ROLL-BELT™ SERIES ROUND BALERS

450 UTILITY | 450 | 460 | 550 | 560

NEW HOLLAND AGRICULTURE

READY TO ROLL?

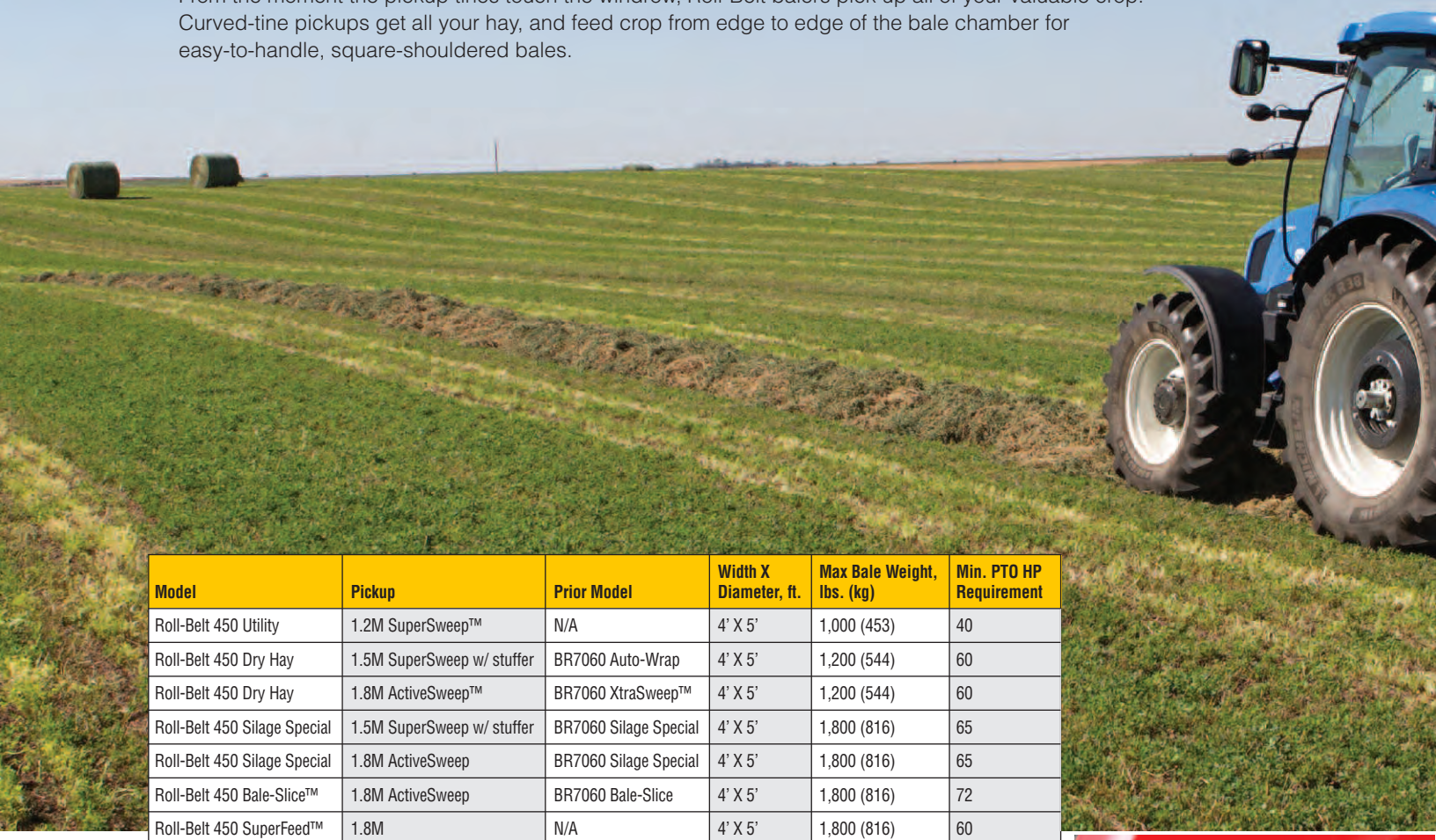
Whether you're a part-time farmer occasionally baling 20 acres or a custom operator with 20 customers, there's a New Holland Roll-Belt™ baler to suit your needs. In fact, there are nearly twenty different models for you to choose from. From 4' X 5' to 5' X 6', uniform, dense bales are produced in every size and crop condition.

EASY OWNERSHIP

Roll-Belt™ 450, 460, 550, and 560 balers possess the newest design enhancements and smartest technology to ensure that they remain in the field. What does that mean for you? 20% increases in belt strength, belt driving force, and capacity.

STOP THE SQUAT

From the moment the pickup tines touch the windrow, Roll-Belt balers pick up all of your valuable crop. Curved-tine pickups get all your hay, and feed crop from edge to edge of the bale chamber for easy-to-handle, square-shouldered bales.



Model	Pickup	Prior Model	Width X Diameter, ft.	Max Bale Weight, lbs. (kg)	Min. PTO HP Requirement
Roll-Belt 450 Utility	1.2M SuperSweep™	N/A	4' X 5'	1,000 (453)	40
Roll-Belt 450 Dry Hay	1.5M SuperSweep w/ stuffer	BR7060 Auto-Wrap	4' X 5'	1,200 (544)	60
Roll-Belt 450 Dry Hay	1.8M ActiveSweep™	BR7060 XtraSweep™	4' X 5'	1,200 (544)	60
Roll-Belt 450 Silage Special	1.5M SuperSweep w/ stuffer	BR7060 Silage Special	4' X 5'	1,800 (816)	65
Roll-Belt 450 Silage Special	1.8M ActiveSweep	BR7060 Silage Special	4' X 5'	1,800 (816)	65
Roll-Belt 450 Bale-Slice™	1.8M ActiveSweep	BR7060 Bale-Slice	4' X 5'	1,800 (816)	72
Roll-Belt 450 SuperFeed™	1.8M	N/A	4' X 5'	1,800 (816)	60
Roll-Belt 450 CropCutter®	2.07M	BR7060 CropCutter	4' X 5'	1,800 (816)	100
Roll-Belt 460 Dry Hay	1.5M SuperSweep w/ stuffer	BR7070 Auto-Wrap	4' X 6'	1,650 (748)	70
Roll-Belt 460 Dry Hay	1.8M ActiveSweep	BR7070 XtraSweep	4' X 6'	1,650 (748)	70
Roll-Belt 460 Silage Special	1.8M ActiveSweep	BR7070 Silage Special	4' X 6'	2,200 (997)	70
Roll-Belt 460 SuperFeed	1.8M	N/A	4' X 6'	2,300 (1043)*	70
Roll-Belt 460 CropCutter	2.07M	BR7070 CropCutter	4' X 6'	2,300 (1043)*	105
Roll-Belt 550 Dry Hay	1.5M SuperSweep w/ stuffer	BR7080	5' X 5'	1,550 (703)	70
Roll-Belt 560 Dry Hay	1.5M SuperSweep	BR7090 SuperSweep	5' X 6'	2,500 (1134)	80
Roll-Belt 560 Bale-Slice	2.07M ActiveSweep	BR7090 Bale-Slice	5' X 6'	2,500 (1134)	80
Roll-Belt 560 Specialty Crop	2.07M ActiveSweep	BR7090 Specialty Crop	5' X 6'	2,500 (1134)	80

*Bale weights with dual density cylinders

BALE LIKE NEVER BEFORE

Numerous options on Roll-Belt round balers are available to provide you with peace of mind and simplify your baling experience. ISOBUS compatibility paired with a 10" color touchscreen IntelliView™ monitor eliminates the need to run multiple wires into the cab of your tractor. Balers with SuperFeed™ and CropCutter® rotary feeding systems now feature a drop floor that can easily be operated from the comfort of your cab.

HIGHER DENSITY + MORE CAPACITY = REDUCED STORAGE LOSSES

The industry's densest bales combined with EdgeWrap™ net wrapping yields weather-resistant bales that reduce storage losses. Download the New Holland Bale Wrap App to learn more.

