Variable Chamber Round Balers

John Deere variable chamber round balers are manufactured in Europe by a dedicated professional team located at Arc-lès-Gray in France. Advanced technologies ensure the balers’ efficiency and ease of operation.
Our established tradition of producing high quality agricultural machinery is continued by the new range of variable chamber round balers. Whether you are looking for sophistication or simplicity, there’s a John Deere variable chamber round baler that’s right for you and your operations.

The first in a long line of reliable and efficient John Deere balers was manufactured over 60 years ago. Since then we have delivered more than 350,000 units to satisfied customers all over the world.

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DEDICATED TO VERSATILITY

RANGE AND CHOICE

Whether you are a contractor with a diverse set of customers, or if your own operation’s size and structure requires versatility, we’ve built a baler just for you. Whether you produce straw, hay, haylage or silage – a lot of one, or some of everything, you can pick your winner here. Our range of variable chamber round balers offer the versatility you need.

Productivity
Straw
Hay
Silage

V451G
Easy and economical. Simple and robust.
– Ideal for regular use
– Excellent value
– Performs best with dry crops
V451M/V461M
Multicrop versatility. Efficient operation.
- Low to frequent, versatile use
- High specification build quality
- Multicrop performer
- Up to 1.85 m maximum bale diameter

V451R/V461R
High capacity. Heavy duty design.
- More than 30 tonnes/hour in straw
- Proven extra high density
- Premium specifications
- Excellent for all crops
MORE THAN YOU EXPECT

QUALITY AND RELIABILITY
We never stop working to keep our balers ahead of the field. Welcome to one of the most productive and rewarding baling experiences available today.

MORE BALE WEIGHT
- 1.2 m bale chamber width
- Up to 1.85 m maximum bale diameter
- Very high bale density – adjustable

MORE CROP QUALITY
- From 40 mm knife spacing
- Singly protected, double heat treated knives
- Exceptionally low ground pressure and soil compaction
- Softcore as standard

MORE VERSATILITY
- Cam track design
- 3 starting rolls in bale chamber
- Large diameter belt driven rolls

MORE PRODUCTIVITY
- Big drum pickup on all balers
- Industry-leading feeding system
- Up to 134 kW (180 hp) machine capacity

MORE ROBUSTNESS
- Oversized bearings, optimally sealed
- Cast T shape gearbox teamed to simple driveline
- High spec materials: Hardox® steel rotor tynes, stainless steel shields and pickup strippers

MORE OPERATIONAL UPTIME
- Superb in driest straw and wettest silage
- Unique unplugging system
- Minimal maintenance, easy installation

Hardox® is a trademark of the SSAB group of companies.
The G and M Series are the optimal choice for regular, versatile use. Robust and compact, they excel in most crops and conditions, and will retain their value well over time.

1 | FEEDING SYSTEM
Wide high capacity, high performance pickups let you bale heavy windrows faster.

2 | ROTOR
High Capacity Rotor: 480 mm converging auger diameter welded on rotor tube for max intake performance without plugging.

3 | CHAMBER SIZE
Adjustable bale diameter in a 1.2 m bale chamber width for maximum bale weight.

6 | SIMPLIFIED DRIVELINE
T shaped main gear box drives only 4 chains – straightforward design to facilitate quick and easy maintenance.

7 | NET SYSTEM
Easy to install from ground level, net rolls are switched out in less than a minute without tools.

8 | TYRES
Wide flotation tyres minimise soil compaction and damage.
EASY MAINTENANCE
Excellent access and easy maintenance features like low greasing intervals and chain auto-lube system.

CHAMBER TECHNOLOGY
Three powered fixed rolls and large diameter belt driving roll for exceptional multicrop performance.

HEAVY DUTY MATERIALS
High spec materials featuring components like Hardox® wear plate tynes, for exceptional reliability.

YOUR BUSINESS,
YOUR CHOICE
Whether you choose a G or M Series – you’re picking a winner that’s perfect for your specific requirements.

LOWER COSTS
High density bales that stay in shape.
ROBUST AND STRAIGHTFORWARD

V451G

The V451G will always rise to the occasion. A reliably steady, low volume and day to day use performer. It will step up to speedy, high capacity performance during crunch times when needed.

