

**NORTON**

SAINT-GOBAIN

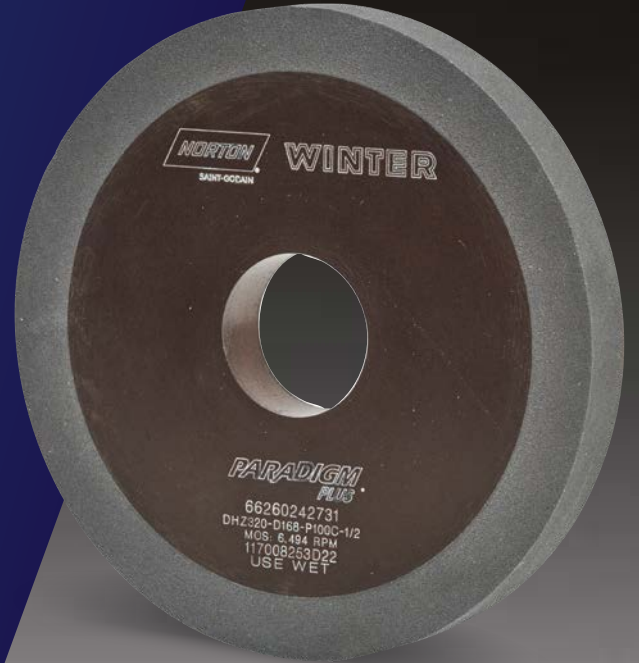
**WINTER**

# DIAMOND WHEELS FOR ROUND TOOL GRINDING

## PATENTED

Norton Winter Paradigm Plus Diamond wheels for round tool grinding are the newest generation of Paradigm product which features a new grain technology that complements the already successful brittle-metal bond technology to deliver even higher grinding performance on carbide round tools. This technology, together with an advanced new lightweight core, produces lower specific cutting energy with a 25% to 50% higher MRR, and has significantly improved wheel life when compared with current Paradigm wheels.

**PARADIGM**  
PLUS



### KEY MARKETS: ROUND TOOL GRINDING

### KEY APPLICATIONS: FLUTING, GASHING

Made-To-Order

### AVAILABILITY:

Norton Winter Paradigm Plus wheels are made to meet your precise requirements. They are available in a variety of profile shapes and wheel sizes to meet your specific needs for round tool grinding. Contact your Norton representative for specification recommendations to ensure maximum grinding performance.

Dressing Product

### RECOMMENDATIONS:

Online dressable with CVD reinforced diamond roll or offline with convention aluminum oxide wheel.

General Application

### PARAMETERS:

Wheel Speed:	3,000-5,000 SFPM
Infeed Rate:	2" - 8" per minute
Depth of Cut:	Up to 0.350" for gashing, 0.220" for fluting
Coolant:	Oil or water soluble

Paradigm Plus Round Tool Grinding

### SHAPES & DIMENSIONS:

Shapes:	1A1A, 3A1A, 1B1RN, 14B1A
Diameter (D):	3" - 8"
Layer width (T or U):	.200" - 1" as one section (shape dependent)
Layer depth (X):	Shape/layer width dependent
Grit size:	100 grit through 12/22mic (finest)
Grade and concentration:	C-F grade, 152-184 (varies by grit)
Diamond specification:	DHZ
Core material:	Lightweight resin-based core, standard for 3" - 8" diameter, 3/8" - 1" thick wheels



Learn more about Paradigm

<https://nortonsga.us/paradigmplus>

[www.facebook.com/NortonAbrasivesNA](http://www.facebook.com/NortonAbrasivesNA) | [www.youtube.com/NortonAbrasives](http://www.youtube.com/NortonAbrasives) | [www.nortonabrasives.com](http://www.nortonabrasives.com)

#### USA CUSTOMER SERVICE:

Toll Free Phone: 1 (800) 551-4413  
Toll Free Fax: 1 (800) 551-4416

#### CANADA CUSTOMER SERVICE:

Toll Free Phone: 1 (800) 263-6565  
Toll Free Fax: 1 (800) 561-9490

#### FORM #8984

© Saint-Gobain March 2023.

Norton, Paradigm, "Transforming surfaces and beyond", and Winter are trademarks of Saint-Gobain Abrasives. All other trademarks are the property of their respective owners.

