

# **Haukaas Bale Cart Information**

## **Changing The Way Bales are Moved!**

### **Features:**

The **Haukaas Bale Cart** has **two large chambers** which are lowered down on each side when in the field position. In the hauling position, both chambers are hydraulically folded up on top of its frame.

The chamber is designed **with an adjustable size opening** at its bottom which allows the bale to enter the chamber. The adjustable opening gives the unit the capability of picking up bales from 52" to 72" in diameter. **(The ideal size is 69" to 70" diameter bales...**at this size the bales are quicker and easier to load)

**The chamber's "No-Snag" design** all but eliminates the chance of damaging strings or net wrap on the bales.

Each chamber has its own "Rear Gate" which can be pinned closed or hydraulically operated to allow for drive through unloading. **The rear gate prevents bales from escaping** out of the rear of the chamber and is also used to compact the bales together when grouping.

When bales are being hauled **they are "captured in the chambers"** making it virtually impossible for a bale to escape when transported on the road.

The **Haukaas Bale Cart** has four **4-1/2" x 20" welded hydraulic cylinders** that have been specifically engineered for the unit. The machine is designed to handle up to 1,650 lb bales.

The four large flotation - **13.5 x 15 F1 highway implement tires** (Titans 12 ply rating) are on walking axles and allow the Quick Pick to be used on soft or wet ground.

The 8-11 **hubs and wheels** have a 5500 lbs load rating and the **spindles** are made from high grade 4140 steel.

The unit comes standard with a West-Bar lighting package (signal lights, clearance lights and brake lights), safety chain and a **drop leg 10,000 lbs. jack** stand.

The unit is designed with **"steel twine guards"** to protect wheel bearings from bale strings.

The **Haukaas Bale Cart** chambers are designed using floatation springs which make the chambers somewhat weightless when they come in contact with the ground. The chambers are designed to float free of the hydraulic cylinders when the chambers are fully down which allows them to follow the contour of the ground when picking and unloading bales. **The suspension reduces the stress on the chambers** and keeps them from "digging in" in rough field conditions. **The Haukaas Bale Cart is designed to be gentle on the bales, on itself and on the hayfield.**

### **Adjustments:**

The **Haukaas Bale Cart** has only three basic adjustments:

The **height of the hitch** - For the unit to work properly, the bottom of the hitch has to be 11" off the ground.

The **speed of the hydraulics** - Adjust the flow control valve on your tractor so that the time taken for a chamber to fold from the ground to transport position is 10 second or more.

The **width between the runners** (on chamber) - The bottom runners on the chambers are adjustable for large and smaller bales. The factory setting is for bales 64" to 72" in diameter. The narrower setting is for 52" to 62" diameter bales.

### **Power Requirements:**

A **100 Hp tractor** is required to safely pull the **Haukaas Bale Cart**. The tractor must have hydraulic pressure of 2300 psi or greater to comfortably lift bales of 1,500 lbs. Most modern tractors generate about 2,850 psi of hydraulic pressure.

Each chamber requires a separate hydraulic remote and a third remote is required if the hydraulic rear gate option is selected.

### **To Operate:**

#### **Loading the Bale:**

The **Haukaas Bale Cart** is user friendly and simple to operate. To pick the bales both chambers are lowered to approximately 14" off the ground. The **Haukaas Bale Cart** has height indicators to show the operator picking height and carrying height. On a smooth field, the bales can be picked at speeds up to 4 mph and move from bale to bale at 6 mph plus. At this speed the indicators help eliminate the guess work and allow even the novice operator to easily pick the bales.

As the **Haukaas Bale Cart** approaches a bale, the operator will lower the appropriate chamber to the pre-load position. Just as the bale begins to enter the chamber the operator will lower the chamber to the ground. When the loading bale is fully into the front of the chamber, the operator will raise the chamber to the carrying position (approximately 14" off the ground, high enough that the bales will not rub on the ground plus a little bit more). The bales should never skid on the ground while loading. As the second bale enters the chamber, the operator will lower the chamber again to the ground. In doing so the first bale being carried will be set back down on the ground and the chamber will slide over top of the first and second bale. When the second bale being loaded is fully in the front section of the chamber the operator will raise the chamber up to the carry position and be off to the next bale. When done properly, as the chamber moves over the last bale to be filled the first bale loaded will have the rear gate come up against it.

Loading the **Haukaas Bale Cart** evenly between each side is important. An operator can load a couple more on one side than the other and get away with it but **it is possible to tip the unit if the load is not balanced properly.**

### **Unloading the Bales:**

**There are two ways** of unloading the bales. The most common way is to lower both chambers to the ground and **back away from the bales** and then with the second load drive the tractor between the first rows of the first load with the chambers in the pre-load position until the bales of the second load touch the bales from the first load. The operator will fully lower chambers to the ground and again back away.

The second option for unloading is using the hydraulic rear gate. This works great when the operator is grouping the bales for truck load quantities in the field. To unload the operator will lower the chambers fully to the ground, **open the rear gates and drive ahead... this method is very fast!**

### **Limitations:**

- Articulating and bi-directional tractors and tractors with dual wheels are not recommended.
- Oversized and poorly made bales.

## The **Haukaas Bale Cart**

... Is Different

... It looks Different

... It works Different

... Its purpose is Different

**We're Changing The Way Bales Are Moved!**

To see the Quick Pick in action and hear the testimonies of Quick Pick owners go to:

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

