

CASE STUDY: RAZOR XL

Wyoming Department of Transportation
District 3-Evanston



Razor® XL System

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



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 ¾" 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.

OTHER DOT USERS:

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

SAVINGS ANALYSIS Average 6X Wear Life

Cost Savings Per Truck

\$939

Evanston Garage, 6 Trucks

\$5,634

Wyoming DOT, 100 Trucks

\$93,900

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

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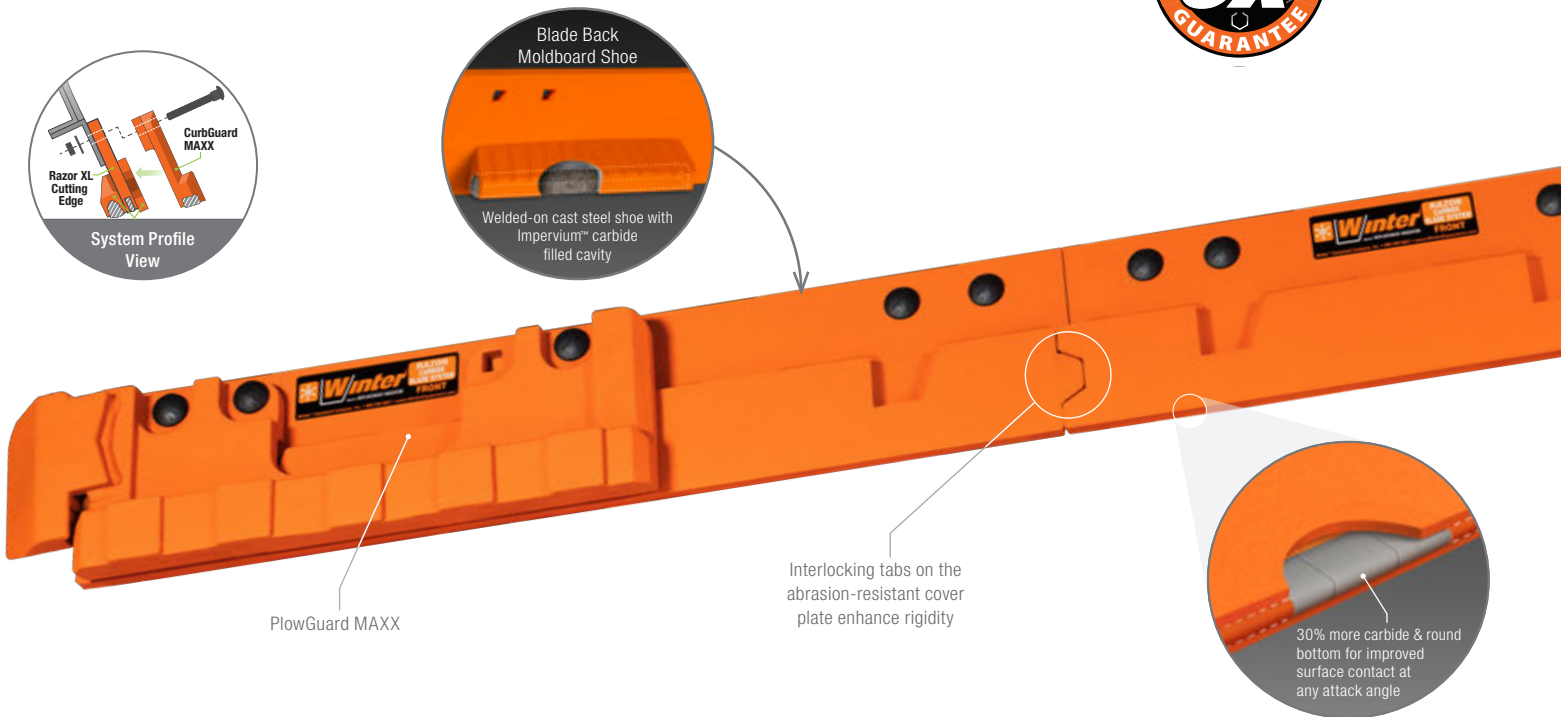


Carbide | Steel | Rubber UPDATED 05.09.23

Razor® XL Cutting Edge

* 4' Carbide Blade – Part No: RZXL3041223

* 3' Carbide Blade – Part No: RZXL3031223



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°



Razor XL is Winter's best-performing premium carbide blade. Its aggressive cutting edge performs best cutting and removing hardpack and ice. It has all the snow-clearing power of our BlockBuster, with a leaner design that makes it easier for your crews to change.

OPTIMAL BLADE ANGLE



050923

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