



# NEW HOLLAND ROLL-BELT

Roll-Belt 150 | Roll-Belt 180





# NEW ROLL-BELT. CHANGE YOUR BALING STYLE

New Holland has led the roll baler segment for over 25 years, and has introduced a string of pioneering firsts that have revolutionised the way variable chamber balers operate today. Over 225,000 roll belt balers are working around the globe in the expert hands of farmers and contractors to bring the harvest home. The latest generation is set to redefine round baling with advanced roll belt technology that can improve capacity by up to 20% and density by up to 5%. What's more, operations can select between a 150cm or 180cm maximum bale size to suit their individual needs. The Roll-Belt baler will also captivate the eye with its distinctive sweeping lines, which add a touch of class to every baling operation.



## OUTSTANDING CAPACITY

Think variable chamber productivity. Think New Holland Roll-Belt baler. Capacity has been increased by up to 20% thanks to the redesigned pick-up. Just imagine clearing every field 20% faster, or doing 20% more work every day! This higher throughput means more crop is baled at optimum conditions. The feed assist roller makes all of this possible, funnelling crop into the rotor even more efficiently. Seconds have been shaved off already impressive wrap times to get you back to baling even more quickly.

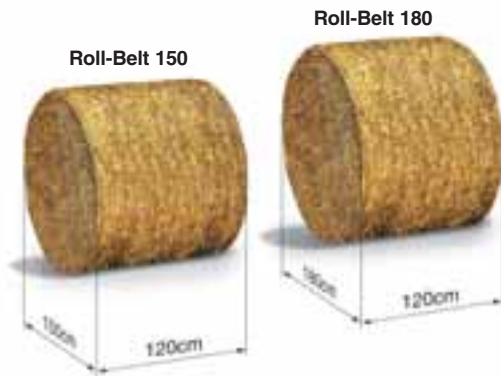


## BALE QUALITY

The Roll-Belt guarantees top drawer bale quality. Always. Density sensors on either side of the chamber maintain uniform density and the rollers guarantee dense core formation for excellent storage and handling properties. The endless belts are controlled by a network of sensors to ensure they only expand when the required density has been reached. Furthermore, uniform net/twine wrapping completes the package.







### EXACTLY WHAT IT SAYS ON THE SHIELDING

The Roll-Belt baler's size is immediately obvious to all users. How? Quite simply it's on the shielding. The Roll-Belt name refers to the endless belts used to form the bale. The 150 or the 180 refer to the maximum bale diameter in centimetres. What does that mean to you? You can buy your Roll-Belt baler safe in the knowledge that its size will perfectly match your requirements. Trust New Holland for ultimate productivity peace of mind.



### EASE OF OWNERSHIP

The Roll-Belt baler belongs in the field, and efficient servicing and maintenance mean your baler will spend more time in the field, earning its keep, as opposed to being kept. The one piece side and front shields mean operators have unparalleled access to all service points and moving parts to keep the baler in tip-top condition. All service points can be reached from the ground and additional net storage enhances baler autonomy. Open. Service. Close. Job done.



### ABSOLUTE BALING PLEASURE

Operators will relish long baling days as the Roll-Belt baler has been designed with them in mind. A range of monitor options, including ISOBUS compatibility alongside the optional IntelliView™ III colour touchscreen monitor make operating the baler as easy as 1-2-3. Drop floor technology, which can be operated from the cab, increases productivity and reduces operator fatigue. The optional hydraulic rotor reverser function further reduces the effort required for baling.





# A LONG HISTORY OF ROLL BELT BALING FROM NEW HOLLAND

New Holland invented modern baling over 70 years ago with the invention of the world's very first self-tying pick-up baler in 1940, and an unceasing quest for continual innovation was started. The very first round baler was launched back in back in 1974. Fast forward 15 years to 1989, and the first roll-belt baler was produced, the Model 630, and the rest, as they say, is history.

