

# MAXILATOR™

HAY HANDLING EQUIPMENT

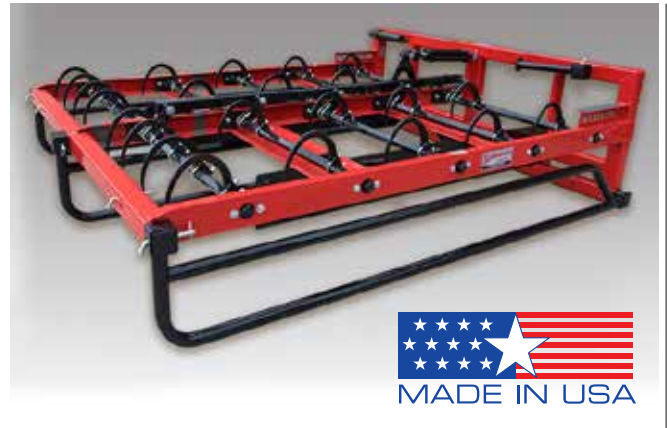
1-866-HAYBALE (1-866-429-2253)

WWW.MAXILATOR.COM + INFO@MAXILATOR.COM

## Accumagrapple Operators Manual

- Gathers Hay Bales In The Field
- Carries The Bales, 10 at a Time
- Lifts The Bales Onto A Truck Or Trailer
- Unloads The Bales At The Barn
- Stacks The Bales In Storage Area
- Use With Either A Tractor Or Skid Loader
- Rustproof Thermoplastic Coating

Your Accumagrapple is covered by a limited 5 year warranty. Be sure to fill out and return the accompanying registration card or registrar on-line at Maxilator.com. If you need parts, service, or technical support please call us at 1-888-200-6278 or email: info@maxilator.com.



### Specifications

Height:	30"	Length:	83"
Width:	88"	Weight:	790 lbs.
Hydraulic Requirements: One double acting remote.			
Capacity: 10 bales 39"x14"x18" 40 lbs as typical grass hay			
Number of Hooks: 24			

## Safety First

### Tractor or Skid Loader Requirements

There are infinite combinations of tractors and front end loaders and there are thousands of skid loaders available. It is important that you qualify your tractor or skid loader by consulting its operator information supplied by its manufacture to be sure it is an appropriate match for an Accumagrapple. Keep in mind you will be lifting the machine, the weight of the bales and where this will be done. If you have not read the enclosed farm equipment safety guidelines that cover operation of this equipment and your tractors safety manual go back and do so.

### General Guidelines

- Never stand underneath the machine without properly supporting tractors hydraulics.
- Do not allow others to ride on the Accumagrapple.
- Be aware of pinch points and be stay away from the mechanical action of the Accumagrapple.
- Keep hydraulic hoses free from entanglement with the tractor or skid loader boom arms or pivot point.
- Be aware of Accumagrapple plus tractor/skid loaders increased length and swing radius.
- Hydraulic hoses are under pressure use care when attaching and detaching.

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605 Stonehill Drive SW, Atlanta, Georgia 30336 www.tiedown.com • 800-241-1806 • 404-344-0000

# Glossary of Terms

**Mount** - Attachment point for your tractor or front end loader..

**Headboard** - Vertical portion of Accumagrapple where mount is attached. On each side at the bottom are the pins that release the side packing arms so they may be extended or retracted.

**Side Packing Arm** - Round tube sides that contain hay during accumulator mode and used to gently move it as needed on trailers or in barn to keep stacks tight and uniform.

**Center Divider Bar** - Round tube assembly that divides machine in half. It anchors into the headboard and is secured to the frame by a pin at the front of the machine.

**Divider Plate** - Two metal plates that further divide bales. They are attached to the headboard by two pins.

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## Things you should know

You have probably been baling hay for more than a few years and you know what works for you so we can't tell you how to or not to bale hay. ***One thing we must insist on though is that bales are of a good density in grass hay they should weigh at least 40 pounds averaging 39 inches in length with uniform edges and tight string.***

## Connecting to your front end loader or skid loader

Your Accumagrapple should be equipped with a bolt on adapter mount that should connect just like a bucket or any other attachment. Consult your loader or skid steers operating manual if you have difficulties.

## Field Operations

We strongly recommend you make a few practice laps around the hay field before you actually attempt to gather and load hay. Having an understanding of how the combination of your tractor/skid loader will handle while making turns and going up and down any inclines is critical to successful operation. Begin picking up hay by retracting the hay hooks and lowering your Accumagrapple close to the ground so it's in position to pick up bales. Ideally your Accumagrapple should be hovering just above the ground, its front should be slightly higher than the rear. Now begin to drive forward slowly at a speed you feel will allow you to react to any changes in terrain that may cause you to adjust the Accumagrapple height or angle. Once you are comfortable move towards your first bales at a slow speed again so you may change the Accumagrapple position to follow the fields terrain or stop suddenly.

