Kverneland

850-860

BALE CHOPPERS/FEEDERS

WHEN FARMING
MEANS BUSINESS

Realising the full potential of farming is about growing and developing your business, not only your crop or livestock, but also your profit. Improve productivity and profitability by focusing on the positives and minimising disadvantageous aspects, through strong, dedicated management.

Success springs from determination and clear targets, from laying down the appropriate strategy and allocating correct investments for the future. Quality results require the right ideas and equipment. When there is work to be done, you need the optimal setup and smart solutions that support you towards an easier, more profitable way of working. You need solutions that make tough and demanding conditions less complicated.

FEEDING

Accurate feeding and bedding, utilising the material to the maximum at the same time as keeping speed and pace during the process are key elements in securing a high output of your livestock.

ARRAY OF MODELS

Loading capacity ranging from 2.0 to 6.0m³

KVERNELAND BALE CHOPPERS/FEEDERS
APPETITE FOR MORE

Some tasks are required to run smoothly, day by day, even when facing challenging conditions. Kverneland bale choppers are designed specifically with this in mind. They are efficient, productive solutions that lower operating costs through higher accuracy and performance. Developed to offer more capacity, reaching longer blowing distances and doing the job in less time. Using a bale chopper for the bedding job gives an even spread of material with significant potential of material savings due to a more accurate spread.

The Product Range:

Kverneland 852
2.0m^3 bale chamber
Single drum feed system

Kverneland 863
3.0m^3 bale chamber
Single drum feed system

Kverneland 863 Pro
3.0m^3 bale chamber
Single drum feed system

Kverneland 866 Pro
6.0m^3 bale chamber
Two drum feed system

FUNNEL DESIGN BALE CHAMBER
EFFICIENT MATERIAL FLOW

Smooth Bale Chamber Design

A Kverneland hallmark is the funnel design bale chamber. Special attention has been directed towards the chamber design, to ensure an efficient flow of material from chamber to drum. The inside of the chamber is smooth and clean for an unrestricted material flow. Material is guided towards the beater drum more evenly and it is easier to empty the chamber when finishing the bales.

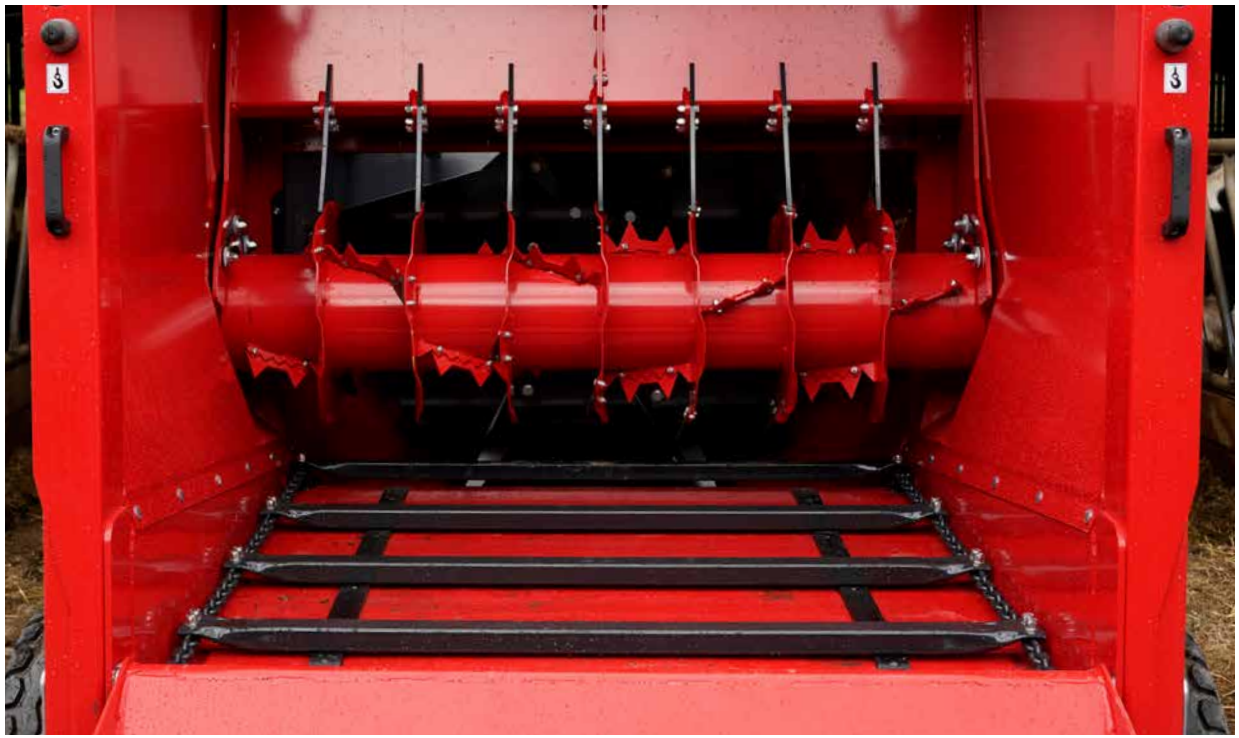
Bale chamber funnel design ensures smooth flow of material towards the shredding drum.