PICKUP

The 2.2 m cam track design pickup easily copes with wide and tough windrows.

Rust-resistant galvanised pickups with Hardox® tynes for extra durability.

Hardox® is a trademark of the SSAB group of companies.
We assembled all greasing points in centralised banks for easy access. The automatic chain lubrication system is optional.

Less is more. The straightforward design with only 4 chains means exceptional durability.
Like every variable chamber baler, the V451G baler features a formation chamber with flat belts and a belt tensioner, but that’s where good ends, and great begins: An extra heavy duty welded frame that’s built for the long haul, a feeding system with a larger diameter pickup for thorough, speedy pickup, plus a specially designed bale chamber for superior control of bale dynamics.
HEAVY DUTY COMPONENTS
Doubled large 50 mm bearings with enhanced seal protection for extended machine life and peace of mind.

STANDARD SOFTCORE SYSTEM
Keeps the bale centre soft, which allows the crop to breathe and dry more efficiently.

EVEN TENSION
High density for every bale diameter thanks to a dedicated, independent pair of density cylinders.

EASY BALE STARTING
Reliable easy bale starting no matter which crop you’re baling.

PROVEN BELT SYSTEM
Six belts with perfect tracking for all crops and conditions. Lacers allow quick in-field repair.

HIGH BALE WEIGHT
1.65 m maximum bale diameter in a 1.2 m wide chamber allows you to maximise bale weight for straw or hay.
True multi-crop baling for medium volume use and where speed is essential. Packed with features, it’s a high value package that will perform reliably, year after year.

Available as an option for the most demanding users, the five-tyne bar premium 2.2 m pickup features 6 mm diameter tynes, tubular tyne bars and stainless steel strippers to deliver peerless performance over a long life.

ROTORS – YOUR CHOICE

RotoFlow HC Premium is a rotary feeder with durable Hardox® tynes for even crop distribution, wet or dry. MaxiCut™ HC 13 Premium is a universal solution for silage, with double Hardox® fingers on the rotor that sweep the crop against the individually spring loaded 80 mm spaced knives. Standard with MaxiCut HC 13 Premium, a second large diameter belt driven roll facilitates bale rotation in wet grass silage conditions. Also available as an option with RotoFlow HC Premium.
The standard drop-floor unplugging system uses a parallelogram mechanism to eliminate clogging on converging augers.
STAY FOCUSED

V451M, V461M

Days can get long during baling season, and there is no time to waste. That’s why we have integrated several convenience features that allow you to focus on what counts: producing perfect bales as quickly as possible.

MONITOR CHOICES

The V451M/V461M can be operated and controlled with a wide range of available monitors, such as BaleTrak™ Plus.

In the V451M and V461M, a dedicated pair of cylinders applies force to the density arm while mechanical hooks firmly lock the tailgate in the closed position. Damper cylinders minimise shocks at the end of the motion.
Easy to install from ground level, net rolls are switched out in less than a minute without tools. Even in the dark – bright, integrated LED lighting makes working at night just as comfortable as during daylight hours.

We assembled all greasing points in centralised banks for easy access. The automatic greasing system is optional.
High volume, high quality, premium features. The R Series mean business, with the highest specifications available.

1 | FEEDING SYSTEM
High capacity, high performance 2.2 m wide feeders let you bale heavy windrows faster.

2 | DROP-FLOOR
Hands-free unplugging. The wide hydraulic drop-floor clears even the worst blockage with ease.

3 | BALE CHAMBER
3 powered fixed rolls and 2 large diameter belt driving rolls inside the chamber for top performance.

6 | DRIVELINE POWER
The integrated driveline with its T shape gear box delivers up to 134 kW (180 hp) for maximum power and speed.

7 | NET SYSTEM
Easy to install from ground level, net rolls are switched out in less than a minute without tools.

8 | FLOTATION TYRES
Choice of tyres up to 600/55-22.5 are available to minimise soil compaction and damage.
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EASY MAINTENANCE AND ACCESS

Monobloc side gullwing doors with lights, automatic bearing greasing & chain auto-lube systems, crop accumulation prevention.

