

**ALAMO INDUSTRIAL**  
*Specifications*  
**Super Heavy-Duty Flail 74"**

Vendors Spec

**MOWER HOUSING:**

**UNITIZED CUTTER HOUSING:** The top of the cutter housing shall be 10-gauge steel and the end-plates shall be 5/16" thick steel. The end plates shall have bearing guards. The unit shall also have replaceable skid shoes.

**CUTTER SHAFT:** The cutter shaft shall be balanced, 4-1/2" in diameter, and have a 5/16" thick wall with 4-rows of knives. The knife tip speed shall be 8900 FPM. Mounting provides anti-jamming seal. (Rubber shock mount not acceptable.)

**CUTTER SHAFT BEARINGS:** The 1-15/16" cutter shaft bearings shall be greaseable, sealed, self-aligning and rated at 3300 lbs. The bearings shall be attached to the housing with 6, grade 5, 3/8" bolts. Bearing flange may be used as bearing puller. Pillow block bearings are not acceptable.

**REAR ROLLER:** The rear roller shall be 6" in diameter with a 1/4" wall. It shall be a full-length tube and rated at 6000 lbs. The cutting height shall be adjustable from 0" to 6" in 1/2" increments. It shall have hex-shaped shaft ends.

**ROLLER BEARINGS:** The roller bearings shall be hex shaped, 1-1/3" across corners, self-aligning with cast steel cap outboard and neoprene seal inboard. External bearings are not acceptable.

**ROLLER ADJUSTMENT BRACKET:** A labyrinth seal, formed by recessed tubing, shall protect the bearing from foreign material. The formed roller brackets shall be 1/2" x 6" and attached using 4, 1/2" grade 5 carriage bolts. Optional roller scraper brackets available.

**DRIVE TRAIN:** The PTO shall be 540 Cat. 4 (35) with spring loaded slip clutch. The gearbox shall be rated at 60-HP continuous and 90-HP intermittent. The driveshaft to the outboard drive shall be totally enclosed. The belt drive shall be a single "C" section, reverse bend V-belt. 16" Wrap per pulley. The unit shall have an automatic spring tensioned idler assembly.

**KNIVES:** The unit shall have 36 pair of coarse cut knives that are reversible and self-cleaning. They shall be 1-3/4" x 3-5/16", .1046 thick and weigh 3 ozs. each. They shall be mounted to the cutter shaft on heat-treated clevis rings. Optional 4-oz. knives available.

**WEIGHT:** The Super Heavy-Duty 74" Flail shall weigh 930 lbs.

**WARRANTY:** One-year parts and labor. Non-Governmental users subject to modified policy.

**OPTIONAL EQUIPMENT:**

**LIFT CHAINS:** Allows flexibility to the tractor hitch, provides a greater vertical and angular range which the mower can freely move through.

**GAUGE WHEEL:** 180 Degree movement with pneumatic or solid laminated tires.  
360 Degree movement with pneumatic or solid laminated tires.  
Laminated rear rubber roller cover.

**FINE CUT KNIVES:** Dimensions shall be 1-1/4" x 5" and mounted to the cutter shaft by hardened pins. Number of knives: 92 pair.

**The Super Heavy-Duty 74" Flail Mower may be ordered OFFSET:**

1. 8"  Offset Right
2. 14"  Offset Right