

**GREENLAND**

**VARIABLE CHAMBER ROUND BALERS  
RV 116 – RV 126**



# Balers for consistent density

A firm, uniform dense bale is the key to silage quality, maximising productivity in the field and ensuring rapid field clearance. The Greenland variable chamber belt type round balers not only produce these results but are also packed with features to provide farmers and contractors with reliably consistent baled silage, hay or straw.

There are two models: RV 116 and RV 126. The main difference is the maximum diameter of bale that can be made: RV 116 up to 1.3 m (4'3"), RV 126 1.8 m (6').

Both models produce a 1.2 m wide bale but can make bales with differing diameters as the belt type variable chamber system allows the bale to grow, rolling within the machine under constant and controlled pressure from the hydraulically tensioned belts. This means that the density is consistent throughout, resulting in a bale which unrolls easily and completely. And with hydraulic density control the character of the bale can be tailored to the crop, conditions or its end use. Farmers can make bales precisely, to fit their system of ensiling, feeding, storage or transport.

Every bale these balers make starts rolling from the core, immediately, in virtually all crops and conditions. It's achieved by using two independ-

dent sets of belts. When the baler is empty they form a special bale starting chamber in the heart of the machine. A ribbed lower roller forces



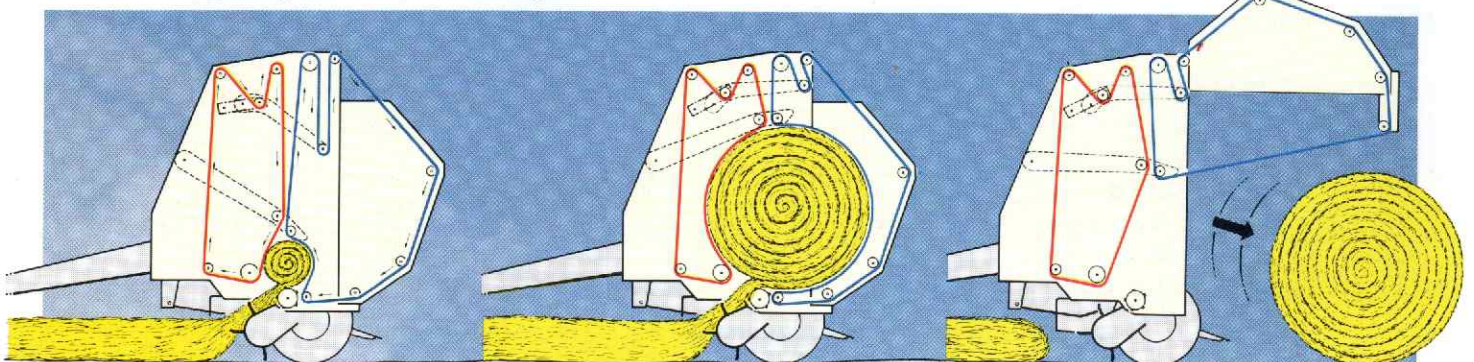
the crop material up to the rear set of belts upwards, the crop tumbles up and over, and is assisted in it's first roll by the downward travelling front set of belts. Instant somersault! and instant rolling from the very beginning. Only when the core is firm and well consolidated does the starting chamber begin to expand. The belts constantly keep the growing bale turning adding more material all the time.

The benefits of uniform density extend well into the following winter. Stored bales retain their shape, the grass ensiles better with less air and bales may be safely handled again and again.

The 1.4 m (4'3") wide fast rotating pick-up fitted as standard has four rows of tines. It has a small diameter and is mounted right under the open throat of the bale chamber close to the baler wheels so it rakes all the swath up cleanly, including short material transporting it the shortest

possible distance. There's no wastage, or loss.

An option is to fit a wide 2.0 m (6'7") pick-up which will ensure the widest combine or mower swath can be gathered in. Auger flights direct the edges of the swath into the centre for an even distribution across the bale.

