

CUTTING EDGES



JOHN DEERE

JAGZ™ cutting edges

JAGZ interlocking cutting edge systems provide an alternative to conventional, non-interchangeable cutting edges.

JAGZ utilize bolt-on edges common to many buckets and can be mounted in a staggered or straight pattern depending on your application. When mounted in a staggered pattern, you get increased penetration and better bucket fill. The straight pattern leaves a smoother working surface, making it perfect for loading. JAGZ also balance wear by swapping the more quickly worn outside edge with the less worn centers.

In addition, JAGZ maximize usable steel by allowing for up to 90-percent wear before replacement, compared to 50-percent usable steel on conventional bolt-on edges. This flexibility is what makes the JAGZ system stand out from the crowd.





JAGZ Part Number Description

Thickness in mm

25 mm = 1 in.
 35 mm = 1.38 in.
 40 mm = 1.57 in.

0 = Standard 6-in. wide
 1 = Joiner 7-in. wide
 3 = RH end seg. w/ 4-in. offset
 4 = LH end seg. w/ 4-in. offset
 5 = RH end seg. w/ 5-in. offset
 6 = LH end seg. w/ 5-in. offset
 7 = RH end seg. w/ 7-in. offset
 8 = LH end seg. w/ 7-in. offset

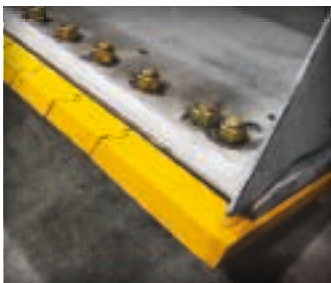
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Bolt Diameter 3-in. Drop

1 = 1-in. Bolt
 2 = 3/4-in. Bolt
 3 = 5/8-in. Bolt

0 = Universal 17 7/8-in.
 1 = Short universal 14 7/8-in.
 2 = Long universal 20 7/8-in.
 3 = Short universal 11 7/8-in.

Easy-to-install JAGZ are guaranteed against breakage and fit any model or make of loader.



John Deere cutting edge warranty

Dura-Max™ and JAGZ™

John Deere warrants all Dura-Max and JAGZ cutting edges against breakage. If a Dura-Max or JAGZ cutting edge should break during use before it wears out, a new edge will be furnished free of charge to the customer.

Note: Attaching hardware or labor for removal and installation are not included.

Warranty

The John Deere parts warranty applies to all cutting edges which may otherwise prove defective in materials or workmanship within 90 days after purchase. This warranty shall not apply to products which have been subjected to misuse, abuse, neglect, or improper storage, handling, or maintenance.





Carbon edges

The standard for cutting edges, these edges are formed from a high carbon rolled steel, made harder by the addition of carbon.

Dura-Max edges

Manufactured with thru-hardened 15B30 boron steel, which is significantly harder than the standard carbon edge. Dura-Max edges are made harder via a heat-treatment process in which the blades are heated to extreme temperatures and then quenched to reach maximum hardness levels.

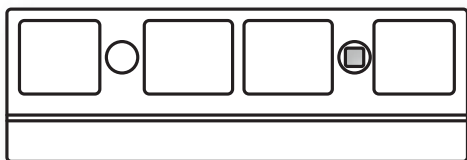


Rockwell C Hardness	
Carbon Edges	25.4–34.7
Dura-Max Edges	38–50



Half-arrow blades

Half-arrow designs offer the benefits of more material in high-wear areas, increased bucket capacity, and enhanced bucket penetration. Maximum depth countersinking allows for optimum wear before the bolt head's failure. The sharpened nose design enables excellent penetration capability and enhanced material flow into the bucket. The combination of half-arrow blades and base-edge covers protects the base edge while optimizing the flow of material into and out of the bucket. This unique design puts more wear material where it is needed most, on the underside of the bucket where abrasion is highest.





Cover Plates

Meet your everyday job solution

Half-arrow edges and segments are built to perform using HighSpec Alloy X14 steel for excellent wear characteristics and superior impact resistance. Half-arrow edges are used to replace the standard double-bevel design commonly used on loaders when no tooth and adapter options are installed. Segments are placed between loader teeth to protect the base edge of the bucket. The half-arrow design offers enhanced protection for the edge and bevel. Combining half-arrow-shaped segments or blades with base-edge covers completely protects the base edge from abrasion.



