

ROUNDBALER

RB - 544 / 544 SILAGE PACK / 544 SILAGE PACK HD



CASE IH
AGRICULTURE

SPECIALISED FOR **HIGH DENSITY BALING**





INTRODUCTION

Reliability and consistency should be basic requirements of any round baler, but few others reliably produce consistent bales time after time like the Case IH RB544. Reliability comes courtesy of a simple yet effective design with features such as the use of sealed bearings, ensuring that servicing is quick and easy, and a few daily checks are all that's necessary before a day's baling can commence. Consistency comes courtesy of the Compression Roll System (CRS), which features 18 precision-engineered 200mm rollers with a special surface profile for maximum crop contact.

Three models are available:

- RB544 round balers as basic models with net-wrap.
- RB544 silage pack for wrapping operations with a choice of net- or film pre-wrap.
- RB544 silage pack HD for contractor operations with a choice for net- or film pre-wrap and an even higher bale density.

SILAGE AND MORE

Whether your business requires baling of silage for high-energy basic rations, straw for bedding or hay for roughage: The RB544 baler series will deliver – thorough, gentle, efficient, and to your full satisfaction. All key components have been revised, combining new high performance components. Three models are available to give you the best possible performance.

THE STANDARD RB544 – FOR PERFECT BALES IN HAY SILAGE AND STRAW

This baler converts your swaths of straw and hay into neat and dense 122 x 125cm bales.

THE RB544 SILAGE PACK WITH WRAPPER – FOR DENSE AND WELL PACKED SILAGE

With the wrapper attached to the baler, you can bale and preserve high quality silage at the same time. The 122 x 125cm bales are densely packed and tightly sealed for minimum losses for long storage periods.

THE RB544 SILAGE PACK HD WITH WRAPPER – FOR DEMANDING CONTRACTOR WORK

High speed, high performance, high density, high quality: The 122 x 135cm bales of the RB544 HD equally satisfy contractors and their clients.

MODEL	RB544	RB544 SILAGE PACK	RB544 SILAGE PACK HD
Bale dimensions width x diameter (cm)	122 x 125	122 x 125	122 x 135

THE SILAGE PROFESSIONALS

INCREASED BALE DENSITY – HIGHER FORAGE VALUE

Silage baling is all about getting good quality grass from swath to stack as quickly and cleanly as possible, whether dealing with high dry matter material or dense green crops.

Case IH RB544 round balers are designed to bale your grass rapidly and reliably, regardless of the challenges that climate, weather or ground conditions may create, to ensure maximum preservation of leaf quality and sugar content. Their ability to compact the plant material to make bales of the highest density means they actually produce fewer bales per hectare, reducing wrapping and transport costs while retaining silage quality.



PICK-UP

Whether you're dealing with first cut or late-season short-stemmed material, long stalks or bulky, leafy grass, the five-bar pick-up ensures a high feedrate, while keeping losses to a minimum.



ROTOR CUTTER

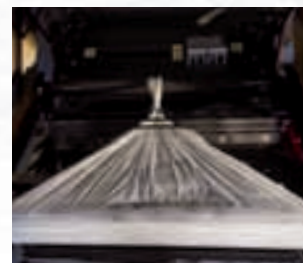
The large diameter feeder draws the material into the chopper knives, which process it to an average length of 51mm. The hardened knives remain sharp – and therefore fuel-efficient – for as long as possible, for thorough, accurate, efficient cutting. They are spring-protected and re-set automatically in case of a hard object being picked up. Knives can be extracted and replaced without tools.



BALE CHAMBER

Eighteen compression rollers firmly but gently compress the silage to exclude air, and form high density round bales 1.2m wide and 1.25m in diameter (1.3m on HD versions). The rollers run in unique constantly lubricated bushes that are able to withstand the rigours of performing in tough, high-moisture conditions. Active chamber control on Silage Pack HD balers provides extra high-density performance.





