LELY WELGER

Fixed-chamber balers

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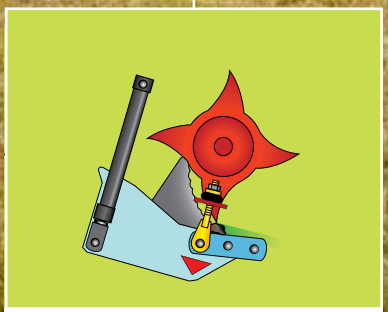
innovators in agriculture

It’s a pleasure opening each new bale



Reliable throughput
Output is decided by the space that is available for the crop to flow into the machine. Blockages are avoided due to the Hydroflexcontrol system.

Wide pick-up for maximum output
The 2.25 m camless pick-up easily picks up wide swaths, even on sharp bends. The five tine bars ensure excellent crop pick-up as well as smooth crop intake, eliminating any loss of crop.

Gentle handling of the grass is essential for high-grade forage

The proof that round bales make excellent quality silage is the low ammonia content. Opening a fresh bale and breathing in the fresh smell indicates the outstanding quality of the silage.

Round balers provide the benefit of the crop being picked up, chopped, packed and consolidated by the wrapper which instantly seals in the quality. A good chopping mechanism makes packing the bale easier because the crop can be compacted more effectively, thanks to the shorter stem length.

High bale density every time
High bale density reduces major costs such as binding material (net/twine), wrapping film and transport. Mechanical locking of the bale chamber ensures exceptionally heavy, firm, consistent and evenly shaped bales.

Special rollers for a long lifespan
The ten ribs of each roller are pressed into the thick-walled tube (3.20 mm) in a special production process. Each roller is constructed from a seamless tube with a minimum number of welds, ensuring unrivalled reliability.

Good chopping provides many benefits
A timely change of blades ensures an effective chopping action. Thanks to the Xtracut system, both knife banks can be engaged from the tractor seat, ensuring consistently high output.

What you feed is what you get!

Harvest results

A million cows are milked daily by Lely robotic milking systems but it's not only the Astronaut that makes robotic milking such a success. It's the knowledge and experience of our employees that help farmers to achieve the best results with their cows.

That's why we know – more than anybody else – that good quality roughage is the basis of your success. It ensures good animal health, maximum fodder intake and avoids additional cost for concentrates and additives…

Your forage harvesting is the start for good and efficient milk and meat production.

Camless pick-up for modern balers

The camless pick-up of Lely Welger RP balers has been designed as a result of the increased output from these machines. Improved crop throughput to the bale chamber has eliminated the need for the specific movement of a conventional pick-up. With no cam track the pick-up consists of fewer moving parts. It is more reliable, less sensitive to wear, quiet and maintenance friendly.

More tine bars – cleaner pick-up

Due to the additional space created through the absence of a cam track, five tine bars are now fitted to the pick-up. With the tines spaced just 64 mm apart, this ensures an optimal pick-up capacity resulting even better and cleaner crop intake.

New pick-up – new tines

The tines are the most crucial part of a pick-up and therefore a completely new tine has been developed for the camless pick-up:

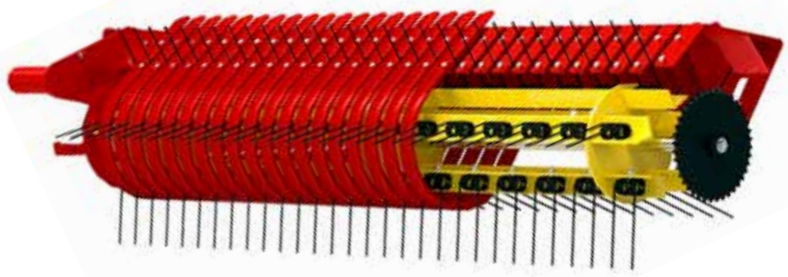
- The angle of the tine has been adjusted to ensure the cleanest possible crop pick-up under all conditions.
- The longer tine is more flexible and features improved ground adaptation possibilities.
- The tine is made of material with a 5.60 mm thickness for an increased lifespan. Due to the larger coil, the tine remains flexible.
- Improved tine fixation prevents tine breakage as the tension within the material is more evenly spread.

Closer to the rotor – improved crop throughput

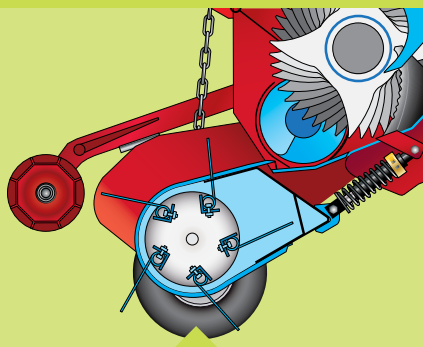
Due to its compact design the new pick-up is positioned closer to the rotor. This ensures an improved crop flow to the bale chamber, well-shaped uniform bales and increased baling output.

More reliable thanks to non-steered tines

Since the camless pick-up does not have a cam track, the pick-up unit consists of fewer moving parts. This is more reliable, less sensitive to wear, quiet and maintenance friendly. The result is clear to see: lower maintenance costs and a higher trade-in value!



