

NEW BALERS

Zero Series Round Balers • Small Square Balers • V451R & V461R Series Round Balers



JOHN DEERE

Your total baling solution



BALERS *Best balers for your bottom line*

Zero reasons to use any other baler

It's hard to pick which feature of the new Zero Series Round Balers to mention first. Maybe it's the new MegaWide™ HC² high-capacity feed system available on M and R models. By producing the **industry's first 5-ft. precut bales**, this system potentially eliminates the need for tub grinders while delivering a 80% increase in tonnage per hour (compared to some competitive models). And precut bales cut mixing times by as much as 58% to deliver nutrient-rich feed that won't go to waste.

Also worth noting with our new feed system - improvements to aid in serviceability and add to your uptime. Centralized grease banks on the R models with the MegaWide HC2 allow you to do all of the daily greasing from the ground, while delivering up to 80% increase in tonnage per hour the MegaWide HC² feed system features the cut out clutch design for the best driveline protection in the industry. And the new self-clearing drop floor serves as a built-in insurance policy that allows you to push the machine to its capacity and be back up and baling in a matter of minutes.

Regardless of what feature matters most, you now have zero reasons to use any other baler.





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Meet the new family of quality John Deere Round Balers

***440E, 450E, 450M, 460M, 460R,
550M, 560M and 560R***

Whether you're working with dry hay or silage, the new Zero Series Round Balers are designed to meet the demands of your operation. From our economical E models to the feature-packed R models, we engineered a family of better balers ready to fit your needs.

Just look at some of the stats. First round bale precutter designed and built in North America. Up to 80% increase in tonnage per hour compared to competitive models. 58% cut in mixing times. And the industry's first 5-ft. precut round bale.

Read on to get the best baling experience.

ROUND BALERS | E, M and R Models

440E, 450E, 450M, 460M, 460R, 550M, 560M and 560R

MegaWide™ HC²: First of its kind, First in its class

There's no question. The most notable feature of the new Zero Series Round Balers has to be the MegaWide HC² feed system, producing 4-ft. and 5-ft. precut bales - an industry first. Deriving its name from the high-capacity and cutting capabilities (HC²), this machine delivers incredible numbers that really add up.

- Tonnage per hour increases by up to 80%
(compared to competitive models)
- Mixing times cut by as much as 58%

Balers equipped with the MegaWide HC² also have the possibility of eliminating the need for tub grinding. If you tub grind dry hay, you know that even the slightest breeze can blow away much-needed nutritional value. When you bale and precut with the MegaWide HC², you're putting what's in the windrow into the bale. Smaller, more nutritious pieces makes for a happier herd and less waste. Eliminating the need for a tub grinder also helps eliminate the additional cost of owning or contracting tub grinding service. And with precut hay, you'll have the added flexibility and convenience to make rations since the crop is already precut.

And you'll appreciate the wider pickup on our 4-ft. balers equipped with the MegaWide HC² feed system. The 7.22-ft. (2.2 m) wide pickup is 20% wider than previous models for improved crop pickup in extreme conditions.

Its potential is unprecedented.



Field to Feed Solution: The new feeding system in the MegaWide HC² provides positive crop engagement so more leaves make it into the bale. More leaves equal more nutrition...and more nutrition makes for a healthier herd.



Self-clearing Drop Floor: Pull the plug on downtime

Balers equipped with the MegaWide HC² feed system will also get the benefit of our self-clearing drop floor system. This innovative design allows you to clear plugs from the comfort of the cab in a matter of seconds, as opposed to previous models that required you to get out of the cab and spend 15-30 minutes clearing plugs. Now you can push your machine to its limit and run as fast as the crop and conditions dictate.

In addition to the self-clearing drop floor, all machines equipped with the MegaWide HC² will also feature the cut out clutch. Only available on premium balers prior to the Zero Series, the cut out clutch works by automatically disengaging in the event of a plug and spinning freely until the tractor idles down. Compared to a slip clutch, the cut out clutch spins freely until the PTO shuts off. This generates less heat and reduces maintenance issues typically experienced with slip clutches. And idling the tractor down won't re-engage the clutch.

We like to think of these features as built-in insurance policies for maximum productivity.



WIDTH MODELS	4 X 4 440E	4 X 5 450E, 450M	4 X 6 460M, 460R	5 X 5 550M	5 X 6 560M, 560R
PICKUP					
Standard	Yes	Yes	Yes	Yes	N/A
MegaWide™	Yes	N/A	Yes	Yes	Yes
Megawide HC ²	N/A	N/A	Yes	N/A	Yes

ROUND BALERS | E, M and R Models

440E, 450E, 450M, 460M, 460R, 550M, 560M and 560R

DiamondTough™ Belts: *Only the strong provide*

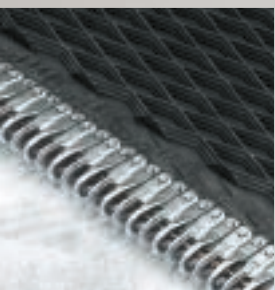
The John Deere DiamondTough triple-weave belts provide the strongest reliability in the business – a feature you'll appreciate when you consider the costly downtime that comes from torn belts.

So what makes our belts special? They're designed using a patented triple-weave process of nylon and polyester to give you the strength and durability you need for handling heavy loads consistently. They're

also puncture and tear resistant for greater belt life – rocks or other foreign objects are brushed aside with ease. And sturdy, high-tensile-plate splices bind the belts for a powerfully stable connection you can rely on season after season.

Your crop is in excellent hands. The DiamondTough belts surround the width of the bale to reduce crop loss and maintain crop quality. Check out the diamond-

tread pattern ... it allows the belts to handle crop gently to make sure your bales stay packed with nutrients. And our staggered belt roll redeposits loose material from under or behind the belts back towards the pickup, and into the bale chamber. More importantly, Zero Series belts are self-cleaning – the only belts in the industry that are – to reduce carryover and prevent crop buildup, so you get the same quality crop handling on every bale.



Field to Feed Solution: Feeding hay to livestock can be costly if it's not done correctly. A simple trick to remember - use a feeding system, such as a hayrack or hay ring to cut down on waste (have one feeding system for every 10-12 cows).





Drive System: Smooth, worry-free operation

What's more, the Zero Series offer fewer drive chains than competitive round balers – fewer chains mean fewer adjustments and less wear components to worry about – helping to increase overall efficiency and reliability.

