



# NEW HOLLAND ROLL-BELT

Roll-Belt 150 | Roll-Belt 180



# NEW ROLL-BELT. CHANGE YOUR BALING STYLE

New Holland has led the round baler segment in Australia 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

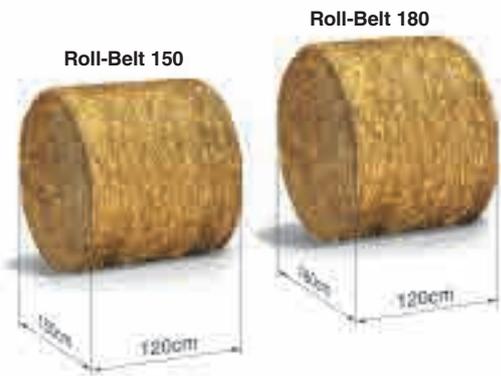
Think variable chamber productivity. Think New Holland Roll-Belt baler. Capacity has been increased by up to 20% thanks to the redesigned pick-up. Just imagine clearing every field 20% faster, or doing 20% more work every day! This higher throughput means more crop is baled at optimum conditions. The 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 roller guarantees 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, and these dense bales withstand extensive handling with ease. Furthermore, uniform 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 unfettered 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. With ISOBUS compatibility alongside the 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.



# 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 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 global testing program 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

200,000  
Produced in the USA

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%. With an ultra-wide 5 bar pick-up, of 2.3m wide, you can ensure a 'best in class' job when picking up that valuable crop. 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.



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

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.



#### **STRONG & RELIABLE GAUGE WHEELS**

The easily adjustable and swiveling gauge wheels ensure the pick-up follows the ground smoothly and picks up all the crop. The wheels can be lifted to the highest setting for transport or removed to reduce the overall width of the baler.

#### **UNIFORM CROP FLOW**

The standard roller wind guard continually rotates to guarantee a smooth, even 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 crop material. 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.



### HIGH PERFORMANCE FEEDING 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 and rotor 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 from under the rotor at the touch of the button. Activated from the comfort of the cab, the drop floor can be lowered to allow a blockage to pass through and into the baler chamber. This facilitates non-stop baling 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 REVERSER

When baling flat out in matted or tangled crops, material can wrap around the rotor clogging it. This is where the manual reverser function steps in. The manual reverser and the new drop floor ensure most blockages can be handled with ease.



### 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 three fixed rollers and one sledge frame follower roller, 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 four new endless 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 enhancing durability and reliability. Want more? They reduce maintenance too!



### FULLY EJECTING BALES

The spring loaded bale ramp ensures the finished bale is fully ejected from the bale chamber. It also prevents the bale 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 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 three wrapping options, the standard net only on CropCutter balers and twine and net on SuperFeed balers. 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.



### THIRD GENERATION DUCKBILL SYSTEM

The Roll-Belt baler benefits from a third 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 is standard with the 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 standard ISOBUS compatibility has been designed for you.



### 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 unsafe. 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.



### INTELLIVIEW™ III MONITOR; TOUCHSCREEN BALER CONTROL

Professional baling operations will appreciate the 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 has ISOBUS compatibility. What does that mean? Quite simply, you can use the monitor you already have in your compatible 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.

# 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

Specified with wide 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.

Safety interlocks prevent inadvertent opening for enhanced safety.

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

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



Self-supporting, single-piece gull wing side shields facilitate servicing.

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

Optional storage for an additional four balls of twine.

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



**MODEL**

**RollBelt 150**

**RollBelt 180**

Type	RollBelt 150		RollBelt 180	
	SuperFeed	CropCutter	SuperFeed	CropCutter
<b>Bale dimensions</b>				
Minimum diameter (cm)		91.5		91.5
Maximum diameter (cm)		152.4		177.8
Width (cm)		118.2		118.2
<b>Tractor requirements</b>				
Minimum PTO power [kW/hp]	52/70	75/100	60/80	78/105
Standard PTO speed (rpm)		540		540
Hydraulic remotes Min. / Max.		2 / 4		2 / 4
<b>Main drive</b>				
Gearbox	Enclosed oil immersed			
Protection	Cut-out clutch			
<b>Lubrication</b>				
Centralised oiling system		●		●
<b>Pick-up</b>				
Standard working - centre tine to centre tine (m)		2.0		2.0
Overall working width - flare to flare (m)		2.3		2.3
Five tine bar pick-up		●		●
Roller windguard		●		●
Feed assist auger		●		●
Flotation		Adjustable spring		Adjustable spring
Hydraulic pick-up lift		●		●
Pick up protection		Shearbolt		Shearbolt
Gauge wheels (15x6.00-6)		2		2
<b>Feeding system</b>				
Type	Rotor width 455mm 'W' tine configuration			
Drop floor		●		●
Manual rotor reverse		●		●
CropCutter™ system	-	●	-	●
Knives	-	15	-	15
Knife distance (mm)	-	65	-	65
Knife activation, in / out	-	Hydraulic	-	Hydraulic
Knife protection	-	Individual spring	-	Individual spring
Knife blanks	-	●	-	●
<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 / Net	●	-	●	-
Net Only	-	●	-	●
Twine storage		6		6
Twine pattern Left to Right	Left to Right	-	Left to Right	-
Twine arms Twin centre pivot	Twin centre pivot	-	Twin centre pivot	-
Net wrapping system Duckbill		DuckBill		DuckBill
Net storage net only	-	2	-	2
Net storage - net and twine	2 / 7	-	2 / 7	-
Net coverage		EdgeWrap		EdgeWrap
<b>Bale density system</b>				
Dual density system		●		●
Density control		Control dial on density cylinder		Control dial on density cylinder
<b>Electronic control system</b>				
ISO 11783 connection ready		●		●
IntelliView™ III monitor		●		●
Electronic safety cut out		●		●
<b>Transport</b>				
Hitch		Swivel ball		Swivel ball
Brakes		-		-
Maximum travelling speeds 50kph		50kph		50kph
Lighting		Side marker lighting kit		Side marker lighting kit
Wheel blocks		●		●
Amber Beacon		●		●
Safety chain		●		●
PTO shaft support		●		●
Spring loaded bale ramp		●		●
Servicing		Single piece opening side shields		Single piece opening side shields
<b>Baler dimensions</b>				
Length (m)		4.475		4.815
Width on 480/45-17 tyres (m)		2.61		2.61
Height on 480/45-17 tyres (m)		2.83		3.09
Weight (approx max.) (kg)		3715		3815

● Standard ○ Optional - Not available

AT YOUR OWN DEALER



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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

The data indicated in this folder are approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications. - Printed in Australia - 14NHRBB 02/14