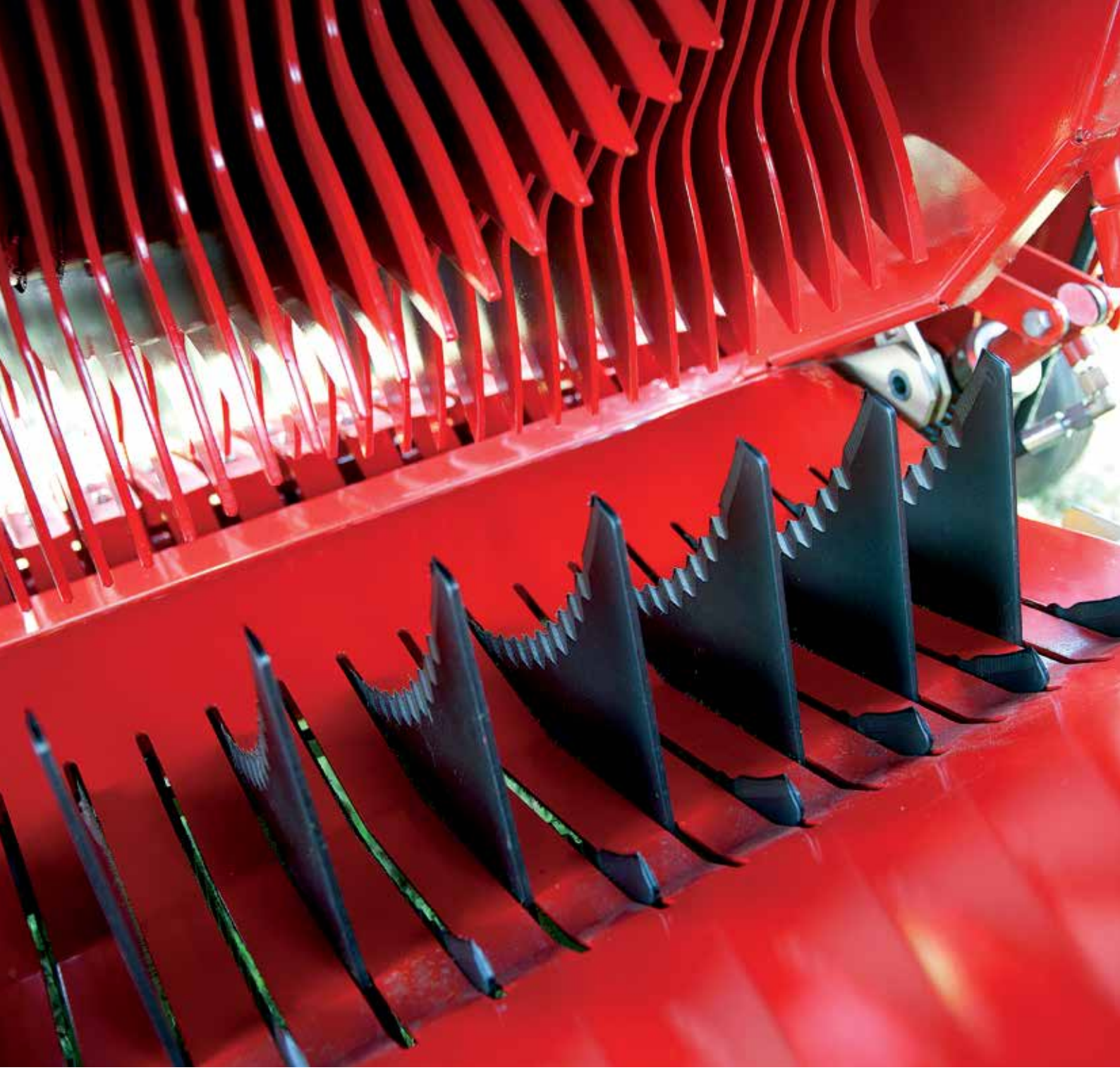
Strong tines
The 5.60 mm Heavy Duty tine is fitted as standard on the camless pick-up.



No cam track
The pick-up has a rotor with five fixed tine bars and therefore fewer moving parts.

Closer to the rotor
Due to its more compact design the new pick-up is closer to the rotor ensuring better crop flow.

Crop press roller
The crop press roller is reinforced to avoid damage when it is raised by the crop flow.



Chopping silage improves your results in many ways

Lely Welger offers 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 would actually need a reason 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 easier compaction of the forage. This ensures that 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 cut well 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 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 has designed the Xtracut[17] and Xtracut[25] chopping units with selectable knife banks. From the E-link control box in the cab the operator can choose various knife bank selections when baling different crops, which is ideal for contractors. When the baler is equipped with a BCE control box, the groups are selected manually on the machine.

Chopping lengths that can be easily adjusted

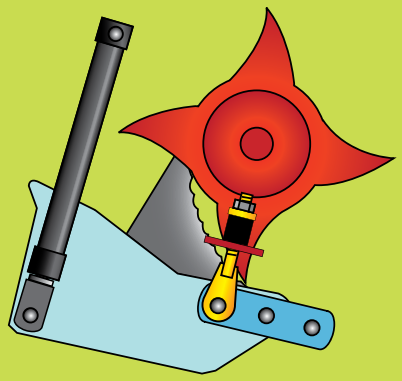
Both Xtracut versions have two sets of knife banks that are hydraulically protected. So on the Xtracut[17] you have an option of not chopping, or of having eight, nine or seventeen knives engaged. With the Xtracut[25] you have a choice of not chopping, or of having twelve, thirteen or twenty-five knives engaged. For the Xtracut[25] this means a chopping length of 45 mm when all knives are engaged, or 90 mm when using twelve knives.