And our heavy-duty drivelines are built with an 80-degree constant-velocity joint, allowing tight, effortless turns and carefree travel over rough terrain.

About those busy workdays ... feel free to work as long as necessary. The service interval on the Zero Series balers is 30 hours. Compared to some of our previous balers, that's more than 20 additional hours of baling without stopping to do maintenance.



60- or 80-grade chains take our already durable drive chains and make them inarguably stronger.

ROUND BALERS | E, M and R Models

440E, 450E, 450M, 460M, 460R, 550M, 560M and 560R

BaleTrak™ Pro Monitor-Controller: Touch ... and go

There's nothing to using the BaleTrak Pro monitor. It's as simple as keying in a function ... and you're on to the next bale. With the large, clear display, the monitor is easy to read. But the real value is in the accuracy: a 24-bar bale shape indicator offers true look-ahead baling to help you make perfectly sized and shaped bales each time.

- 1 **Precutter knives.** Engage and disengage precutter knives with the touch of a button.
- 2 **Total baling control.** From the time baling begins to the moment the bale is released, you're always in control. Indicators alert you when size is reached ... when wrapping or tying begins and ends ... and when the bale is ejected.
- 3 **True "look-ahead" baling.** Bale shape bars on the monitor show you how the bale is forming in the chamber. The digital bar graph responds instantly to any change in side-to-side bale diameter.
- 4 **On-site assistance.** Warning indicators alert you if the gate is left open or if there's a problem in the wrapping process.
- 5 **Raise and lower** the drop floor with a touch of a button.





Cover-Edge™ Net Wrap: The best form of protection

Time is money, so why waste time with inefficient bale wrap? Cover-Edge net wrap provides the best bale protection you can get. It preserves hay quality and gives your bale a beautiful, round surface ... as well as reducing crop loss during transport. And did we mention your bales are wrapped in as little as six seconds? But the best part is the loading process – you won't find a faster, simpler system around.

Our new band brake system improves durability and provides a cleaner cut net. Available on all Zero Series balers, this new system lasts the life of your baler with the first torque adjustment not needed until the 10,000th bale. Better tension on the steel roll and less sensitivity to dust mean better performance so you keep baling even in tough conditions.

Or perhaps you just prefer to use twine. If that's the case, the electric AutoTie wrapping system provides easier-made bales that are tied right. And for customers of the 440E and 450E, we also have a hydraulic twine system available. No matter what choice, double-twine arms lend exceptional speed for the job.



- 1 After opening the back cover, set the roll onto the cradle. It's easier to access since it's on the back of the baler. Plus, there's extra room to carry a spare roll.
- 2 Once the roll is in the cradle, unroll a short length of material, close the cradle and thread between the rollers.
- 3 Pull down the door. It's that easy!

Field to Feed Solution: Properly storing round bales is vital to any operation. Improper storage can lead to a host of issues. Obviously, the best place to store bales is inside a barn, but if that's not an option, try storing bales close to the feeding site. Use pallets, gravel, or some other moisture barrier to minimize spoilage from ground contact. Place bales on well-drained soil with a gentle slope whenever possible. Align rows north and south, with at least three feet between each row for quicker drying after exposure to rain or snow. Do not have bales pushed up tight against each other as this creates pockets where moisture can get trapped. And keep bales away from slow drying areas, such as below tree lines.

ROUND BALERS | E, M and R Models

440E, 450E, 450M, 460M, 460R, 550M, 560M and 560R

440E and 450E: Economy Meets Productivity

Whether farming is your second job or you're a small-scale livestock producer, you'll get the perfect combination of economy and productivity with the new 440E or 450E Round Balers – the newest members in the E Series line of value-spec John Deere equipment.

The 440E is available in a twine configuration, while the 450E is available in a netwrap or twine configuration. Advantages of the netwrap configuration include a 75 percent reduction in bale wrapping time and up to 18 percent reduction in spoilage compared to twine-only balers. That means you'll speed up baling and improve bale quality. The six rugged belts cover 90 percent of the bale chamber, providing up to 20 percent greater belt coverage than some competitive balers. This reduces leaf loss, captures more crop, and further adds to bale quality. And thanks to our short 10.5-inch-diameter strippers your crop will have to travel 1.5 in. less distance to the pickup than the competition, which means you'll get more hay in every bale you make. You'll get all this plus some of the great features that come standard on Zero Series machines including durable chains, an adjustable hitch, and the BaleTrak™ Pro monitor.

Save time. Save money. Save room in your machine shed for the 440E and 450E Round Balers.