SMART MODEL NUMBERING

The newest generation of balers has a simplified model numbering system based on the maximum bale size. The first number indicates the width of the bale and the second reflects bale diameter. For example, the model number "450" represents a baler that's capable of producing a 4' X 5' bale.

CropSaver™

OPEN YOUR HARVEST WINDOW WITH CROPSAVER™

Need more hours to get across your fields? All New Holland Roll-Belt round balers can be equipped with CropSaver hay preservative to effectively bale at moistures up to 30%. That means you can start earlier, work later, and get your hay baled, even when the sun doesn't shine.

HAY: IT'S IN OUR DNA

Like the sprawling taproots of alfalfa, New Holland's presence in farming runs deep. New Holland has grown immensely, becoming a well-known and respected manufacturer of agricultural equipment worldwide. But no matter how deep plant outgrowths run, the heartiest roots reside at the stem of the plant. At New Holland, haymaking is at the core of our heritage. It's in our DNA.

Few things remain constant in our ever-changing world, but in the world of farming, the practice of haymaking remains steadfast. For many farmers, haying is a life source, not only for their livestock, but for their own livelihoods and families, as well.

At New Holland, we understand the demands that are required to help ensure longevity. We listen to your needs and reflect them in our innovative, industry-leading hay tools. After all, haying is our heritage, too.

1974: New Holland's first round baler - the 5' x 6' Model 850

1976: Model 845 4' x 5' round baler

1978: Models 851 & 846

1979: Model 852

1982: Model 849

1989: Introduction of Roll-Belt™ round balers with the Model 630

1991: Roll-Belt 650 & 660

1992: Roll-Belt 640 Silage Special

1995: Roll-Belt 664 Silage Special with Bale-Slice™

2002: Roll-Belt BR700 series includes the new BR740 CropCutter® model

2005: BR-A Roll-Belt line includes eight balers in five sizes

2006: 200,000th New Holland round baler is produced in New Holland, Pennsylvania

2007: Roll-Belt BR7000 balers introduced with eleven models

2014: Latest generation of Roll-Belt balers marks the 40th anniversary. AE50 award for Roll-Belt 560

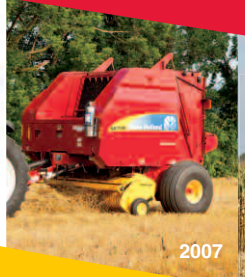
1992

1995

2002


2005

2006


2007


2014

STILL ROLLING AFTER 40 YEARS

In 1974, the first New Holland round baler rolled off the assembly line in New Holland, Pennsylvania. Forty years and over 235,000 round balers later, you'll discover the same assembly line still builds the latest generation of New Holland Roll-Belt™ balers. Not many manufacturers can say that.

450 FEET: THE DISTANCE FROM OUR ENGINEERING BUILDING TO OUR HAY FIELD

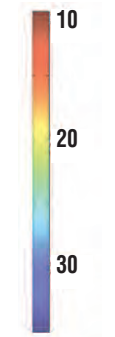
If you've ever wondered where we capture some of our photos, look no further than the company-owned fields that surround our North American headquarters in New Holland, Pennsylvania. The long-term success of New Holland round balers is owed to the innovative ideas and hands-on approach of our employees, as well as the feedback from our dealers and customers. Like you, we're not afraid to get dusty or sunburned. In fact, we've made over 125,000 bales worldwide while testing these balers. After all, it's this approach that has produced innovative ideas for our field-tested, farmer-approved balers.

PACKED WITH INNOVATION YIELDS BALES PACKED WITH HAY

The design of Roll-Belt balers utilizes heavy-duty steel rolls in both the front of the baler as well as in the floor of the bale chamber. The rolls are combined with short, tough belts in the back to deliver fast, consistent core formation and tight, uniform bales regardless of the crop you're baling. This proven combination also forms the densest bales in the industry. By packing more of your valuable crop into each bale, you're able to save both time and money.

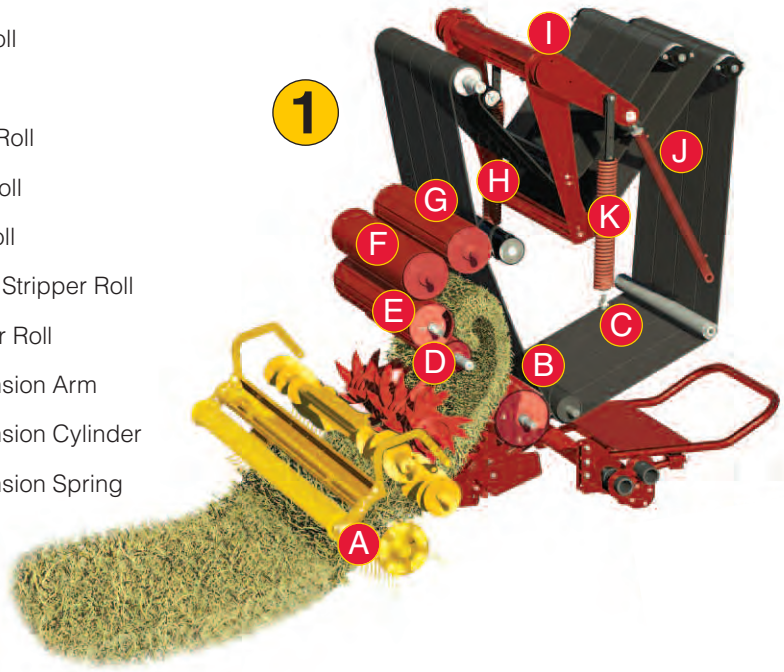
WHY DOES DENSITY MATTER?

From the moment you start baling to the moment the last bale is unloaded at your storage location, there are numerous benefits to making dense bales. Making denser bales in the field reduces compaction and plant damage, which promotes faster regrowth and higher tonnages for the next cutting. Making more compact bales not only reduces your baling time, but handling, wrapping, and transportation costs, too. Lastly, dense bales weather better with less loss because of their ability to shed precipitation and resist absorbing moisture from the ground. Density always matters.



Moisture levels of a dense, well-formed bale stored outside for six months.

- A Pickup
- B Floor Roll
- C Belts
- D Starter Roll
- E Fixed Roll
- F Pivot Roll
- G Ribbed Stripper Roll
- H Follower Roll
- I Belt Tension Arm
- J Belt Tension Cylinder
- K Belt Tension Spring



HOW IT'S MADE

To start the process of making a bale, the pickup (A) gathers crop from the ground. The floor roll (B) feeds crop from the pickup into the belts (C). The floor roll also carries the majority of the bale's weight, which reduces stress on the belts and lacings for longer life and lower maintenance costs. Constant action between the floor roll and the bale provides superior feeding compared to designs that feed directly from the pickup into the bale. Additionally, when a bale is being formed, its center of gravity is behind the centerline of the floor roll to allow bales to naturally fall out of the chamber when ejected, unlike competitive designs.

Next, the starter roll (D) helps turn the crop and start the core. The ribs of the fixed roll (E) aid in keeping the bale rotating. This roll also transmits power to the remaining upper rolls: the pivot roll (F), the ribbed stripper roll (G), and the follower roll (H). The function of the three rolls is to assist in rolling material and forming the bale's core. The stripper roll is also ribbed to strip material off the apron belts and direct it back into the bale.

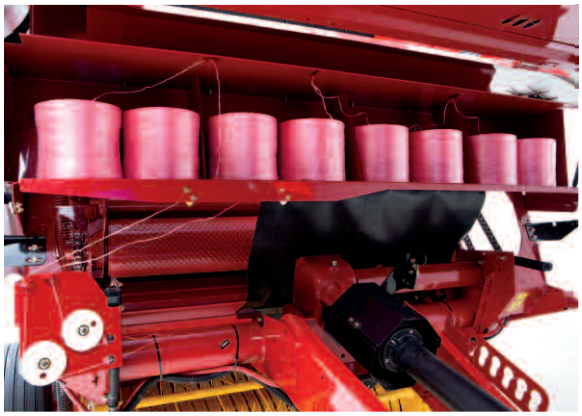
As the bale grows, the top rolls (G & H) pivot forward. The belt tension arm (I) also rotates to allow the bale chamber to expand. The belt tension cylinder (J) and belt tension spring (K) deliver reduced belt tension at the start to ensure positive core formation, even when baling short, dry crop.

