

**NORTON**

SAINT-GOBAIN

**WINTER**

## EDGE GRINDING WHEELS (EGW)

### ACHIEVE A SUPERIOR FINISH

Norton Winter Edge Grinding Wheels (EGW) are ideally suited for producing high material yield and high throughput when edge grinding hard and brittle materials. With uniform diamond size and distribution throughout the wheel, they provide superior finish with minimal edge chipping.



### KEY MARKET SEGMENTS

ADVANCED MATERIAL SUPPLIER FOR POWER ELECTRONICS | SEMICONDUCTORS

### KEY APPLICATIONS AND MATERIALS

DIFFICULT TO GRIND MATERIALS IN WAFER MANUFACTURING | SIC | ALN | SI | SAPPHIRE | GALLIUM ARSENIDE | GERMANIUM

[www.nortonabrasives.com](http://www.nortonabrasives.com)

**NORTON**

SAINT-GOBAIN

**WINTER****EDGE GRINDING  
WHEELS (EGW)**

## FEATURES & BENEFITS

- Consistent product with tightly controlled diamond size and high concentration
- Uniform diamond distribution throughout the abrasive layers
- Engineered diamond exposure ratio
- Offers accurate part dimension including angle, radius, and width
- Superior surface finish with minimal edge chipping and subsurface damage
- Onsite application support and process fine tuning

### Uniform Diamond Distribution In Grooves

Norton Winter Edge Grinding Wheels offer premium part quality, consistent profile, and longer life. The Edge Grinding Wheel is designed with premium quality diamond, a unique bond structure for optimum diamond retention, and high diamond exposure ready to grind and hold the groove profile longer.

**R4 - GROOVE 4****R5 - GROOVE 5****R6 - GROOVE 6**

### Edge Grinding Wheels Availability

<b>SIZES:</b>	102 mm or 202 mm
<b>ABRASIVE:</b>	Diamond - ½ µm to 40/60 µm
<b>GRIT:</b>	2,000 US mesh and 4,000 US mesh
<b>BOND:</b>	Single or dual grit
<b>CONCENTRATION:</b>	Metal, Electroplated
<b>CUSTOMIZATION:</b>	Specification can be engineered for optimized process
<b>OEM:</b>	Accretech, Daitron

### Case Study

<b>APPLICATION:</b>	Edge grinding of 150 mm SiC wafers
<b>WHEEL SPEC:</b>	202mm – D15B/D20C – BZ387 – C100
<b>MACHINE:</b>	Edge grinder for hard material
<b>RESULTS:</b>	Able to grind SiC wafer with minimal chipping, maintaining surface roughness and edge profile through the life of the product.

**FIRST WAFER****LAST WAFER**

[www.facebook.com/NortonAbrasivesNA](https://www.facebook.com/NortonAbrasivesNA) | [www.youtube.com/NortonAbrasives](https://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 #8919** REV. 04/21

© Saint-Gobain April 2021.

Norton, Norton Winter and "Reshaping Your World" are trademarks of Saint-Gobain Abrasives. All other trademarks are the property of their respective owners.

**NO-RISK TEST**