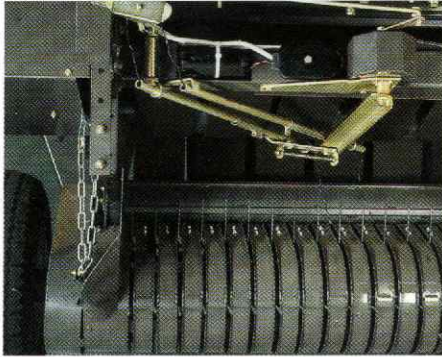


*the 2 sets of belts run in opposite directions forming the core instantly*

*the bale grows until it reaches a size set by the operator*

*the tailgate is raised and the finished bale ejects and rolls clear*

Fully automatic twine wrapping means every bale is securely bound with a consistent amount of twine used. The electronic control box is automatically triggered by the bale size selector previously set by the operator so every bale may be produced at exactly the same size. A



*twin tying arms reduce tying time*

warning light and buzzer alert the operator to halt for binding. Two twine tubes double up the process so the bale is completed with a minimum of turns. The operator can set the amount of twine used, and programme how much is used at the ends or middle of the bale, and can over-ride the system manually for baling the last random sized bale in the field.

As well as the bale size indicator a bale shape indicator shows how evenly the chamber is filling so operators can avoid conical or misshapen bales. The electronic control box has warning lights to alert the operator to correct any bale shape problems and to drive in correct alignment with the swath. Finally, the control box confirms that the tailgate has locked shut.

There's capacity for ten balls of twine on board so there need be no hold-

ups in a full day's work. With the optional net-wrapping system the roll of netwrap is easily accessible, carried on the tailgate. The net is fed onto the bale immediately behind the pick-up, thus allowing baling to continue for nearly another complete turn of the bale



*bale ejection ramps*

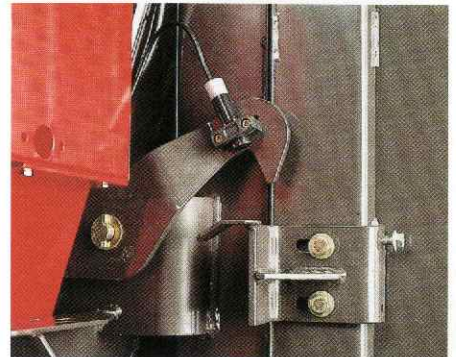
compared to other systems. This substantially reduces baling time before the bale is ejected.

Speed of work is also enhanced by bale ejection ramps which ensure that on completion the bale rolls well clear and the tailgate may close again so baling can recommence without any tractor movements.

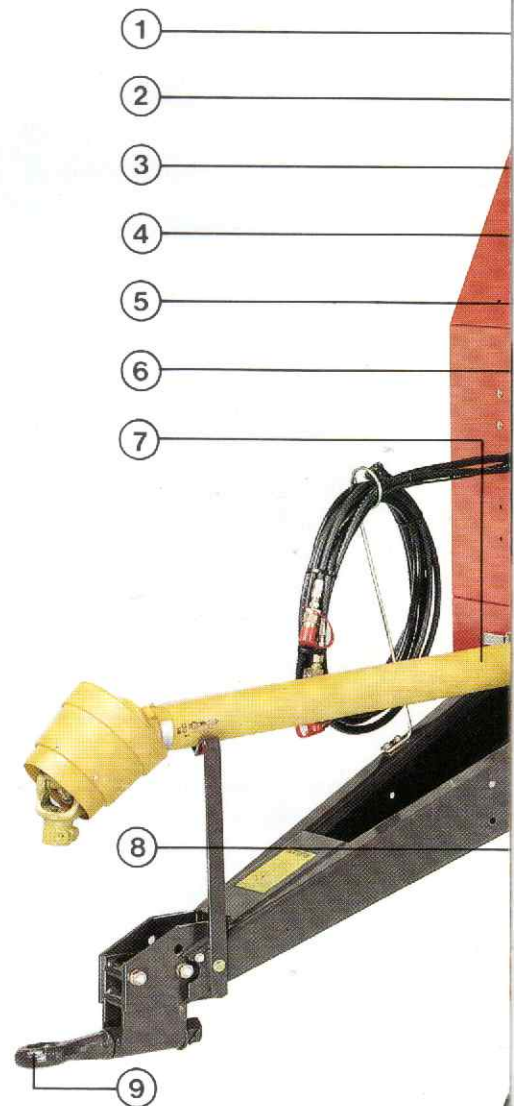
The main drive rollers are corrugated to improve tracking for better and more consistent contact with the bale. The heavy duty belts are fitted with "Titan" lacings providing secure joints for a long service life.

