

CASE STUDY  
Wyoming Department of Transportation  
District 3-Evanston

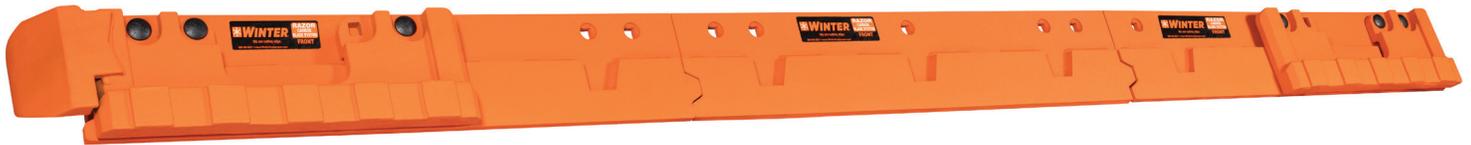
Reviewed and written by Winter Equipment Company



800.294.6837  
WinterEquipment.com

# RAZOR® XL System

DOT-rated, 3X blade life, engineered to provide best of both cutting power and long blade life.



## SAVINGS ANALYSIS 6X Wear Life

**\$939**

Per Truck

\$430 (standard set up) X 6X Wear Life =  
\$2,580 - \$1,641 (Razor XL) =  
\$939 (per truck savings)

**\$5,634**

Evanston Garage  
6 Trucks

\$939 (per truck savings) X 6  
(number of plows at garage) =  
\$5,634 (per garage savings)

**\$93,900**

Wyoming DOT  
100 Trucks

\$939 (per truck savings) X 100 =  
\$93,900 (UTDOT savings)

### Challenge

The Wyoming DOT — Evanston location sits just outside of Utah in a mountainous area that experiences heavy snow fall accumulation and consistent snow events. The plows run on high-speed, concrete roads. The Evanston garage was running 3/4" x 6" single carbide insert blades prior to converting its fleet to the Razor XL. Wear life was its biggest challenge as it was changing blades every 12-30 hours. This means it was changing blades each shift.

### Solution

The decision to purchase four Razor XL Systems was made in January of 2017 after hearing positive reports from testing at Utah DOT locations. Evanston reports running the Razor XL for 100+ hours before requiring a blade change, resulting in **4X-8X** the wear life over the previous carbide blade set up.

This garage anticipates purchasing additional Razor XL Systems and converting its fleet to combat the 2017-2018 winter season.

### 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.

*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.*

### OTHER DOT USERS:

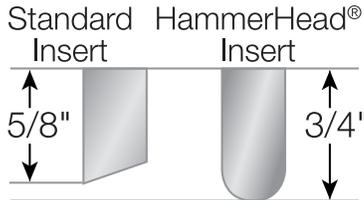
Indiana Toll Road, Oklahoma Turnpike Authority, Kentucky Transportation Cabinet, State of West Virginia DOT, Utah Department of Transportation

Razor® XL is built to last 3Xs longer than your standard carbide, steel-covered blade — we guarantee it.



# RAZOR® XL System

DOT-rated, carbide insert blade system.



**29%  
MORE CARBIDE**



Profile View



Rear View

## FEATURES & BENEFITS

### Increased Blade Life

Bullnose HammerHead™ carbide inserts and Winter Carbide Matrix®-filled cast steel wear bars.

### High Wear Protection

Two PlowGuard MAXX™ of your choice to defend against uneven and premature wear, where you need it most.

### Superior Cutting

Aggressive blade cuts through packed snow and ice leaving your roads clear and minimizes your salt and chemical treatment.

### Multiple Attack Angles

Bullnose HammerHead Inserts perform on most attack angles.

**FREE freight! Arrives in an easy-to-inventory crate.**

### ONE PART NUMBER INCLUDES:

Three Razor XL Blade Sections

Two PlowGuard MAXX

Grade 8 Hardware

## BEST USED



Roads: Concrete, chip-seal, asphalt roads

Speed: Low, medium, high speed

Plow Type: Front reversible, one-way, wing and tow plows

Angle of Attack: 65° - 90°



**Our quality impacts and protects what matters most, people! Call us today.**

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