When the bale reaches full size, the tractor is stopped by the operator. The wrapping mechanism starts automatically.

SIMPLIFIED TYING AND WRAPPING

TRADITIONAL TWINE TYING

For classic baling, redesigned twine wrapping systems are available on all models. You can load six active balls of twine in the front twine carrier on Roll-Belt 450 and 460 balers. On Roll-Belt 550 and 560 balers, you can use eight active balls by removing the dividers. As an option, four additional twine balls (two per side) can be stored on each side of the baler.



EASY THREADING

Threading twine has never been easier thanks to a simple threading bar (shown raised). After loading the twine balls, lower the threading bar for easy access to the threading guides. After tying and threading three balls to the left and three to the right, raise the threading bar to the operating position. Twine is routed from the twine box along the right side of the baler to the twine tubes.

SMART ENHANCEMENTS

The twine mechanism now features dual tubes that pivot on a single mount to feed twine into the bale chamber. Instead of an actuator, a motor is utilized to lower the amperage draw for the system. Additionally, this motor also provides smoother actuation and allows for dynamic twine spacing changes.

HOW MANY MISSISSIPPIS DOES IT TAKE?

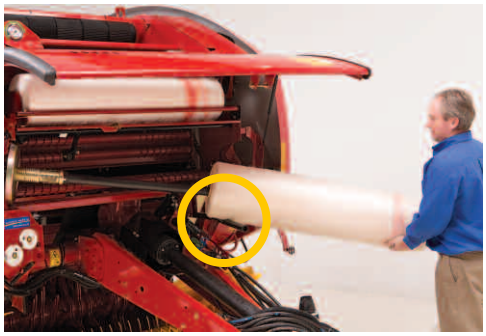
Six seconds*. That's the time it takes to net wrap a bale with a Roll-Belt round baler. Net wrap is a proven solution that reduces baling time and produces bales that are easier to handle and more weather-resistant. The EdgeWrap™ system is wider than the bale chamber to provide over-the-edge net wrapping when using standard-width net. Putting net over the edge of a bale not only protects it, but also helps better retain its shape.

A simple, shorter, more-efficient net travel path makes the industry's most-reliable system even more dependable. The net knife and wrapper duckbill assemblies are separate, eliminating multiple linkages and knife-link adjustments. The net knife and wrapper are also controlled by separate motors to reduce amperage draw and eliminate the need for a separate battery harness. Finally, the net knife moves up through the net, pulling it into the knife for a more positive cutting action.

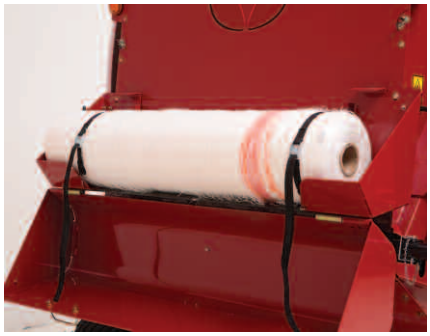
Loading the single active and double non-active rolls of net wrap is easy as a result of the front-loading net wrap system and loading supports found on Roll-Belt 450 through 560 balers. The net tube now pivots down and forward to decrease the loading angle. A support tube has also been added to assist with loading a new, active roll of net (circled below). The net brake lock is a reverse locking tab, which eliminates the need for a separate locking pin. A second, non-active roll can also be stored in the back of the baler to provide you with more than enough net for day-long baling.

*2.5 wraps on a 70" diameter bale at PTO speed

One non-active roll of net wrap can be stored in the front of the baler above the active roll.



One active roll of net wrap is easily loaded using the net tube.



A second non-active roll of net wrap can be stored at the back of the baler.

THE NET WRAP CYCLE

The net wrap cycle begins when the bale reaches full size.

The duckbill pivots into the bale chamber between the fixed roll and pivot roll.

After the desired number of wraps are made, the duckbill returns to the home position.

Finally, the net knife cuts in an upward motion to cut the net and complete the wrapping cycle.

INTUITIVE BALE COMMAND™ MONITORS

Whether you're a part-time farmer in need of the basic controls found on the Auto-Wrap™ II monitor or a professional, full-time farmer requiring the fast hookup and advanced capabilities of an IntelliView™ monitor, there's a monitor that's right for your application.

AUTO-WRAP™ II
Available for: ROLL-BELT 450 UTILITY

A basic, simple monitor that's well-suited for entry-level baling, the Auto-Wrap II system provides you with automatic control of the wrapping cycle. A buzzer lets you know when it's time to tie off the bale and when the tailgate is latched. Select manual or automatic operation and adjust the preset number of wraps with the flip of a switch. Not ready for net just yet? Upgrade to standard net/twine at a later date for fast, reliable net wrapping with a dealer-installed kit.

BALE COMMAND™ II
Available for: ROLL-BELT 450 UTILITY, 450, 460, 550, AND 560 DRY HAY BALERS

Twine-only balers with standard electronics receive Bale Command II with graphics and simple controls standard. The sleek design and soft-touch keypad allow for user-friendly interaction. The select dot-matrix screen is 10% larger than previous models, providing operators with easy-to-read information while baling. This monitor provides three pre-programmed wrap patterns, one custom wrap pattern, twine arms that move in a start-stop motion to apply wraps, and one resettable bale count.

BALE COMMAND™ II PLUS
Available for: ROLL-BELT 450, 460, 550, 560 BALERS

You can select the Bale Command II Plus monitor for an enhanced baling experience with twine-only, net-only, or net and twine balers with deluxe electronics. Similar in appearance and controls to the Bale Command™ II, Plus models provide operators with enhanced graphics, four pre-programmed wrap patterns, one custom wrap pattern, pulse-width modulated twine arms moving in a continuous motion to apply wraps for better twine-spacing consistency, 20 resettable bale counts, and compatibility with numerous dealer-installed accessories.

ISOBUS BALER WITHOUT MONITOR

Compatible with: TRACTORS WITH INTELLIVIEW™ III OR IV MONITORS
Available for: ROLL-BELT 450, 460, 550, 560 BALERS

For New Holland tractors or Big Balers with an IntelliView III or IV monitor, you can choose to equip your baler with ISOBUS capabilities to utilize your existing monitor, creating the ultimate baling experience. This eliminates the need to install wires or an additional monitor inside the cab of your tractor. ISOBUS also provides you with easier navigation between screens and enhanced storage capacity for improved record keeping.

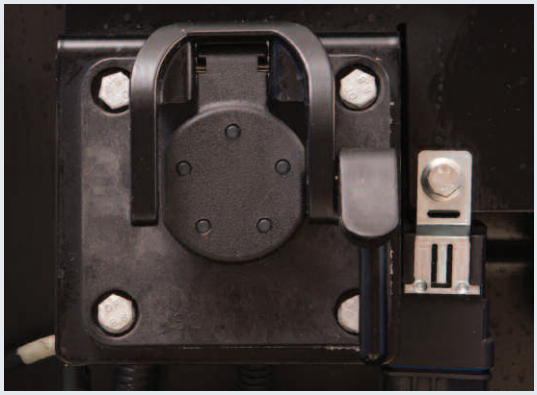
ISOBUS BALER WITH FACTORY-SUPPLIED INTELLIVIEW™ III MONITOR OR PARTS-SUPPLIED INTELLIVEW IV MONITOR

Compatible with: TRACTORS WITHOUT ISOBUS MONITORS
Available for: ROLL-BELT 450, 460, 550, 560 BALERS

For those who desire the latest technology, but have older, non-ISOBUS-equipped tractors, or a mixture of both, this option allows you to choose a baler with ISOBUS compatibility.

INTELLIVIEW™ III

INTELLIVIEW™ IV



WHAT IS ISOBUS?