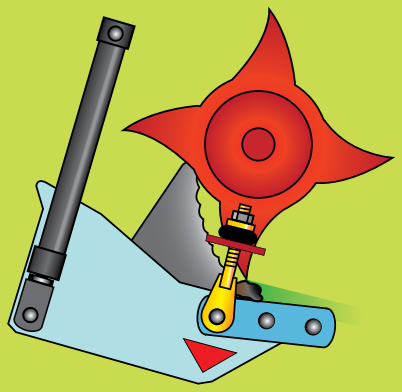
Always sharp knives

Consistently sharp knives ensure a proper chopping action and prevent excessive fuel consumption. The Xtracut option offers flexibility to the operator using one of the two banks of knives. When necessary the other 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 – a unique advantage

Quite often, time for harvesting is limited and sometimes operators overstep a baler's limits in terms of overload capacity. These limits are determined by the space the crop has to flow through in 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 the case of a peak load, while at the same time reducing downtime as a result of an incorrect forward speed or resolving a blockage.





Flexcontrol + Hydroflex = increased baling output with less downtime

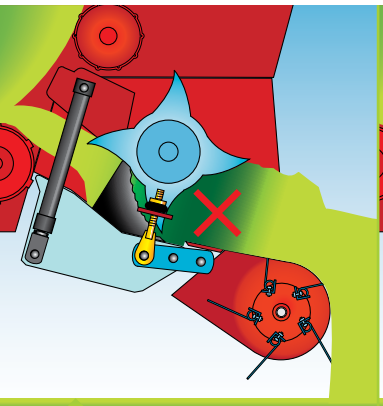
The two functions that are hidden in the name Hydroflexcontrol relate to the Hydroflex floor which is underneath the rotor. The flex part avoids blockages; the hydro part solves blockages as and when they may occur. All Lely Welger balers with a chopping unit can be fitted with the Hydroflexcontrol system.

The flexible floor deals with peak loads

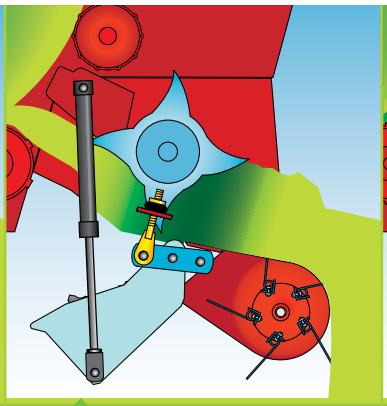
Flexcontrol is situated under the rotor where the feed passage is at its narrowest. It allows movement of the front part of the feed chamber floor which can flex up and down via a rubber suspension unit – hence the word 'flex'. If a small foreign object or a wet lump of material is picked up from the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

Dealing with blockages from the tractor cab

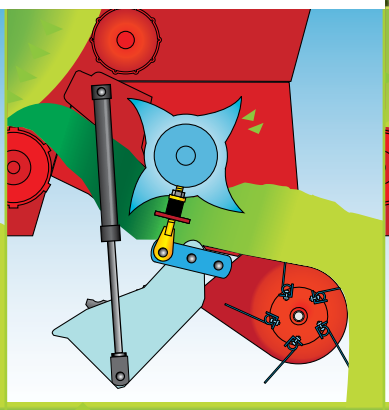
The second feature is the hydraulic stage, whereby the rear of the feed table floor can be lowered hydraulically from the tractor seat to clear the rotor of any blockage. When lowering the feed table floor, the fact that all knives are also withdrawn ensures that the blockage has passed into the bale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



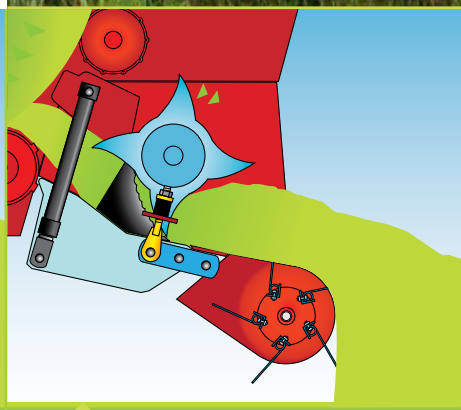
Step 1
Blockage.



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



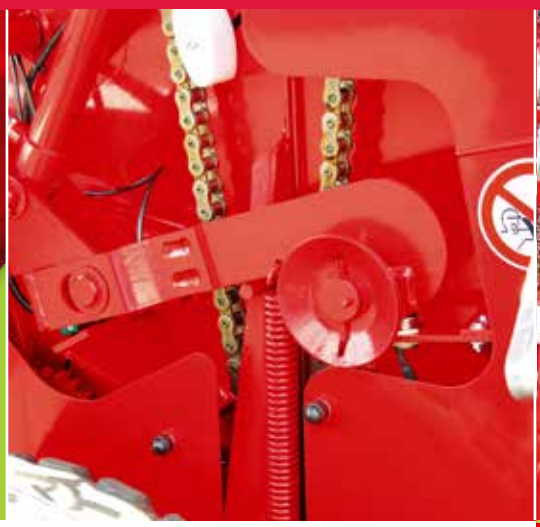
Step 3
Drive is engaged and blockage passes into the bale chamber.



