

# LELY WELGER

Fixed chamber balers



Cutting edge baler technology



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

*innovators in agriculture*

# ***SMARTER, FASTER, STRONGER!***



Smarter, faster, stronger!

Three powerful words that say exactly why Lely equipment stands out from our competitors. Innovative thinking by our engineers often results in surprisingly effective solutions for making increasingly larger machines even more efficient. Durability and ease of operation are always key to these efforts. Therefore, we at Lely say quite rightly: "We are the innovators in agriculture."

## Smarter

**1** Mechanical tail gate locking system – Two heavy-duty hooks secure the tail gate once it is fully closed and ensure that it remains completely closed throughout the baling process. This ensures that consistently sized bales with the highest density are produced every time. Page 11.

**2** Hydroflexcontrol – Rubber blocks on either side of the feeding channel floor ensure that the front of the channel can flex downwards if a substantial crop lump or a stone needs to pass underneath the rotor. Most of the time, the resulting space is sufficient for processing peak loads in a swath. Page 9.

**3** ELS – After loading the new net roll is simply tipped backwards into the operating position, the spindle is adjusted and then locked into position. A spare nett roll can then be located in the frame ready for use. It couldn't be any easier and will save you time and effort. Page 13.



## Faster

**4** Xtracut – Timely changing of blades ensures a proper chopping action, reduced fuel consumption and also eliminates excessive wear of blades. When necessary the second knife bank can be engaged in one simple operation from the tractor cab ensuring continuing high output with a sharp set of blades. Page 7.

**5** Lely Welger Profi rotor – Due to the large number of tines (four on each ring) the Lely Welger Profi rotor has a tremendous grip on the crop ensuring year-round silage operations. This high-grade rotor guarantees non-stop performance and optimum chopping quality. Page 29.

**6** 2.25 m Pick up – The standard pick-up of the RP 245 has a width of 2.25 m ensuring wide swaths can be picked up easily, even in tight turning angles. The pick-up has four tine bars ensuring a good crop pick-up and smooth intake all the time. Page 25.

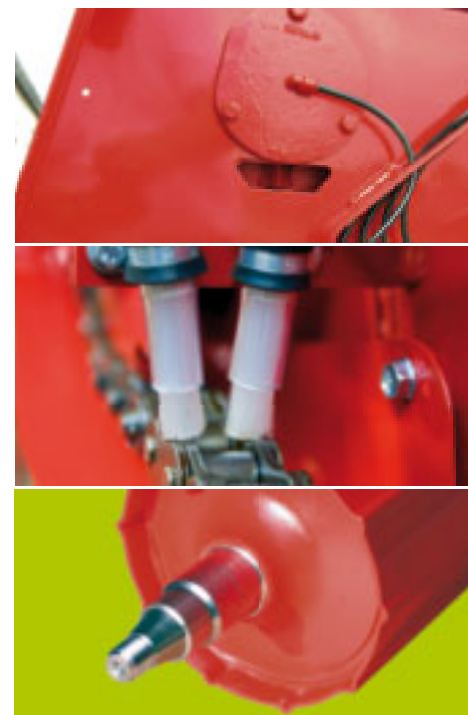


## Stronger

**7** Unique bearing housings – On the non-drive side the bearings can move in their housings – thus the movement of the bale chamber is absorbed. Consequently, the pressure that the bale exerts on the side walls of the chamber constitutes a very minimal lateral-load for the bearings, which greatly increases their lifespan. Page 14.

**8** Automatic chain lubrication – Small swaths and wet crops constitute the heaviest conditions for a baler's drive chain. The automatic chain lubrication system ensures that all baler drive chains are constantly lubricated with oil ensuring a long lifetime. Page 14.

**9** Powergrip – In a special manufacturing process the ten longitudinal ribs on each roller are pressed into the thick walled 3.20 mm tube. With each roller being seamless, the material structure gives the rollers an unequalled strength and a lifetime that is truly unrivalled in the market place. Page 11.







## Quality fodder for higher profits

The quality and quantity of fodder determines to a great extent how healthily and efficiently milk and meat can be produced. By producing nourishing and appetising feed from one's own fodder you avoid having to purchase expensive additives and concentrates. This is beneficial for the animals, for manure management and – perhaps most importantly – the farm's profits.

# Lely – together with you in search of the perfect fodder

## LELY SPLENDIMO



### Mowing is decisive for further processing of fodder

The choices that you make for mowing – time of mowing, with or without conditioner, regular or wide swath – have a direct impact on the further processing of fodder. Proper adjustments as well as the correct mowing pattern are crucial to the condition of the turf as well as limiting any delay in re-growth and favouring the quality of the first cut of grass.

## LELY LOTUS



### Tedding for fast and even drying

Especially when having to deal with heavier cuts of grass, timely tedding is important to ensure fast and even drying. Sufficient output combined with a proper turning action limits the wilting period and, hence, the field period as well as any delay in re-growth. Properly teded fodder is free from the turf and is raked together more easily. Proper ground contours as well as correct machine adjustments avoid crop contamination.

## LELY HIBISCUS



### Clean fodder in the right swath

A cam rake should allow fast operations as well as the possibility to lay down an effective swath with the correct shape and width. After all, a good swath is decisive for the output and cutting action of the baler, forage harvester or pick-up loader wagon. Ground assimilation, stability as well as adjustments ensure a clean raking job eliminating any fodder contamination due to soil or dried-up manure.

### Proper density provides many benefits

Big packs and round bales ensure a substantial improvement of fodder quality because the compaction process starts right away. Transport of the heavy packs is more flexible. Heavy tractors for processing the fodder are not required. Since the crop is cut by means of the advanced cutting mechanisms of the balers, there is more effective compaction while the fermentation process starts sooner and the crop can be processed more easily later on.

### Quick preservation ensures optimum fodder

Wrapping finishes the process that you have started with baling. Immediate packing of the bale in a film – be it in a combined or individual working pass – ensures immediate airtight sealing of the bale so that the fermentation process sets in as soon as possible. The bale is not opened until the time when you actually need the fodder. Heating and decay are eliminated and tasty fodder is ensured.

