

Cat® Scraper GET Options

For Open Bowl, Elevating Scrapers & Auger Scrapers



Cat® scraper cutting edges and router bits are designed as a balanced system to move more material over a longer period with less downtime—which translates into lower cost per hour for you. Even though other manufacturers may use Cat part numbers for their Ground Engaging Tools (GET), there is a significant difference.

Using other GET on your Cat equipment can impede penetration, elevate fuel usage, decrease production and increase your cost per hour. Cat GET offers the best value and cost per hour for your Cat equipment.

Cat cutting edges and router bits feature:

- **Through-hardened DH-2™ and DH-3™ Steels**—for great strength, maximum wear life and superior breakage resistance
- **Optional Systems**—to match the application and maximize your cost per hour
- **Deep Countersinks**—for long-lasting bolt protection, ensuring a tight fit for your GET
- **Edges in Sections**—for easy handling, storage, installation and turning (propellering)
- **Caterpillar Warranty**—guaranteed against breakage in normal operation

Caterpillar. The difference counts.™

Cat Dealers define world-class product support. We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

CATERPILLAR®

Cat Scraper GET Options



Cutting Edge Configurations for all Scrapers

- Stinger arrangement—standard for most scraper applications, good penetration, and efficient material flow into the bowl
- Level-cut arrangement—used for finish work or high-impact loading where stinger breakage is a problem.

Caterpillar Offers a Wide Range of GET for your Scrapers

- Cutting edges—standard, ARM and serrated edges rolled from DH-2 steel and through-hardened for strength and wear resistance
- Router bits—standard, heavy duty, ARM and level-cut bits made from DH-2 steel and guaranteed against breakage
- Elevating scraper parts—flight assemblies, chains, sprockets, rollers and idlers
- Elevating scraper parts kits—one kit includes chains, sprockets, appropriate sprocket hardware and appropriate flight assembly hardware. The second kit includes flight assemblies only. Conveniently packaged for transportation and delivery, these kits make ordering easy.
- Auger scraper parts—cutting edge, auger shoes, steel wear plates, plastic liners. For use on all auger scrapers.

Abrasion-Resistant Material for Extended Wear

All Cat router bits and cutting edges can be custom ordered with Cat abrasion-resistant material (ARM), which is recommended for applications where sand, gravel or other materials severely diminish wear life. Hard tungsten carbide particles are bonded to critical wear areas, providing up to five times greater wear life than similar end bits and cutting edges without ARM. See your Cat dealer for details.

Installation Tips

It is extremely important to keep all hardware tight. Loose or missing bolts can cause hardware failure, increasing downtime required for maintenance.

Prolonged operation with loose hardware can cause bolts to elongate mounting holes in the support. This makes it difficult to keep hardware tight.

To ensure tight hardware:





- Use new bolts and nuts when installing new router bits and cutting edges—old bolts may have suffered metal fatigue
- Surfaces must be clean of dirt, paint, scale, rust and weld splatter
- Mating surfaces must be clean and flat to assure maximum clamping force
- Bolt and nut threads must be clean—do not apply lubricant to the hardware, as this may over-stretch the bolt
- Cutting edge bolts are installed from the center outward or from one end to the other—do not install from both ends toward the center
- Router bit bolts are installed first from the center outward, then from the center inward
- Tighten all bolts to the required torque
- Wearing safety goggles, seat bolt heads in the countersinks with a heavy hammer
- Tighten the bolts again to required torque

Matched Strength in Hardware

Cat router bit and cutting edge hardware meets or exceeds requirements for SAE Grade 8 threaded fasteners. Bolt heads are dome-shaped for added strength and wear resistance. Nuts are through-hardened to match bolt strength. Cat Grade 8 nuts and dome head bolts have a minimum proofload of 120,000 psi (830 Mpa) and a tensile strength of 150,000 psi (1,035 Mpa).

Router Bits

Caterpillar router bits help prevent wear and costly damage to the scraper bowl. All router bits are forged DH-2 steel and through-hardened to prevent breakage and prolong life.

Standard Router Bit Available for all models.	Heavy Duty Router Bit 45% more wear material than the standard router bits.	ARM Router Bit Available for virtually all models in high abrasion, low impact applications.	Level Cut Bit Used for clean-up work and keeps material in front of the cutting edges.
			