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

Saving time and money

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



Bale rotation and pressure ensure bale density

The bale chamber, which is fitted with eighteen Powergrip steel rollers, ensures 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 round. A bare minimum of space between the rollers ensures 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 eighteen 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 3.20 mm tube. With each roller being seamless, the material structure gives the rollers an unparalleled 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 a high bale density and capacity

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. Bale density is determined through accurate measuring of the position of the tail-gate hooks. These hooks are linked up to high-grade rubber blocks which increase the pressure that the bale chamber exerts on the bale.

This mechanical system ensures a very high capacity and can withstand the highest pressure. It is not liable to a loss of pressure as in hydraulic systems. The result is evenly sized, high-density, stable bales with little crop loss. Opening the tail gate is fast and easy as only a single-acting hydraulic connection is required for opening it.

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 tail gate always closes perfectly, 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 and reduces the time required for tying the bales, which in turn increases output per hour.

Varionet – for perfect bale coverage every time

We do not 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 placed in the frame ready for use. It could not 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.

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

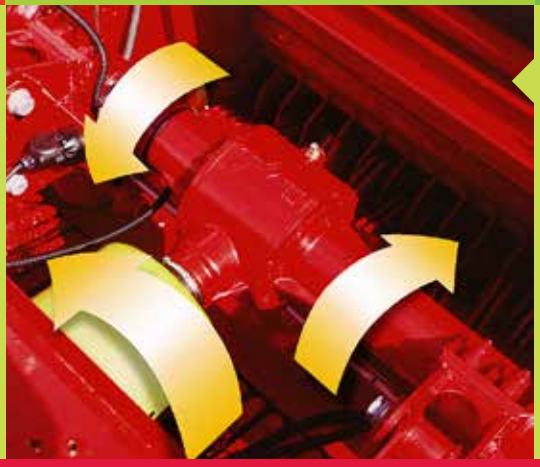
All Lely Welger RP balers are designed to allow twine- and net-tying.

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 the key when it comes to absorbing major forces in various directions. By ensuring that the rollers and the bale chamber can move with respect to 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 housings 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 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 onto the chain. The large capacity of the oil reservoir means that oil does not have to be replenished on a regular basis.



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.

Our experience can’t be bought – that’s why you get it for free!

You work with our machines in the great outdoors, an environment that is greatly influenced by the soil, weather and other external factors. New challenges are presented to machines every day. If you run into a problem it is essential that any breakdowns resulting from damaged parts are limited to an absolute minimum. It is for this reason that our dealers are geared up to respond rapidly, so that your activities can be resumed as soon as possible. They hold stocks of the most essential parts and have the expertise needed to get the machine in question performing optimally again. Furthermore, they can rely on the back-up of the Lely organisation seven days a week. So opting for Lely entails more than just choosing a machine. We ensure that your forage harvesting goes smoothly.

Lely Welger

RP 205

RP 245

RPC 245 Tornado

Lely Welger RP 205

This baler features many similarities to the Lely Welger 245, but is simple in operation and does not require a high horsepower. This is the ideal machine for small and medium-sized operations which do not want to chop their crops.

TECHNICAL SPECIFICATIONS

WELGER	RP 205
Bale chamber diameter (m)	1.25
Roll chamber width (m)	1.23
Roll chamber volume up to approx. (m³)	1.50
Pick-up width (m)	2.25
Dimensions: length x width x height (m)	4.95 x 2.30 x 2.75

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 thirteen to twenty-five 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	2.25
Dimensions: length x width x height (m)	4.98 x 2.32-2.70 x 2.76	4.98 x 2.32-2.70 x 2.76

Lely Welger RPC 245 Tornado

The Lely Welger RPC 245 Tornado combines the proven RP 245 Profi fixed-chamber baler with the fastest wrapping system in the market place. The time the Tornado takes to wrap a bale is so short that the output of the fixed-chamber baler can be maximised.

TECHNICAL SPECIFICATIONS

WELGER	RPC 245 Tornado
Bale chamber diameter (m)	1.25
Roll chamber width (m)	1.23
Roll chamber volume up to approx. (m³)	1.50
Pick-up width (m)	2.25
Dimensions: length x width x height (m)	5.90 x 2.80 x 3.00

Lely Welger RP 205 – simple and robust balers for high-density bales

The Lely Welger RP 205 is intended for baling dry materials like hay and straw without chopping, so the baler design is quite simple. It is a high-quality baler for companies that only bale hay and straw. The 2.25 m wide pick-up ensures it is also suitable for the wide swaths of combine harvesters.

Larger intake and perfect bales

The Lely Welger RP 205 is equipped with the tried and tested bale chamber with eighteen rollers and mechanical tail-gate locking system. The unprecedented capacity of this bale chamber is well known. The RP 205 is equipped with a spacious packer feed rotor as standard so this capacity can be utilised even in the most dense crops. The Lely Welger RP 205 has no chopping system as an option. As a consequence, this series offers excellent possibilities for cattle farmers and contractors who do not need to chop, but who do want to make heavy bales.

Easy to adjust

The new drawbar for the Lely Welger RP 205 is already used in other Lely Welger round balers. It is very easy to set this new two-section drawbar into the correct position. Consequently the bale chamber is always in the right position behind the tractor.

Maximum crop pick-up

A unique characteristic of the baler is a new 2.25 m camless pick-up. The five tine bar pick-up is equipped with new tines that are robustly attached. The clever placement of the tracks and the short distance to the rotor ensure good crop throughput.