### Ensilage large quantities quickly

Working with a loader wagon is the quickest way to harvest your crops. Loader wagons can finely chop grass and they have a large loading capacity. The optimum loading of the wagon makes haulage as efficient as possible. For those reasons, the loader wagon is ideal for making large quantities of silage in a short time.

## LELY WELGER



## LELY ATTIS



## LELY TIGO







## Chopping silage improves your results in many ways

Lely Welger offer many options when choosing a chopping system for your baler. Initially this may seem like an additional investment but chopping the crop will help improve the quality of your forage and thereby your results in so many ways that you actually need more reasons not to choose one.

## Chopping for higher density bales

Chopped hay, straw and silage crops are much easier to bale due to the reduced length and elasticity of the forage. This ensures heavy dense bales are produced leading to a reduction in handling, transport and twine/net tying costs.



## Chopping to improve feed intake

Silage that has been harvested will ferment much better due to the sugars in the crop being readily available. This results in tastier fodder, which has a positive effect on the roughage intake of animals. In addition, short crops are generally digested better.



## Chopping saves time through easier distribution at feeding time

Chopping the crop will avoid the build up of material and prevent blockages on the moving parts of diet feeders, forage boxes and straw choppers etc. Shorter material is also easier and faster to distribute.



## Xtracut – extra output and additional comfort

To ensure optimum performance when chopping, Lely Welger have designed the Xtracut<sup>17</sup> and Xtracut<sup>25</sup> chopping mechanisms with selectable knife banks. The operator can select from the E-link control box in the cab various knife bank selections when baling different crops, which is ideal for contractors. Both machines have two sets of knife banks that are hydraulically protected. So on the Xtracut<sup>17</sup> you have an option of not chopping, or 8 or 9 or 17 knives engaged. On the Profi you have a choice of not chopping, or 12 or 13 or 25 knives engaged.



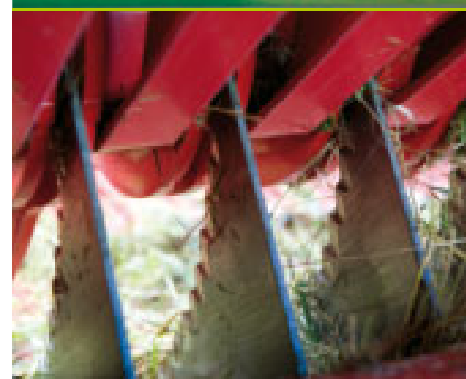
## Chopping length's that can be easily adjusted

From the tractor cab the operator can – via the E-link control – easily adjust the chopping length required by using both knife banks at the same time, or disengaging one. For the Xtracut<sup>25</sup> this means a chopping length of 45 mm when all knives are engaged, or 90 mm when using 12 knives. Otherwise both groups can also be disengaged.



## Always sharp knives

Timely changing of knives ensures a proper chopping action, reduced fuel consumption and also eliminates excessive wear of knives. The Xtracut option offers flexibility to the operator using one bank of knives. When necessary the second bank of knives can be engaged in one simple operation from the tractor cab ensuring continuing high output with a new sharp set of knives.



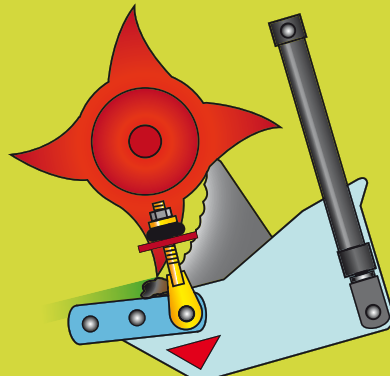
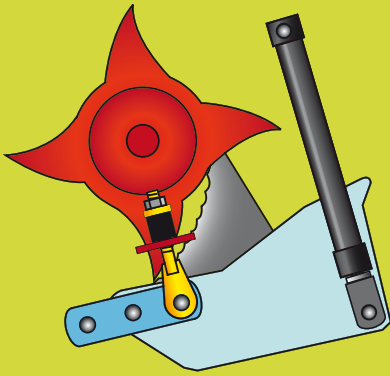




## Hydroflexcontrol – output is determined by throughput

Often the time for harvesting is limited and sometimes operators overstep a balers limits in terms of overload capacity. These limits are determined by the narrowest passage of the machine, which is decisive for its output. With balers, the space underneath the rotor is the critical factor. The Hydroflexcontrol anti blockage system increases this room in case of peak loads while at the same reducing downtime as a result of an inadequate forward speed or sorting out a blockage.





## Flexcontrol + Hydroflex = increased baling output with less downtime

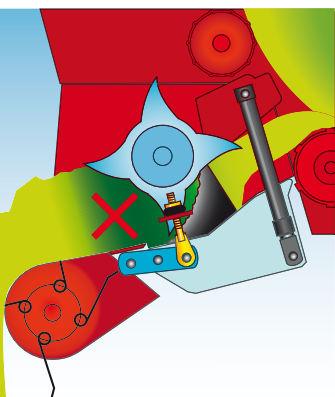
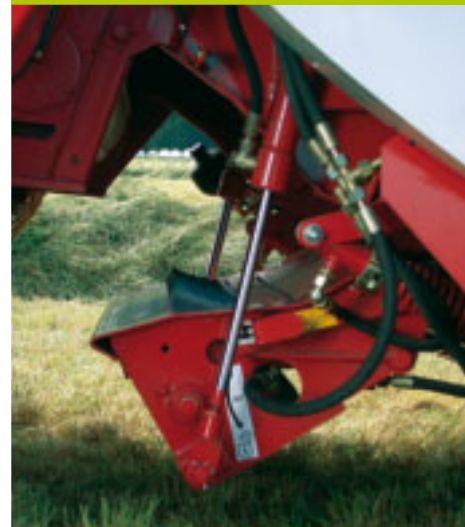
The two functions that are hidden in the name Hydroflexcontrol relate to the hydroflex floor which is underneath the rotor. The flex part avoids blockages; the hydro part solves blockages as and when they may occur. All Lely Welger balers with a chopping unit can be fitted with the Hydroflexcontrol system.