For field efficiency and reliable, consistent results the Greenland RV116 and RV126 variable chamber round balers are hard to beat. They are the natural choice for farmers and contractors looking for a trouble free, easy starting baler capable of high quality work in hay, silage and straw.

The added versatility of the RV126 model means that small silage bales may be produced early in the season while straw bales up to 1.8 m in diameter may be made later on using the same baler. A cost effective solution for cost conscious farmers and contractors.



*tailgate safety lock*



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1. Textured surface heavy duty belts (162 mm wide)

2. Bale shape indicator

3. Bale diameter selector and indicator

4. Bale density regulator

5. Bale density (hydraulic pressure) gauge

6. Tailgate safety lock valve

7. Wide angle (80°) PTO shaft

8. Hydraulic pick-up lift as standard

9. High clearance drawbar with adjustable ring hitch

10. Adjustable jack wheel

11. Twin tube automatic tying system

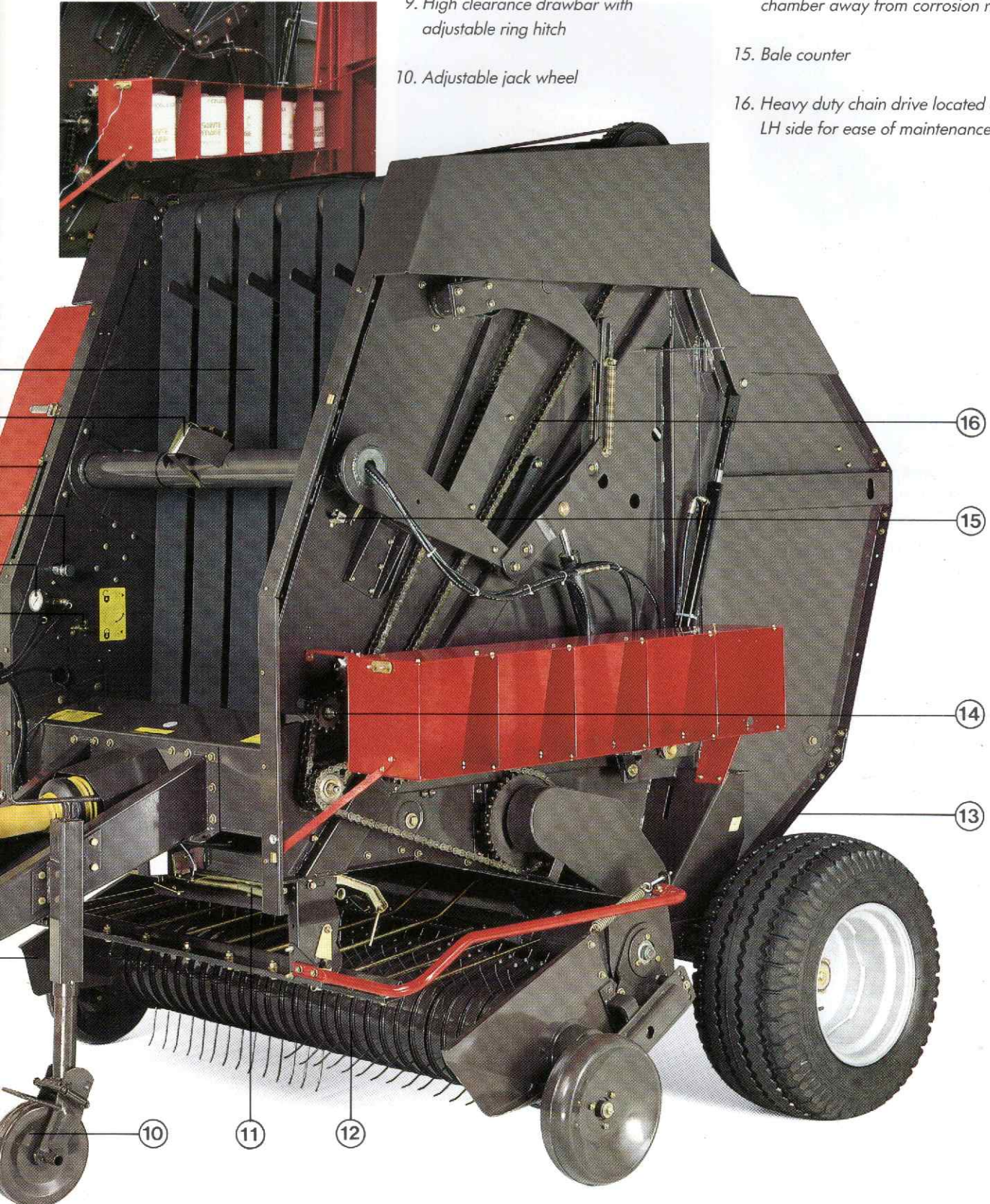
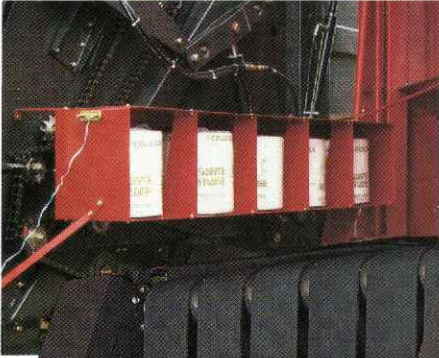
12. Optional 2.0 m (6'7") pick-up for wide swaths