Floor Conveyor

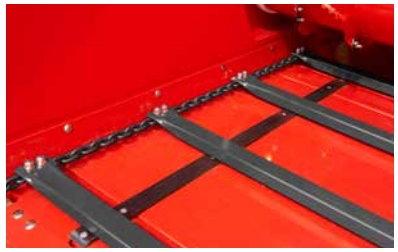
The floor conveyor consists of a hydraulically driven chain and slat floor conveyor with variable speed and reversing facility.

The ratio between floor conveyor and shredding drums is carefully designed to ensure smooth material flow. The floor conveyor runs on two wear strips made of special 'UltraGlide' plastic material to reduce friction and increase chain life.

Slat spacing has been specially determined to ensure consistent and even feed to the shredding drums. The strong conveyor slats are designed for quick and easy individual replacement. A rotating marker allows the operator to see the speed and direction of the floor conveyor from the tractor seat. The conveyor has an enclosed lower tray to ensure no spillage or crop loss.



The conveyor slats are designed for quick and easy individual replacement.



UltraGlide strips reduce wear to a minimum.

V-belt drive – low maintenance and quiet drive of the drum.

EASY AND CONVENIENT LOADING
OF MATERIAL

Remote Control of Tailgate and floor chain
On top of the control terminal located inside the tractor cab, all bale choppers are equipped with an additional remote controlled switch for the floor chain and tailgate. The ability to operate these functions directly from the side of the machine saves valuable time during loading.

Operating both tailgate and floor chain in safe distance from the moving parts, by using the remote control placed on the side of chamber.

Tailgate Design for Easier Loading of Bales

The hydraulically controlled tailgate offers a self-loading capability for easy loading of round or square bales without the need of a second tractor. The wide design of the tailgate makes it easier to load bales. A deep, curved design of the tailgate ensures that the bale is kept firmly inside the tailgate, while the net or twine is removed.

The tailgate offers the ability to carry a second round bale for increased capacity. Total lift capacity of the rear door is 1200kg. A foldable bale retaining kit can be fitted to the end of the tailgate to ensure that the bales stay in position during operation.

Easy self-loading of baled material.

Generous access for loading of bale from the side.

Wide tailgate design offers easier loading of bales.

Foldable bale retaining kit.

VERSATILE SWIVEL CHUTE
OPTIMISED FEEDING AND BEDDING

The 4-Stage Swivel Chute

The Kverneland 4-stage swivel chute offers maximised comfort and is a cost saving solution with less waste and more efficient bedding and feeding process.