### Flexible floor deals with peak loads

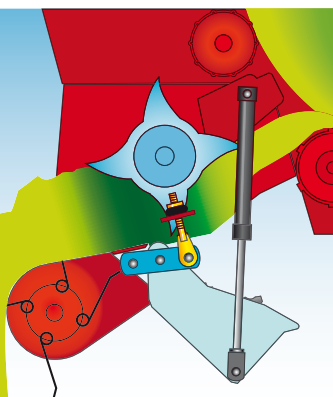
Flexcontrol is situated under the rotor where the feed passage is at its narrowest. It allows movement of the front part of the feed chamber floor to flex up and down via a rubber suspension – hence the word 'flex'. If a small foreign object or a wet lump of material is picked up from the swath, this flexing action smooths out the crop flow reducing the risk of blockages in the feed area.

### Dealing with blockages from the tractor cab

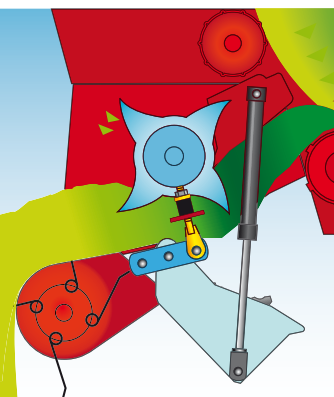
The second feature is a hydraulic stage, whereby the rear of the feed table floor can be lowered hydraulically from the tractor seat to free the rotor of any blockage. When lowering the feed table floor the fact that all knives are also withdrawn ensures the blockage has passed into the bale chamber without any crop wastage before the operator re-engages the machine.



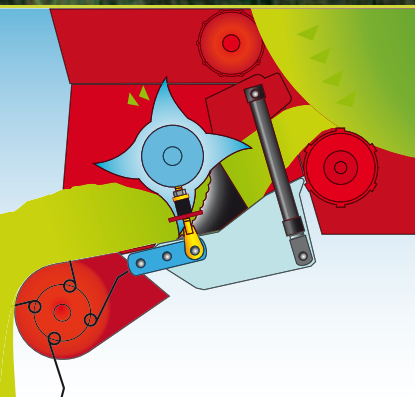
**Step 1**  
Blockage.



**Step 2**  
Feed table floor opens completely and knives are withdrawn.



**Step 3**  
Drive is engaged and blockage passes into the bale chamber.



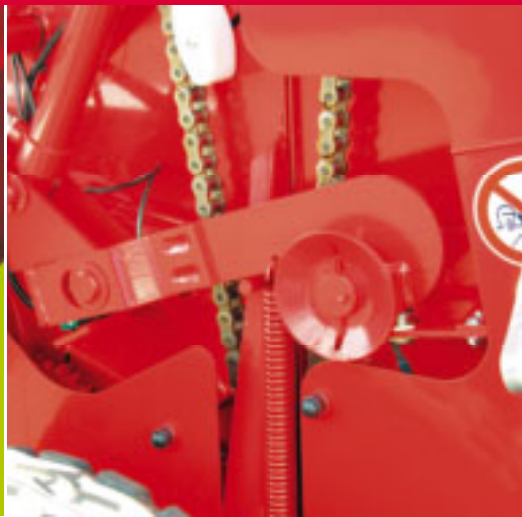
**Step 4**  
Feed table floor is closed, proceed baling!



## Saving time and money...

Net/twine tying, wrapping, transport and storage are all costs associated with baling. Less bales means lower costs. The bale chamber of a Lely Welger round baler produces the heaviest bales in today's marketplace thus saving you time and money.





## Bale rotation and pressure are critical for bale density

The bale chamber which is fitted with 18 Powergrip steel rollers is critical for bale density. It is of paramount importance that all rollers keep a firm grip on the bale at all times. The number of bale rotations and the pressure exerted on the bale will directly influence final bale density. Therefore the bale chamber needs to have a perfect round shape and be fitted with rollers all around with the bare minimum of space between rollers to ensure maximum contact between the rollers and the bale. The mechanical tail gate locking system ensures that consistently sized bales with the highest density are produced every time.

## Powergrip – maximum grip ensuring maximum bale rotation

The 18 Powergrip steel rollers ensure the highest bale compaction and excellent baling performance and rotation under all operating conditions. In a special manufacturing process the ten longitudinal ribs on each roller are pressed into the thick walled 3.2 mm tube. With each roller being seamless, the material structure gives the rollers an unequalled strength and a lifetime that is truly unrivalled in the market place. This unique Powergrip design is a patented feature of Lely Welger round balers and enables the balers to work with all types of materials in virtually every condition.

## Mechanical tail gate locking system – perfectly closed ensuring maximum pressure

All Lely Welger round balers feature a mechanical tail gate locking system. Two heavy-duty hooks secure the tail gate once it is fully closed and ensure that it remains completely closed throughout the baling process. These hooks are linked up with high-grade rubber blocks which increase the pressure that the bale chamber exerts on the bale. Bale density is determined through accurate measuring of the position on the tail gate hooks.

This mechanical system can withstand the highest of pressure and it is not liable to the loss of pressure as in hydraulic systems. The result is evenly-sized, high density stable bales with little or no crop loss. Opening the tailgate goes fast and is very easy as only a single-acting hydraulic connection is required for opening the tail gate.

### Roller bearings with 'self-cleaning effect'

Any intruding material is discharged through slots in the side wall of the bale chamber.

### E-link

Bale density can be easily adjusted from the tractor cab with the E-link handset.



### Permanent tail gate guide

A special mandrel ensures that the tailgate always closes perfectly closed, even when operating on extreme slopes.





## Effective tying saves costs and time

Making a perfect bale is one thing – preserving the bale for a longer period of time is a different matter... A variety of methods for storing, preserving and feeding bales necessitates a flexible tying system. Correct use of tying material limits costs, reduces the time required for tying the bales which in turn increases output per hour.



## Varionet – for perfect bale coverage every time

We don't just accept high-density bales, they should also look good. The Lely Varionet net wrapping system works perfectly with all standard net widths. Thanks to exhaustive testing, the well-proven tensioning system and a special net spreading device, the net wrap is consistently applied across the bale. Wide net wrap will even reach over the edges of the bale. This means that not only do the bales look great; they are also completely protected against bad weather conditions and crop losses. This process also eliminates any unnecessary air pockets thereby improving feed quality.