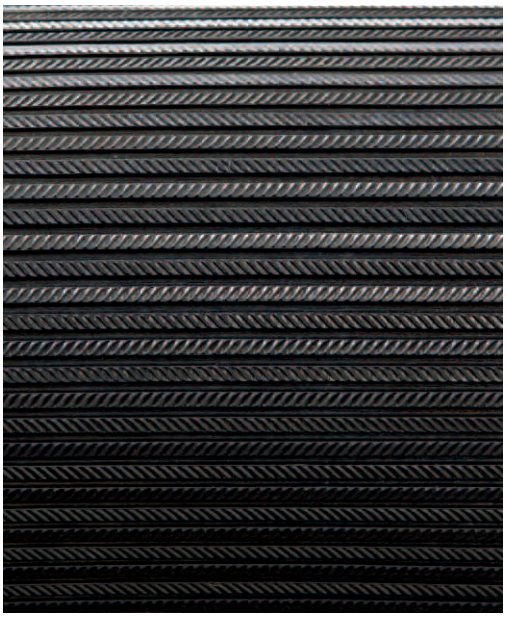
ISOBUS, or ISO 11783, is the universal protocol for electronic communication between tractors, implements, and computers. The objective of this procedure is to create common communication between tractors and implements, regardless of brand. This also aids with data transfer for some software that may be used on farms. An additional benefit of ISOBUS is “plug-and-play” capability between implement and tractor, which eliminates the need to have numerous wires and monitors in the cab of your tractor.

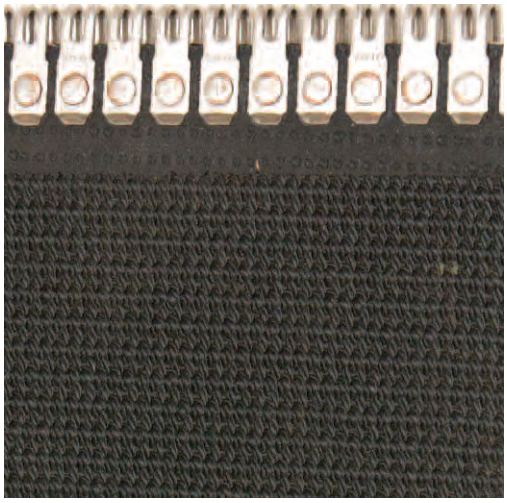
BELT CHOICES

Enhancements on Roll-Belt balers have led to an impressive increase of 20% in belt driving force in comparison to previous BR7000 models. How? In addition to repositioning the backwrap roll to improve driving efficiency and reduce belt slippage, an updated selection of belts is now available.

PREMIUM ENDLESS BELTS*

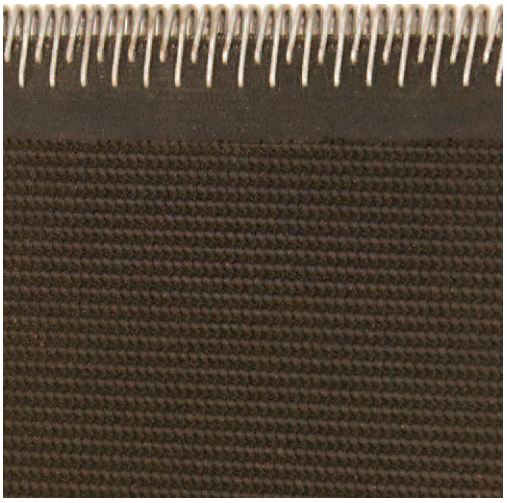
For ultimate durability and low maintenance, select the award-winning premium endless belts (right), which have a splice-free design for maximum consistency and low maintenance. These belts are manufactured with constant heat and pressure to eliminate belt flaws. The belt carcass construction enhances side-to-side rigidity, reduces tearing, and has sealed edges to reduce fraying issues. This design allows the belts to remain extremely stable under dynamic conditions, such as when the density system is maxed out, or at core startup, All these features translate into superior belt tracking. The surface pattern is also improved for cleanout while maintaining the best overall balance between sure grip and gentle crop handling. Even better, these belts are backed by a three-year, 15,000 bale New Holland warranty.





PREMIUM LACED BELTS**

Like endless belts, premium laced belts are also manufactured with constant heat and pressure and feature an enhanced carcass design. Low-profile Alligator® rivet fasteners with stainless-steel Duralink™ flexible pins add to their durability.



STANDARD CLIPPER-LACED BELTS

Suitable for all-day baling are the proven Mini-Rough Top (MRT) clipper-laced belts with three-plies of poly fabric.

*Excludes Roll-Belt 450 Utility and 550 balers **Excludes Roll-Belt 450 Utility and 450 balers


NEW HOLLAND
ROLL-BELT 460
SUPERFEED

SIMPLE. AFFORDABLE. ALL ROLL-BELT™

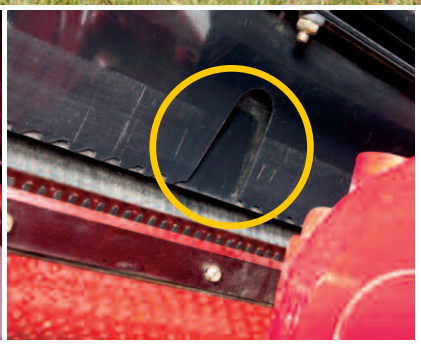
Designed with smaller farmers in mind, Roll-Belt™ 450 Utility balers enable you to bale on your own schedule. Instead of relying on someone else to bale your hay, you can rely on the legendary performance and superior bale density of your own Roll-Belt round baler. This compact, 4' x 5' design uses fewer moving parts to create a simple, affordable baler to own and operate.

SUPERSWEEP™ PICKUP FEEDS CROP FROM EDGE TO EDGE

The wide, 1.2M SuperSweep pickup uses 72 curved spring steel tines that are 17% closer together than the leading competitor to ensure that you gather all of your crop. Even when baling the heaviest windrows, the pickup, quick-release windguard, and open-throat design work together to feed crop directly into the bale chamber. Optional gathering wheels help pull in windblown and bulky windrows, yielding square-shouldered bales.

WHAT IT TAKES TO MAKE IT

In addition to their simple design, Roll-Belt 450 Utility balers are built with smaller farmers in mind. Requiring a minimum of only 40 PTO horsepower to operate, 450 Utility balers are the perfect match for most tractors found on small farms. Now that's SMART.



