

# CASE STUDY: BLOCKBUSTER

Nebraska Department of Transportation  
Region 4



## BlockBuster® System

DOT-rated, 4X blade life, engineered with wide footprint to minimize road damage.



### Challenge

Region 4 is responsible for removing snow in 20 counties. Its biggest struggle is its diamond coat road composite. Diamond coat is highly abrasive, making excessive chatter and short wear life an obstacle. Region 4 runs primarily carbide blades. Some locations include plow guards. It tested Joma in the past, but it failed against the diamond coat road surface.

### Solution

The decision to give the BlockBuster a trial was made in September of 2013. Soon after testing began, Region 4 noticed immediate improvement. Not only did the BlockBuster prove extended wear life by **5X** over standard carbide and guards, the excessive chatter was diminished.

*"We use the BlockBuster on diamond coat roads that are very abrasive. Helps stop chatter. Lasts 5X longer than standard setup. Tried the Joma and it didn't work."*

— Chuck Hagen, Purchasing Management

### Key Advantages

The HammerHead® Bullnose Carbide insert allows for multiple attack angles. The Wear Bars are encased with Winter Carbide Matrix® totaling 56 lbs. of carbide protection. The wide footprint protects your road surface from damage caused as a result of snow removal.

### OTHER DOT USERS:

Minnesota Department of Transportation  
Arkansas State Highway and Transportation  
State of Ohio Department of Transportation

### SAVINGS ANALYSIS 5X Wear Life

#### Cost Savings Per Truck

**\$1,436**

#### Region 4, 186 Trucks

**\$267,096**

#### Nebraska DOT, 1000 Trucks

**\$1,436,000**

NOTE: Does not include downtime cost. The Winter Equipment Company manufactures wear systems that can last up to a complete season. Each customer's experience will vary depending on wear factor expectations, weather, operator use, and other variables

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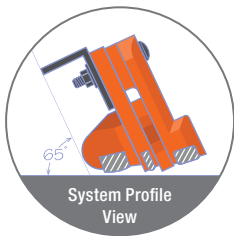
**Carbide** | Steel | Rubber

UPDATED 11.01.22

## BlockBuster Cutting Edge

\* 4' Carbide Blade – Part No: BBH3041223UNIV

\* 3' Carbide Blade – Part No: BBH3031223UNIV

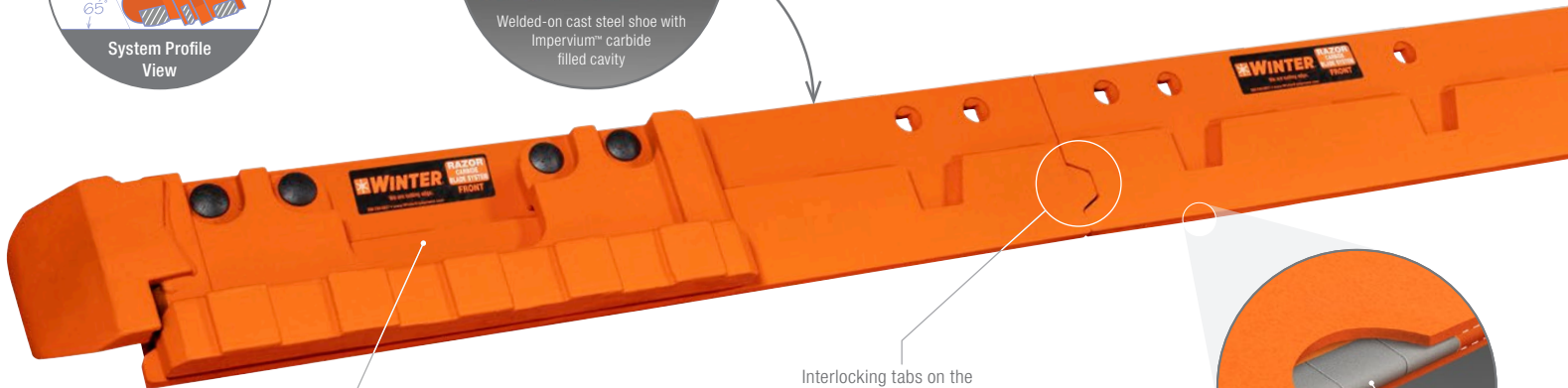


System Profile View



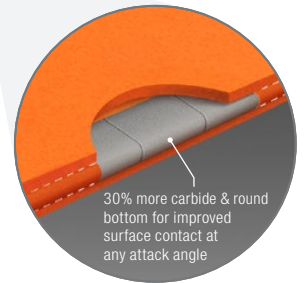
Blade Back Moldboard Shoe

Welded-on cast steel shoe with Impervium™ carbide filled cavity



PlowGuard MAXX

Interlocking tabs on the abrasion-resistant cover plate enhance rigidity



30% more carbide & round bottom for improved surface contact at any attack angle

### Best Used For

#### ROADS

Concrete, chip-seal, asphalt

#### SPEED

High, Medium, Low

#### PLOW TYPE

Front reversible, one-way, wing and tow plows

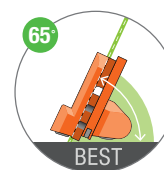
#### ANGLE OF ATTACK

45°–90°



BlockBuster is Winter's longest lasting premium carbide blade. It was engineered and built to withstand long runs on the largest plows for highways and interstates. It is best suited to clear large volumes of snow while still protecting your road surfaces with its heavy, carbide filled moldboard shoes.

#### OPTIMAL BLADE ANGLE



110322

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 **WINTER**  
The Snowplow Wear Parts Experts