

Advanced Forest Equipment

The Original forestry disc mulcher for excavators.



Engineered by Contractors, FOR Contractors!

Forestry Disc Mulchers

Advanced Forest Equipment

is a manufacturer of professional grade forestry disc mulcher attachments for excavators.



**AFE RDM58EX
Forestry Disc Mulcher**

www.Advancedforest.com

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Excavator Forestry Disc Mulcher

Excavator disc mulchers are ideal for reclaiming and deforestation, particularly in steep areas like riverbanks, power lines, pipelines, and railroad right of ways. Excavator mounted mulchers can be used on steeper slopes, greater than 30%, or where it is important to minimize soil compaction. The excavator does not need to travel everywhere it is mulching, which is an advantage over the other machine forms.

RDM58EX

The RDM 52EX can handle thick undergrowth and trees up to 18 inches in diameter.

Made for
30 to 50
Ton machines



Overview:

The RDM excavator mulchers are the most versatile, efficient and advanced forestry mulcher heads in the industry. Rotary Disc Mulcher (RDM) Technology is much more than a spinning disk with cutting teeth. The secret to this proprietary technology is the innovative design which transfers maximum power to the attachment using only the existing hydraulics of the carrier. This results in a mulching attachment that can handle thick undergrowth and trees up to 18 inches in diameter without binding or clogging.

Features:

Steel mounting system is rugged allowing you to pick your excavator up and turn on a dime. We build the RDM excavator mulchers to match your current thumb and quick coupler.

Ease of Maintenance:

1. There are no belts, pulleys or sheaves.
2. Our systems are direct drive, which means that the power goes directly into a bearing box which transfers all the power to the cutting disc.
3. The bearings are oil bathed for continuous lubrication and cooling.
4. The drive shafts are heat treated and ground for precision fit.
5. We have a rubber safety coupler between the hydraulic motor and bearing box to protect from damage.

Performance:

You can mulch an overgrown road and restore it back to nearly new. This is the most versatile and advanced mulching attachment in the industry! RDM excavator mulchers are designed to match the hydraulic motor to your carrier's fluid flow, which ensures the best possible performance. The RDM excavator mulchers are the only mulchers that feature a Digging Spade feature in the industry. This helps improve productivity by allowing the operator to dig and move material while having the mulcher attached to the excavator.

The unique reduction shroud design, the direct drive system and the 58" diameter 1 1/4" thick cutting disc carry the inertia through the cut and forces the material into the fixed cutting teeth. Material will be cut and pulled into the reduction shroud system resulting in a one step process. The RDM Excavator mulchers allow the operator to see the cutting teeth as they engage with the material they are mulching; this allows the operators to avoid foreign materials that could be a potential safety hazard.



No extra power packs!

Our RDM technology transfers more power to the attachment, eliminating the need for expensive extra hardware.



Works fast and Efficient!

RDM forestry mulcher owners report as much as 40% increases in their productivity. That is great for the land, good for your customer, and your bottom line!



Digging Spade Feature

The ridged steel mounting system is so rugged that it allows you to pick your excavator up and turn on a dime. It also showcases our Digging Spade feature which is designed to load logs, pull out tree stumps and aids when moving the excavator. You can mulch an overgrown road and restore it back to nearly new. This is the most versatile and advanced mulching attachment in the industry!



Specifications RDM58EX Mulcher



BENEFITS:

Durability: Tough, rough and built to last. All handcrafted, tested and made with the best materials.

Visibility: Greater visibility allows the operator to see the material as it engages with the cutting disc and avoids foreign objects.

Productively: Can mulch up to 18" depending on hydraulic flow of carrier.

FEATURES:

Bearing Box: Custom built, ROBUST, TOUGH and DURABLE. This is the heart and soul of this mulcher! Each bearing box is tested prior to shipping.

Hydraulic Motor: Rexroth hydraulic bent axis piston motor.

Cutting Disc: 58" in diameter; Made of Weldox 700, T-1 steel.

Reduction Shroud System: Acts like a vacuum and moves the material into the cutting teeth which enhances grinding.

Cutting Teeth: Comes with beaver teeth, carbide thumbnail teeth and carbide bullet teeth.



Maximize Mulching Power & Production!!

The RDM Series is built contractor tough! The ridged steel mounting system is so rugged that it allows you to pick your excavator up and turn on a dime. It also showcases our Digging Spade feature which is designed to load logs, pull out tree stumps and aids when moving the excavator. You can mulch an overgrown road and restore it back to nearly new. This is the most versatile and advanced mulching attachment in the industry!

