

# Razor® System

Data Sheet

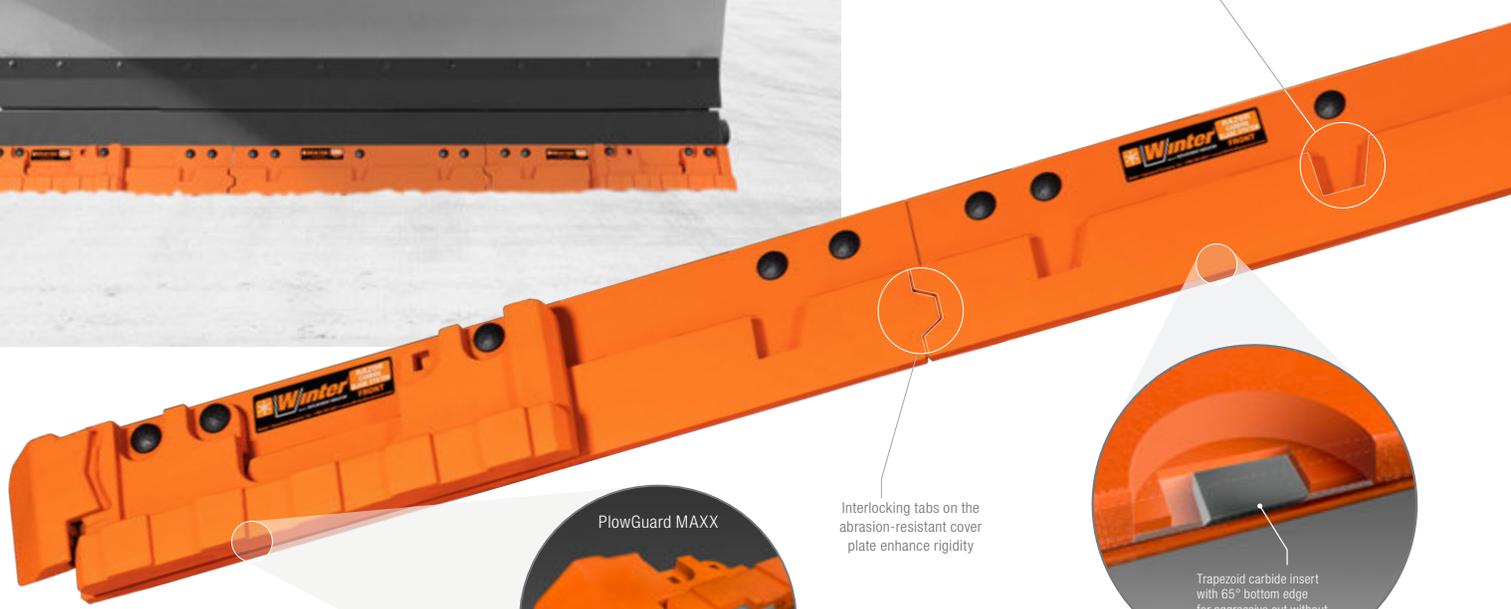
**WINTER**  
The Snowplow Wear Parts Experts

**Carbide** | Steel | Rubber

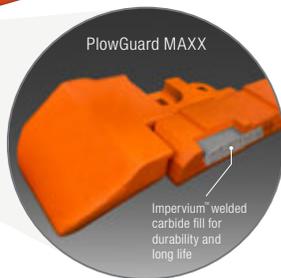
**LASTS 2X LONGER**  
SATISFACTION GUARANTEE



Wear indicator takes the guesswork out of routine maintenance

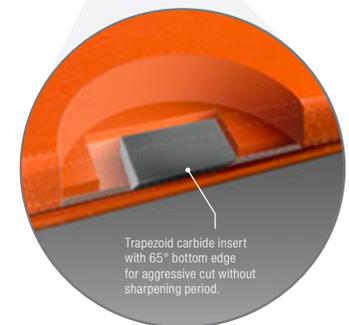


PlowGuard MAXX



Impervium™ welded carbide fill for durability and long life

Interlocking tabs on the abrasion-resistant cover plate enhance rigidity



Trapezoid carbide insert with 65° bottom edge for aggressive cut without sharpening period.



