CAT® PERFORMANCE CUTTING EDGE SYSTEM

Performance cutting edges reduce skating and focus the energy on slicing instead of breaking up the material. Ideally suited for tough-to-penetrating materials such as compacted, rocky, or frozen soils where blade penetration is difficult, which in turn results in less ripping. This unique design will provide service life equal to current product without having to flip the edge, resulting in less downtime.

**FEATURES**

- Sharpened, forward-protruding profile cutting edges
- DH-2 steel on center cutting edges; DH-3 on end bits and intermediate cutting edges
- On-plane cutting system

**BENEFITS**

- Superior penetration
- Maximum wear life and breakage resistance for equal wear life across the entire blade
- Superior finishing – dig when you need to, finish when you don’t

**FIELD VALIDATED – OPERATOR FEEDBACK**

- Blade loads easier
- Edges get underneath rocks instead of skating over the top
- Don’t need to use the steering system as much
- Material rolls easily into the center of the blade

**PERFORMANCE SYSTEM PACKAGES**

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**SUPERIOR PRODUCTIVITY IN TOUGH APPLICATIONS**

RESULTS IN 35% LARGER PAYLOAD MASS AND UP TO 17% IMPROVEMENT IN PRODUCTIVITY.

Performance cutting edges provide superior penetration in tough compacted, rocky or frozen soils resulting in big blade loads and less ripping. The shallower angle of the intermediate edges focus the machine’s energy on slicing through the soil rather than breaking it up. That means you can push harder, and because track slip is reduced, undercarriage components last longer.
MATCHED SYSTEM FOR LONG LIFE AND SUPERIOR PERFORMANCE

Performance cutting edges feature shallower angle intermediate cutting edges and sculpted end bits to match. The shallower angle slices the soil rather than pushing it, maintaining the in-situ density of the soil so payload mass is much larger. Matching end bits direct material toward the center of the blade resulting in better load retention and smaller windrows.

ON-PLANE CUTTING EDGE SYSTEM

No more trade-off between dig productivity and finish dozing capability. The performance cutting edge system is designed to provide both.

SERVICE LIFE SAME AS STANDARD FACTORY OFFERING WITHOUT FLIP

The system is designed to have equal wear material as the standard factory offering. That means you can expect the same wear life hours without the need to flip the edges and replace the end bits at mid-life.

- Performance cutting edges are coupled with a thicker traditional style center cutting edge to balance wear equally across the blade.
- Intermediate cutting edges are non-reversible.

BUILT IN WEAR INDICATORS

Blade damage is expensive. If cutting edges are not replaced at the right time, wear continues into the supporting structure underneath and eventually, the base edge will need to be replaced. Performance cutting edges have built in wear indicators so you know when you are approaching end of life. Just take a look during your daily walk around.

INTERCHANGEABLE WITH TRADITIONAL CUTTING EDGES

- No blade modification is necessary, and they use the same hardware as the traditional systems.
- On D7’s and D8’s, the system was designed to be a direct replacement for traditional cutting edges and end bits.
- D6’s traditionally use two cutting edges. In order to achieve all of the performance advantages and maintain balanced blade control, the performance cutting edges are made up of three cutting edge sections – left and right intermediate DH-3 steel sections and a new traditional design DH-2 steel center section. They still use the same bolt holes and the end bits are a direct replacement.

SAFETY

Drilled and tapped holes are provided on all components so you can safely lift the parts into place during installation and removal.
CAT® PERFORMANCE
CUTTING EDGES OVERVIEW

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### Feature
- Sharpened, forward-protruding profile cutting edges
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- On-plane cutting system

### Benefit
- Superior penetration
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- Center Edge: 7T-9126 (STD), 522-3986 (LGP)
- Nut: 2J-3507, 6F-0196
- Bolt: 4J-9058, 5J-4773
- Washer: 5P-8250, 5P-8249

#### D7
- End Bit: 479-8133 (RH), 479-8134 (LH)
- Intermediate Edge: 479-8135 (RH), 479-8136 (LH)
- Center Edge: 107-3363
- Nut: 2J-3505
- Bolt: 6F-0196
- Washer: 5P-8249

#### D6
- End Bit: 479-8137 (RH), 479-8138 (LH)
- Intermediate Edge: 479-8129 (RH), 479-8140 (LH)
- Center Edge: 479-8141 (XL), 479-8142 (XX)
- Nut: 2J-3506
- Bolt: 5J-4773
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