The swivel chute operates in 4 stages which optimises the blowing distance when bedding. Depending on the material and conditions of the barn it can blow up to 18/20m, which allows bedding of the most distant corners of the barn.

Designed with a turning radius of 260°, the system enables easy access to even difficult reachable spaces for complete bedding. The 4-stage movement also optimises feeding performance in flat or high troughs, without blockage, even with long fibrous material from round bale silage or hay.

Easy shifting from bedding to feeding on the 2-speed gearbox.

2-Speed Gearbox for Bedding or Feeding Configurations

To provide the correct flywheel speed for bedding and feeding the bale choppers are fitted with 2-speed gearbox. The gearbox speed is adjusted by the handle on the side of the machine.

- At lower speed the flywheel ensures a metered flow of silage or hay for feeding.
- At high speed a powerful blow for the most efficient distribution during bedding is ensured.

In-Cab Control

Kverneland bale choppers offers a greater range of adjustments from the cab with an intuitive and user friendly controlbox. A joystick easily controls the 4-stage swivel chute.

On top of the control terminal located inside the tractor cab, the Kverneland bale choppers are equipped with an additional remote controlled switch for the floor chain and tailgate.

The 4-stage swivel chute is operated by the intuitive control box joystick.

FINISH THE JOB
FASTER

A key aim of the next generation Kverneland 860 series is to provide more capacity by shredding the material faster. Flywheel housing and blowing paddles have increased in dimensions to increase performance. This means more material is fed faster into the flywheel, finishing the bale at an impressive pace.

New wider flywheel housing with capacity for more material to flow through, faster.

1 Wider Flywheel Housing for More Capacity
The extended dimensions of the flywheel housing and blowing paddles increase performance of the bale chopper. This enables the new Kverneland 860 series to handle more material at higher speed and efficiently transport the material into the chute.

2 Beater Drum Design for More Productivity
Kverneland 860 series use a smaller diameter beater, creating a more open design to handle larger volumes of material. Redesigned grippers provide more aggressive guidance of material into the flywheel.

3 Improved Flywheel Design
1.55m diameter flywheel with 6 specially angled blowing paddles, designed for transporting large amount of material. Bolt-on paddles ensure easy replacement in case of damage.

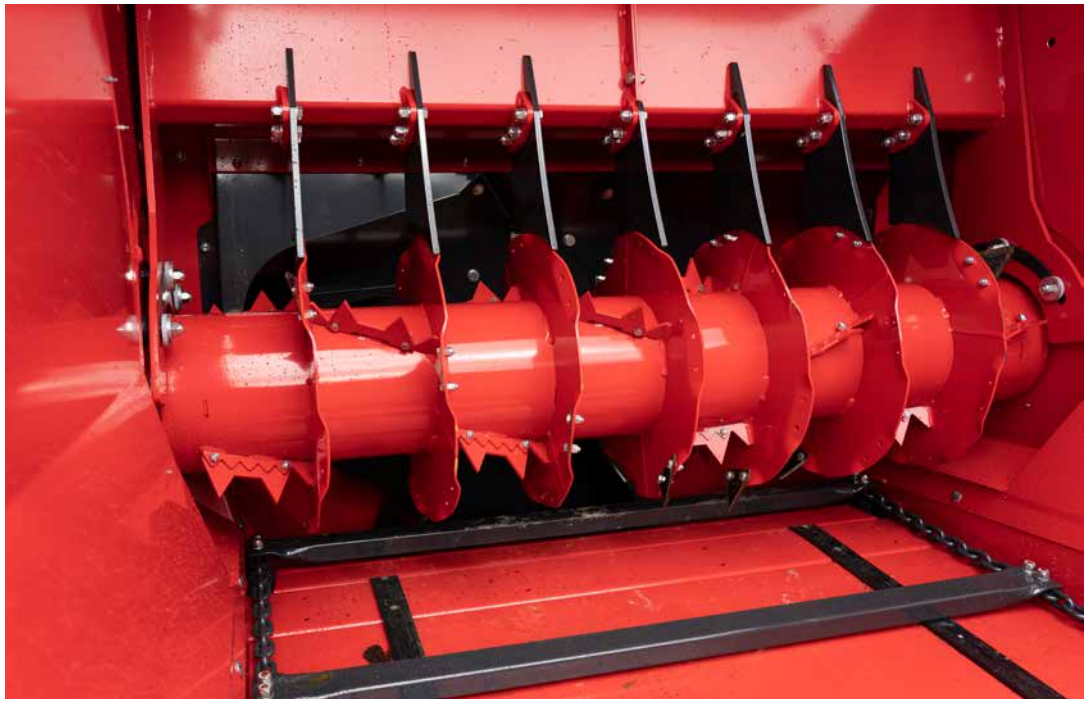
4 Wider Swivel Chute Design
Size and area of exit from flywheel housing to swivel chute has increased to match the extended dimensions of the flywheel housing. This support higher capacity and reduces risk of blockage.

