



Meijer Holland

bale handling systems

Flintstone

Manual
Bale collector



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1. Introduction

The Meijer Holland Flintstone bale collector is designed to be attached behind a baler in order to collect two straw or hay bales at a time. The Flintstone is mechanically powered by the force of the big baler. This manual provides an overview of all the aspects that have to be kept in mind, before, during and after the use of the machine.



It is important to read the manual carefully before using the machine. There could be a risk of serious injury or damage to the environment if the bale collector is not used properly. Moreover, damages to the material or to the machine might occur. It is therefore important to follow the instructions of this manual.

2. Technical specifications

Features		Flintstone
Length	cm	370
Width	cm	205
Height	cm	165
Weight	cm	935
Height of platform	kg	111
Width rear wheels	cm	200
Maximum load	cm	2 bales (lxwxh) 240x120x70-90



The Flintstone is not optimally working on slopes and on very uneven ground.

CE-marking

This machine is certified with the CE-marking. This means that the machine meets the requirements of the applicable EC directives on safety and health. These directives are specified in the attached declaration of conformity.



- The non-observance of the rules and instructions stated in this manual is to be considered as serious negligence which leads to the extinguishment of any liability on the part of Meijer Holland concerning the resulting consequences. In this case, the risk lies exclusively with the user.
- Meijer Holland is constantly improving her products. It therefore reserves the right to make any changes and improvements it deems necessary. There is no obligation to apply these changes to earlier delivered machines.

3. Safety precautions

The following precautions are important to prevent injuries and damages.

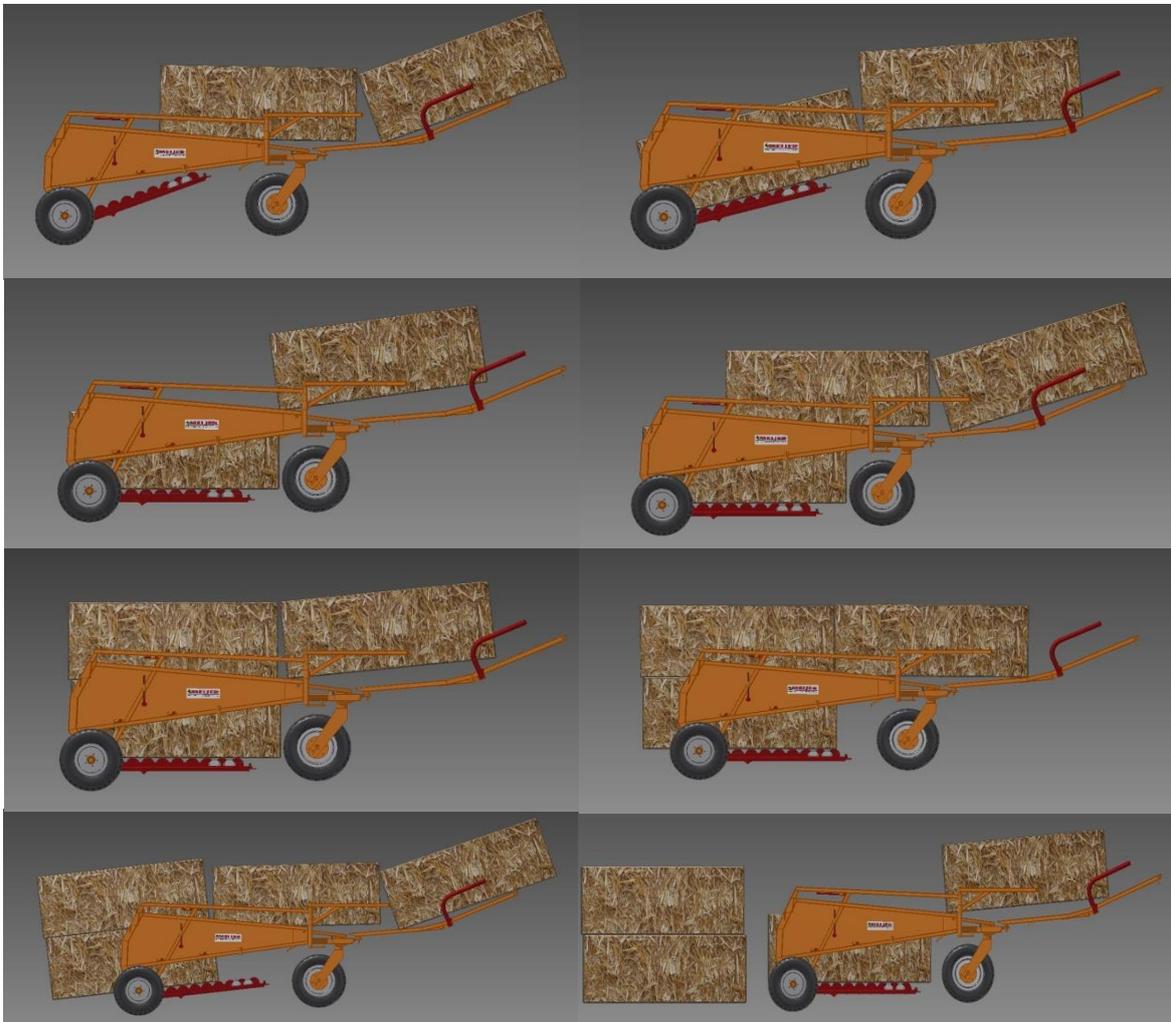
1. Read the manual before use.
2. Only experts should (dis)mount the collector to the vehicle.
3. Only experts should operate the collector.
4. Use the collector only for bales.
5. Do not stand on the bale collector or the roller conveyor – this is dangerous!
6. Mount the platform according to the instructions (chapter 6).
7. Follow the instructions for installation and adjustment (chapter 5).
8. The working area of the machine is five meters:
 - no persons are allowed within that range!
9. Mind the rules for maximum load (chapter 2).
10. Follow the instructions for maintenance (chapter 7).
11. When driving a long distance or driving on a public road:
 - no bales are permitted in the collector!