## Varionet wrapping with Easy Load System (ELS)

The well-proven net wrapping system has ELS which allows easier loading of the net roll from ground level from the left-hand side of the machine. After loading the new net roll is simply tipped backwards with the storage container, lifted into the operating position via the spindle and then locked into position. A spare net roll can then be located in the frame ready for use. It couldn't be any easier and will save you time and effort.

## Variotwin – secure, fast, economically viable

The unique feature of this twine tying system is the variable speed control. This device allows for a sufficient number of twine rotations at the bale edges, enabling the bale to be tied quickly and ensuring that the ends do not fall apart. In this way even the lightest of crops can be tied quickly and securely in a cost effective manner.

## Combination wrapping – double tying, double protection

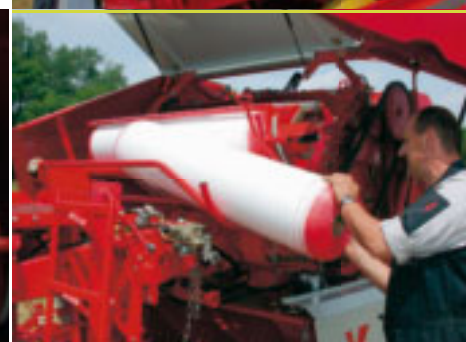
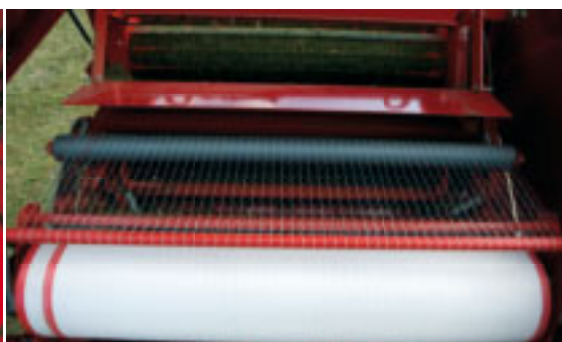
All Lely Welger balers are designed to allow simultaneous twine and net-tying. This can result in up to 30% savings in wrapping material costs while in addition minimising crop losses.



The curved spreading tube conveys the net material up to and just around the edges of the bale.



Cost effective tying with the combined function.



# Lely Welger – experience and innovation result in the strongest and most reliable balers in today's market place

## Unique roller bearings eliminate undue wear and tear

'Flexibility' is key when it comes to absorbing major forces in various directions. By ensuring that the rollers and the bale chamber can move in respect of one another, a major axial load onto the bearings of the rollers is eliminated. For this reason, Lely Welger round balers use unique bearing housings. On the drive side the bearing housings fitted allow the bearings to move slightly so that aligning of the gears always remains intact. However on the non-drive side the bearings can move in their housings; thus, the movement of the bale chamber is absorbed. Consequently, the pressure that the bale exerts on the side walls of the chamber constitutes a very minimal axial-load for the bearings, which greatly increases their lifespan. Just like the bearing housing on the drive side, these special bearing housings can be fitted with a lubrication system ensuring a moving action even in the most aggressive and wettest of conditions.



## Roller lubrication – guaranteed performance and output

Wear and tear caused by adverse weather and working conditions while baling silage is most effectively counteracted through regular lubrication of the rollers. This is made easy with the centralised and easily accessible location of the greasing block for the rollers.



## Environmentally friendly chain lubrication

Small swaths and wet crops constitute the heaviest conditions for a baler's drive chains. The automatic chain lubrication system ensures that all baler drive chains are constantly lubricated with oil ensuring a long lifetime. The quantity of oil can be adjusted for each chain and brushes apply the oil directly on to the chain. The large capacity of the oil reservoir means oil does not have to be replenished on a regular basis.



## Pick-up fitted with ball bearings

Lely set new standards here with a 2.25 m pick up consisting of four strong round steel tinebars consisting of 30 tines. Specially sealed grooved ball bearings ensure not only low power, they also exceed the service life of a normal bearing many times over. Precise height control is achieved through a spring balanced hydraulic lifting device and accurately adjustable guide wheels. The Lely Welger pick-up that is unique due to its large capacity as well as an exceptionally long service lifetime.



## Powersplit – split power drive concept... designed for outstanding performance

Machines with a massive throughput need a drive system that is able to withstand the consequent high loads. The Powersplit transmission equally divides the amount of power required by the rotor and the bale chamber. This split drive train reduces the amount of horsepower required.





## Lely – high-quality products through innovative and durable design

The companies in the Lely Group are dedicated to offering a range of products that are well matched to the needs of modern cattle farmers and contractors. Innovation has always been the driving force upon which the Lely organisation was founded.

### Always seeking improvement

A team of highly qualified and enthusiastic designers are constantly active, developing new products as well as refining existing equipment. In doing so, they can make use of the most advanced equipment and software.

### Reliability due to extensive testing

Prototypes are built and carefully monitored during nationally and internationally recognised testing procedures. Durability testing takes place on a bumpy track or on the drop-testing jig to discover potential weak points or to test the durability.

### Quality first and foremost

During production, the quality control of all the materials applied is crucial. Checks on the correct

dimensions or material quality are constantly performed on all incoming components, even for parts suppliers.

### Proper back-up

Correct operation and service are in practice just as important as a good design and precise fabrication! Lely therefore invests a great deal in frequent customer visits and much (international) training to instruct dealers and end users.

### Quick and correct parts supply

Due to ongoing automation of our parts supply infrastructure we ensure fast supply of spare parts just at the time when you expect us to.











Lely



Welger RP 202



Welger RP 245



Attis HR 16



## Lely Welger RP 202

This is an ideal machine for medium sized operations. It is characterised by its simple operation and low horse power requirements, but feature many similarities to the Lely Welger RP 245. This is the ideal machine for all those who do not want to chop their crops. This model is available with either a 1.50 m wide pick-up ('Classic' model) or a 2 m wide pick-up ('Special' model).

### TECHNICAL SPECIFICATIONS

WELGER	RP 202 Classic	RP 202 Special
Roll chamber diameter (m)	1.25	1.25
Roll chamber width (m)	1.23	1.23
Roll chamber volume (m³)	1.50	1.50
Pick-up width (m)	1.50	2.00
Pick-up rake width (m)	1.15	1.60
Dimensions L x W x H (m)	4.30 x 2.30 x 2.42	4.30 x 2.30 x 2.42

## Lely Welger RP 245

This new and comprehensive range of 1.25 m diameter fixed chamber balers offers a number of options from a standard chopper baler up to the Lely Welger Profi model for large scale silage operations and contractor use. There is a choice of three chopping units from 13 to 25 knives and the machine can be fitted with twine tying or net tying. The RP 245 Profi model is the baler with the highest specification in today's market place.