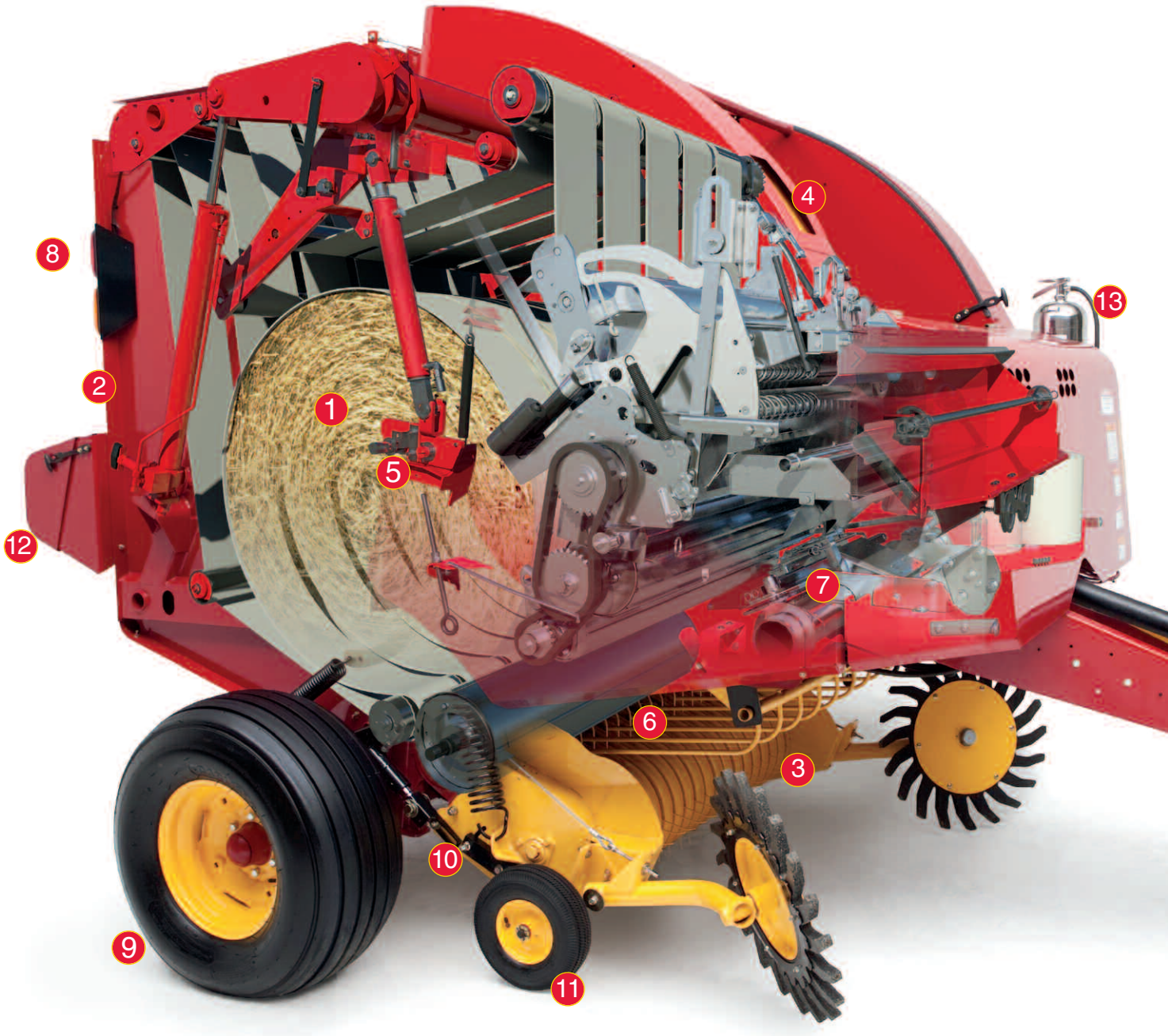
STORAGE CAPACITY FOR DAY-LONG OPERATION

With a storage capacity of four balls of twine and up to two rolls of net wrap (with the optional tailgate-mounted net storage box accessory), you'll be able to keep baling all day long.

DEPENDABLE TWINE AND NET SYSTEMS

Like the rest of the Roll-Belt family, Utility balers come standard with simple and reliable wrapping systems. Electronically activated single-pivot twine tubes provide accurate placement across the full width of the bale. If you reach the end of one ball during a wrapping cycle, you can still finish off tying the bale by simply initiating a second wrapping cycle. To speed up your baling time, select the net wrap option to wrap your bales in mere seconds. Starting a new roll of net is easy thanks to the front-loading system and the easy-start net-notch (circled above).

1. Bale chamber is designed to easily start cores and form perfectly shaped bales
2. Adjustable bale density control maintains a constant pressure as the bale grows
3. SuperSweep™ pickup gathers all of your crop
4. Mechanical bale size indicator lets you know how far you have to go until a full bale is finished. A buzzer sounds to inform you that it's time to stop and wrap the bale
5. Mechanical tailgate latch with sensor and buzzer lets you know that your tailgate is closed for day-long confidence when baling
6. Quick-release windguard guides bulky windrows into the baler, but can be easily removed if needed
7. A shear bolt protects the baler from costly failure and is quick and easy to replace to eliminate extensive downtime



8. Transport lighting package lets others on the road know what you're doing for safer transport

9. Optional flotation tires improve ride quality in rough conditions to help reduce fatigue

10. Hydraulic pickup lift can be added to replace the manual cable lift system. For transport, the manual system secures the pickup

11. Pneumatic pickup gauge wheels are optional to allow for better crop gathering in uneven terrain

12. Optional tailgate-mounted net-storage box provides space for a second roll of net wrap

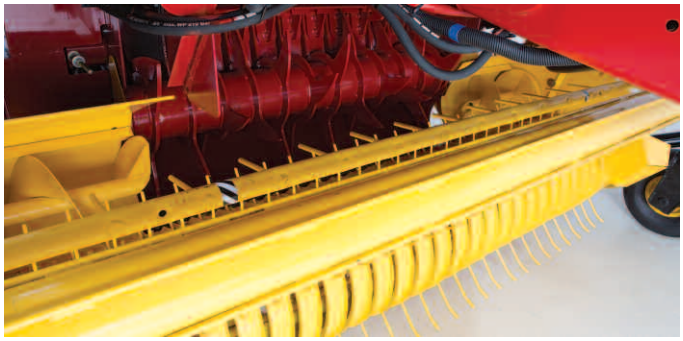
13. Optional baler-mounted fire extinguisher provides an added level of safety when baling

ROLL-BELT 450 UTILITY		
Bale Size		
Diameter	in. (cm)	36-60 (91.5-152)
Width	in. (cm)	46.5 (118)
Weight	lbs. (kg)	1,000 (453)
Density Pressure	psi (kPa)	Adjustable
Baler Dimensions and Weights		
Overall length, tailgate closed	in. (cm)	188.6 (479)
Overall length, tailgate open	in. (cm)	188.6 (479)
Overall height, tailgate closed	in. (cm)	122.2 (310.3)
Overall height, tailgate open	in. (cm)	178.7 (454)
Shipping weight*	lbs. (kg)	3,300 (1497) *No kits installed
Bale Forming Chamber		
Floor roll	in. (cm)	12 (31)
Forming rolls	in. (cm)	3 rolls, 10 (25)
Stripper roll	in. (cm)	10 (25.4)
Starter roll	in. (cm)	7 (17)
Bottom tailgate idler roll	in. (cm)	5.5 (14)
Belts		
Number of belts		5
Belt width	in. (cm)	7 (18)
Belt length	in. (cm)	343 (871)
Surface type (dependent on belt type)		Mini Rough Top / Self-cleaning
Endless belts		N/A
Wrapping System		
Twine application		Dual twine arms
Twine control		Automatic, electric
Twine box		4 active balls
Additional twine storage		N/A
Net Wrap		EdgeWrap™ net wrap system, 2 roll capacity optional
Bale Forming Indicators		
Standard Indicators		Bale size, twine movement, twine arm position, bale counter optional
Tire Options		
Implement tires		31 x 13.5-15, 6PR
Low profile flotation tires		11L x 14, 6PR
High profile flotation tires		N/A
Tractor Requirements		
PTO HP (minimum)	hp. (kW)	40 (30)
PTO speed	rpm	540
Driveline protection		Shearbolt
Hydraulic remote requirement		1 or 2

PICKUP SPECIFICATIONS		
SuperSweep Pickup - 1.2M		
Overall width	in. (cm)	61 (155)
Width, tine-to-tine	in. (cm)	44.7 (113)
Width, flare-to-flare	in. (cm)	68 (174)
Tine spacing	in. (cm)	2.6 (7)
Tine bars		4
Number of tines		72
Reel diameter	in. (cm)	12.4 (31.5)
Pickup protection		Adjustable slip clutch

THE BREAD AND BUTTER OF HAYMAKING OPERATIONS

You're looking at the backbone of countless, haymaking operations. Why? After spending the time prepping your hay, you need a baler that's ready and capable when it's time to bale. From basic baling to crop cutting, there's a four-foot baler to fit the needs of your operation.



EXCLUSIVE BALE-SLICE™ SYSTEM FOR ROLL-BELT™ 450

For denser bales that are simple to feed and easier for livestock to digest, select the exclusive New Holland Bale-Slice system. The replaceable knives featured on this system enter the bale after its core is formed to produce an average cut of six-inches in length. How much of the bale is cut to the outside surface is up to you. The outcome? Bales that are 14% more dense than unsliced bales. According to a Bale-Slice study, slicing bales with this system can lead to an increase in average daily weight gain in yearling heifers of 23%.