4. The functioning of the bale collector

The collector can only work if it is correctly mounted behind the baler with the supplied platform.

- The first bale slides over the platform and tilts into the collector, pushing down the spring-loaded roller bottom.
- The second bale slides over the first bale, placing the bales on top of each other.
- The third bale pushes the two stacked bales against the stopper causing it to unlock and flips sideways.
- The two stacked bales are released and the third bale pushes the roller conveyor back down, starting the process again.

Movement of the bales.



5. Installation and adjustment



Check if the bale collector is undamaged and in good condition on delivery. Please contact Meijer Holland if you notice any damages or missing parts. Only use the collector only if it is found to be in good order and after this manual has been read.



Make sure that the baler and the collector stand horizontally.

5.1 Installation

1. Remove the standard platform that is attached to the baler.
2. Drive the tractor up to the collector so that the mounting surface of the baler is as close as possible to the mounting point of the bale collector.
3. Make sure that the machines stand on an even ground during the installation of the collector.
4. Mount the supplied platform with two bolts to the baler. There is a pin on the other side of the platform that connects with the ball joint hinge of the collector.
5. Use proper locking agents for the strips, the platform and the pin.
6. Check by hand that the rollers are rotating around correctly. Do this with a flat motion over the rollers so that the hand does not get stuck between them.



complete assembled Flintstone

5.2 Adjustment

5.2.1 Spring tailgate

Adjust the spring so that the tailgate, after unloading the bales, folds back into the locked position. Too tight adjustment of the spring can cause the valve to close too early when passing the bales. It is also possible that the valve will lock too hard, causing it to not lock properly.

5.2.2 Roller conveyor

The roller conveyor has two chains. These allow the minimum height of the roller conveyor to be adjusted.

5.3 After the use

- Place the bale collector with the tractor on a solid and even ground.
- Dismount the connection from the baler to the bale collector and drive the tractor forward.



Store the collector in a dry and clean environment until the next use.