Before using an Accumagrapple it is important that you are fully aware of where you will be gathering, loading, and unloading hay. Be aware of overhead lines, limbs and structures as well as any obstacles such as utility lines on the ground that create a safety hazard. Terrain is a very important. Be aware of elevation changes, ditches, sink holes, or other changes in ground conditions that could create a safety hazard.

## Hydraulic hoses

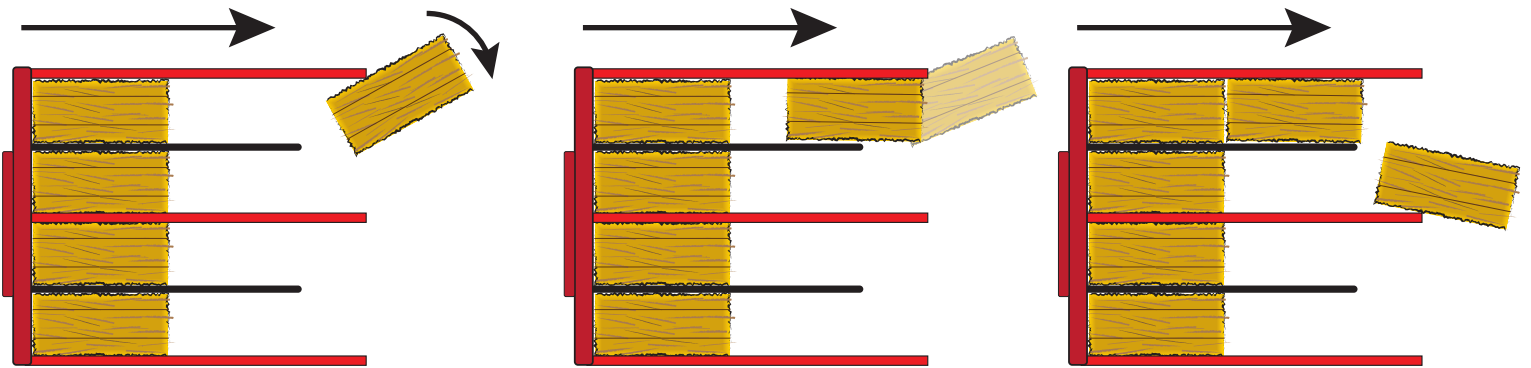
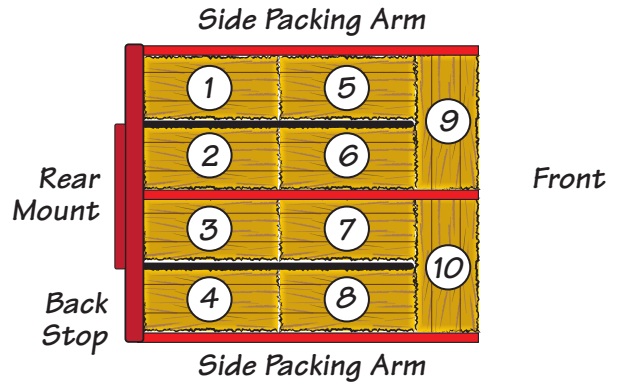
If your dealer did not equip your Accumagrapple hoses then you will need to acquire them from a local hydraulic or automotive shop. The hydraulic cylinder uses 3/8 pipe thread fittings. You will need enough hose so that the Accumagrapple may experience a full range of horizontal motion. This is usually accomplished by routing the hoses around the pivot point. Making use of hydraulic hose accessories like 90° elbows, swivels can further improve hose routing.

## Going to the field

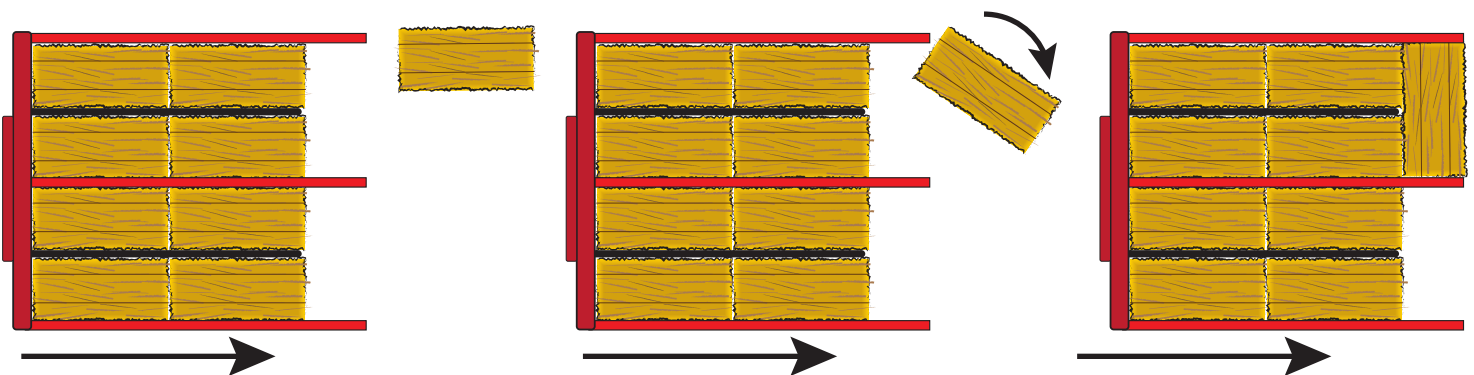
After tractor or skid steer start up lift the boom so that the Accumagrapple is high enough off the ground so it will not make contact with any obstacles. Be aware of your surroundings and move in the direction of travel at a safe speed remembering the increased length and swing radius created with the Accumagrapple tractor/skid loader combination. Before you begin make sure each of the Accumagrapple side packing arms are fully extended to accommodate the width of the bale. There are holes on the frame so the arms may be fine tuned for loading or unloading mode.