Born in New Holland's ancestral home and Centre of Round Baling Excellence in Pennsylvania, USA, today's Roll-Belt balers have been designed and developed in Plock, Poland, in collaboration with New Holland's Centre of Harvesting Excellence in Zedelgem, Belgium. An extensive European testing programme means your Roll-Belt baler will satisfy your individual needs. Why? Because it's been tested in a field very similar to yours.



**1974:** The very first round baler is developed, the Model 850 and uses chains to produce a 150cm bale.

**1976:** The range's popularity leads to the introduction of the Model 845, which produces smaller, 120cm bales.

**1978:** The fast expanding range now features the Models 851 and 846.

**1979:** The Model 852 proves a hit with farmers.

**1982:** The most advanced chain baler to date is unleashed: the Model 849.

**1989:** The face of variable chamber baling changed forever with the introduction of the Model 630, the very first belt baler.

**1991:** Keen to enhance performance, New Holland upped the game with the Models 650 and 660.

**1992:** Responding to requests from hay and forage contractors, the Model 640 Silage Special is launched: delivering super dense bales.

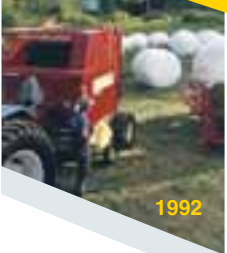
**1995:** Bale-Slice™ technology is introduced on the Model 664 Silage Special. Enabling greater nutritional values, it became popular with livestock farmers the world over.

**2002:** The upgraded BR700 series is launched, and the all new BR740 CropCutter, for the finest chop, densest silage bales, is launched.

**2005:** The BR-A series comes into being, which offers a greater choice for baling professionals.

**2006:** The milestone of 200,000 round balers is reached at the New Holland production facility in Pennsylvania, USA. Testament to the baler's universal popularity.

## 2013 THE HISTORY OF SUCCESS CONTINUES!



1992



1995



2002



2005



2006



2007



2013

**2007:** The BR7000 is unveiled to the world, with 4 models, it is the most complete baling offering to date.

**2013:** The Roll-Belt baler with 20% higher capacity, distinctive New Holland styling and advanced features is set to significantly enhance baler productivity.



## THE FASTEST WAY TO CLEAR FIELDS

The pick-up is perhaps one of the most important parts of your Roll-Belt baler. After all, it's the only chance you have to get your crop in! Get it right, and you'll bale all of the crop. Get it wrong and you wave good bye to your profits. New Holland took this to heart, and has completely redesigned the pick-up to boost capacity by up to 20%. Available in two widths, 2 and the ultra-wide 2.3 metre version, you can also select between two tine bar configurations. If that wasn't enough, state-of-the-art baling technology ensures uniform flow for non-stop, high capacity baling.



### CUSTOMISABLE FLOATATION PERFORMANCE

Pick-up floatation can be regulated using two easy to adjust springs, one on either side of the pick-up. Select the more rigid setting for flat fields when baling uniform straw swaths, or the most flexible setting when working in undulating terrain or in uneven silage swaths for lightning fast reactivity.



### ULTIMATE FEEDING PERFORMANCE

A brand new feeding logic has been developed which is set to significantly improve baler efficiency. The system uses two contra rotating overshot and undershot augers to direct and merge the crop flow into the rotor. Efficient throughput has been further enhanced with the addition of a feed assist roller. This positively directs the crop into the rotor to maintain a constant crop flow at all times.



### **SELECT THE TINE BAR TO SUIT YOUR NEEDS**

The four tine bar pick-up is perfect for light hay and straw-focused operations which operate in flat, even fields. The standard heavy duty five bar solid tine pick-up has been designed for silage operations or those which work in stony or uneven ground. The solid rubber tines are 10% stiffer than conventional tines and can last up to five times longer for sustained baling performance, no matter what the crop, no matter what the conditions.



### **FROM ROAD TO FIELD IN THE BLINK OF AN EYE**

New Holland knows that during tight baling windows every second counts when it comes to bringing the crop home in optimum condition. This requirement provided the inspiration for the all-new castoring gauge wheels. Quickly transform the Roll-Belt baler from transport to field mode by simply swivelling the gauge wheels into position. No tools. No need to remove. Simply swivel the wheels into place for hassle free baling.