6. Mounting platform to the baler

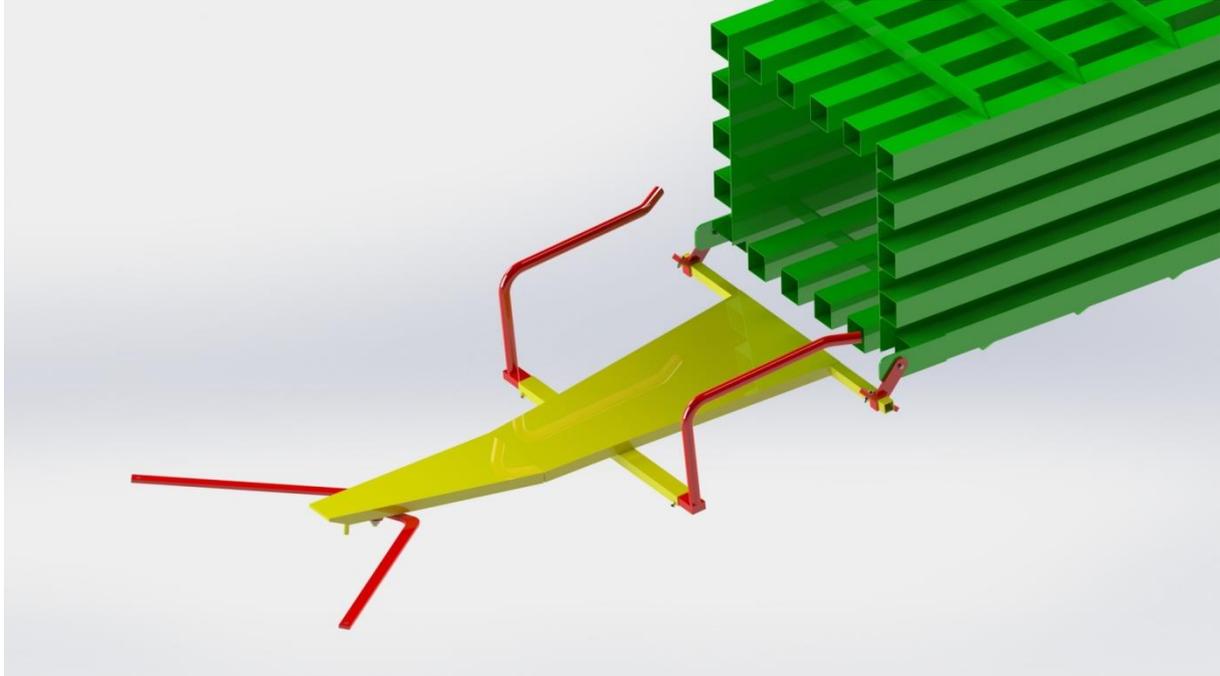
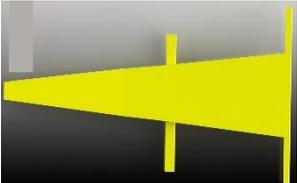