Intelligent drive

The Lely Welger RP 205 is equipped with a simple one-sided drive. The bale chamber does not have a chopping system, so a strong drive is not needed. The lighter one-sided drive demands little power and saves fuel.

Eco-friendly chain lubrication

Narrow swaths and wet crops present the biggest challenge to the baler drive. With that in mind, the standard automatic chain-lubrication system ensures that all drive chains are constantly lubricated, guaranteeing a long life. The amount of oil can be set for each chain. The oil is applied directly onto the chain with brushes.

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

Eco-friendly chain lubrication.

Balercontrol E – anything a user may need

The Balercontrol 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 Balercontrol E unit also indicates the number of bales produced per day as well as the total bale count.

As standard, the Lely Welger RP 205 model comes with

- 2.25 m camless pick-up.
- Star-shaped feed rotor.
- Automatic chain lubrication.
- Bale chamber with eighteen rollers.
- Balercontrol E.
- Mechanical tail-gate locking system.
- Self-cleaning bearing housings.

Technical specifications

WELGER	RP 205
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)	2,000 or 3,000
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)	2.25
Pick-up rake width (m)	1.86
Pick-up tine spacing (mm)	64
Dimensions: length x width x height (m)	4.95 x 2.30 x 2.75
Required tractor power (kW/Hp)	50/65
PTO shaft (rpm)	540
Permitted maximum speed unbraked (km/h)	25
Permitted maximum speed with compressed air brake (km/h)	40
Balercontrol E	S
Balercontrol III	X
Height-adjustable drawbar	S
Pick-up guard plate	O
Pick-up 2.25 m	S
Two guide wheels	O
Short crop plate	O
Variotwin two-thread twine-tying	O
Additional twine box (only for twine-tying)	O
Varionet net wrapping	O
Compressed air brake system for 40 km/h	X
Hydraulic brake system (observes Road Traffic Licensing Regulations)	X
Tyres 11.5/80-R15.3 Impl	S
Tyres 15/55-R17	O
Tyres 19/45-R17	O
Tyres 500/60-R22.5	X
Universal joint with WW joint	S
Universal joint with free wheel + WW joint	O
Universal joint with cam clutch, free wheel and WW joint	O
Automatic chain lubrication	S
Lubrication system for roller bearings	O
Bale ramp	O

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

Lely Welger RP 245 – cutting-edge baler technology

The Lely Welger RP 245 series 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 that 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. Climate and field conditions will determine 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 eighteen 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.

Wide pick-up – large swaths

The RP 245 model has a 2.25 m wide camless pick-up with five tine bars. Pick-up capacity is huge; the long 5.60 mm tines have large coils and are therefore ideal for retrieving the crop from high stubble. Due to their great flexibility, the tines can easily adjust to uneven ground contours, thus eliminating contamination. Suspension of the pick-up is adjustable and perfect ground contour following is ensured in combination with the height chains and pick-up wheels.

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.

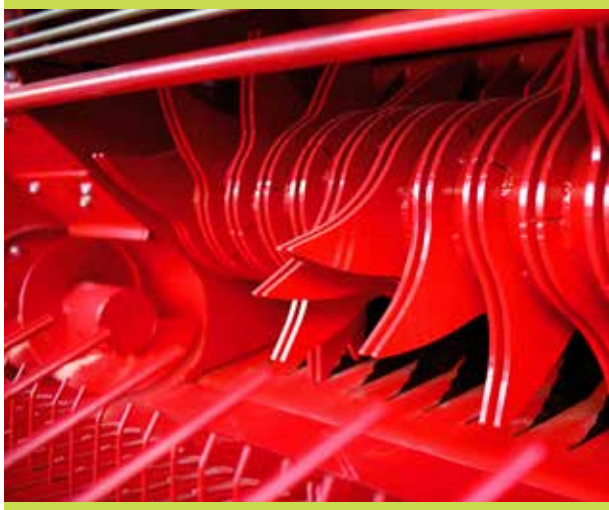
The additional investment in a chopping system is always worthwhile, and therefore the Lely Welger RP 245 range offers three configurations with thirteen, seventeen or twenty-five knives (Profi model).

Mastercut[13] – affordable and rigid

The comprehensive range of state-of-the-art chopping units starts with the Mastercut[13] – thirteen 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[17] – high throughput and ease of operation

The seventeen knives of this chopping unit are divided into two groups of eight and nine knives which can be selected by the operator from the tractor cab. The large chopping rotor has an exceptionally open construction ensuring that the spirally configured tines have a good 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 – bearings for all circumstances

The bale chamber is equipped with eighteen rollers. The bearings of these rollers can be chosen between:

1. Single-trace non-greaseable bearings of 35 mm and 40 mm on the rollers where the loads are heaviest.
2. Single-trace non-greaseable bearings of 50 mm on all rollers.
3. Single-trace greaseable bearings of 50 mm and double-trace greaseable bearings of 50 mm on the rollers where the loads are heaviest.

Spring-loaded and carried for the cleanest 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 work as the pick-up's suspension. Due to these springs, the pick-up floats over the ground with a minimum weight, with the pick-up wheels operating 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. This means of suspension reduces the stress on the pick-up in uneven fields significantly.

Worldwide experience generating the highest-quality machines

With over one hundred 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 no maintenance in many cases.

