

## Advanced Forest Equipment

The original forestry disc mulcher for skid steers.



Engineered by Contractors, FOR Contractors!

# Forestry Disc Mulchers

## Advanced Forest Equipment

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



**AFE SS Eco  
Forestry Disc Mulcher**

[www.Advancedforest.com](http://www.Advancedforest.com)

**866.772.0999**

# Skid Steer Forestry Disc Mulcher

Advanced Forest Equipment Inc. is a manufacturer of high-performance disc mulching attachments for excavators and skid steers, having designed the Original Disc Mulcher for Skid Steers. Today we offer three different models of skid steer disc mulcher.

## SS Eco Forestry Disc Mulcher

The Original Disc Mulcher for skid steers **the SS Eco**



Made for  
**32 to 45**  
GPM Skid Steers



**130CC Sunfab bent axis piston hydraulic motor.**



**1,000 hours between bearing box oil changes!**



**Reduction Shroud system, a unique design that forces material through the shroud and into fixed cutting that results in instant fresh, clean mulch.**

### Overview:

The Original Disc Mulcher for skid steers the SS Eco, it's the most popular of our skid steer mulcher line. Powered by a 130cc bent axis piston hydraulic motor through our custom-built direct drive bearing box the SS Eco's 58" cutting disc will make short work of any mulching job.

**Reduction Shroud System:** The unique design of the reduction shroud system forces the material into the fixed cutting teeth which then allows you to mulch and re-mulch if you desire.

**Direct Drive System:** The direct drive system is custom built with crusher style bearings and a heat treated tapered 4" drive shaft. We utilize a huge 130cc fixed displacement bent axis piston hydraulic motor which is coupled to a 10" rubber drive coupling to isolate the shock load transmitted thru the bearing box. The bearing box is fully submerged in an oil bathed system with an expansion chamber to keep the oil level constant at all times for longer bearing wear. We also utilize a large drive hub mounted to the disc which matches to the taper shaft with a double locking fastening system.

**Ease of Maintenance:** There are no belts, pulleys or shivs; our systems are direct drive, the power goes directly into a bearing box transferring 100% of the power to the cutting disc. We have a rubber safety coupler between the hydraulic motor and bearing box to protect from damage.

# Specifications SS Eco Forestry Disc Mulcher



## Features & Benefits:

- 130cc Sunfab bent axis piston hydraulic motor for consistent power.
- Oversized rubber isolator coupling to prevent shock loads from reaching the motor.
- Custom built oil bathed bearing box with crusher style Self-aligning bearings and a 4" heat treated tapered shaft delivers for power and longevity.
- Reduction Shroud system, a unique design that forces material through the shroud and into fixed cutting that results in instant fresh, clean mulch.
- With no belts, pulleys, sheaves, or grease points to maintain down time is drastically reduced.
- 1,000 hours between bearing box oil changes!

## Standard Tooth Configuration:

**Beaver Teeth:** 8 on top, 14 on perimeter. 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:** 20 teeth bottom, 20 holders top, 20 holders bottom. The Carbide Thumbnail Tooth is designed for durability and placed on the bottom of the cutting disc as the primary mulching tooth.

**Bottom Tooth Holder Delete Kits:** Included to cover self-locating extension tooth mounting locations.

## OPTIONAL EXTENSION TOOTH COMBO KIT

This kit is recommended for more aggressive mulching. It includes (7) self-locating tooth holders, (6) carbide bullet teeth and (6) carbide faced shark teeth. The disc is machined with (6) counter-bored locations designed to accept this holder. The Extension Tooth Combo Kit is recommended at the time of purchase but can be added later.

**Shark Tooth:** High- efficiency extension cutting tooth, not recommended for use in rock.

**Bullet Tooth:** Medium- efficiency extension cutting tooth that holds up well in rock conditions. The use of the bullet tooth can result in more material being thrown at greater distances.



Beaver Tooth      Carbide Thumbnail Teeth      Tooth Holder Delete Kit



Carbide Bullet Extension Tooth      Shark Extension Tooth

## SS Eco Forestry Disc Mulcher Specifications

Hydraulic Flow	32 to 45 GPM for the 130cc motor.
Hydraulic Pressure	Up to 5,000 PSI.
Hydraulic Motors	130cc Bent Axis Piston Hydraulic Motor (European with 1-year warranty) Anti-Cavitation production, 1-inch supply line from the ant-cavitation manifold to the hydraulic motor.
Bearing Box	Oil bathed bearing box, synthetic oil, bearings are self-aligning, heat treated 4-inch shaft, Direct Drive System with isolator coupler.
Cutting Disc	Made of Weldox 700 T-1 steel (30% stronger than mild steel), 1 ¼ inch thick, 58-inches in diameter.
Cutting Teeth	(26) Beaver teeth; (20) Carbide thumbnail teeth; (6) Bottom tooth holder delete kits.
Expandable Cutting Tooth System	ALL standard cutting discs come with 6 provisions for the self locating expandable cutting tooth system. This is where shark teeth and carbide bullet teeth can be added to aid in more aggressive mulching.
Mounting	Adapter plate is a universal skid steer mounting plate.
Case Drain Line	Case Drain Line Required, MIN. 5/8". (Not included).
Reduction Shroud	81" Across, includes 4 fixed teeth.
Productivity Average	Trees up to 12" productivity, depending on hydraulic flow of carrier.
Dimension	53" Height x 81" Width x 67" Depth. (Mulcher measurement).
Weight	2,535 lbs
Hoses	Hoses are not included.
Disclaimer	Specifications may change at anytime.



**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.



## 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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