### TECHNICAL SPECIFICATIONS

WELGER	RP 245	RP 245 Profi
Bale chamber diameter (m)	1.25	1.25
Roll chamber width (m)	1.23	1.23
Roll chamber volume up to approx. (m³)	1.50	1.50
Pick-up width (m)	2.25 / 2.00	2.25 / 2.00
Pick-up rake width (m)	1.86/1.60	1.86 / 1.60
Dimensions L x W x H (m)	4.98 x 2.32-2.70 x 2.76	4.98 x 2.32-2.70 x 2.76

## Lely Attis HR 16

This fully automatic wrapper for round bales is characterised both by its robust construction and its simple and easy operation. It can be mounted either on the rear or front tractor linkage. Due to the strong structure of this wrapper bales of up to a diameter of 1.65 m and 1,500 kg can be wrapped.

### TECHNICAL SPECIFICATIONS

ATTIS	HR 16
Length (mm)	1,960
Width (mm)	2,150
Height (mm)	3,000
Bale diameter (m)	1.10-1.65
Bale width (m)	1.15-1.25
Bale weight max. (kg)	1,500



## Lely Welger RP 202 – simple and robust balers for high-density bales

The Lely Welger RP 202 non chopper baler feeds the crop straight into the bale chamber ensuring a well formed high density bale. This range offers excellent possibilities to farmers or contractors who have no need for chopping but wish to make high-density bales. The option of fitting the machine with a wide pick-up ensures it is also suitable for the wide swaths of combine-harvesters.





## Lely Welger RP 202 Classic – the simplest baler for high performance

The first model of the Lely Welger RP 202 series can be rightly called a true Classic due to its 1.50 m wide pick-up and five tine rows. The pick-up feeds the crop directly and effortlessly into the bale chamber, eliminating the need for a rotor. The ample feed passage on the RP 202 Classic model ensures excellent performance, even when working in heavy crops.

The basic model can be upgraded with various options including additional pick-up wheels, a short crop plate, oil lubrication for chains plus a choice of wheels to suit individual requirements.

- 1.50 m pick-up.
- Bale chamber with 18 rollers.
- Baler Control E.
- Mechanical tail gate locking system.
- Self-cleaning bearing housing.

## Lely Welger RP 202 Special – simple design with wide pick-up

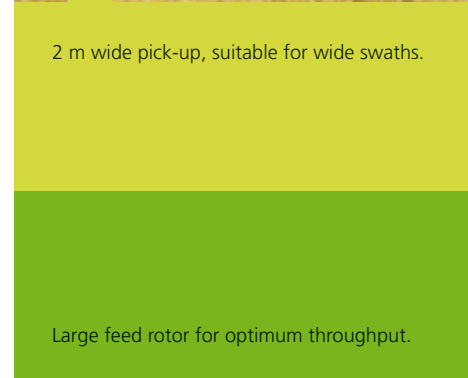
Due to its 2 m wide pick-up, the Lely Welger RP 202 Special model is the ideal machine for baling all materials in wide swaths. Effective machine support and ground contour following ensure clean pick-up of crops. This baler is also fitted with a 1.25 m diameter bale chamber and 18 rollers. By fitting this machine with twine and net tying this simple yet strong and reliable baler becomes even more versatile.

## High output due to massive crop throughput

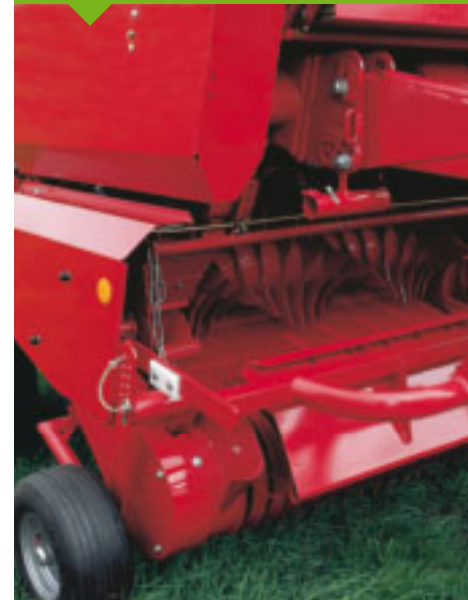
The feed rotor on this machine plus two heavy-duty augers on the pick-up ensure a good and steady flow of crop from the wide pick-up to the bale chamber. Due to the use of high-grade material, the open star-shaped rotor can cope with any foreign objects.



2 m wide pick-up, suitable for wide swaths.



Large feed rotor for optimum throughput.



### Baler Control E – anything a user may need

The Baler Control E unit is a simple yet highly efficient system that informs the operator as soon as the bale has reached its correct density. Thereafter, the operator can choose a set up for automatic or manual start of tying. Bale density is adjusted on the baler itself. The Baler Control E unit also indicates the number of bales produced per day as well as the total bale count.



### Robust and reliable

The Special model is fitted with the constant chain lubrication system ensuring durability even in the heaviest of conditions. As standard, the roller bearings on the drive side feature central lubrication. If operating under exceptionally heavy conditions, the baler can also be fitted with a central lubrication point for all roller bearings.

- 2.0 m pick-up.
- Star-shaped feed rotor.
- Automatic chain lubrication system.
- Bale chamber with 18 rollers.
- Baler Control E.
- Mechanical tail gate locking system.
- Self-cleaning bearing housings.



