

Cat® Backhoe Loader Options



Making a difference

Whether you're digging, trenching, backfilling or handling material, Backhoe Loader rear buckets are equipped with Diagonal Retention System (DRS) tips and adapters made from DH-2™ steel and designed to ease the exchange of tip replacement without the need for special tools, even when there is tight clearance between tips.

Selecting the correct tips, adapters and buckets for the job can lower replacement costs by optimizing wear material and significantly improving machine performance. DRS tips and adapters are designed for longer life and easier serviceability.

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.

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Cat Backhoe Loader Options

DRS Tips

DRS tips feature a 40°-pin angle, which provides easy access to the pin even when the teeth are located very close together. Quick and easy installation and removal as well as the aggressive tip penetration increase productivity while the solid pin and metal retainer support higher loads.

DRS230

DRS200



Chisel tip—get excellent performance using this flat-bottom tip in moderate impact, high-abrasion applications, general excavation or areas where a square trench is required for footing, stem walls or a clean trench floor.



Long tip—curved for optimum penetration and recessed at the top and bottom for improved self-sharpening, use this tip for trenching and general excavation in low-to-moderate impact applications.



Twin sharp tip—get superior penetration with this special application tip, which is more resistant to inside-out-load breakage and used where the greatest fracture capability is needed.



Sharp tip—curved for excellent penetration, use this tip when penetration is more important than wear life.



Wide tip—increase capacity with less spillage when working in cohesive materials where penetration is not a concern. This tip has more wear material at the front ends, which keeps corners square.



Penetration (previously impact) tip—curved for maximum penetration, wide to improve coverage in corners and sharper than previous DRS, use this tip in moderate to high-impact applications.



Soil-digging tip—improve productivity in hard-soil conditions or use this tip in non-abrasive, low-impact applications. It penetrates easily using less force. To maximize productivity add down angle adapters.

Tip Not Available as DRS 200

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DRS Adapters and Retention Systems

- DRS 230 Adapter



- DRS 200 Adapter



- DRS 230 Retention System

The retainer assembly consists of a metal retainer that keeps the solid pin tight in place after installation and a rubber holder that centers the metal retainer during the assembly process. It is necessary to replace the solid pin and retainer each time a tip is replaced. The pin may bend and the retainer may lose its clamp force with use. In order to insure proper retention of tips, it is critical that both are never reused.

During installation of the retainer assembly, the exposed metal ring must face the inside of the counterbore on the bottom of the adapter. The cap should be facing outward and clearly visible.



- DRS 200 Flex pin

When installing the one-piece retention system, make sure the groove on the pin is facing the front of the adapter to insure proper usage.



Bolt-on Edges

- Flat edge maintains a smooth floor and also increases bucket capacity.
- Outstanding base edge protection guards against bucket damage and wear.
- Edges can be “propellered” to present a second wear surface.

Recommended for applications where teeth are not needed or desired.



Cat Backhoe Loader Options

J Series

- Weld-on flush-mount adapters
- Bolt-on uniteeth
- Bolt-on two strap adapters
- Weld-on bottom-strap adapters
- Weld-on two-strap adapters



J Series

Tip options

- Penetration
- Short
- Long
- Abrasion
- Wide
- Sharp

J Series Retention System

- J200 Pin & Retainer
- J225 Pin & Retainer



What to consider when using buckets

Matching the bucket to the right job application is just as important as selecting the appropriate tip. Rear backhoe loader buckets featuring DRS tips and adapters are specifically designed for a variety of applications.

Standard-duty buckets – for use in excavating and digging in light construction or landscaping in soft soil or clay material.

Heavy-duty buckets – for use mostly in semi-rocky conditions or conditions requiring breaking out and removing hard bank material.

Heavy-duty rock bucket – for use in harsh, rocky conditions requiring digging in granite, caliche and rocky soil.

High capacity buckets – for use in lower density soil or materials. These buckets move a greater volume of material and are just as durable as heavy-duty buckets.

Coral buckets – Coral buckets-for use scraping out and trenching coral rock conditions, these buckets are designed with reinforcement and 80 percent more DRS teeth than the other buckets.

What to Consider When Choosing Tips

Cat bucket tips come in diverse shapes and sizes, but choosing a tip is easy. Just consider impact, penetration and wear to determine which tip is the best one for the job.

Impact

Choose tips with the ability to withstand penetrating shocks, extensive digging and extreme breakout forces.

Penetration

Make sure the tips will penetrate tough material whether it's rocky, hard-packed or frozen. It's important to remember that sharp tips should only be used when penetration is more important than wear life.

Wear

Select the tip that will withstand wear, gouging and abrasive action associated with material handling.

Caterpillar® GET Warranty

Using Ground Engaging Tools (GET) assures top quality. Cat warrants most GET against breakage during normal operation. If a Cat GET breaks, Caterpillar will replace it at no charge. See your Cat dealer for complete warranty details.

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

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