SAFETY FIRST REMINDER: Do not run any mulching attachment on an open cab machine or on a carrier with tempered glass front window. An Approved Polycarbonate window is required when operating any mulching attachment. We highly recommend utilizing other enhanced safety guarding such as cab guards and steel front window screens. Please call us for more information regarding enhanced safety guarding. Advanced Forest Equipment is not responsible for misuse of attachment. DO NOT operate mulching attachment while anyone is within 300 ft. Photos might not show safety equipment installed, call Advanced Forest Equipment for questions about safety products.

RDM58EX Mulcher Specifications

Hydraulic Flow	90 to 110 GPM
Hydraulic Pressure	Up to 6,000 PSI
Hydraulic Motors	Bent axis piston hydraulic motor (European with 1-year warranty); Anti-Cavitation mounted directly on the hydraulic motor ensuring better protection and cleaner hose mounting
Bearing Box	Oil bath bearing box, synthetic oil, bearings are self-aligning, heat treated 5 inch shaft, Direct Drive System with no pulleys.
Cutting Disc	Made of Weldox 700 T-1 steel (30% stronger than mild steel), 1 1/4 inch thick, 58 inches in diameter.
Cutting Teeth	(25) Beaver Teeth, (52) Carbide Thumbnail Teeth, (8) Carbide Bullet Teeth
Mounting	Manufactured to your mounting system; pin mount or quick coupler
Case Drain Line	Case Drain Line Required, MIN. 5/8" (Not Included)
Hoses	Requires 1" hydraulic hose rated for 5,000 PSI. (Hoses are not included)
Digging Spade Feature	RDM Series are designed with a built in digging spade feature that has replaceable teeth allowing for digging, movement of material, and aiding in movement of the excavator
Excavator Size	30 to 50 ton machines
Weight	4,200 to 6,400 lbs (Pending Mounting System)
Productivity Size	Productive up to 18 inches in diameter, depending on hydraulic flow
Disclaimer	Specifications may change at anytime

Tooth Configuration

Beaver Teeth

5 inside the shroud, 12 on perimeter, & 8 on top of disc. The Beaver Tooth has straight edges, is durable, and can be re-sharpened right on the blade. **TIP:** Rotating beaver teeth increases wear life.

Carbide Thumbnail Teeth

24 teeth bottom of disc & 24 teeth on top of disc. The Carbide Thumbnail Tooth is designed for durability and placed at the bottom of the cutting disc to handle the tough environment.

Carbide Bullet Teeth

8 on bottom of disc. The Carbide Bullet Tooth is a medium efficiency extension cutting tooth that holds up well in rocks and helps grind stumps further in the ground. The use of extension teeth like the Carbide Bullet Tooth can result in material being thrown greater distances.



About Us:

Having spent nearly 37 years in the land clearing business, our founder was tired of losing valuable time fixing broken down mulchers. Inspired to make work easier he decided to design and build a forestry mulcher that was tough, efficient, durable and easy to maintain. Not long after, the word got out about this revolutionary design and the orders started coming in. Today we have mulchers all over the world on various carriers all with the Advanced Forest Equipment name proudly displayed!

Unlike other attachment manufacturers, Advanced Forest Equipment has dedicated its years of experience in the forestry mulching business to develop a product line that continually outperforms other mulcher designs. Our equipment is not designed in a lab, but in the field under the same harsh conditions that you face daily. Our product line includes 3 skid steer disc mulchers featuring the Original Disc Mulcher for skid steer the SS Eco Mulcher, as well as multiple excavator mulchers know as the RDM Series. The RDM Series Mulcher is the only mulching attachment for excavator in the world to feature our Digging Spade Feature, allowing you to get more done with less down time. We continue to use our history of using leading edge technology and innovative design to provide land clearing solutions.

Advanced Forest Equipment, Inc. was established to meet the needs of the mulching contractor whether you have a fleet of machines or one machine just getting started. Our custom-built bearing box and top of the line components mean that an Advanced Forest Equipment disc mulcher will stand up to the harshest work, day in and day out.

Here at Advanced Forest Equipment, we have the contractor advantage! All our products are designed and manufactured in our facility; to our standards and tested to ensure that they meet our expectations before ever going into the field. We are located in beautiful Rathdrum, Idaho, USA. Simply put our attachments are Engineered by Contractors, for Contractors!



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