## Technical specifications

WELGER	RP 202 Classic	RP 202 Special
Roll chamber diameter (m)	1.25	
Roll chamber width (m)	1.23	
Roll chamber volume (m³)	1.50	
Tying material sisal twine running length (m/kg)	200 or 330	
Tying material plastic twine running length (m/kg)	400-700	
Tying material net running length (m)	2000 or 3000	
Tying material width (m)	1.23 or 1.30	
Tying material consumption/bales/twine (m)	47-120	
Tying material consumption/bales/net approx. (m)	10	
Pick-up width (m)	1.50	2.00
Pick-up rake width (m)	1.15	1.60
Pick-up tine spacing (mm)	64	
Dimensions L x W x H (m)	4.30x2.30x2.42	4.30x2.34x2.42
Required tractor power (kW/Hp)	33/45	36/50
PTO shaft (rpm)	540	
Permitted maximum speed unbraked (km/h)	25	
Permitted maximum speed with compressed air brake (km/h)		40
Baler Control E	S	S
Baler Control III	X	X
Height-adjustable drawbar	S	S
Pick-up 1.50 m with guide wheel	S	X
Pick-up guard plate/Standard pick-up	O	O
Pick-up 2.00 m/2.25 m with 2 guide wheels	X	S/X
Short crop plate	X	S
Variotwin two-thread twine-tying	S	S
Additional twine box (only for twine-tying)	O	O
Varionet net wrapping	O	O
Compressed air brake system for 40 km/h	X	X
Hydr. brake system (observe Road Traffic Licensing Regulations)	X	X
Tyres 11.5/80 R15.3 Impl	S	S
Tyres 15/55 R17	O	O
Tyres 19/45 R17	O	O
Tyres 500/60 R22.5	X	X
Universal joint with WW joint	S	S
Universal joint with free-wheel + WW joint	O	O
Universal joint with cam clutch, free-wheel and WW joint	X	O
Automatic chain lubrication	O	O
Lubrication system for roller bearings	O	O
Bale thrower	O	O

S = Standard / O =Option / X = Not available on this machine



## Lely Welger RP 245 – cutting edge baler technology

The Lely Welger RP 245 series constitutes the next step in our world renowned range of fixed chamber balers. This range has always led the field in terms of durability, bale density chopping quality and output. Thanks to the vast experience gained bailing silage worldwide the RP 245 range offers a large number of possibilities ensuring the best performing baler can be selected for any conceivable situation.





## The comprehensive range of options are among the major features of this range of balers

On a global scale, the differences between silage are huge. Climatic and field conditions will determine what is the ideal spec of your 245. There are a number of options available when it comes to chopping units, tying systems and lubrication systems as well as control facilities. The heart of the baler is constituted by the well proven 1.25 m diameter bale chamber with 18 Powergrip steel rollers. The bearings of these rollers can be tailored to all operating conditions. Choose a 245 to suit your requirements and experience many years of pleasant and highly efficient operation.

## 2.25 m pick up – maximum crop intake capacity

The standard pick-up of the Lely Welger RP 245 has a width of 2.25 m ensuring wide swaths can be picked up easily, even in tight turning angles. The pick-up has four tine bars and can be fitted with a short crop plate or a crop press roller ensuring a good crop pick-up and smooth intake all the time.

## The benefits of an efficient chopping device

- Lower costs per bale due to increased bale density.
- Increased forage intake by animals due to better conservation and feed quality.
- Time saving through ease of distribution at feeding time.

The additional investment in a chopping system is always worthwhile and therefore the Lely Welger RP 245 range offers three configurations with 13, 17 or 25 knives (Profi model).

## Mastercut<sup>13</sup> – affordable and rigid

The comprehensive range of state-of-the-art chopping units starts with the MasterCut<sup>13</sup> – 13 extra-long knives, reaching deep into the ring of the rotor, ensure consistent chopping of the crop. Crops can be chopped to a bare minimum of 90 mm. The two-star rotor guarantees an impressive throughput assuring optimum output even in the heaviest of crops.

## Xtracut<sup>17</sup> – high throughput and ease of operation

The 17 knives of this chopping unit are divided in two groups of eight and nine knives which can be selected by the operator from the tractor cab. The 500 mm diameter chopping rotor has an exceptionally open construction ensuring that the spirally configured tines have a large grip of the crop. Due to this rotor construction, crop throughput to the bale chamber is massive ensuring high output when baling high volume crops.



### **Lely Welger RP 245 – extra-heavy bearings where loads are heaviest**

The bale chamber is equipped with 18 rollers and the three main rollers feature 50 mm thick shafts onto which double-row bearings are fitted. Since all bearing housings allow lubrication, this baler is even more suited to baling silage.



### **Spring-loaded, carried and limited for the cleanest possible crop pick-up**

It is not the only function of the two single-acting hydraulic rams behind the pick-up to lift or lower the pick-up; these rams – fitted with adjustable springs – also constitute the pick-up's suspension. Due to these springs, the pick-up floats over the ground with a minimum weight, whereby the pick-up wheels operate as adjustable gauge wheels to ensure the correct working depth. At the moment when the pick-up needs to be lifted, the wheels can easily push the pick-up upwards. The maximum downward stroke is limited by two heavy-duty chains.

## **Worldwide experience generating the highest quality machines**

With over 100 years of baler experience Lely Welger RP balers set the standard in terms of quality and reliability. Some convincing examples: the rollers and intelligently engineered bearing housings which – even after years of baling heavy dense bales – require the least amount of maintenance.

## **Lely Welger RP 245 – impressive silage operations**

When operating in wet conditions and needing to bale large quantities of grass for silage this model exceeds all current standards. Exceptional performance and reliability are ensured by the Xtracut<sup>17</sup> chopping mechanism with its huge appetite and by the 50 mm diameter roller shafts and heavy bearings (optional). The strength of these shafts ensures precise alignment of the sprockets minimising chain wear. The rollers which experience the heaviest loads are fitted with double race bearings on the drive side.

## **Lubricated bearing housing for optimum performance, year after year**

The unique bearing housing on the Lely Welger RP fixed chamber round baler ensures stable alignment of all driving gears on the drive side of the machine thus eliminating undue wear and tear of chains. On the non-drive side, the sealed bearings can shift in their housings so that the lateral forces exerted by the pressure onto the bale chamber are perfectly absorbed. The unrivalled bearing system of these balers ensures lowest possible maintenance costs and supreme reliability.

## **Standard equipment on the Lely Welger RP 245 model includes:**

- 2.25 m pick-up.
- Master ring-type feed rotor.
- Automatic chain lubrication system.
- Bale chamber with 18 rollers.
- Baler Control E.
- Mechanical tail gate locking system.
- Self-cleaning bearing housings.
- Varionet net tying including Easy Load System.



