

CAT® GRADERBIT2™ SYSTEM FOR MOTOR GRADERS

RECONDITION CHALLENGING ROAD SURFACES WITH CONFIDENCE

BUILT TO LAST. ENGINEERED FOR EFFICIENCY. READY FOR ANYTHING.

When it comes to road maintenance and grading in tough conditions, performance and durability are non-negotiable. The GraderBit2™ system delivers excellent versatility, extreme wear life, and fast, toolless maintenance – all designed to keep your operation moving with fewer changeouts and lower operating costs.

Whether you're battling abrasive materials, harsh climates, or demanding jobsite timelines, GraderBit2™ is a system that uses individual bits instead of a continuous blade. This system isn't just tough – it's smart, efficient, and built for the long haul.



BENEFITS

Versatility to Match Any Jobsite

- Works effectively in extreme applications – from high-speed grading with SnowBit™ to secondary road maintenance.
- Angle plates allow for a cast angle range from 0 to 30 degrees in 5-degree increments. This helps reduce erosion of the bit's body, which can cause premature failure of the bit's carbide.

Low Total Cost of Ownership

- Reusable adapter boards and fewer bit changeouts translate to significantly lower GET (Ground Engaging Tools) cost per hour.
- Reduced need for additional road passes, cutting down fuel and labor costs.

Fast and Easy Maintenance

- Full bit set change takes under one hour, reducing downtime.
- No tools required for bit changes due to the linchpin retention system.

Long-Term Durability in Harsh Conditions

- Adapter boards and bits resist wear even under high heat or aggressive terrain.
- ARM (Abrasion Resistant Material) compatibility and anti-washout engineering extend system life in the harshest environments.

FEATURES

Extended Wear Life

+ Up to 20X longer bit life compared to cutting edges, reducing replacement frequency and increasing uptime.
+ Dual carbide inserts offer increased extended wear life in narrow and wide bit sizes.

Advanced Adapter Board Design

+ Grooved adapter fronts reduce material-on-iron wear by allowing debris to pack between grooves.
+ Boards are designed to support up to 5 full sets of bits before end-of-life replacement is required.
+ Each bit bore has a pressed bronze bushing that reduces board damage during extreme operations. If a bushing is damaged, it can be replaced to extend board life.

Toolless Bit Retention System

+ Innovative linchpin retention system snaps around the pin for secure, no-tool installation and removal of bits – speeding up maintenance.
+ 8 different bit options in 5" increments allow for optimal blade positioning.

Flexible Angle Plate System

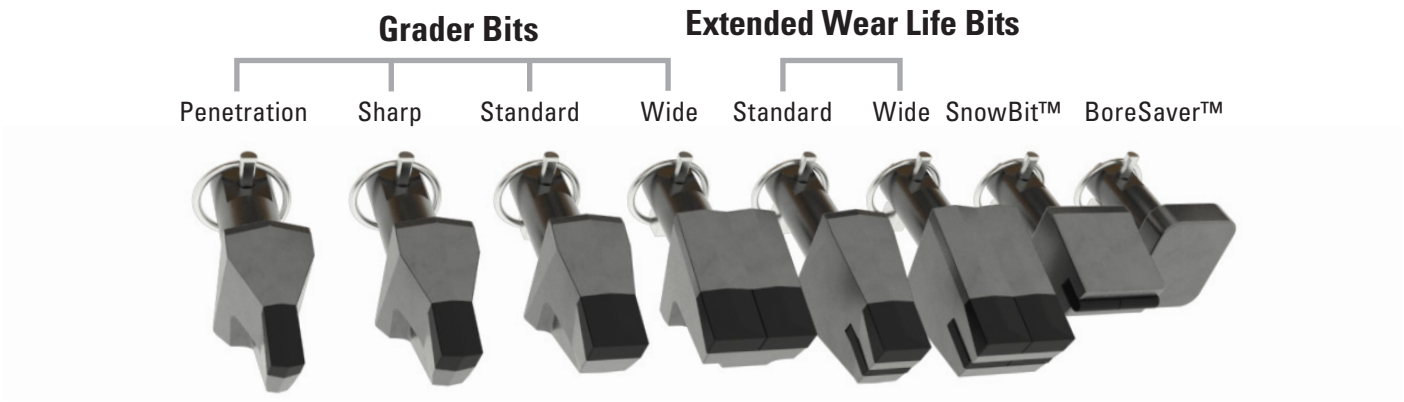
+ Compatible with a wide range of blade angles, up to 30°, using angling plates with ±10° tolerance.
+ Angle plates prevent the bits from rotating and keep the bits facing the direction of travel as the blade is set to cast material to the side.

WHY IS THE GRADERBIT2™ SYSTEM A SMART CHOICE?

Because it adapts to your job, not the other way around. With multiple bit designs and configurations, the GraderBit2™ system is built for flexibility across a range of applications. Choose from 8 unique bit profiles that can be configured into a continuous edge, or 10 different serration patterns designed to allow efficient pass-through of 15mm to 60mm aggregate – perfect for reducing material carry and increasing grading efficiency.

Need performance in winter? There's a specially engineered SnowBit™ available for snow removal on both paved and secondary roadways.

From summer roads to snow-packed routes, this system is ready when you are.





PARTS.CAT.COM

Search for and order genuine Cat® parts, and instantly find answers to maintenance and parts questions. Plus, get parts when you need them most with dealer pickup and delivery options.



CUSTOMER VALUE AGREEMENTS

Keep your Cat machines and engines ready to work with a flexible, hassle-free plan for parts delivery, service, data access and more. CVAs are available for your new and not-so-new Cat machines and engines.

PEDJ1568
www.cat.com

© 2025 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.