SUPERFEED™ ROTARY FEEDING SYSTEM

If you're looking for the capacity of a rotary feeder and a drop floor for easy unplugging, but don't need the ability to cut crop, then the SuperFeed option is right for you. You can take in dry hay, silage crops, and straw with ease because of the large, 18-inch-diameter rotor that's similar to the one found in CropCutter balers. Single-point feeder tines are arranged in a "W" pattern on a rotor shaft for uniform feeding from the pickup to the bale chamber.

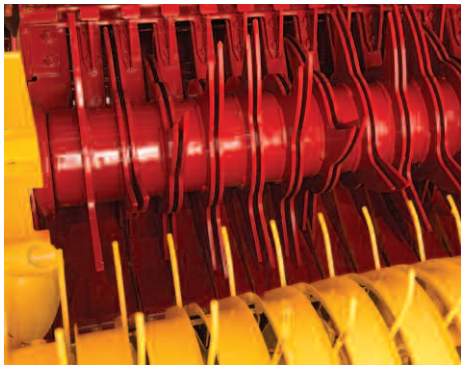
DRY HAY

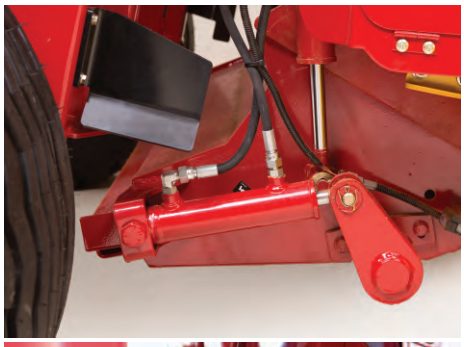
For basic, no-frills baling look no further than Roll-Belt 450 and 460 Dry Hay models. Two versions are available for each model: with a 1.5M SuperSweep™ pickup or a 1.8M ActiveSweep™ pickup.

TOP-PERFORMING SILAGE SPECIAL VERSIONS

Silage Special versions are designed to effectively bale crops at high moisture to create quality silage bales. Make no mistake: you can still bale in dry hay conditions, too. Silage Special balers come standard with:

- Dual-cam pickups for increased durability in heavy crops
- Endless belts for lower maintenance and superior performance
- In-feed discs to reduce power consumption
- Looped tailgate rolls, scrapers, and rubber back wrap roll to eliminate crop buildup





CROPCUTTER® ROTARY CUTTING SYSTEM

If you're looking for a way to maximize your baling output and bale density, choose the CropCutter rotary cutting system. In contrast to Bale-Slice, this system cuts crop during the entire formation of the bale, as opposed to after the core is formed. The fifteen knives can be resharpened and replaced, and can process crop into two-and-a-half-inch lengths from the core to the outer edge of the bale. A spring-loaded protection system on each knife helps prevent damage from foreign matter. In the event that debris or a crop plug enters the baler, the standard drop floor provides you with an easy method for fast removal.

The CropCutter system is an exceptional way to improve bale density because cut crop packs into a bale more tightly. With a denser silage or high-moisture bale comes greater fermentation and less spoilage. For bedding materials, this cutting process increases absorbency and makes bales easier to shake apart.

For dry hay or bedding that is stored outside, this additional density creates bales that shed water and draw in less moisture from the ground, aiding in greatly reducing spoilage.

CUT-OUT CLUTCH FOR ADDED PROTECTION

When equipping your baler with either a SuperFeed or CropCutter rotary feeder system, you have the choice between a 540 or 1,000 RPM gearbox with a cut-out clutch for overload protection.

DOUBLE DOWN FOR DENSITY

When equipped with a SuperFeed or CropCutter rotary feeder system, Roll-Belt 460 balers are available with an optional, dual-cylinder density system. This addition replaces the coil spring arm on the left side of the baler with a second hydraulic cylinder to increase bale density by 5% compared to the single-cylinder system.

PICKUP OPTIONS

A number of different pickups are available to meet both the needs of each Roll-Belt 450 and 460 baler, as well as yours. From classic pickups in dry hay to professional-grade pickups to meet the high-capacity demands of the industry-leading CropCutter® baler, none of our pickups leave your important crop behind.

CROPCUTTER® PICKUP

Roll-Belt 450 and 460 balers equipped with the CropCutter rotary cutter option receive a pickup that's suitable for a professional, full-time farmer or custom operator who demands the most out of their baler. This 2.07M-wide pickup has five solid-steel tine bars that are segmented for quicker, more cost-effective replacement should service be required. Four, double-plate reel spiders provide excellent support in the heaviest crop feeding, and 160, six millimeter, curved, rubber-mounted tines provide the utmost durability for this professional-grade pickup.

SUPERFEED™ PICKUP

If the SuperFeed option is selected, a heavy-duty 1.8M-wide pickup is featured on the baler. This pickup has five solid steel tine bars that are pinned in the center for easier servicing. Mounted on the tine bars are 140, six millimeter, curved, rubber-mounted tines. Three, double-plate reel spiders provide support for optimal crop feeding.

ACTIVESWEEP™ PICKUPS

The 1.8M ActiveSweep™ pickups are also available on 450 and 460 dry hay and silage balers, as well as 450 Bale-Slice™ balers. Like the pickups found on 560 models, you can select between heavy-duty or standard-duty pickup reels. Heavy-duty reels feature three double-plate reel spiders that hold five solid steel tine bars with 140 rubber-mounted teeth in total. Standard-duty reels come with three, single-plate spiders affixed to four tine bars with steel coil, curved, double tines, providing 112 tines in total. Regardless of which version you choose, both reels are pinned in the center for easy serviceability.

SUPERSWEEP™ PICKUP

For customers desiring a proven pickup, select the 1.5M SuperSweep pickup on dry hay and silage models. This four-bar pickup has 96, curved, shot-peened, steel tines that are suitable for picking up fine, short-stemmed crops.

WINDGUARD OPTIONS

Two windguard styles are featured: tine style and a roller style. For dry hay applications, the economical tine option (left image) performs well. For silage hay, straw, or any crop in high volume, the roller windguard is an excellent choice as it provides better control of springy crops as it feeds into the baler. For even greater crop feeding control on SuperFeed and CropCutter balers, partner a top-assist feedroll (right image) with the roller windguard.

THREE GAUGE WHEEL OPTIONS

Up to three different types of gauge wheel options are available depending on the configuration of your Roll-Belt 450 or 460. Dual bolt-on gauge wheels (left) are standard on all models. Straight-arm wheels (center) allow for quick changes in height adjustment with the removal of a linchpin. SuperFeed and CropCutter balers can be equipped with curved castering gauge wheels (right) to provide the same type of fast, no-tools adjustment, as well as the ability to caster on sharp turns to reduce ground scuffing.