13. Bale ejector ramps

14. Main bearings on outside of bale chamber away from corrosion risks

15. Bale counter

16. Heavy duty chain drive located on the LH side for ease of maintenance



## Safety devices

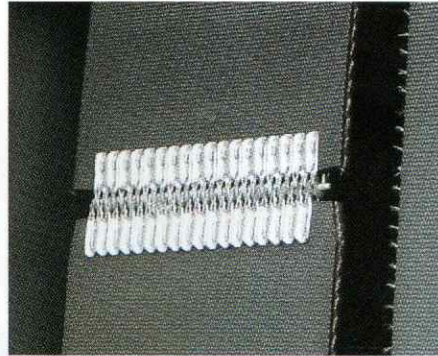
- Slip clutch on drive shaft
- Slip clutch on pick-up
- Gate locks on both sides with signal lamp
- Max. bale diameter switch
- Over diameter switch
- Rear gate safety valve lock



*in cab control and monitoring*

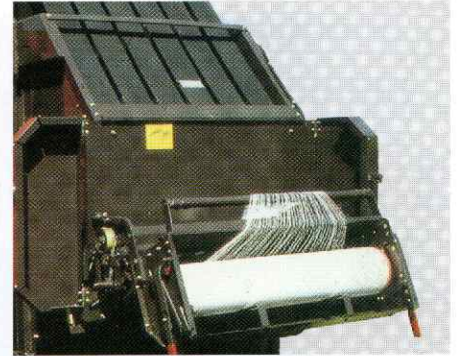
## Standard equipment

- Silage kit (UK)
- Electric binder, 2 tubes
- Wire distance programmable on control box
- 10 twine boxes
- Triangle reflectors
- Ring hitch



*belts with heavy duty Titan lacings*

- Hydraulic density system
- Diameter indicator on baler
- Bale oversized warning
- Bale ejection ramps
- Bale counter
- Bale loading evenness indicator
- Hydraulic pick-up lift
- Tine saver device