TOP SPEED

Less than 5 seconds to unload a bale and close the rear curtain means more than 2 bales a minute.

TRUE MULTICROP VERSATILITY

No matter what crop you are baling, or how much of it – the R Series have got it all covered. Heavy duty design and premium specifications make sure of it.

HEAVY DUTY

Five tubular pickup teeth bar mounted on sealed ball bearings, HD Diamond Chains, Hardox® wear plate rotor tynes and stainless steel pickup strippers.

HIGH DENSITY

As verified in a third-party test by DLG, the density can reach close to 130 kg/m³ in very dry straw conditions.

Hardox® is a trademark of the SSAB group of companies.
Add a lot more bales to your day, even if you call it a day a little earlier – our revolutionary Fast Release System (FRS) in conjunction with the High Capacity feeding system makes it possible, to the tune of more than 120 bales per hour. Available with either the MaxiCut™ HC 25 Premium, the MaxiCut HC 13 Premium or RotoFlow HC Premium feeding systems, the V451R and V461R feature a full frame design in which the belts are linked to the frame, not the bale chamber. The independent MaxD bale chamber sits inside the frame so that its sides can move and slide out to create the fastest release system we’ve ever built.

PREMIUM PICKUP

The five-tine bar 2.2 m heavy duty pickup delivers top tier productivity for large operations.

Select from a choice of high capacity premium rotors – non-cutting or cutting, with various knife sets and spacings from 40–80 mm.
Two 576 mm wide endless belts provide high density and perfect bale coverage for all crops. A high efficiency belt tracking system ensures perfect belt guidance under any conditions. Three chamber rolls ensure perfect bale turning regardless of crop moisture content.

**STAY SEATED**

Fully control the V451R and V461R balers from the convenience of your cab with ISOBUS displays.
HIGH SPEED DENSITY

V451R, V461R

Rock-hard, super-dense and perfectly formed round bales of concentrated energy. That’s what our variable chamber balers churn out, day after day, season after season – fast.

5 SECOND UNLOADING – THREE TIMES FASTER

Featuring high speed tailgate cylinders and moving side sheets that stretch the bale chamber by 100 mm when unloading, these balers save one whole minute for every six bales.

STRESS-FREE OPERATION

The 451R and V461R balers come with Tractor Baler Automation as standard. This award-winning feature allows monitoring, regulating and coordinating bale functions from a tractor equipped with Tractor Implement Automation via the ISOBUS connection. Essential for stress-free operation during high-speed baling.
Overall, the round baler was able to convince by delivering a high bale density, a high throughput and a very homogeneous and cylindrical bale form, even for bales with a lower density. The uniform and symmetrical bale density distribution especially contributes to a good forage quality for silage bales.*

Date: June 23, 2012  
Harvested crop: grass silage  
Bale number: 12  
Bale weight: 786 kg  
Bale density: 505.8 kg/m³  
Bale diameter: 127 cm  
Bale width: 123 cm  
Dry matter content: 68.8%  
Density setting: 100%  
Number of knives: 13  
Driving speed: 14.3 km/h

*Balg Test Report G112F, April 2014*
BALE VALUE BOOSTERS
CROP PACKAGING SOLUTIONS

John Deere crop packaging products enhance the performance of your John Deere baler, and provide you with the very best protection for your bales.

B-WRAP

Shed-quality bales without the shed: Outside, our unique John Deere B-Wrap protects your valuable crop from rain and helps reduce ground moisture. B-wrap is an exclusive John Deere product.

XtraNet™

Bale all day for less. Designed specifically for your baler, with an easy loading system. Strong, long and wide.

CoverEdge™

The authentic leading edge protection. The net covers the bale edge, eliminating bale “shoulders”.

The secret behind B-Wrap is an innovative material featuring the SCM technology – keeping a bale dry, and moisture and mould out.

1 | Water Vapour Escapes
2 | Blocks Ground Moisture
3 | Water & Snow Resistance
4 | UV Protection
OPTIMISING PRODUCTIVITY

CONNECTED FARM MANAGEMENT

The John Deere Operations Center on MyJohnDeere.com™ is the central platform for connecting your machines, operators and fields. It’s easy to use, easily accessed from anywhere, on any device and lets you view, edit and share data for full fleet connectivity.