ROUND BALER Specifications

MODEL	440E	450E	450M	460M	460R	550M	560M	560R
BALE SIZE								
Diameter	35-51 in. (89-130 cm)	35-60 in. (89-152 cm)	35-60 in. (89-152 cm)	32-72 in. (81-183 cm)	32-72 in. (81-183 cm)	35-60 in. (89-152 cm)	32-72 in. (81-183 cm)	32-72 in. (81-183 cm)
Width	46 in. (117 cm)	46 in. (117 cm)	46 in. (117 cm)	46 in. (117 cm)	46 in. (117 cm)	62 in. (157 cm)	62 in. (157 cm)	62 in. (157 cm)
Weight	750 lb. (340 kg)	1,000 lb. (454 kg)	1,100 lb. (499 kg)	1,650 lb. (748 kg)	1,650 lb. (748 kg)	1,450 lb. (658 kg)	2,200 lb. (998 kg)	2,200 lb. (998 kg)
Weight (maximum silage bale)	1,250 lb. (567 kg)	N/A	1,750 lb. (794 kg)	2,200 lb. (998 kg)	2,200 lb. (998 kg)	1,750 lb. (794 kg)	2,500 lb. (1089 kg)	2,500 lb. (1089 kg)
BALER								
Width with standard tires		89 in. (226 cm)				Hi-flo standard		
Width with high flotation tires	96 in. (244 cm)	N/A	96 in. (244 cm)	96 in. (244 cm)	96 in. (244 cm)	112 in. (285 cm)	112 in. (285 cm)	112 in. (285 cm)
Width with 21.5X16.1 tires	N/A	N/A	116 in. (295 cm)	116 in. (295 cm)	116 in. (295 cm)	131 in. (333 cm)	131 in. (333 cm)	131 in. (333 cm)
Length (gate closed)	135 in. (343 cm)	142 in. (361 cm)	142 in. (361 cm)	146 in. (371 cm)	146 in. (371 cm)	142 in. (361 cm)	146 in. (371 cm)	146 in. (371 cm)
Length (gate open)	174 in. (442 cm)	179 in. (455 cm)	179 in. (455 cm)	187 in. (475 cm)	187 in. (475 cm)	179 in. (455 cm)	187 in. (475 cm)	187 in. (475 cm)
Height (gate closed)	92 in. (234 cm)	102 in. (260 cm)	102 in. (260 cm)	110 in. (279 cm)	110 in. (279 cm)	102 in. (260 cm)	110 in. (279 cm)	110 in. (279 cm)
Height (gate open)	114 in. (290 cm)	128 in. (325 cm)	128 in. (325 cm)	145 in. (368 cm)	145 in. (368 cm)	128 in. (325 cm)	145 in. (368 cm)	145 in. (368 cm)
Shipping weight	3,360 lb. (1524 kg)	3,750 lb. (1701 kg)	Dry - 3,820 lb. (1733 kg) Silage - 5,972 lb. (2708 kg) Precutter - 8,138 lb. (3691 kg)	Dry - 4,165 lb. (1889 kg) Silage - 6,568 lb. (2979 kg) Precutter - 8,665 lb. (3930 kg)	Dry - 6,500 lb. (2,950 kg) Precutter - 6,544 lb. (2968 kg)	Dry - 4,310 lb. (1955 kg) Silage - 6,812 lb. (3089 kg)	Dry - 8,700 lb. (3950 kg) Silage - 7,472 lb. (3389 kg) Precutter - 9,346 lb. (4239 kg)	Dry - 8,700 lb. (3950 kg) Precutter - 9,346 lb. (4239 kg)
REGULAR PICKUP								
Width (inside)		46 in. (117 cm)			N/A		62 in. (156 cm)	
Width (outside)		56 in. (141 cm)			N/A		71 in. (180 cm)	
Tooth spacing		2.6 in. (6 cm)			N/A		2.6 in. (6 cm)	
Toothbars		4			N/A		4	
Number of teeth		72			N/A		96	
Stripper diameter		10 in. (25.4 cm)			N/A		10 in. (25.4 cm)	
MEGAWIDE™ PLUS								
Width (inside)	61 in. (155 cm)	N/A	61 in. (155 cm)	61 in. (155 cm)	61 in. (155 cm)	N/A	N/A	77 in. (196 cm)
Width (outside)	71 in. (180 cm)	N/A	71 in. (180 cm)	71 in. (180 cm)	71 in. (180 cm)	N/A	N/A	87 in. (221 cm)
Number of teeth	96 with 16 Megateeth	N/A	96 with 16 Megateeth	96 with 16 Megateeth	96 with 16 Megateeth	N/A	N/A	120 with 8 Megatooth
MEGAWIDE™ HC*								
Width (inside)	N/A			61 in. (155 cm)			77 in. (196 cm)	
Width (outside)	N/A			71 in. (180 cm)			87 in. (221 cm)	
Number of teeth	N/A			96 with 16 MegaTooth			120 with 8 MegaTooth	
Stripper diameter	N/A			10 in. (25.4 cm)			10 in. (25.4 cm)	
Number of knives	N/A			14			20	
FORMING BELTS – Belt width - 7 in. (18 cm), Type - DiamondTough triple weave single ply, Splice - Mato plate-type								
Number of belts			6				8	
TWINE WRAP Std. Hydraulic/Opt. Electric Electric								
COVEREDGE™ NET WRAP N/A Edge-to-Edge Optional Optional								
BALE FORMING INDICATORS								
Bale shape				Dry and Silage models - BaleTrak Plus; Precutter models - BaleTrak Pro				
Near full	Audible, adjustable	Audible				Audible, adjustable		
Oversized bale indicator	Yes	Audible and Mechanical				Yes		
POWER REQUIREMENTS								
PTO hp (minimum)*	45 hp (34 kw)	55 hp (42 kw)		65 hp (48 kw)		55 hp (42 kw)		75 hp (56 kw)
PTO speed (rpm)		540				540/1000		
PTO protection	Shearbolt/Slip clutch optional	Shearbolt				Slip clutch		

*Horsepower requirements may vary depending on crop types and conditions.





450M, 460M, 550M and 560M: Dry, Precut and Silage Round Balers

Meet the most versatile of the Zero Series round balers. Whether you're working with dry hay, silage or you want precut crop, there's an M model round baler to fit your needs. Models equipped with our new MegaWide™ HC² feed system potentially eliminate the need for tub grinders while delivering precut crop with higher nutritional value that's easier for animals to eat.

And our Silage and MegaWide HC² models come equipped with heavy-duty components ready to handle the wettest of crop.

ROUND BALERS | E, M and R Models

440E, 450E, 450M, 460M, 460R, 550M, 560M and 560R

Ready for wet and heavy

When you work in silage, you need a silage-quality baler to handle damp, hefty crop ... a baler that won't buckle from the heavier load. That's where the Zero Series Silage models come in. They're ready to shoulder the load, thanks in part to these key features:*

1. Powered cross-auger helps keep wet hay from traveling up the belts and reduces crop buildup and wrappage at the staggered belt auger roll. And with new larger bearings, shafts, and flanges, the auger offers greater reliability.
2. Starter-roll scraper knife is mounted directly in front of the starter roll to help prevent wrapping in moist, thick hay.
3. Auxiliary take-up roll is standard on the Silage models to prevent belt crossover or flipping in damp conditions.

**Silage option only available on M models. Silage components also included on balers equipped with the MegaWide HC² feed system.*



Field to Feed Solution: *Silage is a crucial aspect of some customers' operations. When desired, high moisture is a must for growers. But unwanted, higher moisture levels can be risky. Some easy-to-remember figures to keep in mind: silage should have between 50-60% moisture; dry hay between 10-20%.*



ROUND BALERS | E, M and R Models

440E, 450E, 450M, 460M, 460R, 550M, 560M and 560R

Packs a lot of weight

Go ahead. Keep eating up those long, heavy silage windrows. John Deere Silage models can really pack it in. How much? How about up to 2,500 pounds of wet hay bales – and packed with the high forage quality your livestock deserve.

