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### Why the SS ECO

The SS ECO is the most popular of our product line, dominating the skid steer market for mulching attachments. The price is a winning feature of this product. Another unique feature of this mulching attachment is the operator can see the cutting teeth engaging the material as you mulch, allowing the operator to guide the material to the top of the cutting disc. This allows the operator to see foreign debris, materials, rocks and wires preventing them from entering the mulching attachment.

### 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.

### Performance

What makes the SS ECO such an advanced mulching attachment is the unique design of the reduction shroud system, the direct drive system and the 58" diameter 1-1/4" thick cutting disc carries the inertia through the cut. The unique reduction shroud design forces the material through the reduction shroud system forcing the material into the fixed cutting teeth. Material less than 5" in diameter is cut and pulled into the reduction shroud system resulting in a one step process.

### Drive System

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 bearing box. Our direct drive bearing box is custom built with crusher style bearings and a heated treated tapered 4" drive shaft. This is all submerged in a oil bathed system with an expansion chamber keep the oil level constant at all times for longer bearing wear. We also utilize a large drive hub mounted to the disc which couples to the taper shaft with a double locking fasting system..

### SS ECO SPECIFICATIONS

|   |   |
|---|---|
| Weight                                  | 2,535 lbs   |
| Cutting Disc Diameter                   | 58" Weld Ox 700<br>30% stronger than mild steel   |
| Dimensions                              | 84" L x 72" W x 53"H  |
| Hydraulic Flow                          | 30 to 45 gpm  |
| System Pressure                         | To 5,000 psi  |
| Reduction Shroud                        | 81" Across, includes 4 fixed teeth in side shroud   |
| Anti-Cavitation                         | Anti-Cavitation Protection, 1 inch supply line from the Anti Cavitation manifold to the Hydraulic Motor   |
| Motor                                   | 130cc bent axis piston hydraulic motor (European with 1 year warranty)  |
| Production                              | Softwoods up to 10" productively, depending on hydraulic flow of carrier  |
| Cutting Teeth                           | (26) Beaver teeth<br>(20) Carbide thumb nail teeth<br>(6) Bottom tooth holder delete kits.<br><br>Beaver teeth on top and perimeter of cutting disc. Thumb nail teeth are on the bottom of the cutting disc. Beaver teeth may be sharpened for longer life. |
| Expandable Cutting Tooth System         | We made provisions to add up 60 more carbide teeth and 6 extension for more aggressive mulching   |
| Bearing Box with 4" heat treated shaft. | Oil bath bearing box, synthetic oil, bearings are self aligning Direct Drive System with isolator coupler   |
| Adapter Plate                           | International skid steer mounting plate   |
| Case Drain Line                         | Case drain line required, minimum 5/8"  |
| Hoses                                   | Hoses are NOT included  |
| Disclaimer                              | <b>Specifications May Change at Any Time</b>  |

#### Safety First Reminder!

Do not run any mulching attachment on an open cab machine or on a carrier with tempered glass front window.

We highly recommend utilizing a polycarbonate window when operating any mulching attachment.

Other safety equipment such as cab guards and steel front window screens are also recommended in the Forest Industry.



The only mulching attachment featuring RDM Technology™

Engineered by Contractors ~ For Contractors

# Expandable Cutting Tooth System

Our cutting disc is designed with an expandable cutting tooth system. This allows the operator to configure the cutting disc with whatever is most suitable for the material and ground they are working in. We recommend our standard configuration for operators to get used to operating the attachment with their carrier. More teeth can be added for more aggressive mulching.



Figure 1. Shark extension tooth

## Extension Cutting Teeth - Optional

*Optional Extension Teeth Use the Same Type of Holder*

Tooth types can be mixed as long as the same tooth is 180 degrees of each other. A bottom tooth holder delete kit must be in place when operating without the extension teeth & holders.



Figure 2. Carbide bullet extension tooth

**Shark Tooth** -figure 1, is a high efficiency extension cutting tooth. Not recommended for rock.

**Carbide Bullet Tooth**, figure 2, is a medium efficiency extension cutting tooth. It holds up good in rock but throws material more than the shark tooth.



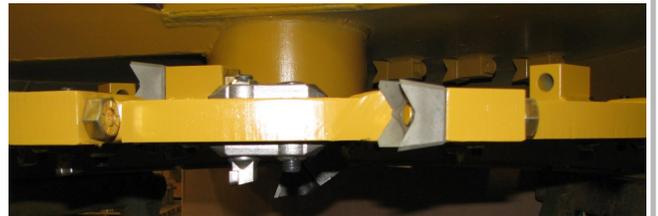
Figure 3. Carbide thumbnail teeth.

## Carbide Thumbnail Teeth - Standard

The disc comes with 20 carbide thumbnail teeth and 40 holders, figure 3, installed in every other location. The disc is drilled so additional carbide thumbnail teeth and holders can be installed. The cutting edge of the tooth can be on top of the disc, bottom, or top & bottom of disc. Up to 60 additional carbide thumbnail teeth can be added.

## Beaver Teeth - Standard

The mulching attachment comes with 26 beaver teeth. There are 14 teeth on the perimeter of the disc, 8 on top and 4 inside the shroud. The teeth can be rotated and sharpened for longer life.



## **STANDARD FACTORY TOOTH CONFIGURATION**