### **UNIFORM CROP FLOW**

Standard on all Roll-belt balers is the fully adjustable roller windguard with pivoting back plate. This continually rotates to flow of crop into the baler, eliminating any disturbances which could lead to crop loss or density-impacting air pockets to increase crop processing efficiency. Operations can even regulate the height of the roller wind guard to guarantee optimal flow into the baler.



## FLEXIBLE CROP PROCESSING SOLUTIONS

What are your bales going to be used for? As no two baling operations are the same, the Roll-Belt baler offers different crop processing options to suit your individual requirements. The SuperFeed™ option enables straight through processing, to maintain long unbroken straw. CropCutter™ models guarantee super fine chopping for the densest, most nutritious bales. No matter what the crop, growing conditions or usage profile, the Roll-Belt baler has an option which is right for you.



### LONG UNBROKEN STRAW AND HAY THANKS TO THE SUPERFEED™ SYSTEM

The renowned 'W' shape rotor pattern on the SuperFeed™ system guarantees an even spread of the cutting force for a smooth cutting action and uniform chopping performance. The ingenious design not only divides the power requirement equally over the two rotor halves, but also ensures an equal distribution of the crop. With 15 rows of fingers, each with three tines, this positive feeding solution maintains optimal crop integrity.



### MAXIMUM PERFORMANCE AND HASSLE FREE OPERATION WITH DROP FLOOR TECHNOLOGY

When working at maximum capacity, and in the very densest silage swaths, the bale pick-up sometimes becomes blocked by large wedges of crop. New Holland baler operators have asked for a more efficient unblocking system, with the drop floor technology New Holland has delivered. The new drop floor functionality lowers the floor of the pick-up at the touch of the button, activated from the comfort for the cab, which enlarges the space to allow more crop to enter the baler. This facilitates non-stop baling and reduces productivity impacting downtime, as well as significantly enhancing operator comfort.



### HIGHLY EFFICIENCY CROPCUTTER™ SYSTEM

Utilising the same 'W' pattern rotor configuration, the 15 integrated knives guarantee super fine chopping, ideal for silage or chopped straw for bedding.



### EFFICIENT HYDRAULIC REVERSER

When baling flat out in matted or tangled crops, material can wrap around the rotor clogging it. This is where the optional hydraulic reverser function steps in. Operated from the cab, it uses a ratchet system to counter rotate the rotor to spit out clogged material to get you baling again even quicker, and also banishes the manual tugging and pulling of crops to the history books.



### EASY SHARPENING AND HARD FACED KNIFE KIT

The entire knife drawer can be unlocked and the knives removed for easy sharpening. The hard-faced knife kit for CropCutter™ models is constructed from specially treated steel to increase knife durability and longevity in difficult crops. These knives can last up to three times as long as standard knives.



## THE PERFECT BALE FOR YOUR OPERATION

New Holland has perfected bale formation and its 225,000 roll-belt balers are testament to this success. The combination of both rollers and belts ensures that bales are perfectly formed with a dense core. Furthermore, even density across the entire bale makes them resistant to extensive handling and improves the fermentation profile of silage bales. The variable chamber technology means that operations can vary the size of the bale produced in 5cm increments, from 90cm right up to 150 or 180cm to enhance baling flexibility. The Roll-Belt baler, as individual as your farm.







### THE DENSEST CORES AROUND

Bale density is decided right from the very first roll, that's why five fixed rollers, which form a natural 'D' shape are used. This shape has been proven, during extensive testing, to produce the densest bale core.



### ENDLESS BELTS FOR ENDLESS BALING EFFICIENCY

Improving reliability. Reducing losses. The new endless four 273mm wide belts mean you've got baling all wrapped up. Constructed from advanced materials, the self-cleaning belts have been specifically engineered to maintain even better contact with the crop, especially when working in short grasses. They exert a uniform pressure for more even bale formation, and the decreased belt 'wobble' further enhances durability and reliability. Want more? They reduce maintenance too!