More Productivity

Kverneland 860 series is our next generation bale choppers that offer a completely redesigned flywheel solution with focus on increased material flow.

The extended dimensions of the flywheel housing and blowing paddles increase performance of the bale chopper. This enables the Kverneland 860 series to handle more material at higher speed and efficiently transport the material into the chute.

Bolt on paddles for easy and time efficient repair in case of damage.



Small diameter shredder rotor capable of handling large volumes of straw.

A Kverneland patented system - the knives pass the fixed comb on alternative sides for a more even cut.

Unique Drum Design to Handle a Wide Variety of Materials

Kverneland bale choppers include a unique drum – knife configuration. The knives are mounted on angled rings so they pass a fixed 'comb' on alternative sides.

This ensures that the materials are cut and fed into the flywheel chamber evenly, reducing the risk of blockage, offering even discharge and leaving the drum and comb clean.

The drum is fitted with 14 knives as standard, but will accept a further 28 knives according to material type – simply bolt them on in a matter of minutes.


Kverneland
866 PRO

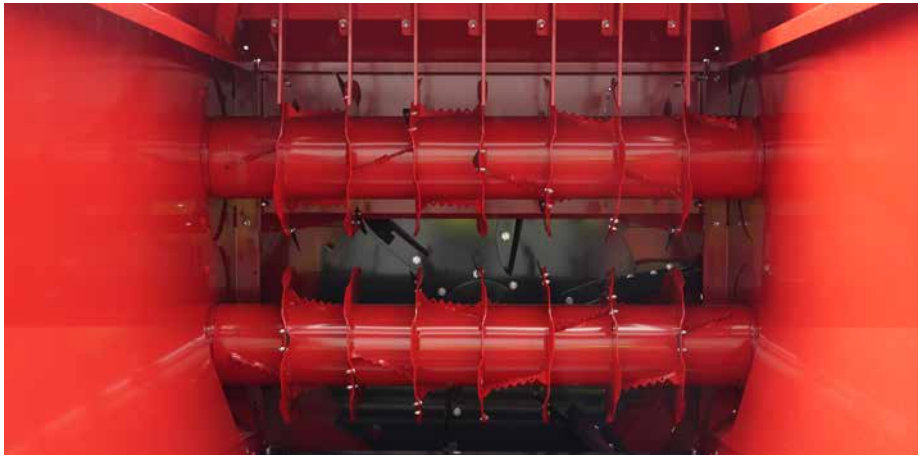
MORE PRODUCTIVITY
– FASTER BEDDING AND FEEDING CYCLES

Get the Job Done - Faster

Step up in dimensions and speed with the Kverneland 866 Pro. This is the choice when you need more capacity to get the job done, fast. The Kverneland 866 Pro is designed in every aspect for faster bedding and feeding cycles.