Lely Welger RP 245 – impressive silage operations

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[17] 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 can be fitted with double-race bearings on the drive side.

Lubricated bearing housings 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 on 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 wide camless pick-up.
- Wind-guard roller for pick-up.
- Master ring-type feed rotor.
- Automatic chain-lubrication system.
- Bale chamber with eighteen rollers.
- Balercontrol E.
- Mechanical tail-gate locking system.
- Self-cleaning bearing housings.
- Varionet net-tying including Easy Load System.

Options

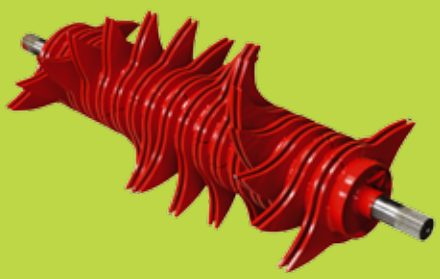
- Mastercut[13] chopping device.
- Xtracut[17] chopping device.
- Hydroflexcontrol anti-blockage system.
- 50 mm bearings on all rollers.
- Greaseable bearings on both sides.
- Variotwin twine-tying (may be combined with net-tying).
- Automatic greasing system.
- E-link control.
- Two pick-up guide wheels.
- Castor action pick-up guide wheels.
- Bale discharge ramp.

Short crop plate.

Wind-guard roller for pick-up.

Hydroflexcontrol anti-blockage system.

Castor action pick-up guide wheels.



Greaseable bearings on both sides.

Technical specifications

WELGER	RP 245
Bale chamber diameter (m)	1.25
Bale chamber width (m)	1.23
Bale chamber volume (m³)	1.50
Tying material net/running length (m)	2,000 or 3,000
Pick-up width (m)	2.25
Spacing between the outer tines (m)	1.86
Tine spacing (mm)	64
Dimensions: length x width x height (m)	4.98 x 2.32 (max. 2.70) x max. 2.76
Required tractor power (kW/Hp)	65/85
PTO shaft (rpm)	540
Permitted maximum speed unbraked (km/h)	25
Permitted maximum speed braked (km/h)	40
Balercontrol E/E-link	S/O
Height-adjustable drawbar	S
Universal joint with free wheel and cam clutch	S
Pick-up 2.25 m with guide wheels	S
Pick-up 2.00 m with guide wheels	O
Pick-up guide wheels, suspended	O
Powersplit gear transmission	S
Hydroflexcontrol baler channel	O
Mastercut[13] crop chopping unit	O
Xtracut[17] crop chopping unit	O
Xtracut[25] crop chopping unit	X
Variotwin twine-tying system	S
Varionet with ELS net wrapping	O
Additional net roll holder	O
Automatic chain lubrication	S
Permanent roller lubrication	O
Baler roller bearing, can be lubricated both sides	O
Compressed air brake system	O
Hydraulic brake system	O
Tyres 11.5/80-15.3	S
Tyres 15.0/55-17	O
Tyres 19.0/45-17 (500/40-17)	O
Tyres 500/60-22.5 (only up to 25 km/h)	O
Tyres 500/55-20	O
Tyres 505/50-R17	O
Tyres 425/55-R17 Allground	O
Bale thrower	O

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

Lely Welger RP 245 Profi – designed specifically for high output and contractor use

With heavy-duty greaseable bearings as well as the Xtracut[25] 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 easy to operate E-link control and Hydroflexcontrol ensure maximum efficiency of both man and machine.

Xtracut^{25} – maximum comfort and optimum chopping facilities

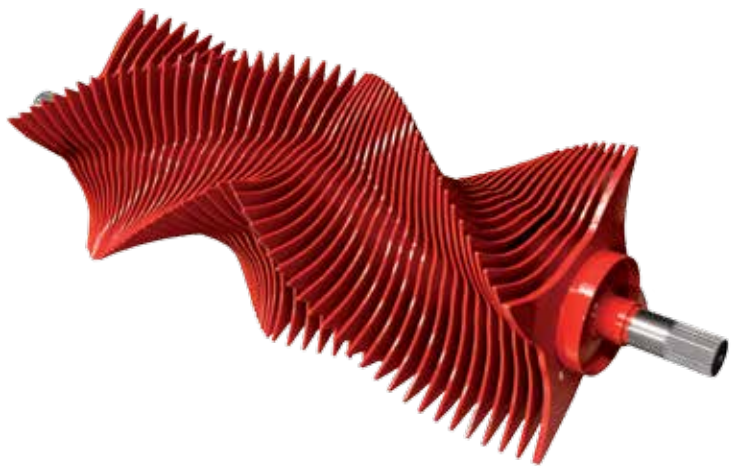
The Lely Welger 245 Profi features an Xtracut^{25} chopping system with selectable knife banks that was specifically designed for this model. The twenty-five knives can be split into different groups allowing various possibilities in terms of chopping length. The operator can select twenty-five, thirteen or twelve 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 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, drive and non-drive side, with extra-strong 50 mm diameter roller shafts. The strength of these shafts ensures precise alignment of the sprockets, thus minimising chain wear. In addition, exceptionally large and sustainable double-race roller bearings are fitted on the drive side 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 Balercontrol. This electronic control keeps the tractor driver informed about all operator functions of the machine. In addition, it allows easy pre-selection of hydraulic functions or adjustment of the different operating parameters such as bale density, net length and the selection of knife banks. Information such 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 wide camless pick-up.
- Profi star-type feed rotor.
- Xtracut chopping mechanism with twenty-five knives.
- Flexcontrol & Hydroflexcontrol anti-blockage system.
- 50 mm shafts and heavy-duty bearings on all rollers.
- Greaseable bearings on both sides.
- E-link control.
- Double roller bearings on the drive side.