MyJobConnect is our easy-to-use job management solution which connects to the John Deere Operations Center. It includes the MyJobsManager and MyJobs mobile apps.

MyJobConnect Premium also includes the MyLogistics app for enhancing overall operational efficiency.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>V451G</th>
<th>V451M</th>
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<tbody>
<tr>
<td><strong>BALES</strong></td>
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<tr>
<td>Diameter, m</td>
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<td>2.0 (1.86 DIN) or 2.2 (2.12 DIN)</td>
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<td>Fixed</td>
<td>Fixed or castor action</td>
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<td>RotoFlow HC Premium / No knife</td>
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<tr>
<td></td>
<td>MaxiCut™ HC 13 Premium / 13 knives</td>
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<tr>
<td>Unplugging system</td>
<td>Manual wrench + rotor clutch</td>
<td>Full width drop-floor with parallel kinematic</td>
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<td><strong>BALE CHAMBER</strong></td>
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<tr>
<td>Type</td>
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<td>6 laced belts + 2 front rolls + starter roll</td>
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<td>From the baler (BaleTrak™ Plus)</td>
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<td>0% density/diameter adjustable from the monitor (BaleTrak Plus)</td>
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<td><strong>NET BINDING</strong></td>
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<td>Net system</td>
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<td>Standard – on baler tailgate</td>
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<tr>
<td></td>
<td>Fully adjustable from monitor</td>
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<tr>
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<td>B-Wrap</td>
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<tr>
<td><strong>TWINE BINDING</strong></td>
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<td><strong>BALE EJECTION</strong></td>
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<td>Bale dumping</td>
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<td>Tractor Baler Automation</td>
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<tr>
<td><strong>POWER TAKE OFF</strong></td>
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<tr>
<td>PTO security</td>
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<td>Cam clutch</td>
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<tr>
<td>PTO speed and capacity</td>
<td>540 RPM – 102 kW [137 hp]</td>
<td>540 RPM – 113 kW [152 hp]</td>
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<td><strong>DISPLAYS</strong></td>
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<tr>
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<td>BaleTrak Plus</td>
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<td><strong>MAINTENANCE</strong></td>
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<tr>
<td>Automatic chain lubrication</td>
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<td>Option – Cartridge system</td>
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<tr>
<td>V461M</td>
<td>V451R</td>
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<td>0/13 or 0/12/13/25</td>
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<td>2 endless belts + 2 front rolls + starter roll 2</td>
<td>2 endless belts + 2 front rolls + starter roll 2</td>
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<tr>
<td>Standard – on baler tailgate Fully adjustable from monitor</td>
<td>Standard – on baler front Fully adjustable from monitor</td>
<td>Standard – on baler front Fully adjustable from monitor</td>
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<td>Option</td>
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<tr>
<td>Option – 2 independent arms</td>
<td>Option – 2 independent arms</td>
<td>Option – 2 independent arms</td>
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<tr>
<td>8 twine spools</td>
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<tr>
<td>Traditional tailgate</td>
<td>Fast Release System with moving side shields</td>
<td>Fast Release System with moving side shields</td>
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<tr>
<td>Option – unloading ramp</td>
<td>Option – unloading ramp</td>
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<tr>
<td>Standard</td>
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<td>Camclutch</td>
<td>Camclutch</td>
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<tr>
<td>Baletrak Plus</td>
<td>GreenStar™ Display 1800 or no monitor</td>
<td>GreenStar Display 1800 or no monitor</td>
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<td>Option – Tank system</td>
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<td>15/55-17 500/50-17 500/55-20</td>
<td>16/70-20 500/55-20 520/55R22.5</td>
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<td>75 (100), no knife – knives not engaged 82 (110), 13 knives engaged</td>
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<tr>
<td>89 (120), 25 knives engaged</td>
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<td>89 (120), 25 knives engaged</td>
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</tbody>
</table>
Chances are that when you need us, you need us right then and there. For advice, to solve a problem, or for a part. Reach out, we’ll be there with technicians who are factory trained, ready to go to work for you, using only genuine John Deere parts and products.

Nothing runs like a Deere™