It comes with a high capacity bale chamber that will carry 6m^3 material or up to three round bales. With its two-drum shredding solution combined with the high-capacity flywheel housing this is a bale chopper designed to process a lot of material in short time.

- Powerful bale chopper with two shredding drums for high-capacity shredding
- High volume bale chamber with 6m^3 capacity designed for 3 round bales.
- Wider flywheel housing with capacity for more material to flow through, faster.
- Hydraulic activation of shredder rotor to allow flywheel to reach full speed before material is shred.



Two-drum solution designed to handle large volumes of material.

Two Shredding Drums for More Capacity

The Kverneland 866 Pro can handle high volumes of material in short time. It features a two-drum shredding solution that aggressively cuts and guides the material towards the flywheel. This bale chopper is able to cut and move the material quickly and get the job done in less time.

The Kverneland 866 Pro uses two smaller diameter beater drums, creating a more open design to handle larger volumes of material. Redesigned cutting teeth provide more aggressive cut and better guidance of material into the flywheel. This means more material can be quickly shred and fed into the flywheel housing.

Hydraulic Activation of Shredder Rotor

Valuable time is lost, if you block chute and flywheel and manually need to unblock it. With the Kverneland belt clutch solution, the shredder rotor can be run independently from the flywheel and disengaged when starting up the flywheel. This allows the flywheel to go to full speed before the shredder rotor is activated and starts feeding material into the flywheel housing.
All done hydraulically from the tractor cab.

The Kverneland 866 Pro comes with a 6m^3 capacity chamber. This allows for up to 3 round bales in one go.

Optional side extension plates available to increase bale chamber capacity by up to 1m^3 and reduce spillage of material.

Flywheel can be activated and run at full speed before the shredder drums are activated and material is being fed into the flywheel housing.

Kverneland 866 Pro, offers an open-design bale chamber for easy access when loading from the top.

The extended drawbar, standard fitted with wide angle PTO, ensures easier operation, especially when turning with larger tyred tractors.

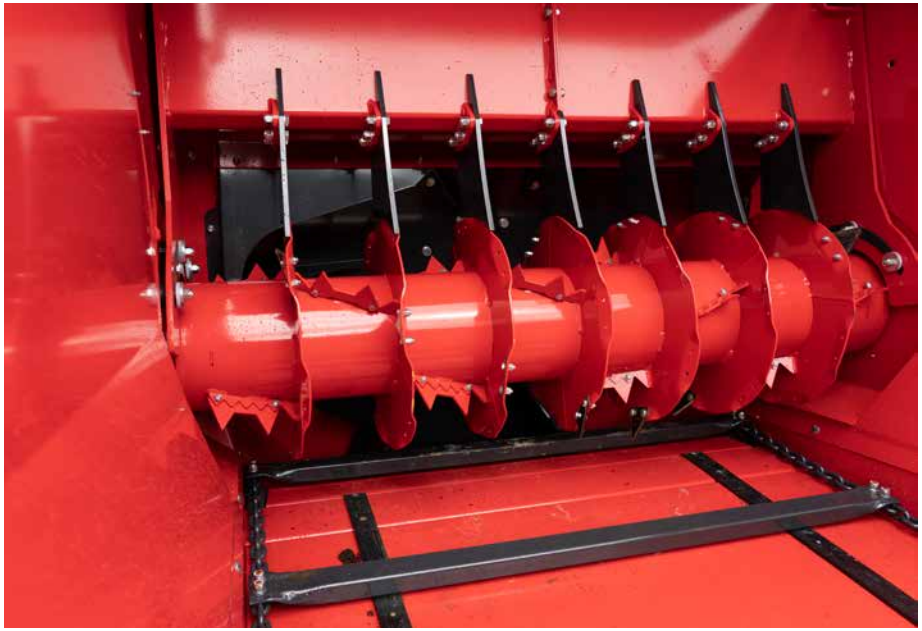

Kverneland
866 PRO

AN ULTIMATE ALL-ROUND
BALE CHOPPER

Performance to Do More

The Kverneland 863 Pro is designed to distribute straw, hay and silage and is a flexible and efficient solution for bedding and feeding applications. It come with a new designed belt clutch solution for disengagement of the shredderr rotor and a new designed hydraulic comb.