So let's see ... Puts up a ton of weight? Check. Handles wet, slippery crop with ease? Check. Wide range of models to fit any size operation? Check.

The BaleTrak™ Pro monitor-controller gives you customized control of both the standard features and the specialized functions.



BaleTrak Pro lets you engage the cutter knives or open the drop floor to remove plugs, as well as enjoy other traditional monitor features.





SILAGE ROUND BALER Specifications

MODEL	450M Silage	460M Silage	550M Silage	560M Silage
BALE SIZE				
Diameter	35-60 in. (89-152 cm)	32-72 in. (81-183 cm)	32-72 in. (81-183 cm)	32-72 in. (81-183 cm)
Width	46 in. (117 cm)	46 in. (117 cm)	62 in. (157 cm)	62 in. (157 cm)
Weight	1,100 lbs (499 kg)	1,650 lbs (748 kg)	2,200 lb. (998 kg)	2,200 lb. (998 kg)
Weight (maximum silage bale)	1,750 lb. (794 kg)	2,200 lb. (998 kg)	2,400 lb. (1089 kg)	2,500 lb. (1089 kg)
BALER				
Width with standard tires	Hi-flo standard		21.5x16.1 tire standard	21.5x16.1 tire standard
Width with high flotation tires	96 in. (244 cm)	96 in. (244 cm)	21.5x16.1 tire standard	96 in. (244 cm)
Width with 21.5X16.1 tires	116 in. (295 cm)	116 in. (295 cm)	131 in. (333 cm)	N/A
Length (gate closed)	142 in. (361 cm)	146 in. (371 cm)	146 in. (371 cm)	144 in. (366 cm)
Length (gate open)	179 in. (455 cm)	187 in. (475 cm)	187 in. (475 cm)	178 in. (452 cm)
Height (gate closed)	102 in. (260 cm)	110 in. (279 cm)	110 in. (279 cm)	101 in. (257 cm)
Height (gate open)	128 in. (325 cm)	145 in. (368 cm)	145 in. (368 cm)	128 in. (325 cm)
Shipping weight	4,190 lb. (1901 kg)	4,535 lb. (2057 kg)	5,100 lb (2313 kg)	5,115 lbs (2,320 kg)
MEGAWIDE™ PLUS				
Width (inside)	61 in. (155 cm)		77 in. (196 cm)	N/A
Width (outside)	71 in. (180 cm)		87 in. (221 cm)	N/A
Number of teeth	96 with 16 Megateeth		120 with 8 MegaTooth	N/A
Stripper diameter	10 in. (25.4 cm)		10 in. (25.4 cm)	N/A
FORMING BELTS				
Number of belts	6		8	8
Belt width	7 in. (18 cm)		7 in. (18 cm)	7 in. (18 cm)
Type	DiamondTough triple weave single ply			
Splice	Mato plate-type			
TWINE WRAP				
Standard	Electric			
Optional	N/A			
COVEREDGE™ NET WRAP				
	Optional		Standard	
BALE FORMING INDICATORS				
Bale shape	BaleTrak™ Plus			
Near full	Audible, adjustable			
Oversized bale indicator	Yes			
POWER REQUIREMENTS				
PTO hp (minimum)*	55 hp (42 kw)	65 hp (48 kw)	75 hp (56 kw)	75 hp (56 kw)
PTO speed (rpm)	540/1000	540/1000	540/1000	540/1000
Driveline protection	Slip clutch			

These specifications also apply to Zero Series round balers equipped with the MegaWide HC² feed system.

*Horsepower requirements may vary depending on crop types and conditions.

Field to Feed Solution: Have you heard the terms: silage, haylage and balage? Are there any differences? Well, all are ensiled, high-moisture forages that can be fed to livestock. But, typically, silage refers to ensiled crop that's stored in a silo structure. While haylage - not to be confused with corn silage - refers specifically to ensiled grass or hay crops. And balage simply refers to a package of ensiled crop that's baled. In any case: corn, grass, or alfalfa can be baled for balage and used as viable livestock feed.





460R and 560R: The Total Package.

Smart, stylish and built to last. The 460R and 560R Round Balers offer the total package for your baling operation. Enhancements like the ISOBUS control monitor, cut out clutch drivelines, intelligent tractor-baler automation and heavier duty components add brains and brawn, while a stamped steel door provides a stylish exterior.

And don't think for a second the redesigned exterior is just for show. The stamped steel door offers easy access to the factory-installed grease banks, so maintenance can be done from the ground in a matter of minutes. Plus, an exclusive two-year or 12,000-bale warranty further protects your investment. So don't hesitate to run tens of thousands of bales through these bad boys ... that's what they're made for.

ROUND BALERS | E, M and R Models

440E, 450E, 450M, 460M, 460R, 550M, 560M and 560R

Bottom-line balers

One of the best ways to improve your bottom line is to get more out of your baler, and that's why we put more into the 460R and 560R models than any baler on the market. That's more performance, more reliability, and more return on your investment.

Whether you bale heavy, aggressive crop, or you work non-stop from dawn to dusk, the 460R and 560R models produce thousands of bales without ever breaking a sweat. Isn't that what you need? Because the R models were built just for you ... the custom haymaker, the commercial operator, the large-acre farmer who demand the ultimate baler.

Thankfully, the R models offer everything you need to grow your bottom line. With a convenient ISO-Bus monitor system, heavy-duty chains, and factory-installed grease banks, these smarter, stronger, longer-lasting machines are all-ability ... all the time. And that's the bottom line.

- 1 Stamped steel doors – Providing more clearance than previous baler models, the stamped steel doors also offer better serviceability access to factory-installed grease banks and other baler components.
- 2 Pickup – To deal with the stress and high-hour, high-output use typical of commercial operations, R model balers are equipped with an upgraded MegaWide Plus™ pickup. Bigger cams, bigger bearings, and bigger reel spiders toughen the pickup to give you added durability, increasing the life of the pickup.