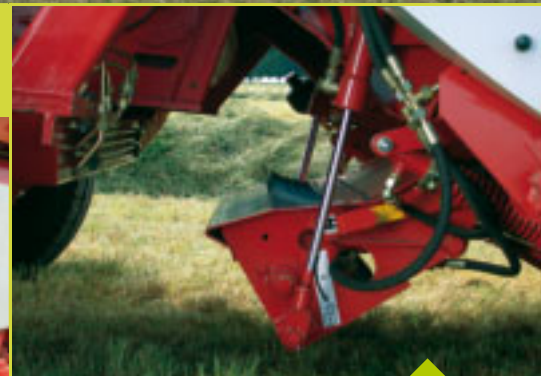
## Options

- Mastercut<sup>13</sup> chopping device.
- Xtracut<sup>17</sup> chopping device.
- Hydroflexcontrol anti blockage system.
- 50 mm bearings on all rollers.
- Greasable bearings on both sides.
- Variotwin twine tying (may be combined with net tying).
- Automatic greasing system.
- E-link control (page 29).
- Short crop plate or windguard roller for pick-up.
- 2 pick up guide wheels.
- Caster action pick up guide wheels.
- Bale discharge ramp.



Short crop plate.

Windguard roller for pick-up.

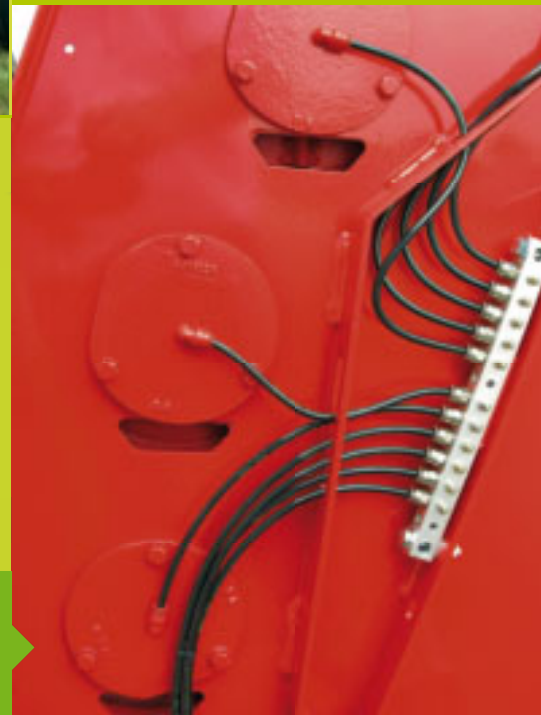


Hydroflexcontrol anti blockage system.

Caster action pick up guide wheels.



Greasable bearings on both sides.







## Lely Welger RP 245 Profi – designed specifically for high output, large contractor use

With heavy duty greasable bearings as well as the Xtracut<sup>25</sup> chopping unit, the Lely Welger RP 245 Profi is the premium baler model for silage. The Profi rotor has an excellent grip on all crop types and is renowned worldwide for its outstanding output. The highly transparent E-link control and Hydroflexcontrol ensure maximum efficiency of both man and machine.





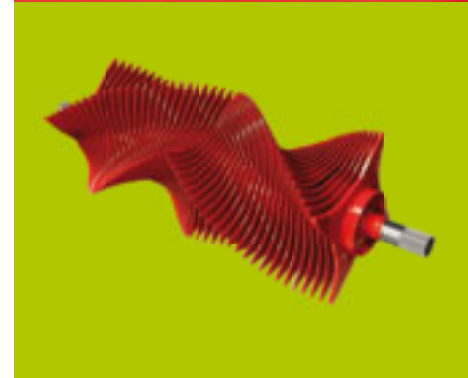
## Xtracut<sup>25</sup> – maximum comfort and optimum chopping facilities

The Lely Welger 245 Profi features an Xtracut<sup>25</sup> chopping system with selectable knife banks that was specifically designed for this model. The 25 knives can be split into different groups allowing various possibilities in terms of chopping length. The operator can select 25, 13 or 12 knives from the E-link handset in the tractor cab without having to physically remove the knives saving both time and effort.



## Profi rotor – never lets you down

Due to the large number of tines (four on each ring) the Lely Welger Profi rotor has a tremendous grip on the crop ensuring year-round silage operations. This high-grade rotor guarantees non-stop performance and superior chopping quality in all crop types and weather conditions.



## Roller bearings in “Profi” dimensions

The Lely Welger round baler RP 245 Profi is fitted all round, driven and non-driven side, with extra strong 50 mm diameter roller shafts. The strength of these shafts ensures precise alignment of the sprockets, thus minimizing chain wear. In addition, exceptionally large and sustainable roller double race roller bearings are fitted to withstand the heavy loads of the silage bales.



# Everything on display – everything under control

As standard, the Lely Welger RP 245 Profi comes with the easy-to-operate E-link Baler Control. This electronic control keeps the tractor driver informed about all operator functions of the machine. In addition, it allows easy pre-selection for hydraulic functions or adjustment of the different operating parameters as bale density, netlength or the selection of knife banks. Information as bale count and time can be stored individually.



## Options

- Variotwin twine tying (may be combined with net tying).
- Automatic greasing system.
- Short crop roller for pick-up.
- Swivel wheels for pick-up.
- Bale discharge ramp.

## Automatic bearing lubrication

To ensure ideal lubrication of roller bearings, an automatic greasing system is available.

## As standard, the Lely Welger RP 245 Profi model includes:

- 2.25 m pick-up.
- Profi star-type feed rotor.
- Xtracut chopping mechanism with 25 knives.
- Flexcontrol & Hydroflexcontrol anti blockage system.
- 50 mm shafts and heavy duty bearings on all rollers.
- Greasable bearings on both sides.
- E-link control.
- Double roller bearings on the drive side.



