	5/8" - 11 HUB*	168841-DX	170620-DX
9" (229 mm)	5/8" - 11 HUB*	168842-DX	170621-DX

*7/8" arbor available upon request



Application: 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 AND GRINDING DISCS (FLAT)



Diameter	Width	Arbor*	Max RPM	Part #
4" (102 mm)	.140	5/8"	15,300	168843-DX
4-1/2" (114 mm)	.140	7/8"	13,600	168844-DX
5" (127 mm)	.140	7/8"	12,225	168845-DX
6" (152 mm)	.140	7/8"	10,200	168846-DX
7" (178 mm)	.140	7/8"	8,600	168847-DX
9" (229 mm)	.140	7/8"	6,600	168848-DX

36 Grit *5/8 - 11" arbor available upon request



Application: Foundry-Gate / Riser Removal, Cutting Forging, Steel Metal, Pipe, Sectional Tubing, Metal Plate, Shipbuilding, Steel Bar, Ductile Iron, Hard Face Metal Alloys, and Ceramic

CUT - OFF WHEELS FOR RAIL



Diameter	Width	Arbor	Part #
16" (102 mm)	.155	1" - 20mm	168761-DX
18" (114 mm)	.170	1"	168855-DX
20" (127 mm)	.170	1"	168856-DX

30 Grit



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

SILENT CORE CUT-OFF WHEELS



Diameter	Width	Arbor	Part #
16" (406 mm)	.155	1" - 20mm	170630-DX
18" (457 mm)	.155	1"	170631-DX
20" (508 mm)	.170	1"	170632-DX

30 Grit



Application: Foundry-Gate / Riser Removal, Cutting Forging, Steel Metal, Pipe, Metal Plate, Round & Sectional Tubing, Steel Bar, Angle Iron, Cast Iron, Ductile Iron, Metal Studs, Carbon / Mild Steel, and Ceramic

FOUNDRY DISCS



Diameter	Arbor	Max RPM	Part #
7" (178 mm)	5/8" - 11	8,600	170628-DX
9" (229 mm)	5/8" - 11	6,600	170629-DX

36 Grit Removable HUB for 7/8" arbor

Application: Ferrous and non-ferrous metals



PIPELINE DISCS



Diameter	Arbor	Max RPM	Part #
4" (102 mm)	5/8"	15,300	170622-DX
4-1/2" (114 mm)	5/8" - 11	13,600	170623-DX
5" (127 mm)	5/8" - 11	12,225	170624-DX
6" (152 mm)	5/8" - 11	10,200	170625-DX
7" (178 mm)	5/8" - 11	8,600	170626-DX
9" (229 mm)	5/8" - 11	6,600	170627-DX

50 Grit Removable HUB for 7/8" arbor

Application: Pipeline



GRINDING DISCS FOR HARD FACING (FLAT)



Diameter	Width	Arbor	Max RPM	Part #
4" (102 mm)	.250	5/8"	15,300	168849-DX
4-1/2" (114 mm)	.250	5/8" - 11 HUB*	13,600	168850-DX
5" (127 mm)	.250	5/8" - 11 HUB*	12,225	168851-DX
6" (152 mm)	.250	5/8" - 11 HUB*	10,200	168852-DX
7" (178 mm)	.250	5/8" - 11 HUB*	8,600	168853-DX
9" (229 mm)	.250	5/8" - 11 HUB*	6,600	168854-DX

30 Grit *7/8" arbor available upon request

Application: 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



CUTTERS



Diameter	Width	Arbor	Max. RPM	Part #
3" (76 mm)	.050"	3/8"	25,000	170745-DX
4" (102 mm)	.050"	5/8"	19,000	170746-DX
4-1/2" (114 mm)	.050"	7/8"	13,600	170747-DX
5" (127 mm)	.050"	7/8"	12,225	170748-DX
6" (152 mm)	.050"	7/8"	10,200	170749-DX
7" (178 mm)	.060"	7/8"	8,600	170750-DX
9" (229 mm)	.060"	7/8"	6,600	170751-DX

Application: Steel, stainless steel, bolts, nonferrous materials, plastics, fiberglass, wood, concrete, tile, and brick.



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