ROLL-BELT 450 AND 460 SPECIFICATIONS			
Model		**Roll-Belt 450**	**Roll-Belt 460**
Bale Size			
Diameter	in. (cm)	36-60 (91.5-152)	36-72 (91.5-182)
Width	in. (cm)	46.5 (118)	
Weight	lbs. (kg)	400-1,800 (181-816)	400-2,300 (181-1043)
Density Pressure	psi (kPa)	Adjustable	
Baler Dimensions and Weights			
Overall width	in. (cm)	100 (253)	113 (288)
Overall length, tailgate closed	in. (cm)	175 (445)	189 (481)
Overall height, tailgate closed	in. (cm)	105 (267)	113 (287)
Shipping weight*	lbs. (kg)	5,985 (2715) *CropCutter with 18Lx16.1 tires	6,553 (2972) *CropCutter with 21.5L tires
Bale Forming Chamber			
Floor roll, ActiveSweep Pickups	in. (cm)	8 (20.3)	
Floor roll, Rotor & SuperSweep	in. (cm)	12 (30.5)	
Forming rolls, 3 rolls,	in. (cm)	10 (25.4)	
Stripper roll	in. (cm)	10 (25.4)	
Starter roll	in. (cm)	7 (17)	
Bottom tailgate idler roll	in. (cm)	5.5 (14)	
Belts			
Number of belts		6	
Belt width	in. (cm)	7 (18)	
Belt length	in. (cm)	343 (871)	421 (1068)
Surface type (dependent on belt type)		Mini Rough Top / Premium Laced	
Endless belts		Available (Standard on rotor feeder, Silage Special, and Bale-Slice balers. Optional on Dry Hay)	
Wrapping System			
Twine application		Dual twine arms	
Twine control		Automatic, electric	
Twine box		6 active balls	
Optional twine storage		4 balls (2 per side)	
Net Wrap		EdgeWrap™ net wrap system, 3 roll capacity	
Bale Forming Indicators			
Standard Indicators		Bale size, left/right driving gauges, twine movement, twine arm position, bale counter, bale ejector, hydraulic pressure gauge, hydraulic bale ramp (460), tailgate latch	
Tire Options			
Implement tires		31 x 13.5-15 8PR (N/A on SuperFeed or CropCutter models)	
Low profile flotation tires		18L x 16.1, 10PR	
High profile flotation tires		N/A	21.5L x 16.1, 10PR
Tractor Requirements			
PTO HP (minimum)	hp. (kW)	60 (45) to 100 (75)	70 (52) to 105 (78)
PTO speed	rpm	540 or 1,000	540 or 1,000
Driveline protection		Cut-out clutch or slip clutch	
Hydraulic remote requirement		1 to 4	

PICKUP SPECIFICATIONS		
CropCutter Pickup - 2.07M		
Width, tine-to-tine	in. (cm)	82 (207)
Width, flare-to-flare	in. (cm)	90 (228)
Tine spacing	in. (cm)	2.6 (7)
Tine bars		5
Number of tines		160
Reel diameter	in. (cm)	12 (30.5)
Pickup Protection		Cut-out clutch
SuperFeed Pickup - 1.8M		
Width, tine-to-tine	in. (cm)	71 (180)
Width, flare-to-flare	in. (cm)	79 (202)
Tine spacing	in. (cm)	2.6 (7)
Tinebars		5
Number of tines		140
Reel diameter	in. (cm)	12 (30.5)
Pickup protection		Cut-out clutch
Heavy-Duty ActiveSweep Pickup - 1.8M		
Width, tine-to-tine	in. (cm)	71 (180)
Width, flare-to-flare	in. (cm)	79 (202)
Tine spacing	in. (cm)	2.6 (7)
Tinebars		5
Number of tines		140
Reel diameter	in. (cm)	12 (30.5)
Pickup protection		Multi-plate slip clutch
Standard-Duty ActiveSweep Pickup - 1.8M		
Width, tine-to-tine	in. (cm)	71 (180)
Width, flare-to-flare	in. (cm)	79 (202)
Tine spacing	in. (cm)	2.6 (7)
Tinebars		4
Number of tines		112
Reel diameter	in. (cm)	12 (30.5)
Pickup protection		Multi-plate slip clutch
SuperSweep Pickup - 1.5M		
Width, tine-to-tine	in. (cm)	60 (152)
Width, flare-to-flare	in. (cm)	69 (175)
Tine spacing	in. (cm)	2.6 (7)
Tinebars		4
Number of tines		96
Reel diameter	in. (cm)	12 (30.5)
Pickup protection		Multi-plate slip clutch

ROLL THROUGH ROLLING TERRAIN

Working on hillsides? Roll-Belt™ 550 balers mix the capacity and stability of larger, 5’ X 6’ models with the cost of smaller, basic, dry-hay balers for the ultimate baler in rolling terrain.

ADJUST YOUR DENSITY

Dual, sealed hydraulic cylinders regulate bale density after initial core formation. You can adjust density manually by means of the density pressure valve.

LEGENDARY SUPERSWEEP™ PICKUP

Perfect for fine, short-stemmed crops, the standard SuperSweep pickup features 144 shot-peened, curved steel tines mounted on six tine bars. An articulated windguard assembly pivots freely, with the ability to adjust the front tines for consistent control of crop. Pickup-mounted, urethane gathering wheels are optional to help you gather large windblown rows of hay.

GAUGE WHEEL OPTIONS

Three gauge wheel options are available on your Roll-Belt 550's SuperSweep pickup. A single, bolt-on, adjustable-height gauge wheel is standard. Optional are dual, bolt-on gauge wheels (shown) or two straight-arm gauge wheels with tool-free adjustment.

ROLL-BELT 550 SPECIFICATIONS		
Bale Size		
Diameter	in. (cm)	36-60 (91.5-152)
Width	in. (cm)	61.5 (156)
Weight	lbs. (kg)	500-2,000 (227-998)
Density Pressure	psi (kPa)	Adjustable
Baler Dimensions and Weights		
Overall width	in. (cm)	114 (290)
Overall length, tailgate closed	in. (cm)	188.6 (479)
Overall height, tailgate closed	in. (cm)	105 (266)
Shipping weight	lbs. (kg)	5,967 (2707)
Bale Forming Chamber		
Floor roll	in. (cm)	12 (30.5)
Forming rolls	in. (cm)	3 rolls, 10 (25.4)
Stripper roll	in. (cm)	10 (25.4)
Starter roll	in. (cm)	7 (17)
Bottom tailgate idler roll	in. (cm)	5.5 (14)
Belts		
Number of belts		8
Belt width	in. (cm)	7 (18)
Belt length	in. (cm)	343 (871)
Surface type (dependent on belt type)		Mini Rough Top
Endless belts		N/A
Wrapping System		
Twine application		Dual twine arms
Twine control		Automatic, electric
Twine box		6 active balls
Optional twine storage		4 balls (2 per side)
Net Wrap		EdgeWrap™ net wrap system, 3 roll capacity
Bale Forming Indicators		
Standard Indicators		Bale size, left/right driving gauges, twine movement, twine arm position, bale counter, bale ejector, hydraulic pressure gauge, tailgate latch
Tire Options		
Implement tires		31 x 13.5-15, 10PR
Low profile flotation tires		18L x 16.1, 10PR
High profile flotation tires		N/A
Tractor Requirements		
PTO HP (minimum)	hp. (kW)	80 (60)
PTO speed	rpm	540 or 1,000
Driveline protection		Slip clutch
Hydraulic remote requirement		1 or 2

PICKUP SPECIFICATIONS		
SuperSweep Pickup - 1.5M		
Width, tine-to-tine	in. (cm)	60 (152)
Width, flare-to-flare	in. (cm)	68 (174)
Tine spacing	in. (cm)	2.6 (7)
Tine bars		6
Number of tines		144
Reel diameter	in. (cm)	16 (41)
Pickup protection		Multi-plate slip clutch

THE SIZE THAT STARTED IT ALL, NOW REDEFINING ALL

New Holland round baling history started in 1974 with the Model 850. Today, the same size baler, the Roll-Belt 560, is still designed and built to get the most out of every season. Choose a Roll-Belt 560 for the largest capacity, the widest pickups in the industry, and the highest bale density.

EXCLUSIVE BALE-SLICE™ SYSTEM

For denser bales that are simpler to feed and easier for livestock to digest, select a 560 with New Holland's industry-exclusive Bale-Slice system. In contrast to a CropCutter® rotary cutter system that cuts crop during the entire formation of the bale, the knives of the Bale-Slice system enter the bale after its core is formed. How much of the bale is cut to the outside surface is up to you. The outcome? Bales that are 14% more dense than unsliced bales. According to a Bale-Slice study, feeding bales sliced with this method can lead to an increase in average daily weight gain in yearling heifers of 23%.

SPECIALTY CROP MODELS FOR COARSE CORNSTALKS AND SLIPPERY STRAW

The Specialty Crop configuration is exclusive to the Roll-Belt 560 model, and handles cornstalks, straw, and other high-volume crops with ease. Specialty Crop balers feature the heavy-duty ActiveSweep™ five-bar pickup with rubber tines, solid split-center tine bars, and a roller windguard. Additionally, this configuration also comes standard with a 1,000 RPM gearbox with a cut-out clutch, 18L-16.1SL 10PR flotation tires, crop guides to reduce crop catching on gauge wheels, fingers on the external expeller roll to remove debris, and a duckbill trash baffle to clean net wrap during each wrapping cycle. Optional items include 21.5Lx16.1 10PR tires and a 540 RPM PTO with a cut-out clutch.