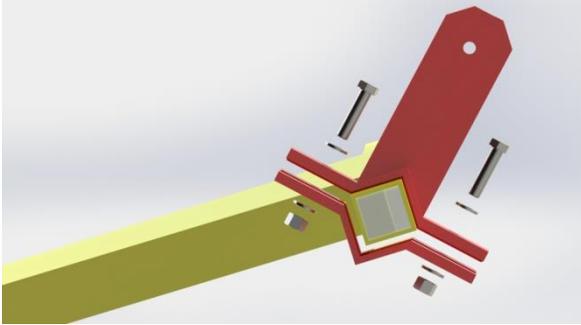
Figure 1: after complete assembly

6.1 Parts

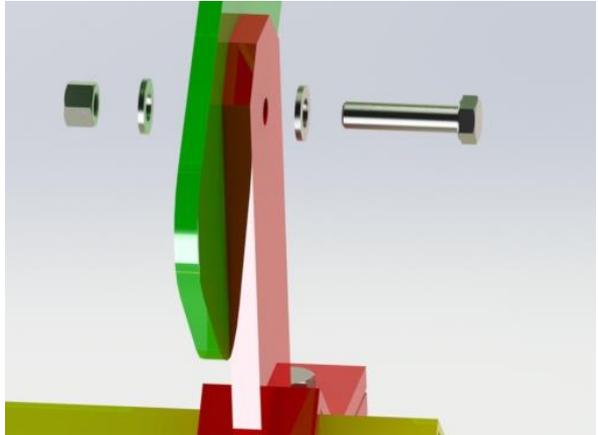
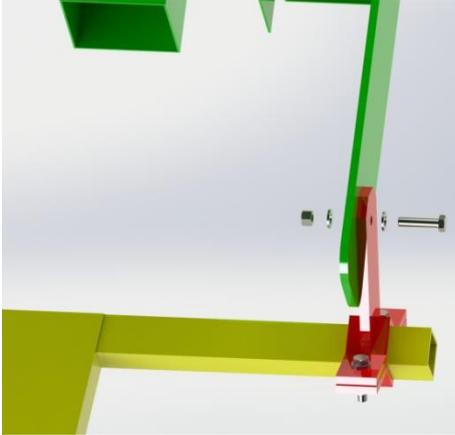
illustration	name	item no.	number
	extended platform	MH90x61-000	1
	guide bracket - set platform	MH90x07-002	1 left 1 right
	Steering rod - set platform	MH90x07-004	2
	mounting bracket - set, complete	MH90x07-003	2 sets

6.2 Mounting in steps

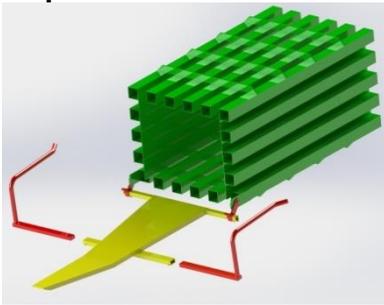
step 1



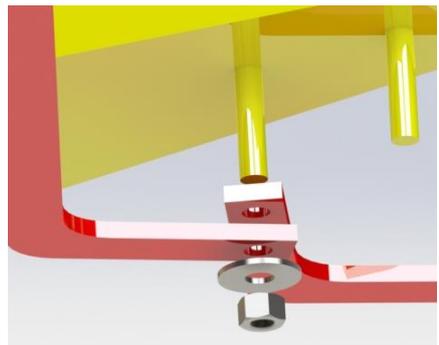
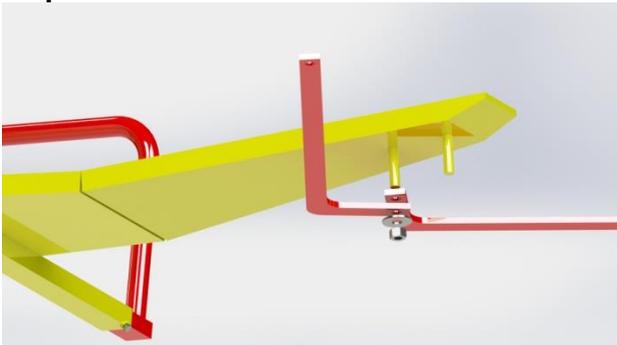
step 2



step 3



step 4



7. Maintenance

Regular maintenance extends the life span of the collector.

Maintenance schedule

Before every use	Check the bale collector for damages and wear. Replace damaged or worn parts.
At least once a week	Clean the collector of caked dirt and dust. When using a high-pressure washer, avoid the electrical parts.
	Fill the grease nipples on the moving parts. At extensive use: after eight working hours add a bit of grease (0,86 grams per grease nipple).

8. Problems and solutions

The bale collector is composed of several moveable parts. Repair or replace the damaged or worn parts immediately.

Spare parts are available at Meijer Holland.