- 3 Factory-installed grease banks – Both R model balers feature factory-installed grease banks that let you grease the machine faster and easier. 8 grease zerks – 4 on either side of the baler – allow you to grease and go, so you can hit the field sooner.
- 4 Cut out clutch – Relax. The PTO drivelines in R model balers are cut-out clutch protected. This means the driveline runs cooler when slipped and is maintenance-free, so you can concentrate on what's important: non-stop baling. Want to offload another concern? Sensors are also included to notify you if the driveline disengages.
- 5 Chains – Heavy-duty 80H and 80Heavy chains on the R models offer toughness and durability for the drive chain that's above and beyond what's offered on other Zero Series models. Heavier sidebars connecting the chains make them perfectly suited for handling the demands of commercial baling.

In addition to these features, the R model balers boast stronger #9 and #11 rolls. These two rolls receive the the most load of any rolls on the baler, so we increased the size of the hex shaft and bearings for added strength and reliability.

R model warranty* – The 460R and 560R models offer an unmatched two-year or 12,000-bale warranty, giving you the best coverage available.

*Two-year or 12,000-bale warranty, whichever occurs first, covers non-wear parts on 460R and 560R Round Balers. See full product warranty or contact your dealer for details.



ROUND BALERS | E, M and R Models

440E, 450E, 450M, 460M, 460R, 550M, 560M and 560R

Raising the bar

Our top-of-the-line machines demand top-of-the-line monitors, and that's where we've raised the bar. With the ISOBUS system, rest assured you're using the latest technology in baling. Using your tractor's GS1800, GS2600, GS2630, or select CommandCenter™ displays, the 460R and 560R models are integrated directly to your tractor. No need for a separate monitor. You get all the great features of the BaleTrak Pro monitor, and more. Max bale size button; user-friendly interface navigation; and intuitive error code system. Best of all, operators of any skill level can work the functions.

Speaking of raising the bar, we've added a third bale shape bar on the 460R and 560R monitors to help improve your driving practices for easier bale-making. The third bale sensor can be easily turned off if you prefer not to use it.

Max bale size button. Almost done clearing your field? Have only a small windrow to finish? Try this new feature. When your bale setting is less than maximum bale size, this button allows you to quickly and easily bump up to maximize size – just by a single touch.



Interface navigation. Cruising through pages and making calibrations are easier thanks to a user-friendly navigation system. Learning how to work the monitor takes only minutes.

Intuitive error code system. Frustrated by confusing error codes? With this new system, errors are completely written out. No longer do you have to skip through a list of codes.

Field to Feed Solution: There are five keys to making a densely packed bale:

1. The tractor must be set up correctly, with both front and rear tires wider than the width of the bale chamber.
2. The baler must be set up correctly – your John Deere dealer will help with this.

3. Have uniform windrows that are either half the width or the full width of the bale chamber.
4. Your bale monitor should be properly adjusted, showing you how the bale is forming.
5. Ultimately, you – the driver – are responsible for proper driving techniques.



Tractor Baler Automation

Convenience doesn't end at the monitor. Now Tractor Baler Automation (TBA) technology takes ease and efficiency to the next level. With Tractor Baler Automation, you get two levels of added speed and production. In level one, the baler gate automatically opens and closes when it's time to release a bale. Level two (IVT transmission required) not only works the gate operator-free, but the baler tells the tractor when to stop ... on its own (operator must engage brake or put the tractor in neutral). The results: easier operation and reduced operator fatigue. Bale simpler. Bale faster. Everything should be this easy.

460R / 560R ROUND BALER Specifications

MODEL	460R	560R
BALE SIZE		
Diameter	32-72 in. (81-183 cm)	32-72 in. (81-183 cm)
Width	46 in. (117 cm)	62 in. (157 cm)
Weight	1,650 lbs (748 kg)	2,200 lb. (998 kg)
Weight (maximum silage bale)	2,200 lb. (998 kg)	2,500 lb. (1089 kg)
BALER		
Width with standard tires	Hi-flo standard	Hi-flo standard
Width with high flotation tires	96 in. (244 cm)	112 in. (285 cm)
Width with 21.5X16.1 tires	116 in. (295 cm)	131 in. (333 cm)
Length (gate closed)	146 in. (371 cm)	146 in. (371 cm)
Length (gate open)	187 in. (475 cm)	187 in. (475 cm)
Height (gate closed)	110 in. (279 cm)	110 in. (279 cm)
Height (gate open)	145 in. (368 cm)	145 in. (368 cm)
Shipping weight	6500 lb (2950 kg)	8,700 lbs (3950 kg)
MEGAWIDE™ HC²		
Width (inside)	61 in. (155 cm)	77 in. (196 cm)
Width (outside)	71 in. (180 cm)	87 in. (221 cm)
Number of teeth	96 with 16 Megateeth	120 with 8 MegaTooth
Stripper diameter	10 in. (254 cm)	10 in. (254 cm)
FORMING BELTS		
Number of belts	6	8
Belt width	7 in. (18 cm)	7 in. (18 cm)
Type	DiamondTough triple weave single ply	DiamondTough triple weave single ply
Splice	Mato plate-type	Mato plate-type
TWINE WRAP		
Standard	Electric	Electric
Optional	N/A	N/A
COVEREDGE™ NET WRAP		
	Standard	Standard
BALE FORMING INDICATORS		
Bale shape	ISOBUS Monitor	ISOBUS Monitor
Near full	Audible, adjustable	Audible, adjustable
Oversized bale indicator	Yes	Yes
POWER REQUIREMENTS		
PTO hp (minimum)*	65 hp (48 kw)	75 hp (56 kw)
PTO speed (rpm)	540/1000	540/1000
Driveline protection	Cut Out Clutch	Cut Out Clutch

*Horsepower requirements may vary depending on crop types and conditions.

A420R / A520R Plus2™ Round Bale Accumulators

Ready to revolutionize the way you bale?



Introducing the Plus2 Round Bale Accumulators

Simply put, there's ***nothing like it.*** Our Plus2 Accumulator is an industry-first, delivering full integration, superior maneuverability and time and cost savings unlike anything else. Imagine collecting your bales in half the time. Picture your field in top shape, your yield protected, after collection. And what's more, the Plus2 retrofits back to the 7, 8 and 9 Series Round Balers for maximum compatibility.

Read on if you're interested in saving time, protecting your crop and reducing costs.

Tractor PTO HP Recommendation – MWHC² with Plus2 Accumulator

PTO SPEED AND SIZE	MIN HP*	RECOMMENDED MIN HP
540 13/8	90	90
1000 13/8	95	125
1000 13/4	95	125

*See Tractor OM for proper ballasting.