## Gathering Bales

As you approach your first bale keep in mind the Accumagrapple will act like a gentle hand pushing bales from the rear with the headboard or by the bales behind. There should be little if any down pressure on the bales. The Accumagrapple should be floating over them until you are ready to set the hooks, lift the bales, and the Accumagrapple. Now roughly line up your first bale with one of the open slots of the Accumagrapple. Don't worry if you are not perfectly lined up with the bale as long as you can get it in the slot it will align itself and slide in fine.



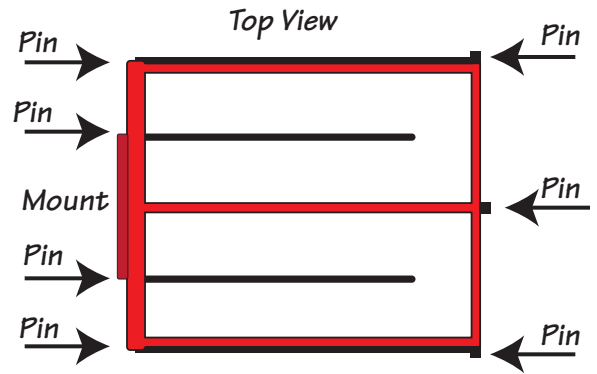
The last two bales must be loaded perpendicular to the rest. This can most easily be accomplished by touching the bale with the leading vertical pipe of any of the bale packing arm or center divider bar.



Pushing the round pipe into the divot on the bale where the twine wraps the bale will create a lever point and forward motion along with leverage will force the bale into the Accumagrapple. This is repeated for bale number 10 and can be done on any one of the three panels. Remember to use the string opposite of the way you want the bale to turn. Should you have a great distance between bales, need to make a turn or avoid an obstacle simply apply even pressure to the tops of the bales with the Accumagrapple and use your secondary hydraulics engage the hooks so they are secure within the Accumagrapple lift and travel as needed. Remember to fine tune your Accumagrapple position when you resume gathering bales.

## Converting Machine

The Accumagrapple is unique because it easily converts to a grapple for unloading in a few minutes. Be sure not to put yourself under the machine at any time and be sure you observe any safety procedures recommended for your loader. To make the conversion locate each of the retainer pins and their clevis pins denoted by the arrows in the drawing below. One at a time release the pins that will free the divider plates and packing arms and lower them to the ground. Set them aside in a safe location away from the area where the Accumagrapple is to be used along with their fastening hardware.



*Remember to leave either the right or the left packing arm on so you are able to keep your bales neatly organized.* It is subjective as to which side you leave on. You should be careful as to making the decision in which one to leave on. A good rule of thumb is if you remove hay from the right side of the truck leave on the right side packing arm and the left of working from the right side of the truck. When converting back to Accumagrapple and load hay, replace the divider and be sure to secure them to the frame with the pins and their clevis.

## Unloading Bales

Before you begin to unload be sure to fine tune the Accumagrapple as needed by retracting the remaining side packing arm to its minimum length at both the front and rear of the machine. This will compensate for any airspace that was between the bales and allow you to make the machine as narrow as possible for making entry into barns or access to trailer vans possible. When unloading approach the bales of hay that they are squarely under the frame making contact with the rear and remaining side packing arm of the . This is important so the stack you are recreating will be straight and steady.

## Trouble Shooting

Here are some common problems and solutions you might encounter as you become accustomed to using your Accumagrapple.

### Problem

- Outer bales don't easily enter or release
- Bales are not hooked and held securely for pick up
- Hayfield is scalped or a divot is left as bales are picked up
- Hooks do not grasp bales because they sag or warp
- Bales are rolling up or collapsing inside strings
- Last two bales roll over or twist

### Solution

- Make sure outside packing arms are fully extended.
- Make sure even pressure is applied to the top of the bales by the Accumagrapple.
- Make sure Accumagrapple is at proper height above ground, slow down or come to a complete stop before setting hooks and lifting bales.
- Check hay baler tension. A firm tight bale makes for most reliable pick up.
- Check hay moisture content and bale density.
- Make sure front of machine is high enough it not make contact with bales from above on their tops

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