Technical specifications

WELGER	RP 245 Profi
Bale chamber diameter (m)	1.25
Bale chamber width (m)	1.23
Bale chamber volume (m³)	1.50
Tying material net/running length (m)	2,000 or 3,000
Pick-up width (m)	2.25
Spacing between the outer tines (m)	1.86
Tine spacing (mm)	64
Dimensions: length x width x height (m)	4.98 x 2.32 (max. 2.70) x max. 2.76
Required tractor power (kW/Hp)	80/100
PTO shaft (rpm)	540
Permitted maximum speed unbraked (km/h)	25
Permitted maximum speed braked (km/h)	40
Balercontrol E/E-link	X/S
Height-adjustable drawbar	S
Universal joint with free wheel and cam clutch	S
Pick-up 2.25 m with guide wheels	S
Pick-up 2.00 m with guide wheels	O
Pick-up guide wheels, suspended	O
Powersplit gear transmission	S
Hydroflexcontrol baler channel	S
Mastercut[13] crop chopping unit	O
Xtracut[17] crop chopping unit	O
Xtracut[25] crop chopping unit	S
Variotwin twine-tying system	S
Varionet with ELS net wrapping	O
Additional net roll holder	O
Automatic chain lubrication	S
Permanent roller lubrication	O
Baler roller bearing, can be lubricated both sides	O
Compressed air brake system	O
Hydraulic brake system	O
Tyres 11.5/80-15.3	S
Tyres 15.0/55-17	O
Tyres 19.0/45-17 (500/40-17)	O
Tyres 500/60-22.5 (only up to 25 km/h)	O
Tyres 500/55-20	O
Tyres 505/50-R17	O
Tyres 425/55-R17 Allground	O
Bale thrower	O

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

Lely Welger RPC 245 Tornado

Time plays a major role during the silage season – and time is money. Who has never experienced these problems: rain clouds are threatening or the sun is scorching the grass, causing it to dry out far too quickly. Every minute, or even every second, counts in these situations. Thank goodness for the Lely Welger RPC 245 Tornado. This machine does not waste a second when picking up the crop, compacting it, transferring it to the wrapper and wrapping and discharging it!

The wrapper rotates even before the tail gate is closed.

The Tornado wrapping system – the new benchmark

The entirely new set-up of this baler/wrapper springs from the idea of designing a wrapping system that is so fast that bales can be perfectly wrapped without limiting the high capacity of the baler.

Tail gate open, tail gate closed and off you go

If you want to be really fast, you need to utilise every split second, just like a 100 m sprinter. This is exactly what the wrapping system does. The machine's quick bale transfer is a perfect example of optimum time saving; the baler being positioned higher, the bale – steered by the bale guidance – is transferred smoothly onto the wrapping table. As a result the tail gate can be closed immediately. At the same time, the ring wrapper makes optimum use of the space behind the tail gate. The fact is that the Tornado is already wrapping even before the tail gate is closed!

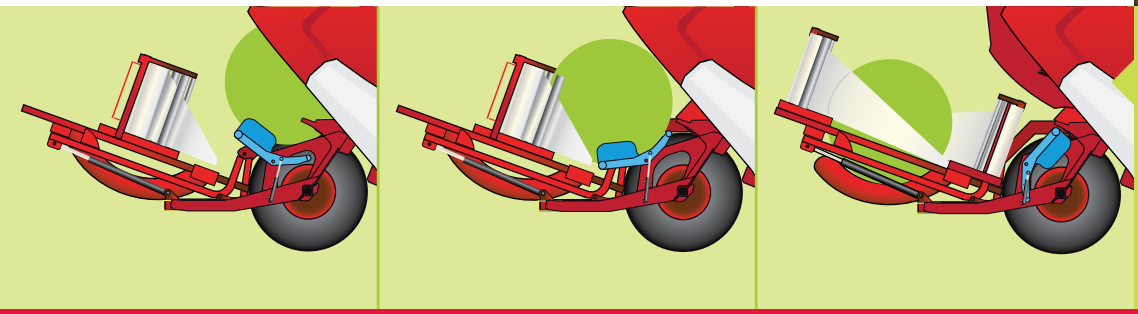
Fast and steady bale transfer

The major gain in speed is in the bale transfer; even with difficult angles, the bale will smoothly roll onto the wrapping table. The transfer between the baler and the wrapping table is smooth and accurate, even on steep slopes.

Smooth drive – little maintenance

The ring is driven by rubber drive rollers, while two other rollers ensure that the position is maintained as well as tensioning the ring. Also, the ring is supported by rubber rollers so that the entire assembly operates very smoothly and is noise free. The brake device consists of brake shoes that are pressed against the wrapping ring.

Silent drive of the wrapper by rubber rollers.



Smooth bale transfer – even on extremely steep slopes.

Simple film-break sensor; in the case of a broken film, the bale can be wrapped with the remaining one, or the ring will stop and the broken film can be repaired – programmed from the handset.