Blades



Stinger™ grader edges

John Deere Stinger grader edges deliver consistent, reliable performance in a wide range of applications. Stingers eliminate washboarding and potholes, with fewer passes than standard grader blades, as well as decreasing the number of passes necessary to properly maintain a road surface. These tungsten-carbide-tipped cutting tools are stronger than steel, and penetrate hard-packed, gravel, and frozen surfaces easily. Stinger replaceable, rotating, self-sharpening tools wear uniformly and maintain an even cutting height by enabling them to be rotated from position to position.



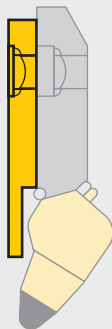


Stingers come in over a dozen tool styles, and fit universally into three blade strengths for a variety of applications:

- **Standard duty** – ideal for light-use grading in average conditions
- **Heavy duty** – useful in most grading environments
- **Severe duty** – best for working in extreme elements

Cover blades

Wear-resistant steel cover blades are available for operating your scarifier system in extremely abrasive conditions or carrying heavy debris loads on the mold-board. These cover blades provide better protection for the blocks and welds, and easily attach through existing boltholes on the blade.



End protectors



End protectors are also available for working in rough conditions. The tough steel, heavy-duty designed end protection bits feature an exclusive combination of ductility and air-hardening steel.

Isolated Carbide Edges (I.C.E.[™]) with Carbide Overlay

Severe road applications call for abrasion-resistant solutions. I.C.E. blades with carbide overlay offer the latest application technology in one advanced blade for motor grader owners. Traditional carbide-edged blades are prone to premature failure in tough, high-impact applications. Our I.C.E. blades withstand blade-edge breakage and damage caused by the harshest road conditions.

Features, advantages, and benefits:

- Combines durable, individually mounted bullet-shaped inserts protected with a layer of wear-resistant carbide granules imbedded in a tough, abrasion-resistant, steel-weld material in one blade.
- Offers maximum blade strength and blade longevity even in the harshest of road applications.
- Features the highest levels of combined blade wear, impact, and fracture resistance.
- Performs effectively to remove snow on roads with embedded lane markers and rumble strips by effectively resisting carbide fractures.
- Improves penetration versus traditional straight-edged designs.



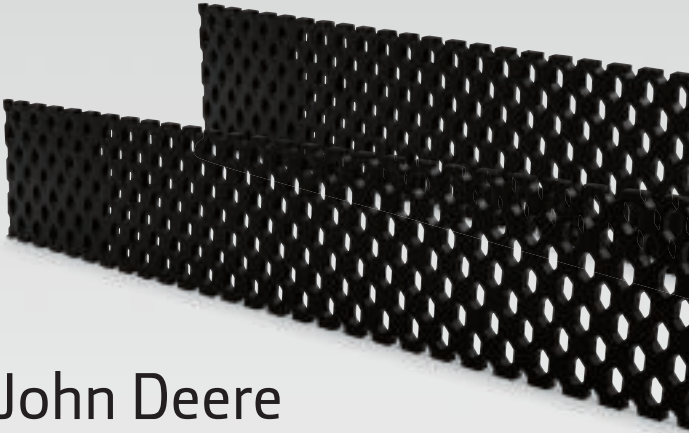
Dual Carbide Edge

The dual carbide edge features two tungsten carbide inserts, specifically designed for high-abrasion and low-impact applications. First insert is formulated with our proprietary macrocrystalline carbide grade for toughness and impact resistance and mounts on the front of the blade. Second insert is made from a wear-resistant carbide grade and mounts directly behind the first insert to resist wear caused by blade down pressure and abrasion.

Features, advantages, and benefits:

- Provides maximum wear resistance.
- Offers the longest lasting blade life span in the industry.
- Exclusive, innovative blade design that outlasts imbedded carbide granule-style blades.
- Features a universal bolt-hole and a variety of available lengths for maximum compatibility.
- Reduces costs associated with replacement part inventory, downtime, labor and overall operations.
- Resists “crowning” and maintains a straighter cutting edge throughout the life of the blade.





John Deere Lattice Edge

Aggressively cut into ice and snow with the John Deere Lattice Edge. This edge is designed to create a rough surface for salt or sand to collect onto the ice and snow. This cutting edge features a Lattice style design across the entire moldboard width and length to allow for full rotatability.





John Deere Serrated Edge

The John Deere Serrated Edge for Skid Steer Loaders and Compact Track Loaders is designed to bring additional versatility to the jobsite. This edge is designed to improve penetration and aggressiveness of a smooth edge and easily hold cut depth while excavating. Additionally, this edge is good for grading and back dragging and can be rotated 180 degrees to be used as a smooth edge if desired.



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