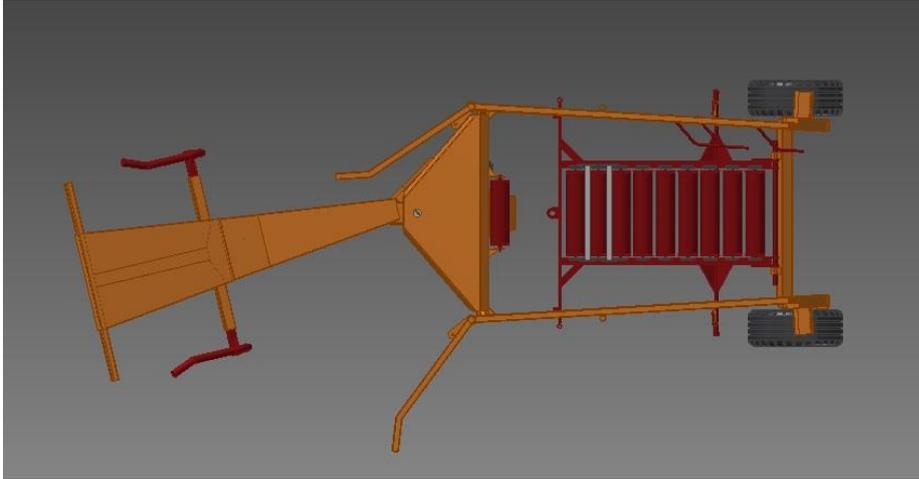
- Turn off the baler and the vehicle when you are fixing one of the following problems.
- Block rotating or moving parts.
- Disconnect the collector from the baler and from the tractor during welding.

Problem	Possible cause	Solution
The roles are not moving anymore.	The roles are blocked.	Look for the blockade and remove it.
The tailgate is not moving.	The spring is stretched too far or over-tightened.	Adjust the spring as described in chapter 5. If the spring is overstretched and worn out, it must be replaced.
The bales do not end up in the collector or are placed crooked.	The platform has not been mounted correctly.	Mount the platform correctly (see chapter 6).
The swivel wheel is loose.	Loose brake disc.	Tighten the brake disc further.

9. Environment and disposal

The bale collector is made of coated steel that can be disposed of as scrap.

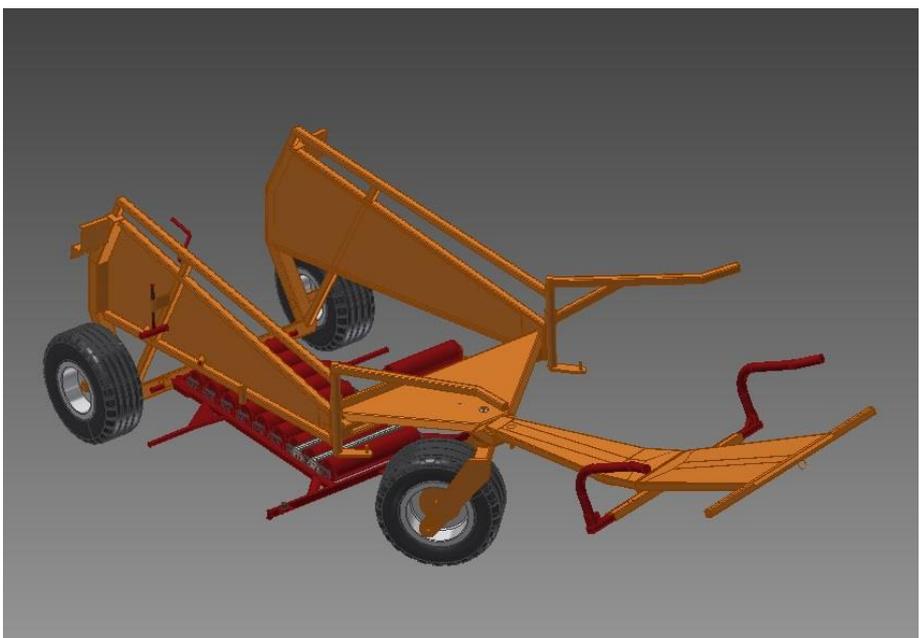
10. Assembly drawings



top view



side view



isometric view

CE- Declaration of conformity

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bale handling systems
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declare under our sole responsibility that:

1. we are the manufacturer of:

MH Flintstone (model MHFS02)

2. the machine complies with the following applicable directives:

Machinery directive	2006/42/EG
EMC-directive	2004/108/EC
LVD-directive	2006/95/EC

3. The machine is designed and constructed according to European standards, including:

EN 349:1993+A1:2008	EN-ISO 4413:2010
EN 614-1:2006 +A1:2009	EN-ISO 12100:2010
EN 614-2:2000 +A1:2008	

The electrics and the control section are the responsibility of the customer.

Groningen, 10th May 2016

J.F. Lommerts, *director*