The Evolution Edges Endurance™ is an innovative steel carbide cutting edge and secondary cover blade adhered in a proprietary formulated polyurethane as one complete cutting edge system. Evolution Edges Endurance™ blades provide superior performance and longevity when compared to traditional steel blades.

ENDURANCE™ POLY-CARBIDE SYSTEM BENEFITS

**INCREASED BLADE LIFE**
Carbide inserted blades encased in polyurethane provide a shock absorption effect that increases the life of the carbide blade.

**REDUCED DRIVER FATIGUE**
A 50% reduction in vibration helps reduce driver fatigue.

**INCREASED SAFETY**
Having one complete blade section eliminates the need to handle many individual parts during assembly and installation.

HOW IT WORKS

**THE ENDURANCE™ BLADE COMPONENTS**
The poly-encasement supplies greater vibration suppression and the fully enclosed blade prevents corrosive materials from compromising the layers and carbide within. The single blade unit decreases damage to the road and plow, while increasing the blade lifespan by suppressing vibration from road surface contact.
X-Axis = Positive G Forces of Cutting Edge Against Road

Control of a Total 760 seconds for each experiment

Results of X-Axis = Vibration intensity of plow contact on road

<table>
<thead>
<tr>
<th>G Force Events</th>
<th>Carbide-Steel Blade</th>
<th>VST Blade</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count of Forces Over 4G</td>
<td>569</td>
<td>18</td>
<td>25X Reduction in X</td>
</tr>
<tr>
<td>Average G Force</td>
<td>1.47G</td>
<td>0.73G</td>
<td>2X (50%) reduction in X</td>
</tr>
<tr>
<td>Max G Force</td>
<td>11.50G</td>
<td>6.64G</td>
<td>2X (50%) reduction in X</td>
</tr>
</tbody>
</table>

This metric represents long term wear and catastrophic impact to plow.

Results of Z-Axis = Vibration intensity moving into the truck & driver

<table>
<thead>
<tr>
<th>G Force Events</th>
<th>Carbide-Steel Blade</th>
<th>VST Blade</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count of Forces Over 4G</td>
<td>439</td>
<td>52</td>
<td>VST had 9X reduction in Z</td>
</tr>
<tr>
<td>Average G Force</td>
<td>1.45G</td>
<td>0.77G</td>
<td>VST had 2X reduction in Z</td>
</tr>
<tr>
<td>Max G Force</td>
<td>7.34G</td>
<td>6.68G</td>
<td>VST had .1X reduction in Z</td>
</tr>
</tbody>
</table>

**NEW STANDARD FEATURE!**

**CURB ARMOR™ CURB GUARD - WEAR PLATE INCLUDED**

The Evolution Edges Curb Armor™ curb guard is made of a continuous molded piece of special formulated carbide with one of the longest trailing edges offered on the market today.

**SPECIFICATIONS**

- Heavy Duty Carbide Cast Curb Guard
- Proprietary hard surfacing weldment of 1/2" on curb guard facing
- Reinforced bottom wear plate measuring 23.5" in length for greater longevity
- 1.0 inch thickness, allowing for double the amount of contact with the road
- Continuously rounded corners to minimize snow spray and stone fragments from entering the opposing lane

**FOR MORE INFORMATION, CONTACT:**

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