## Technical specifications

WELGER	RP 245	RP 245 Profi
Bale chamber diameter (m)	1.25	
Bale chamber width (m)	1.23	
Bale chamber volume (m³)	up to approx. 1.50	
Tying material net/running length (m)	2,000 or 3,000	
Pick-up width (m)	2.25/2.00	
Spacing between the outer tines (m)	1.86/1.60	
Tine spacing (mm)	64	
Dimensions Length x Width x Height (m)	4.98x2.32 (max. 2.70)x max. 2.76	
Required tractor power (kW/PS)	50/68	
PTO shaft (rpm)	540	
Permitted maximum speed unbraked (km/h)	25	
Permitted maximum speed braked (km/h)	40	
Baler Control E/E-Link*	S/O	X/S
Height-adjustable drawbar	S	S
Universal joint with free-wheel and cam clutch	S	S
Pick-up 2.25 m with guide wheels	S	S
Pick-up 2.00 m with guide wheels	O	O
Pick-up guide wheels, suspended	O	O
Power split gear transmission	S	S
Hydroflexcontrol baler channel*	O	S
Mastercut <sup>13</sup> crop chopping unit*	O	X
XtraCut <sup>17</sup> crop chopping unit*	O	X
XtraCut <sup>25</sup> crop chopping unit*	X	S
Variotwin twine-tying system	S	S
Varionet with ELS net wrapping*	O	O
Additional net roll holder*	O	O
Automatic chain lubrication	S	S
Permanent roller lubrication	O	O
Baler roller bearing, can be lubricated both sides	O	S
Compressed air brake system	O	O
Hydraulic brake system	O	O
Tyres 11.5/80-15.3	S	X
Tyres 15.0/55-17	O	S
Tyres 19.0/45-17 (500/40-17)	O	O
Tyres 500/60-22.5 (only up to 25 km/h)	O	O
Tyres 500/55-20	O	O
Tyres 505/50-R 17	O	O
Tyres 425/55-R 17 Allground	O	O
Bale thrower	O	O

S = Standard / O = Option / X = Not available on this machine



## Lely Attis HR 16

With high-quality silage, one of the prerequisites is that anaerobe conditions are produced as swiftly as possible. In plain language: air should be securely excluded immediately. The Lely/Welger engineers took this principle into account when developing the ATTIS HR 16 round baler wrapper. As a result, the company has been able to bring a machine onto the market which is characterised by its high load capability, its supremely easy operation and its unique ease of use.



The wrapping control on the ATTIS HR 16 allows the user to select three different operating modes:

### 1. Fully automatic operation

The touch of a button starts the load and wrapping processes, which runs until finished, fully automatically.

### 2. Semi-automatic operation

In this mode, the loading process is initiated. The loading arms grip the bale, the table pivots into the wrapping position and the loading arms travel to their resting position. If the start button is pressed again, the wrapping programme is activated. The following functions are operated electronically: gentle start-up and wrapping of the first layers, release of the initial layer from the film holder, complete wrapping of the bale and finally cutting and clamping of the film.

For safety reasons, the automatic ejection is always activated by pushing a button. The loading arms clamp and hold the finish-wrapped bale until the table has pivoted into vertical position and the bale contacts the ground. The advantage of this procedure is that the bale doesn't fall onto the ground but is lowered onto it gently. This helps to avoid damage to the film and prevents the bales rolling away in hilly regions.

### 3. Manual operation

In this mode, all functions can be pre-selected and carried out by pressing a button. Users have the possibility of reacting quickly to unusual operating conditions.

### Simple operation

The E Link wrapper control, with a completely graphical display, makes working with this device child's play. All parameters and functions are clear and easy to recognise - even in the dark.





## Secure bale pick-up and bale guidance

Bales that are uneven in shape can be firmly gripped by our clever clamping arms and loaded safely. Due to the machine's robust construction, the processing of bales with a diameter of up to 1.65 m and a weight of up to 1500 kg is possible. Large, specially shaped rollers position the bale securely onto the wrapping table. This means that the wrapping process can be continued whilst the machine is moving.



**Universal mounting system**

Of course, the ATTIS HR 16 can be used in other positions than on the rear hydraulic linkage of the tractor.

Tractor front hydraulic system and also telescopic handlers also work well.

**Film width 500 or 750 mm**

The pre-stretching unit is easily adjusted to the required film width without the need for an adapter. A single valve is required for adjustment, ensuring an even overlap of film to exclude any air.



## Technical specifications

LELY	ATTIS HR 16
Weight	approx. 760 kg
Length	1960 mm
Width	2150 mm
Height	3000 mm
Film width	500 or 750 mm
Pre-stretching	33, 55 or 70 %
Wrapper	
arm speed	27 rpm
Bale diameter	1.10 - 1.65 m
Bale width	1.15 - 1.25 m
Bale weight	max. 1500 kg
Oil amount from	20 l/min
Oil pressure from	160 - 210 bar
Hydraulic connections	1 SA + 1 FL
Power supply	12 V DC





## Live Life Lely

Since its establishment, Lely has always been committed to improving the quality of life of agricultural entrepreneurs as well as the future of the sector. In addition, the company is innovative in its products as well as its concepts for marketing and distribution.

- Lely is committed to helping farmers ahead of market developments.
- Lely always supplies the most innovative products to farmers and contractors.
- Lely provides customers with optimum customer service.
- Everything Lely invents will always serve to make life easier for the benefit of both man and animal as well as providing joy to all our employees.

In short: we at Lely do our work in order to serve farmers and to make their lives as enjoyable as possible. From grassland machinery to the automatic milking system, Lely thinks with the farmer and has offered him innovative solutions for the past 60 years.



Lely really cares for the environment.

Lely, Astronaut, Astri, Astrodata, Atlantis, Attis, Calm, Commodus, Compedes, Cosmix, Discovery, E-link, Fertiliner, Gravitor, Grazeway, Hibiscus, Hubble, Juno, L4C, Lely Center, Lelywash, Lotus, Luna, Nautilus, Orbiter, Shuttle, Splendimo, T4C, Tigo, Viseo, Voyager and Welger are registered trademarks of the Lely Group. The right of exclusive use belongs to the companies of the Lely Group. All rights reserved. The information given in this publication is provided for information purposes only and does not constitute an offer for sale. Certain products may not be available in individual countries and products supplied may differ from those illustrated. No part of this publication may be copied or published by means of printing, photocopying, microfilm or any other process whatsoever without prior permission in writing by Lely Holding S.à r.l. Although the contents of this publication have been compiled with the greatest possible care, Lely cannot accept liability for any damage that might arise from errors or omissions in this publication.

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