A420R / A520R Plus2™ Round Bale Accumulators

More bales. More benefits.

Designed exclusively for John Deere 7, 8, 9 and Zero Series Round Balers, the Plus2 Accumulators are the industry's first fully integrated round bale accumulators.¹

Time, Cost and Crop Savings

From flat plains to rolling hills, the Plus2 Accumulators give you the ability to group bales where and when you want. Strategically place up to three bales either in lines or small groups in a flat area of your field, **cutting your pickup time by as much as 50%**. That reduction in pickup time translates to an approximate **savings of up to \$1.00 or more per bale** in reduced logistics costs. And when you control the placement, you control field impact. Aligning bales for quick collection means less wheel traffic, which helps **reduce field compaction and protects regrowth** from multiple passes. So in addition to saving time and money, you're saving your crop yield for your next cutting.



A420R

Our A420R Accumulator has the capacity to hold two 4 x 6' bales while making a third.

Compatibility

Designed and manufactured by John Deere, both the A420R and A520R are engineered to fit on all 6-ft. John Deere 7, 8, 9 and Zero Series Round Balers, including models equipped with a precutter.

"We probably cut our pickup time in half."

David Schuett – Frontline Ag Solutions, Montana

¹Round baler must have MegaWide™ pickup and 21.5L x 16.1 high-flotation tires and spindles.

A520R

Operation and Maneuverability

Not only are collection efforts simplified, but we've got you covered with operation and maneuverability as well. All controls are integrated through the tractor and baler, leaving no need for a separate control box or monitor. Just open and close the gate - the accumulator does the rest. And the maneuverability is unmatched. Gone are the days of jackknifing

on a hill in order to save your bales from rolling away.² The accumulators gently release bales on the go without leaving the windrow and with zero ground speed, making placement a breeze. Separate hydraulics for the cart tilt allow you to drop the bales at any time during baling for that

perfect line of bales in your field. And unlike competitive models that are long and bulky, the Plus2 Accumulators install close to the baler maximizing maneuverability so backing into your shop or turning in the field is the same as without an accumulator. When it comes time to transport, the wings manually extend and retract, so transport width is no wider than the baler, making travel on roadways and through narrow gates easy.



²Downhill operating range is seven degrees.

ROUND BALERS

V451R and V461R

V451R and V461R Model Round Balers

If you're looking for the ultimate performance in a precutter baler – the V451R and V461R Models are your machines. The V451R and V461R Models, give you 4x5 and 4x6 bales respectively, feature a revolutionary design that will have you consistently making high-quality precut bales faster. This premium lineup will give you higher performance and more uptime, while minimizing your cost of operation. Visit your local John Deere dealer and learn how the V451R and V461R Models can give you better bales in record time.

Super Fast Bale Ejection. Get ready for the fastest gate cycle time in the industry. At times as fast as 4 seconds, you'll be rolling up windrows in no time.

Nearly Plug-Free. Let baler plugs be a thing of the past. The V451R and V461R Models features a patented, full-width hydraulically operated drop floor.

Cut Your Bale Processing Time. Wasted hay is wasted money. With 13- or 25-knife options you can cut plant material into 3 inch (7.6 cm) or 1.6 inch (4.1 cm) lengths. This ensures your hay or silage will be pulled into the starter rollers and make it into the finished bale.

Let Technology Do the Work for You. Take the stress out of baling. With Tractor Baler Automation the tractor automatically stops, ejects the bale, closes, and starts up again.*

*Tractor Baler Automation is only compatible with model year 2010 or newer John Deere 6030/7030 Premium, or model year 2011 or newer 6R/7R/8R Tractors that are GreenStar™ or AutoTrac™ ready.

Blaze Through Fields. Get in and out of the field faster than ever. With an average driving speed of 9 mph (14.5 kph), the 960 produces up to a remarkable 52 bales an hour.*

*Observed John Deere field tests. Your results may be different depending on field conditions, crop conditions, and terrain.

Hassle Free Maintenance. Down time is wasted time. With only 8 grease zerks and bearings that are automatically greased, you'll spend more time baling.



V451R and V461R Model Specifications



MODEL	V451R	V461R
BALE SIZE		
Diameter	5 ft. (1.6 m)	6 ft. (1.9 m)
Width	4 ft. (1.2 m)	4 ft. (1.2 m)
FRAME		
Type	Independent – Full Frame design	Independent – Full Frame design
PICKUP		
Width/Din width	7.2 ft. (2.20 m/2.12 m DIN)	7.2 ft. (2.20 m/2.12 m DIN)
Tines bar	5 tines bars with camtrack design and stainless steel strippers	5 tines bars with camtrack design and stainless steel strippers
Crop compressor	Roller Baffle	Roller Baffle
Gauge wheels	Pneumatic, fixed or castor action as option	Pneumatic, fixed or castor action as option
FEEDER		
Type	Rotoflow HC (no knives) MaxiCut HC 13 MaxiCut HC 25	Rotoflow HC (no knives) MaxiCut HC 13 MaxiCut HC 25
Number of knives	0 or 13 or 25	0 or 13 or 25
Knives set	HC25: 0-12-13-25	HC25: 0-12-13-25
Unplugging system	Full width Drop floor w/ parallel kinematic	Full width Drop floor w/ parallel kinematic
BALE CHAMBER		
Type	2 endless belts – 1.9 ft. (573 mm) width + 2 frontpowered rolls + 1 powered starter roll	2 endless belts – 1.9 ft. (573 mm) width + 2 frontpowered rolls + 1 powered starter roll
Belt drive rolls	2 big diameter	2 big diameter
Softcore	from 0 to 100%, continuously adjustable from cab	from 0 to 100%, continuously adjustable from cab
Unloading	Fast Release System – movable sude sheets + light tailgate	Fast Release System – movable sude sheets + light tailgate
Bale dumping	Ramp as option	Ramp as option
TWINE BINDING		
Twine system	Optional. Two arms with continuous adjustment from cab	Optional. Two arms with continuous adjustment from cab
Boarding capacity	10 twines spools	10 twines spools
NET WRAPPING		
Net system	Continuous adjustment from cab	Continuous adjustment from cab
Boarding capacity	3 net rolls	3 net rolls
CoverEdge compatibility	Yes	Yes
MONITORS		
Type	Greenstar 1800, 2600, 2630	Greenstar 1800, 2600, 2630
ISOBUS	Baler ISOBUS certified	Baler ISOBUS certified
Tractor Baler Automation	Option	Option
DRIVE LINE		
PTO speed	540 RPM 1000 RPM base with MaxiCut HC25, option with MaxiCut HC13 or Rotoflow HC	540 RPM 1000 RPM base with MaxiCut HC25, option with MaxiCut HC13 or Rotoflow HC
PTO security/capacity	Camclutch driveline security – 151 hp (113 kW) for 540 RPM PTO, 182 hp (136 kW) for 1000 RPM PTO	Camclutch driveline security – 151 hp (113 kW) for 540 RPM PTO, 182 hp (136 kW) for 1000 RPM PTO
MAINTENANCE		
Auto chain lubrication	Base	Base
Grease bank	Base	Base
Automatic greasing pump – tank	Option	Option
Extended greasing interval PTO	Base	Base
TIRES		
Tire size	15/70-18 16/70-20 500/55-20 500/60-R22.5 600/50-22.5	15/70-18 16/70-20 500/55-20 500/60-R22.5 600/50-22.5
MINI POWER REQUIREMENT		
PTO hp (minimum)*	80 hp (60 kW)	80 hp (60 kW)