NET OR PLASTIC FILM PRE-WRAPPING

RB544 round balers feature net-wrap (basic) and plastic/net wrapping options (Silage Pack, Silage Pack HD). Applying film in the bale chamber replaces net-wrap, protects the grass quickly, reduces further wraps on the wrapping table, and ensures bales are more easily unwrapped especially in freezing conditions. Film rolls can be easily exchanged for net ones if required.



WRAPPING TABLE

Airtight wrapping is completed by two satellite arms on the wrapping table. The overlap between the film layers can be adapted to your needs. When wrapping is complete, the high-speed table can place bales on the ground either conventionally or on their ends. This prevents bales from rolling downhill on sloping fields.



CHAMBER CONTROL ON RB544 SILAGE PACK HD

The RB544's unique Active Chamber Control (ACC) constantly monitors and adjusts density to ensure material is packed tightly and consistently into each bale. The result is maximum density bales with minimal air inclusion, helping to reduce the risk of spoilage and ensure bales keep their shape over long storage periods.



PERFORMANCE MONITOR - OPERATOR CONTROL

Operation is made easier by a baler monitor display that features large numbers and letters to ensure data is easy to read during both day and night. The screen is divided into information and settings areas, with all settings easily accessed, ensuring they can be quickly altered to suit changing conditions, or re-configured to the factory settings if required.



TYRE OPTIONS

All models are equipped with large, low-pressure flotation tyres to ensure minimal field damage, while tandem axles on wrapper models further reduce ground pressure. The bottom line is that grass regrowth is unhindered, meaning high quality crops can be produced cut after cut.

WELL-ROUNDED RESULTS

RB544



SMOOTH BALING IN ALL CONDITIONS

At Case IH we understand that high yielding first cuts need a baler which is ready to handle loads of forage quickly, efficiently and reliably. This is why we have designed and built the sturdy RB544 series: They give you optimum performance and results also in high yielding, hectic harvesting-seasons, when working under time-constraints or threats of poor weather. When you start baling, you know perfectly well what you want to achieve: Dense and uniform bales of high quality, energy rich feedstuff, and high quality straw. The RB544 series baler, sets the standard for high quality bales.

Distinct features of the RB544 balers include the strong and reliable drive, a swath roller for loss free pick up, improved feeding efficient work of the rotor cutter with long lasting chopper knives, and bushes which are designed and built for long working hours and extreme reliability.



5 BAR PICK-UP

The challenge is to pick up the crop from the swath with a high feed rate and with as little loss and dirt as possible. You are perfectly right to expect top results from your baler, in leafy as well as short or long stemmed material, and whether it is first cut or late season harvest. Your RB544 baler performs!



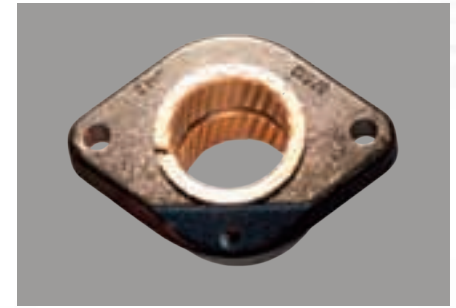
SWATH ROLLER

If the swath, due to windy conditions or headland turns – is uneven with varying amounts and density of material, the swath roller compresses the crop for swift efficient collection by the pick-up.



FEEDER AND CHOPPER KNIVES

The large diameter feeder pulls the material into the chopper knives, which are hardened and remain sharp for long working hours, reducing power and fuel demand. The knives reach deep into the bale chamber and effectively cut the material to an average length of 52mm. Spring protected knives reset automatically after the impact of foreign objects. Maintenance is easy as no tools are needed to extract and replace knives.



BUSHES

When compared to conventional bearings, it becomes obvious that the bushes of the compression rollers on your RB544 provide improved durability. They also perform well under conditions of high pressure and moisture. This pays back in terms of reduced and easier maintenance as well as lower running cost.