Cat Scraper GET Options

Caterpillar Offers a Complete Line of Scraper Center and End Cutting Edges

Standard center and end-cutting edges

- For use on all scraper models (open bowl, auger and elevating scraper)
- Used in low-to-medium abrasion and low-to-high impact conditions
- Available in various thicknesses and sizes for both stinger and level-cut arrangements
- Can be reversed or propellered for prolonged edge use and improved cost per hour

ARM center and end cutting edges

- For use on all scraper models (open bowl, auger and elevating scraper)
- Used in medium-to-high abrasion and low-to-high impact conditions
- Available in various thicknesses and sizes for both stinger and level-cut arrangements
- Can be reversed or propellered for prolonged edge use and improved cost per hour

ARM serrated center cutting edge

- For use on 620, 630 and 650 Series Scraper (open bowl, auger and elevating scraper)
- Used in medium-to-high abrasion and medium-to-high impact conditions where increased penetration and aggressive digging action is required
- Available in various thicknesses and sizes for both stinger and level-cut arrangements
- Edges can be reversed or propellered around for prolonged edge use and improved cost per hour

Integrated tooth center cutting edge

- For use on 623 and 633 Elevating Scraper, and 620 Series Auger Scraper
- Used in low-to-high abrasion conditions for improved penetration in medium-to-high impact conditions
- Include cast-in-place adapters, which accept pin on tips

Bolt-on adapters

- For use on Elevating Scraper 613, 615, 623 and 633
- Used in low-to-high abrasion conditions and low-to-medium impact conditions when improved penetration is needed
- Bolt-on adapters accept pin-on tips

Special serrated cutting edges

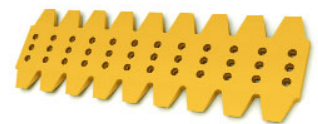
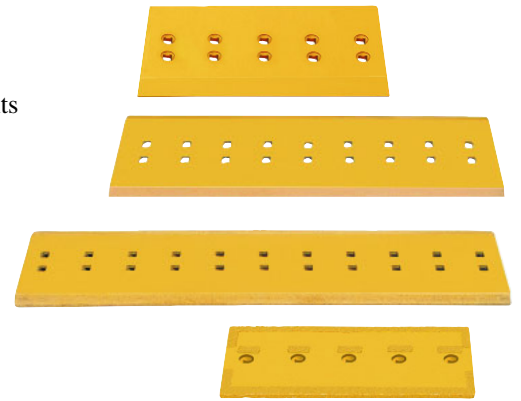
- For site-specific applications and conditions
- Use on 620, 630 and 650 Series Scraper (open bowl, auger and elevating scraper)
- Custom-designed edges have sharp teeth for low-to-medium abrasion and low-to-medium impact conditions

Sidebowl Protectors

Sidebowl protectors are available in two styles: Bolt on sidebowl protectors and pin on sidebowl protectors.

Bolt on style takes a weld on adapter plate that accepts the bolt on sidebowl protector. This available for 620, 630 and 650 series scrapers.

Pin on style takes a weld on adapter plate that accepts the pin on sidebowl protector. This is available for 620, 630 and 650 series scrapers.



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Caterpillar Warranty

Cat router bits and cutting edges are guaranteed against breakage. If a component breaks during normal operation, it will be replaced free. The warranty is subject to certain terms and conditions. See your Cat dealer for details.

Caterpillar offers parts for 613, 615, 623 and 633 Elevating Scraper

- Flight assemblies
- Chain assemblies
- Sprockets
- Idlers and idler groups
- Rollers and roller groups



In today's competitive environment, machines must operate efficiently. Inspections identify problems that cause machines to burn more fuel and shorten component life.

Two Parts Kits are available for your 613, 615, and 623 Elevating Scraper:

- Parts kit with flight assemblies (hardware not included)
- Parts kit with chain assemblies, sprockets, appropriate sprocket hardware and appropriate flight assembly hardware. Conveniently packaged for transportation and delivery, the kits make ordering easy.



Auger Parts for 620, 630 and 650 Series Auger Scraper:

Plastic liners

- For use in low-to-high abrasion, plastic liners prevent sticky material from building up on the auger.



Steel wear plates

- For use in medium-to-high abrasion and medium-to-high impact conditions to protect the auger surface.



Standard auger shoe

- For use in low-to-medium abrasion and low-to-high impact conditions where accelerated wear is not a problem.



Tungsten carbide auger shoe

- For use in medium-to-high abrasion and medium-to-high impact conditions where accelerated wear is a problem.



Auger cutting edge

- For use in low-to-high abrasion and low-to-high impact conditions.



For more information, see us today or visit our Web site at www.cat.com

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