*Horsepower requirements may vary depending on crop types and conditions.





Small Square Balers 328, 338, and 348

Who says a small square haymaker can't be a commercial operator? With John Deere square balers, you can produce as many small square bales in a season as the job calls for: whether that's enough to feed a couple of horses, or enough to support your farm and a few neighbors, as well. Three affordable models offer the field-proven crop control system you need to make solid, square-sided bales that are easy to stack and transport every time.

SMALL SQUARE BALERS | 328, 338, and 348

Small is a relative term

Sure, they're called small square balers. But they're all about big performance. One firm bale to the next, John Deere square balers create consistent square bales that pack in crop to minimize leaf loss and secure bales for the long haul.

Offset design lets you monitor crop flow more easily, while allowing you to use the full width of the pickup without disturbing the windrow. Nothing fancy, but then we didn't build them to walk the red carpet. Our square balers are made for serious haymakers with serious chores, so you can get crop up, sealed, and delivered to the barn – all before supper.

- 1 Continuous-flow floating auger moves hay away from the pickup to the pre-compression chamber. Free-floating motion automatically adjusts to hay volume, maintaining control of incoming crop.
- 2 Bale tensioner is manually adjusted using the hand crank to apply the right amount of tension to the bale. Even easier is the available hydraulic bale tensioner. One knob lets you manage bale density to meet crop variations and desired bale weight.
- 3 Never-miss knotters catch every time to give you a reliable, secure twine wrap. They're highly dependable for an accurate, fast acting catch ... even in the toughest crops.
- 4 Full-width feeding pickup goes flare to flare with tight-fitting teeth and narrow strippers to gather hay in wide, heavy windrows.

Field to Feed Solution: Proper storage of square bales is just as important as round bales. In the end, it's all about having superior hay. The first step is to make sure your storage area has good air circulation. Stack bales together loosely and on their sides to promote greater airflow and moisture release. When stacking bales on the ground, put the bottom row on wooden pallets or a layer of dry straw to reduce losses.





SMALL SQUARE BALER Specifications

MODEL	328	338	348
BALE SIZE			
Cross section	14x18 in. (36x46 cm)	14x18 in. (36x46 cm)	14x18 in. (36x46 cm)
Length	12 to 50 in. (31 to 127 cm)	12 to 50 in. (31 to 127 cm)	12 to 50 in. (31 to 127 cm)
PICKUP			
Width inside	64 in. (1.6 m)	64 in. (1.6 m)	64 in. (1.6 m)
Width of flares	74 in. (1.9 m)	74 in. (1.9 m)	74 in. (1.9 m)
Number of teeth	104 on four bars	156 on six bars	156 on six bars
Height adjustment	Crank (hydraulic, opt.)	Crank (hydraulic, opt.)	Crank (hydraulic, opt.)
Height adjustment range	5 in. (13 cm)	5 in. (13 cm)	5 in. (13 cm)
Cylinder diameter	12 in. (31 cm)	12 in. (31 cm)	12 in. (31 cm)
AUGER			
Diameter	16 in. (41 cm)	16 in. (41 cm)	16 in. (41 cm)
Length	61 in. (1.5 m)	61 in. (1.5 m)	61 in. (1.5 m)
FEEDING OPENING			
Stroke	289 sq. in. (0.19 m ²)	289 sq. in. (0.19 m ²)	289 sq. in. (0.19 m ²)
Normal speed (under load)	80 strokes/min	80 strokes/min.	93 strokes/min.
Bottom rollers	Sealed ball-bearing rollers	Sealed ball-bearing rollers	Sealed ball-bearing rollers
Top rollers	Wear pads (top)	Wear pads (top)	Wear pads (top)
FLYWHEEL			
Diameter	27 in. (69 cm)	27 in. (69 cm)	27 in. (69 cm)
Weight	227 lb. (103 kg)	227 lb. (103 kg)	227 lb. (103 kg)
COMPRESSION CHAMBER			
Length	46 in. (1.2 m)	46 in. (1.2 m)	46 in. (1.2 m)
TIRES			
Right	26x12.00-12, 4PR	26x12.00-12, 4PR	26x12.00-12, 4PR
Left	11Lx14, 6PR	11Lx14, 6PR	11Lx14, 6PR
DIMENSIONS			
Height (maximum)	67 in. (1.7 m)	67 in. (1.7 m)	67 in. (1.7 m)
Width	108 in. (2.7 m)	108 in. (2.7 m)	108 in. (2.7 m)
Length (with bale chute and 3-joint PTO)	227 in. (5.8 m)	227 in. (5.8 m)	227 in. (5.8 m)
Length (without tongue and bale chute)	134 in. (3.4 m)	134 in. (3.4 m)	134 in. (3.4 m)
DRIVELINE			
	Cat. 4	Cat. 4	Cat. 4 (Cat. 5, optional)
PTO SPEED			
	540 rpm	540 rpm	540 rpm
MIN REQUIRED PTO HORSEPOWER			
	35 hp	35 hp	35 hp
Gears	Steel-cut, enclosed	Steel-cut, enclosed	Steel-cut, enclosed
Capacity (SAE 90 SCL0)	4 U.S. qt. (3.8 L)	4 U.S. qt. (3.8 L)	4 U.S. qt. (3.8 L)
WEIGHT			
Twine (min.)	2,685 lb. (1208 kg)	2,805 lb. (1272 kg)	3,110 lb. (1411 kg)
Twine (max.)	2,875 lb. (1294 kg)	2,972 lb. (1348 kg)	3,320 lb. (1506 kg)
Wire (min.)	N/A	2,835 lb. (1286 kg)	3,240 lb. (1470 kg)
Wire (max.)	N/A	3,002 lb. (1362 kg)	3,407 lb. (1545 kg)