*ten balls twine capacity*

## Features at a glance

- 1 The **variable chamber design** maintains constant density and allows you to tailor bales to your needs.
- 2 An **"Open throat" starting chamber** with two complete sets of bale forming belts and ribbed starter roller mean that the bale is rolled right from the core.
- 3 A **fast, small diameter pick-up** rakes cleanly, even with short material for less waste and higher forward speed - particularly in short, light crops. Plus **wide pick-up option** - eases operator strain and matches wide mower and combine swaths.
- 4 An **automatic twin tube twine/netwrap system** with a straightforward electronic in-cab control panel for faster work, reliable wrapping and improved twine economy.
- 5 With **hydraulically maintained bale density** every bale is consistent for high quality conserved forage whatever the crop conditions.
- 6 When ejected the bales roll clear of the machine down **spring loaded ejection ramps** speeding re-start and boosting productivity.
- 7 Bales from the Greenland RV116/126 **unroll easily and completely**. Feeding, use on automated unrollers and stock bedding is easy and time saving.
- 8 Belts are joined with **Titan lacings**, the strong, proven system for trouble free operation.
- 9 **Full control and monitoring** of automatic and manual tying together with audio and warning light signals for tying cycle start, tailgate lock, bale shape and control.
- 10 It's easy to keep every bale perfectly cylindrical with the **bale shape indicator** on the baler and warning lights on the control box.

## Optional equipment

- Rear lights
- Pick-up gauge wheel standard pick-up
- Short crop shield
- Set gathering wheels standard pick-up
- Extra wide tyres 15.0/55 x 17

- Safety bars front
- Wide pick-up
- L/R indicator on baler and control box
- Net wrap
- Chain lubrication kit (RV126)
- Tractor anti-leakage set
- Soft core kit



## Technical specifications

	<b>RV 116</b>	<b>RV 126</b>
Length	3.85 m (12'7")	4.12 m (13'6")
Width	2.29 m (7'6")	2.29 m (7'6")
Height	2.42 m (8')	2.82 m (9'3")
Weight	1950 kg	2150 kg
<b>Pick-up</b>		
Operating width	1.40 m (4'7")	1.40 m (4'7")
Width between flares	1.20 m (4')	1.20 m (4')
Bars/Tines	4/72	4/72
	2 guiding cams	2 guiding cams
<b>Wide pick-up</b>		
Operating width	2.00 m (6'7")	2.00 m (6'7")
Width between flares	2.00 m (6'7")	2.00 m (6'7")
Number of tines	112	112
Number of bars	2 x 4, staggered	2 x 4, staggered
Material transport	combined transport roller with auger at either side	combined transport roller with auger at either side
Lift	hydraulic	hydraulic
	2 pick-up gauge wheels	2 pick-up gauge wheels
<b>Bale dimensions</b>		
Min. diameter	0.60 m (2')	0.60 m (2')
Max. diameter	1.30 m (4'3")	1.80 m (6')
Width	1.20 m (4')	1.20 m (4')
Belts	6 front, 6 rear	6 front, 6 rear
Tyres	10.00/75-15.3 6PR	11.5/80-15.3 8PR
PTO	540/1000 rpm	540/1000 rpm
Power requirements (min) standard pick-up	50 hp (36 kW)	55 hp (40 kW)
Power requirements (min) wide pick-up	60 hp (44 kW)	65 hp (48 kW)
Tractor requirements	1 double acting and 1 single acting valve	1 double acting and 1 single acting valve

## Greenland baler specialists

Greenland balers come from the combined strength in baler design and manufacture by baling specialists Rivierre Casalis, Vicon and Deutz-Fahr. The range includes a unique array of balers covering every bale format: conventional, round (both variable and fixed chamber systems), compact and large square balers. In fact the world's first 80 cm<sup>2</sup> big baler was launched by baler pioneer



Rivierre Casalis while the unparalleled, high capacity Vicon HP1600 rectangular silage baling system took Holland by storm during the mid nineteen eighties. All three baler manufacturers are now fully integrated in Greenland, bringing together the best in baler design and technology.

As part of an on-going product quality assurance programme Greenland makes extensive use of DURACOAT, a special five phase coating process resulting in a sealed, extremely hard wearing and attractive finish. DURACOAT protects against corrosion and enhances resale values.

For all these reasons it is a wise decision to choose a Greenland product. It will also ensure that you get after sales service and advice from a network of trained, well equipped and knowledgeable dealers.

This documentation is not binding. Greenland reserve the right to modify machine specification at any time without notice.

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