### THE ULTIMATE IN EASY MAINTENANCE

Laced belts are the default choice for customers looking for the ultimate in easy maintenance. Should a belt snap, it can be quickly and easily replaced using all-new low profile alligator staples for near seamless joining. Strong and durable, they are perfect for all conditions.

### FULLY EJECTING BALES

The spring loaded bale ramp ensures that the bale is fully ejected from the bale chamber, and it prevents the baler rolling back to maintain tailgate clearance. The Roll-Belt baler, designed to keep you baling.



### THE DENSEST BALES FROM NEW HOLLAND

The Roll-Belt baler's optional dual density system can increase bale density by up to 5%. Two density cylinders, one on either side of the bale chamber, control the rate of belt expansion to produce the densest bales possible. By only allowing the belts to expand when pressure reaches a pre-set level, solid bales with improved handling characteristics are produced. This is perfect for livestock farmers who may have to transport bales a considerable distance over bumpy ground during feeding or who are looking for the highest nutritional profile. The density is easily regulated using a control gauge on the side of the baler.

## TAILORED WRAPPING OPTIONS

Efficient tying and wrapping are what makes a bale a bale, instead of a mountain of material. New Holland also knows that no two operations are alike, hence the two wrapping options, the standard net only and twine and net option, the latter is perfect for contractors who work with a variety of customers. The entire wrapping system has also been upgraded, to speed up the process and to enhance accuracy to deliver best-in-class bale shape first time, every time.



### SECOND GENERATION DUCKBILL SYSTEM

The Roll-Belt baler benefits from a second generation DuckBill system which is physically closer to the bale, speeding up the entire wrapping process to get you back baling even faster. The spreader rolls maintain uniform coverage across the entire bale and the net wrap is actively placed inside the chamber, next to the bale for more accurate wrapping performance. The amount of net used is regulated by sensors and this simple, reliable system, guarantees consistent net tension and tighter tying.





#### RIGHT TO THE EDGE WITH EDGEWRAP

The renowned EdgeWrap™ system means that the net wrap goes right to the edge of the bale, and in some cases, it forms an envelope over the edge of the bale. This protects the bales and helps retain their overall shape. Essential during extensive handling or when being used with a separate bale wrapper.



#### EFFICIENT TWINE TYING

The twine mechanism has been completely redesigned and now features a centre pivoting dual twine application system. This solution ensures consistent left to right travel to guarantee uniform coverage to deliver unsurpassed integrity during extensive handling.

## AT A GLANCE BALER MANAGEMENT

The Roll-Belt baler can be specified with a range of monitors to suit your individual needs, from the entry level Bale Command™ Plus II monitor, right up to the range topping IntelliView™ III colour touchscreen monitor. You will be able to manage all key baling parameters from the comfort of the cab. If you've already got a monitor you like, then the optional ISOBUS compatibility has been designed for you.

### BALE COMMAND™ PLUS II MONITOR: SIMPLE BALER CONTROL

The advanced Bale Command™ Plus II monitor is standard, and enables operators to select from four wrap patterns and one custom wrapping option. The 10cm screen is 10% larger than the previous version and the soft touch keypad is easy to operate. Want more? How about backlight technology, invaluable when baling late into the night. If that wasn't enough, it can memorise up to 20 individual bale count records too, music to contractors' ears.



### INTELLIVIEW™ III MONITOR; TOUCHSCREEN BALER CONTROL

Professional baling operations will select the optional intuitive, colour touchscreen IntelliView™ III monitor. Familiar to SideWinder™ II armrest users, the large screen size enables at a glance monitoring of all key parameters. The touchscreen facilitates instantaneous adjustment of key parameters in response to changing conditions.



### ISOBUS COMPATIBILITY

The entire Roll-Belt baler range can be specified with optional ISOBUS compatibility. What does that mean? Quite simply, you can use the monitor you already have in your tractor for single screen operation. What's more, you already know its layout and functionality so it really is a case of: plug and play.