BALE 'N' WRAP

RB544 SILAGE PACK



RELIABLE, EFFICIENT AND GENTLE ON YOUR FIELDS

With the RB544 Silage Pack, you get the best in class baler-wrapper combination. In the bale chamber, 18 pressure rollers compress the air out of the silage to form neat, dense, high quality bales. These pressure rollers run in unique bushes which are designed to perform in the toughest baling conditions. The Active Chamber Control (ACC) on the RB544 Silage Pack HD with its increased working pressure results in even denser bales. Building on extensive Case IH expertise, these balers feature high quality components and proven technologies which have demonstrated the ability to perform and exceed your expectations. In terms of workflow and efficiency, this baler-wrapper combination is an ideal solution to improve your economic performance. Last but not least, the large tyres of the Case IH RB544 Round Baler offer excellent flotation, reduce soil compaction and secure the regrowth of the next crop.

BALE CHAMBER

The harvested crop is firmly compacted in the bale chamber. The 1.2m wide and 1.25m in diameter bales are formed by 18 compression rollers (1.35m bales on HD baler versions only). The extremely robust bushes of these compression rollers come from an industrial application working under extreme conditions. They are constantly lubricated, preventing moisture ingress either during baling or after washing down for winter storage.

PRESSURE ROLLERS

The compressing action of the 18 pressure rollers form high density bales. To withstand the high pressures in the bale chamber and for lasting reliability, the pressure rollers are made of 4mm steel. The profile on the rollers, which are driven by an automatically lubricated chain, ensures continuous grip on the bales for positive crop rotation.

ACTIVE CHAMBER CONTROL ON HD BALER

The Case IH RB544 Silage Pack HD features the new ACC – the Active Chamber Control. ACC allows the bale chamber door to pulsate. Whilst the baler pressure is continuously controlled and adjusted, this pulsation makes the bale even denser. The technology improves bale density by up to 15% when compared to systems with static pressure or mechanical pressure adjustments. This means bales will retain their shape during long periods of storage and – equally important – fewer bales per hectare reducing costs for film and transportation.



INCREASED BALE DENSITY

RB544 SILAGE PACK HD



AIRTIGHT WRAP FOR HIGH FORAGE VALUE

The quality of the bale you produce and store for your livestock depends on the crop condition, the time and method of harvest – and in the case of silage on the air tightness. Where net-wrap can be sufficient for hay and straw, silage demands secure airtight wrapping.

The RB544 Round Baler series leaves the choice to you: For hay and straw, choose the RB544 with net-wrapping. These dense, stable bales are ideal for transportation and storage.

For silage the RB544 Silage Pack or even the RB544 Silage Pack HD, both offering combined net/plastic film pre-wrapping with in the baling process. You will get bales with lasting high quality silage.

NET OR PLASTIC FILM PRE-WRAPPING

There are clear advantages associated with pre-wrapping the bales with film in the bale chamber. These include the elimination of net-wrap, less film – and time needed for the high-speed wrapping process on the wrapping table, associated cost savings, and an improved air tight barrier, maintaining higher forage quality during storage. Bales can also be utilised more easily and with less wastage in periods of frost, when net might get frozen into the bale. Replacing the net with wide pre-stretched film also increases the pressure in the bale.

In case that film wrapping should not be required, film rolls can be exchanged within minutes for net rolls.

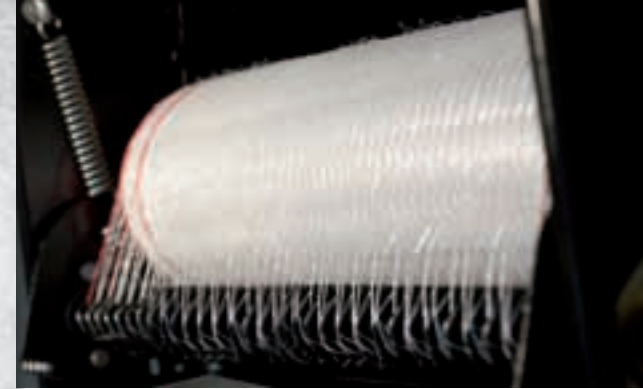
BALE HANDLING WITHOUT DAMAGE

Possible damage to the airtight foil – and the subsequent loss of silage quality – can be avoided by using a rubber mat at the back end of the machine for gentle placement of the bales. The mat provides a secure protective platform from foreign objects that could puncture the plastic film.