A consistent overlap during the bale rotation being monitored.

New and highly compact film clamps with a huge scope.

Careful depositing of bales on the ground due to the low position of the wrapping table.

Automatically the right number of film layers

The essential factors for automatic operation of the wrapper are bale diameter and the required number of film layers. Therefore the computer automatically calculates the number of rotations that are needed to provide the bale with the required number of film layers.

Correct rpm quickly reached

Time saving during the wrapping process contributes greatly to the short cycle time of this baler/wrapper. Due to the smooth drive of the ring wrapper, the film rollers can be quickly adjusted to correct rpm rates. The film clamps also play an important part. Thanks to the re-engineered construction, only a small opening is required to release the film, and consequently the wrapper does not have to slow down needlessly.

Baling without wrapping

The wrapper can be switched off for the baling of hay or straw; the completed bale would then be transferred via the table to the ground, or retained until a second bale is formed so that two bales can be deposited together.

New big rotor
The huge rotor with six tines on each ring guarantees outstanding crop flow.

Hydroflexcontrol
Obviously, the Tornado has Hydroflexcontrol for the rotor as standard.

Large tyres
The large tyres ensure minimum ground compaction/ damage, and also give good stability both in the field and in road transport.

Film clamps – large reach, smooth operation

Because of the film height, the film clamps need to have a very large reach. Therefore, the two step film clamps have an exceptionally wide opening through two steps. The locking method ensures maximum grip on the film so that it is properly cut and held in position.

A well-known baler with a new feeding system

The heart of this baler/wrapper – the familiar RP 245 fixed-chamber baler – has proved its outstanding bale density, output and reliability for many years. On that score, there is absolutely no doubt that the extra-large cutting rotor adds a new dimension to its reputation. The generous set-up of the rotor – with six tines on each ring – features the Xtracut[25] chopping unit.

Hydroflex, of course

Every Lely Welger baler with a chopper rotor can be fitted with the Hydroflex feeding channel floor. The rubber blocks ensure that the floor can flex downwards underneath the rotor so that a stone or crop lump can pass through. Should a blockage occur, the floor can pivot downwards so that the problem can be easily sorted.

Camless pick-up

The Tornado features a re-engineered 2.25 m wide pick-up without a cam. The revolution speed of the five tine bar pick-up, augers and rotor have been adjusted in such a way that a perfect pick-up and flow of crop is ensured. Since the pick-up does not have a cam track, the number of rotating parts is minimal, making this combination baler/wrapper even more reliable and maintenance friendly.

Fourteen film rolls: two on the ring and twelve underneath the guards.

Easy change of film rolls.

Exceptionally compact in the transport position due to the nearly vertical configuration of the wrapping ring.

Suited to upper and lower linkage.

Easy manual controls at the rear of the wrapper.

Bale tipper.

Exceptionally compact in transport

Up to now, roads with hedges, narrow bridges and gates have always remained an obstacle for many agricultural machines. This new baler/wrapper combination has been designed so that its transport width remains restricted to a mere 2.80 m with a length of only 5.90 m! Combined with the wide tyres, the upshot is an outstandingly manoeuvrable, stable and versatile machine.

As standard, the Tornado comes with

- 2.25 m camless pick-up castor wheels for pick-up.
- Extra large Profi rotor.
- Xtracut^{25} chopping unit.
- Hydroflexcontrol.
- ADS drive system and Opticlean rollers.
- Varionet net-tying system.
- Pro-link control unit.
- Automatic chain lubrication.
- Drive shaft with cam clutch.
- Storage for twelve rolls of film.
- Tyres 710/40R22.5.
- Film break sensors.

Technical specifications

WELGER	RPC 245 Tornado
Bale chamber diameter (m)	1.25
Bale chamber width (m)	1.23
Bale chamber volume (m³)	1.50
Transport length (m)	5.90
Transport width (m)	2.80
Transport height (m)	3.00
Weight (kg)	5,950
Pick-up width (m)	2.25
Pick-up rake width (m)	1.86
Pick-up tine bars	5
Pick-up tine spacing (mm)	64
Pick-up type	Camless
Crop press roller	S
Pick-up swivel wheels	S
PTO speed (rpm)	540
Wide-angle PTO shaft	S
Power requirements (kW/Hp)	97/130
Hydraulic requirements	1 x DA, 1 x press (40 l/min), 1 x free return / 1 x DA + LS
Load-sensing preparation	S
Powersplit transmission	S
Automatic chain lubrication	S
Xtracut[25]	S
Hydroflex	S
Pro-link control	S
Varionet net wrap	S
Film holders (mm)	2 x 750
Extra film rolls	12
Film-break sensor	S
Wrapping cycle time for six film layers (seconds)	45
Tyres 710/40R22.5	S
Additional net roll storage	1
Hydraulic brakes	S
Air brakes	O
Bale tipper	O

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

Passionate about farming

Lely has a long and deep history of recognizing the needs of modern farmers. Our products are developed with the cow as starting point. We strive to let her excel and as such, we supply products to farmers and contractors ranging from forage harvesting, to feeding, housing, caring, milking and energy sourcing. In addition we boast specific knowledge and experience in facilitating farmers to get the best out of their equipment. As such our in-depth knowledge of the complete farm cycle – from grass to glass – is unrivalled in the agricultural business.

We are committed to a sustainable, profitable and enjoyable future in farming.

Lely really cares for the environment.

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