### **AUTOMATIC BALE WRAPPING**

For truly automatic wrapping, the Roll-Belt baler will automatically start to wrap the bale when it has reached the predetermined size. No need to push any button or levers. The operator is warned by an audible signal in the cab. This leaves operators to get on with the serious job of baling.



### **BALE FILL SENSORS**

Two fill sensors, located on the left and right side of the bale chamber continually monitor the fill profile, and an in-cab display relates this information to the operator. Quite simply, if one side is filling up more than the other, the operator knows and can adapt his driving pattern to compensate.



### **ABSOLUTE BALING SAFETY**

In tight baling windows, it can be tempting to carry out a little bit of maintenance without disconnecting the baler, and this can be fatal. In order to protect operators, New Holland has developed an electrical power safety cut off switch located on the drawbar. This cuts electrical power to the baler to ensure that it is fully deactivated. This significantly enhances safety when changing net or unblocking the baler.

## 360° ROLL-BELT BALER

The new Roll-Belt baler has been designed for the ultimate in ease of daily maintenance. All service points can only be accessed when the baler is completely stationary for industry leading maintenance safety. Best-in-class access for super-efficient maintenance means these balers will spend more time in their natural environment, the field, doing what you want them to.



### FLOATING ACROSS FIELDS, FLYING DOWN ROADS

Specify the ultra-wide 500/55/R20 tyres to increase the in-field footprint to reduce compaction when baling silage, essential to protect valuable shoots and to facilitate regrowth for subsequent cuts. During high speed road transport, these tyres absorb bumps to deliver a smoother, more comfortable ride.



Integrated prop to support a roll of net when changing it from ground level.

- Storage for up to 6 balls of twine or one additional roll of net to keep you baling for longer.

- Safety interlocks prevent inadvertent opening for enhanced safety.

- Centralised greasing banks and oiling reservoir, accessed from ground level via the front panel.



- Optional storage for an additional four balls of twine.

- The new range is available in both low and high hitch configurations to suit both customer and market requirements.

- Castoring pick-up wheels switch from field to transport mode without the use of tools.

- Rear mounted holder for one additional roll of net to increase baling autonomy.





# BEYOND THE PRODUCT

## TRAINED TO GIVE YOU THE BEST SUPPORT

Your dedicated New Holland dealer technicians receive regular training updates. These are carried out both through on-line courses as well as intensive practical field based courses.

This advanced approach ensures your dealer will always have access to the skills needed to look after the latest and most advanced New Holland products.

## UNLIMITED SUPPORT FOR UNLIMITED SATISFACTION

New Holland gives you all the support you need, especially during the season with fast-track solutions: because your harvest can't wait!

In addition, New Holland drives and tracks the solution you need, keeping you informed: until you are 100% satisfied!



**DO NOT RISK YOUR MACHINE'S LIFE.  
BUY CNH ORIGINAL PARTS!**



## THE WIDEST RANGE FROM THE BALING EXPERTS

New Holland has a long and illustrious baling heritage, which stretches right back to the very beginning of baling itself. Over seven decades of continuous evolution, countless innovations which have revolutionised baling efficiency, productivity and comfort have been introduced which today, make New Holland the worldwide leader in baling technology.



### PIONEERING SPIRIT THAT CONTINUES TODAY

New Holland invented the very first self-tying pick up baler back in 1940. Today the BC5000 range of conventional balers continue to deliver the world's farmers dependable performance and traditional value. After all, since the small square baler was introduced, some 900,000 units have been sold... and we're still counting.

### EXTENSIVE ROUND BALER OFFERING

The wide range of round balers is a hit amongst livestock and mixed farmers in the four corners of the globe. The Roll-Belt range of variable chamber balers guarantees baling flexibility. The Roll Baler 125 offers compact professional baling and the Roll Baler 125 Combi and the Roll Baler 135 Ultra deliver one pass baling and wrapping for the ultimate in in-field efficiency.

### THE WORLD'S HIGHEST CAPACITY BALER

The BigBaler range of large square balers can churn out an almighty 110 bales/hour and has firmly established itself as *the* large square baler. Producing bales up to 120cm wide and 90cm high, it chomps through fields in the blink of an eye. This range is the natural choice for professional hay and straw contractors and is perfect for biomass operations. Quite simply, the BigBaler takes baling to a whole new level.