For easier handling and to prevent bales from rolling on sloping ground, bales can be deposited on their side.

TANDEM / TYRES

Tandem axles and large tyres 500/50 x R17 are standard on Case IH RB544 Silage Pack balers. In combination with low tyre pressures and good weight transfer, this offers excellent flotation, low ground pressure and maximum soil and crop protection. For safety all four wheels have brakes.





AUTOMATIC BALE MANAGEMENT CONTROL

INTUITIVE AND EASY TO UNDERSTAND CONTROLS

- The control display contains an info and a setting section, the large letters make it easy to read during day and night operation.
- The current status of the baler is shown continuously, and all adjustments can be easily seen to suit the respective working conditions.
- Factory settings are permanently stored in the system, so resetting to the original factory setup is possible at any time: No information will be lost.

CANBUS ELECTRONICS

CanBus electronics support you in achieving the optimum performance of the baler. Different sensors around the baler provide data on the workflow and work rate providing accurate data to allow monitoring of the baling process as well as the bales. For easy maintenance and service, all these sensors have the same specification. Furthermore, all baler models are equipped with the same control panel with an easy to read menu. This menu is programmable for different languages.

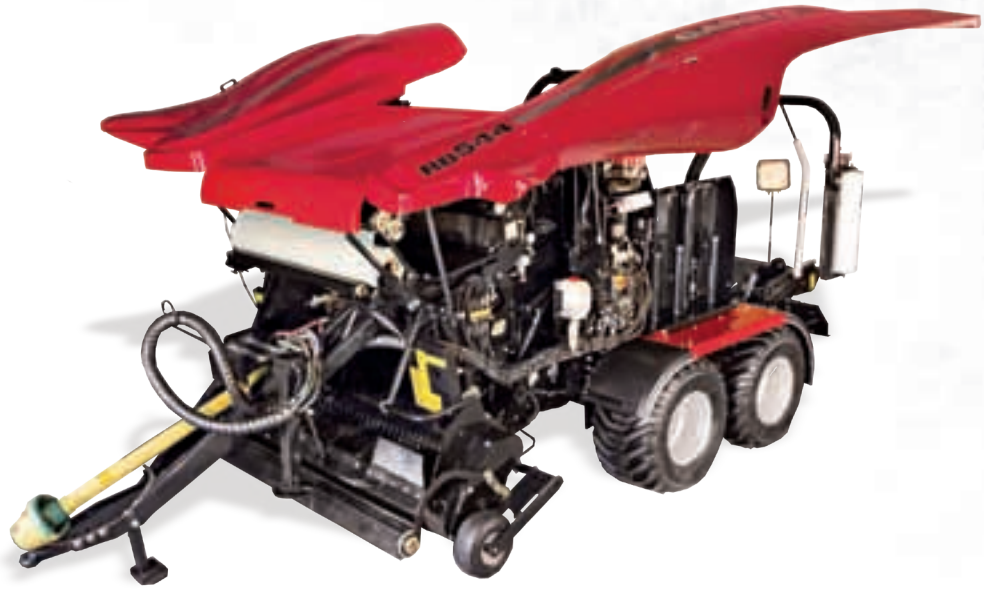


DON'T LOSE TIME ON SERVICE

Keep driving! Instead of spending precious time on daily servicing, get out to the field in double quick time. All heavy duty drives are on the right hand side, so there is no unnecessary walking around the baler. Routine servicing is so straight forward that daily checks are completed in no time.

BIG FOLDING SHIELDS FOR EASY ACCESS

Easy access to service points via large folding gas strut assisted shields. The shields open upwards, providing unobstructed access.



All hydraulic functions are grouped on the left-hand side of the baler, so checking and adjusting is easy.