## Best Used For

### ROADS

Concrete, chip-seal, asphalt

### SPEED

High, Medium, Low

### PLOW TYPE

Front reversible, one-way, wing, and tow plows

### ANGLE OF ATTACK

65°–90°

The Razor is Winter's entry-level premium carbide blade and was designed to be the next generation of blades using carbide insert with cover. Its leaner profile and segmented design make it safer and easier to install and change. It provides superior cutting for municipalities clearing city streets and concrete subdivisions.

### OPTIMAL BLADE ANGLE



### BOLT KIT INCLUDES

	(12) 5/8"-11 x 3" Grade 8 Plow Bolt
	(6) 5/8"-11 x 3 1/2" Grade 8 Winter Super Bolt
	(18) 5/8"-11 All Metal Lock Nut
	(18) 5/8" Flat Washer

# This is Winter Equipment



- We're an American snow plow wear parts manufacturer located in Cleveland, Ohio supplying high-quality equipment for more than 30 years. Our wear parts are used in nearly every state in North America.
- We've racked up more than 25 U.S. patents for our proprietary materials, unique manufacturing processes and wear part designs to give you the best equipment possible.
- We are committed to making 'The Right Tool for the Job' for any road-clearing challenge – we are obsessed with the value, innovation, and performance of our products.



We're have the only Satisfaction Guarantee in the snowplow wear parts industry. If your Winter Equipment wear parts fail to meet your expectations for any reason, we will work with you until you are completely satisfied.

## Pioneering Common Sense



We were the first wear parts supplier to develop what's known as a complete cutting edge system more than a decade ago, which means you receive a self-contained kit including the cutting edges, the plow guards, and all the hardware you need delivered in one crate. One part number makes it easy to order; one complete system means all the pieces are included, no more hassles with ordering separate pieces and parts.

### Questions?

For help on what's the best blade option for your road conditions, or how changing your cutting edges can help reduce your salt & chemical usage, call our knowledgeable wear parts experts: 800.294.6837 or email us: [bwakeland@winterequipment.com](mailto:bwakeland@winterequipment.com)



BOB WAKELAND

## Impervium™ carbide is cutting-edge tech in durability and long blade life

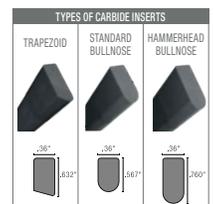
You might think all there is to carbide is that it makes cutting edges tough. While that's true, there's a little more to that story you might find interesting. Carbide is our specialty, and we want you to know how we use it to make longer-lasting cutting edges for you.

We use carbide in our cutting-edge design in two different ways; first, we developed a unique multi-layered welding process to create wear-resistant pockets in the edge, making the material as durable as possible without becoming brittle and vulnerable to fracturing caused by surface impacts. The result is a material we proudly call Impervium™ carbide, a patented technology available only in wear parts from Winter Equipment.

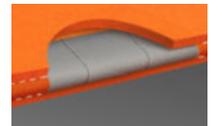
The second application of carbide involves the use of two kinds of carbide inserts: wear-resistant slugs of carbide that are braised into a groove in the cutting edge. These inserts have either a trapezoid profile for blades with a fixed attack angle, or a bullnose profile for blades with an adjustable attack angle. For even more durability, we produce a heavy-duty carbide insert made with our Impervium carbide called HammerHead™, which is formulated for the right balance of hardness and fracture resistance. We make our inserts in separate 1" sections to stop a fracture before it spreads across the entire edge of the blade. That's why even if a Winter carbide edge cracks, only a very small section of the edge is compromised, but the rest of the blade remains usable.

So carbide is one way we add industry-leading durability and performance to our cutting edges, beginning with the composition of the steel itself, and then the purpose-driven profile of the insert shape. We apply these principles to all our wear parts including carbide, steel and rubber cutting edges, plow guards, wear shoes, hardware and accessories.

Impervium™ Carbide Fill



HammerHead™ Carbide Inserts



For more insights we have to make pushing snow easier, you can check out our 'Tech Tips', 'What's In The Box', or other content on our YouTube channel or our blogsite.



YouTube Channel



Winter Blog