## MODELS

MODELS		Roll-Belt 150		Roll-Belt 180	
Type		SuperFeed	CropCutter	SuperFeed	CropCutter
<b>Bale dimensions</b>					
Minimum diameter	(cm)	90		90	
Maximum diameter	(cm)	150		180	
Width	(cm)	120		120	
<b>Tractor requirements</b>					
Minimum PTO power	[kW/hp(CV)]	52/70	75/100	60/80	78/105
Standard PTO speed	(rpm)	540		540	
Optional PTO speed	(rpm)	1000		1000	
Hydraulic remotes Min. / Max.		2 / 4		2 / 4	
<b>Main drive</b>					
Gearbox		Enclosed oil immersed			
Protection		Cut-out clutch			
<b>Pick-up</b>					
Working width	(m)	2.3		2.3	
Five tine bar pick-up with rubber tines		○		○	
Roller windguard		○		○	
Feed assist auger		○		○	
Flotation		Adjustable spring		Adjustable spring	
Hydraulic pick-up lift		●		●	
Pick up protection		Shearbolt		Shearbolt	
No tools folding pickup wheels		○		○	
Gauge wheels (15x6.00-6)		2		2	
<b>Feeding system</b>		Rotor width 455mm 'W' tine configuration			
Drop floor		●	●	●	●
Hydraulic rotor reverse		○		○	
CropCutter™ system		–	●	–	●
Knives options		–	15	–	15
Knife distance	(mm)	–	65	–	65
Knife activation, in - out		–	Hydraulic	–	Hydraulic
Knife protection		–	Individual spring	–	Individual spring
<b>Bale Formation</b>					
Type		Roll-Belt™ technology (Combination of rollers and belts)			
Pivoting formation rolls		3		3	
Belts		Four 273mm endless		Four 273mm endless	
Bale shape indicators		●		●	
<b>Tying system</b>					
Twine only		○		○	
Twine storage		6 ● + 4 ○		6 ● + 4 ○	
Twine pattern		Left to right		Left to right	
Twine arms		Twin centre pivot		Twin centre pivot	
Net only		●		●	
Twine and net		○		○	
Net wrapping system		DuckBill		DuckBill	
Net storage net only		3 ●		3 ●	
Net storage net and twine		2 ● + 1 ○		2 ● + 1 ○	
Net coverage		EdgeWrap		EdgeWrap	
<b>Bale density system</b>					
Single density system		●		●	
Dual density system		○		○	
Density control		Control dial on density cylinder			
<b>Electronic control system</b>					
Bale Command™ Plus II monitor		●		●	
ISO 11783 connection ready		○		○	
IntelliView™ III monitor		○		○	
Electronic safety cut out		●		●	
<b>Brakes</b>					
Hydraulic		○		○	
Pneumatic		○		○	
<b>Maximum travelling speeds</b>		50kph		50kph	
<b>Bale ramp</b>		●		●	
<b>Servicing</b>		Single piece opening side shields			
<b>Baler dimensions</b>					
Length	(m)	4.475		4.815	
Width on 380/55-17 tyres	(m)	2.415		2.415	
Width on 480/45-17 tyres	(m)	2.61		2.61	
Width on 500/55-20 tyres	(m)	2.85		2.85	
Height on 380/55-17 tyres	(m)	2.79		3.05	
Height on 480/45-17 tyres	(m)	2.83		3.09	
Height on 500/55-20 tyres	(m)	2.76		2.985	
Weight (Max.)	(kg)	3715		3815	
<b>Standard equipment</b>		Roller windguard, centralised oiling system, amber beacon			
<b>Optional equipment</b>		Tyres 380/55-17, 480/45-17, 500/55-20			

● Standard ○ Optional – Not available

# NEW HOLLAND. A REAL SPECIALIST IN YOUR AGRICULTURAL BUSINESS.



AT YOUR OWN DEALER



YOUR SUCCESS - OUR SPECIALTY

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