The bushes for the compression rollers are fixed in place with two bolts. These can be replaced without removing the roller.



Hydraulic oil and central greasing canisters are placed at eye level for easy checking and refilling.



Knives can be easily checked and replaced without any tools – quick and easy.

PROFESSIONAL SUPPORT

Case IH has more professionals in the field than any competitor. Our dealers have the experience to support you with your fleet and equipment management, to help you maximise yields and optimise economic results.

The Case IH service technicians have the expertise to assist and advise you before, during and after the sale, and CNH Capital will work together with you to customise financing solutions exactly to what is best for you and the needs of your farm.

If parts are needed to keep your equipment going, they will show the quality and reliability you expect, and they will be available fast.



ALL THE PARTS AND SERVICE TO KEEP YOUR EQUIPMENT RUNNING

Find the full line of Case IH parts and components at your local dealer. Plus full service maintenance programmes and industry-leading warranties. It's expertise applied by skilled, factory-trained service professionals committed to providing you maximum uptime, season after season.



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Case IH Max Service is a customer support service that provides 24-hour, seven-day-a-week access to the people, products, and parts support needed to keep your operation running during the times most critical to your profitability. Max Service backs up your dealer with every resource available to Case IH, to help maximize uptime and productivity of Case IH equipment and increase your return on investment through access to product experts and 24/7 Emergency Breakdown Assistance.



OFFERING FINANCING SOLUTIONS FOR MORE THAN 50 YEARS

CNH Capital's extensive experience in the agricultural industry has created a deep understanding of your unique needs. Competitive equipment financing with flexible payments can reduce upfront payments with operating and finance leases. For other needs choose from credit cards specific to the agricultural industry. We can even help you finance crop-input products or land rental. There are financing options that fit the way you farm. CNH Capital helps you find them.

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MODELS	RB544	RB544 SILAGE PACK	RB544 SILAGE PACK HD
BALE DIMENSIONS			
Width (cm)	122	122	122
Diameter (cm)	125	125	135
TRACTOR REQUIREMENT			
Minimum PTO power (kW/hp(CV))	55 / 75	80 / 109	100 / 136
Hydraulic distributors	3	3	1
PICK-UP			
Width, effective (DIN 11220) (m)	2.1	2.1	2.2
Flotation	Adjustable spring	Adjustable spring	Adjustable spring
Pick-up bars	5	5	5
Number of pick-up tines per row	16	16	17
INTEGRATED CHOPPING SYSTEM			
Chopper	Rotor with dual tines - rotor width 1,4m		
Maximum number of knives	20	20	20
Theoretical chop length (mm)	52	52	52
Knife protection	Spring tensioned	Spring tensioned	Spring tensioned
BALE CHAMBER			
Number of compression rollers	18 profiled, reinforced rollers - driven by automatically oiled heavy duty chain		
WRAPPING SYSTEM			
Type	Performance monitor controlled		
Wrap type	Net	Net / plastic	
Film application	-	Twin satellites 750mm	Twin satellites 750mm
Wrapping capacity (approximate bales/hour)	-	40-50	40-55
BALE DENSITY CONTROL			
Type	Mechanical	Mechanical	Active Chamber Control and bale process monitoring
TYRES			
Standard	500/60 x 22.5	500/50 R 17	500/50 R 17
BALER DIMENSIONS¹⁾			
Total length (mm)	3,860	5,900	6,200
Total height (mm)	2,150	2,650	2,800
Width (mm)	2,720	2,990	2,750
Weight (kg) ²⁾	2,800	4,500	4,900
OTHER EQUIPMENT			
Automatic greasing	●	●	●
Working lights on wrapper	-	○	○
Camera control of wrapping	-	○	○
Bale flipper to turn bale on its side	-	○	○


● Standard Equipment


○ Optional at extra costs

- Not available

¹⁾ With standard tyres

²⁾ Depending on configuration

 Safety never hurts! Always read the Operator's Manual before working with any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment. Case IH recommends  lubricants.

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