HIGH-EFFICIENCY FEEDER AUGER

ActiveSweep™ pickups use a double-flight, overshot feeder auger to replace the stuffer that was previously used. The design combines the feeder and augers on a common shaft to move crop efficiently from the pickup to the bale formation area. This auger also simplifies the driveline while simultaneously enhancing capacity.

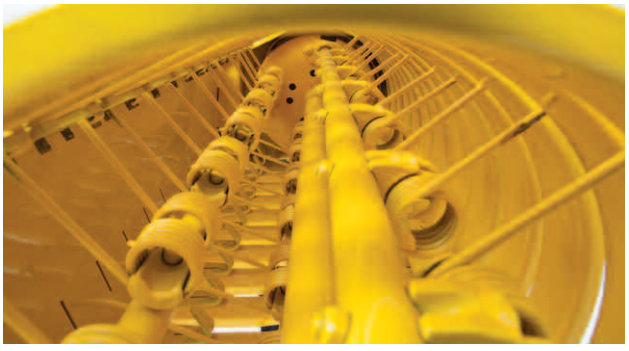
LEAVE NOTHING BUT BALES BEHIND

From the moment the pickup tines touch the windrow, your Roll-Belt baler will pick up all of the valuable crop that you're baling. The design innovations on ActiveSweep™ pickups add up to a 20% increase in capacity, leaving nothing but perfect, square-shouldered bales behind.

THREE PICKUP CHOICES:

HEAVY-DUTY, ACTIVESWEEP PICKUP

This heavy-duty version of the ActiveSweep pickup is available on both Specialty Crop and Bale-Slice™ models. This pickup features four double-plate reel spiders to support the five solid-steel tine bars that are split in the center for easy servicing. Attached to the tine bars are 160, six-millimeter, rubber-mounted, curved, double-steel tines for efficient crop gathering.



STANDARD-DUTY, ACTIVESWEEP PICKUP

Wide-pickup Roll-Belt 560s receive the standard-duty ActiveSweep pickup with a tine windguard (roller windguard optional). Three plate-type reel spiders carry four, two-inch-diameter tine bars. The 128 five-millimeter, five-coil, shot peened, curved, double steel tines have a 24% increase in bending strength to improve durability.

SUPERSWEEP™ PICKUP

Dry hay 560s come equipped with the classic SuperSweep™ pickup with a tine windguard. This six tine bar pickup has 144, four-point-eight millimeter, shot peened, curved, double steel tines. A single bolt-on adjustable pickup gauge wheel is standard, but both bolt-on and no-tool dual gauge wheels are also available.

NO-TOOLS GAUGE WHEELS

In addition to dual, standard, bolt-on gauge wheels, two types of quick-adjust gauge wheels are available on both ActiveSweep™ pickups. Straight-arm wheels (left) provide quick height adjustments with the quick removal of a linchpin. Curved, castering gauge wheels (right) provide the same type of quick, no-tools height adjustment, but also deliver the ability to caster on sharp turns and therefore reduce ground scuffing.

ROLL-BELT 560 SPECIFICATIONS		
Bale Size		
Diameter	in. (cm)	36-72 (91.5-182)
Width	in. (cm)	61.5 (156)
Weight	lbs. (kg)	500-2,500 (227-1136)
Density Pressure	psi (kPa)	Adjustable
Baler Dimensions and Weights		
Overall width	in. (cm)	128.5 (326.3)
Overall length, tailgate closed	in. (cm)	188.6 (479)
Overall height, tailgate closed	in. (cm)	122.2 (310.3)
Shipping weight*	lbs. (kg)	7450 (3379)
*21.5L tires		
Bale Forming Chamber		
Floor roll ActiveSweep Pickups	in. (cm)	8 (20.3)
Floor roll SuperSweep Pickup	in. (cm)	12 (30.5)
Forming rolls	in. (cm)	3 rolls, 10 (25.4)
Stripper roll	in. (cm)	10 (25.4)
Starter roll	in. (cm)	7 (17)
Bottom tailgate idler roll	in. (cm)	5.5 (14)
Belts		
Number of belts		8
Belt width	in. (cm)	7 (18)
Belt length	in. (cm)	421 (1068)
Surface type (dependent on belt type)		Mini Rough Top
Endless belts		Optional
Wrapping System		
Twine application		Dual twine arms
Twine control		Automatic, electric
Twine box		6 active balls (8 on Dry Hay models)
Additional twine storage		4 balls (2 per side)
Net Wrap		EdgeWrap™ net wrap system, 3 roll capacity
Bale Forming Indicators		
Standard Indicators		Bale size, left/right driving gauges, twine movement, twine arm position, bale counter, hydraulic bale ramp sensor, hydraulic pressure gauge, tailgate latch
Tire Options		
Implement tires		31L x 13.5, 8 or 10PR
Low profile flotation tires		18L x 16.1, 10PR
High profile flotation tires		21.5L x 16.1, 10PR
Tractor Requirements		
PTO HP (minimum)	hp. (kW)	80 (60)
PTO speed	rpm	540 or 1,000
Driveline protection		Cut-out clutch or slip clutch
Hydraulic remote requirement		1 or 2

PICKUP SPECIFICATIONS		
Heavy-Duty ActiveSweep Pickup - 2.07M		
Overall width	in. (cm)	120.3 (305.6)
Width, tine-to-tine	in. (cm)	81.5 (207)
Width, flare-to-flare	in. (cm)	90 (228.4)
Tine spacing	in. (cm)	2.6 (7)
Tine bars		5
Number of tines		160
Reel diameter	in. (cm)	12.5 (31.5)
Pickup protection		Cut out clutch
Standard-Duty ActiveSweep Pickup - 2.07M		
Overall width	in. (cm)	116 (295.3)
Width, tine-to-tine	in. (cm)	81.5 (207)
Width, flare-to-flare	in. (cm)	90 (228.4)
Tine spacing	in. (cm)	2.6 (7)
Tinebars		4
Number of tines		128
Reel diameter	in. (cm)	12.5 (31.5)
Pickup protection		Cut-out clutch
SuperSweep Pickup - 1.5M		
Overall width	in. (cm)	88 (224)
Width, tine-to-tine	in. (cm)	60 (152)
Width, flare-to-flare	in. (cm)	68 (174)
Tine spacing	in. (cm)	2.6 (7)
Tinebars		6
Number of tines		144
Reel diameter	in. (cm)	16.1 (41)
Pickup protection		Multi-plate slip clutch

VALUE, SERVICE AND SOLUTIONS

There's a certain way of thinking that comes from living on a farm. Farming takes equal parts brain and brawn. Not to mention thick skin, calloused hands and a fair share of know how. Seasoned farmers know it helps to have equipment that's built by farmers, sold by farmers and used by farmers.

Support at every step. When you place your confidence in New Holland agricultural equipment, you get the finest in local support. Your New Holland dealer understands the many challenges you face and stands behind you at every step with the equipment, parts, service and financial solutions to make your job easier. Look to New Holland for a complete selection of equipment, including a full line of tractors, hay & forage equipment, harvesting, crop production and material handling equipment.

Quality parts and service. Turn to your New Holland dealer after the sale for expert, factory-trained service and genuine New Holland–branded parts. Your dealer has the very latest service updates and training to ensure your equipment keeps working productively season after season.

Financing solutions. Your New Holland dealer can tell you about smart ways to turn your financial challenges into opportunities with a portfolio of innovative financial services available through CNH Industrial Capital, including customized financing, leasing, insurance and the purchasing convenience of a Commercial Revolving Account.

For reliable equipment, parts and service — or just honest advice on farming and finance — turn to New Holland and your trusted New Holland dealer. We know. We're farmers, too.

We are proud to support the FFA.

Learn more at **www.newholland.com/na**

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.

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