Get the ultimate baler makeover when you



Baling doesn't just end with a baler. Your John Deere dealer has an assortment of attachments and accessories to complement your hay operation. From compression racks, to moisture testers, to applicators – each one is designed to help you add more productivity to your day.

Field to Feed Solution: Fertilize your hay field. Supplying the right nutrients will help your hay grow better. While some essential nutrients come from the soil, additional fertilizer will amplify crop quality, increasing its yield potential and, eventually, heightening animal performance.



Cornstalk Compression Rack

Feed tough, abrasive cornstalk windrows into your round baler with ease. This no-nonsense rack features a solid steel shaft and sturdy compression rods that help compact stalks and leaf matter against the pickup.



Corncob Filler Plates

Keep the flow of threshed corn cobs moving smoothly into your round baler and avoid any time-wasting snags.



Variable Core Kit

Rather have soft-core bales? Then you want the variable core kit. Available for use with the Zero Series Balers, it reduces core density to your preference. And soft-core diameter is adjustable to within 4 inches of the bale's outer diameter (standard on Premium balers).



B-Wrap

Store hay bales outside year-round without sacrificing quality. Revolutionary B-Wrap keeps moisture out and allows vapor to escape, keeping nutrients high and reducing spoilage.



42 Bale Ejector

Throw a little ease into your “work” day. The 42 Bale Ejector takes the work out of loading bales. The throwing pan tosses bales onto the hayrack easily, yet is gentle on the bale. Adjustable distance control, precharged hydraulic system, and shields give you all the flexibility and dependability you need.



Hay Preservative Applicator

Is your crop too dry to bale as silage? Too wet to bale as dry hay? Add this applicator to your 9 Series and bale at moisture levels of up to 30 percent without heating or spoilage. Available in 25- or 50-gallon poly tanks. Choose one of three control systems: automatic, electronic, or manual.



Windrow Moisture Tester

Why guess when you can know for sure? Test the moisture content in your windrow before baling with the handheld windrow moisture tester. Measure from 13- to 70-percent moisture. Get a quick, precise reading in less than 60 seconds.



Baler-Mounted Hay Moisture Tester

Get on-the-go moisture readings while you bale. Reduce the chance of baling moldy hay or storing potentially combustible forage. Large LCD display helps with day or night operation. And it's easily installed on your round or small square baler.



Portable Hay Moisture Tester

Choose from either the extra-rugged 10-in. (25.4 cm) probe for testing small square bales or the 20-inch (50.8 cm) probe for testing round or square bales. This tester comes with a clip-on factory calibrator for easy re-calibration in the field. Features include an expanded low moisture range down to 8-percent, backlit display for night use, an above and below moisture limit indication, and a testing range from 8- to 44-percent moisture and 32 to 225 degrees F (0 to 107 degrees C) temperature.



Round Baler Wear Parts Box.

You and your round baler can put in some pretty long hours. So when a part needs to be replaced, we know the last thing you want to do is make a trip to the dealership. That's why we developed the Round Baler Wear Parts Box. With 25 of the most common wear parts on the John Deere 8, 9 and Zero Series 6-ft. diameter round balers, you'll be covered when those minor maintenance needs arise. The durable container easily stores in the back of your truck or shop, and we've included a magnetic parts list to help you keep track of what you've used.

Strengthen your baling operation with Frontier

Your chores aren't complete without the help of rugged, reliable Frontier hay equipment. From raking, to wrapping, to hauling, to unrolling, Frontier has exactly what you need to manage your hay from field to feeding. Best of all, you get exclusive sales and support through your local John Deere dealership. Talk to your dealer today about pairing up a Frontier hay tool with a new Zero Series Baler.



Bale Wrapper

Wrap 120 bales per hour with the fast-action Frontier bale wrapper. It keeps your bales safe from harsh weather and helps seal in the nutrients for higher quality feed.



Field to Feed Solution: All of your hay equipment should be ready a month prior to hay season. Make sure each implement is greased and every function is operational. Adjust any necessary settings accordingly. Remember, time is crucial. Staying on top of equipment maintenance early will keep you on schedule and save you headaches down the road.



Rakes and Tedders

With nearly 40 to choose from, there's a perfectly priced and perfectly sized rake or tedder for any job, field, or customer - all to help speed up drydown so you can bale quicker and finish sooner.



Bale Carrier

Up to 10-bale capacity and adjustable bale arm make the Frontier bale carrier a handy tool to have when you're on the go.



DM50 Series Disc Mower

Count on Frontier Disc Mowers for reliable hay cutting, field after field. Ruggedly built and equipped with high-end features, they deliver high performance and uptime while keeping costs of operation down.



Bale Un-roller

Frontier bale un-roller is a simple way to haul and unroll bales for feeding. Plus, it reduces hay loss during transport.



Bale Spears

Frontier 3-Point and Loader Mount Bale Spears transport large round or square bales. Choose from a wide range of single- and triple-tine models to get the task done quickly.

Designed for hard workers.



You and your round baler can put in some pretty long hours.

So when a part needs to be replaced, we know the last thing you want to do is make a trip to the dealership. That's why we developed the **Round Baler Wear Parts Box**.

With 25 of the most common wear parts on the John Deere 8, 9 and Zero Series 6-ft. diameter round balers, you'll be covered when those minor maintenance needs arise. The durable container easily stores in the back of your truck or shop, and we've included a magnetic parts list to help you keep track of what you've used.

Get back to baling quicker and easier with the **Round Baler Wear Parts Box**. Only from John Deere.



JOHN DEERE



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