- Wider flywheel housing with capacity for more material to flow through, faster.
- Hydraulic activation of shredder rotor to allow flywheel to get at full speed before material is being shred.
- Hydraulic comb to control material flow into the flywheel.
- Top guard reduces spillage and guides material towards the shredder drum.



Flywheel can be activated and run at full speed before the shredder drum is activated and material is being fed into the flywheel housing.

Hydraulic Activation of Shredder Rotor

With minimum downtime in mind, the Kverneland 863 Pro has a new anti-blockage solution. Valuable time is lost, if you block chute and flywheel and manually need to unblock it.

With the Kverneland belt clutch solution, the shredder rotor can be run independently from the flywheel and disengaged when starting up the flywheel. This allows the flywheel to go to full speed before the shredder rotor is activated and starts feeding material into the flywheel housing. This all done hydraulically from the tractor cab.

Hydraulic Comb

The Kverneland 863 Pro is developed to work efficiently with straw, hay and silage material. The operator will enjoy the hydraulic comb that is controlled from the tractor cab. It is an efficient tool to control the flow of material into the flywheel to prevent blocking flywheel and chute. Especially when feeding loosing material like clam silage it proves to be a values feature.

Top Guard

The new top guard reduces spillage and ensures material stays inside the bale chamber. It efficiently guides material towards the shredders. When loading new material into the bale chamber, the top guard can be opened to allow unrestricted access and easy loading.

MAXIMUM PERFORMANCE
SMOOTH OPERATION

The Kverneland 863 has the power to perform with its new high capacity flywheel housing. It features better crop flow and more shredding capacity for improved capacity.

- Wider flywheel housing with capacity for more material to flow through, faster.
- Slim design of shredder rotor allows more material to flow through.
- 4 stage swivel chute for more accurate bedding and feeding applications.
- Extended drawbar design and wide angle PTO for better manoeuvrability.

The extended drawbar ensures easier operation, especially when turning with larger tyred tractors.

Adjustable slide for guiding material away from the wheel of the bale chopper.

4-stage swivel chute for more accurate guidance of material. Especially when using the feeding application.

Operating both tailgate as well as floor chain in a safe distance from the moving parts by using the remote control placed on the side of the 860 series.


Kverneland
852

Accurate and Even Bedding
The Kverneland 852 connected to a tractor allows quick pick-up of bales and provides enormous manoeuvrability even on difficult farm places and barn passages. The economic concept can be upgraded with various options to all farm demands.

THE EFFICIENT AND SIMPLE ANSWER FOR BEDDING AND FEEDING

The Drum and Flywheel

The working heart of the Kverneland 852 is the combination of drum, comb and flywheel – all specifically designed to shred straw bales of various formats. The drum is fitted with spirals of knives and small 'gripper' teeth which take the straw from the bale and feed it evenly into the flywheel chamber.

The drum-comb combination is designed for shredding straw bales in all formats.

For multipurpose of bedding and feeding, a silage kit with extended comb is available.

The Bedding Specialist

The Kverneland 852 mounted bale chopper is specially designed for working with straw for bedding purposes. The 2m³ chamber offers fast and easy loading of bales and the tailgate offers the possibility to carry an extra bale for improved efficiency.

Self-Loading of Bales

The hydraulically operated tailgate fitted to the Kverneland 852 provides a convenient self-loading facility for easy loading of square or round bales.

The special design of the tailgate and optional bale retainer offers the possibility to carry an extra round bale.

Convenient and simple self-loading of bales.

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TECHNICAL DATA

	Bale Choppers I Feeders								
Model	852	863	863 Pro	866 Pro					
Cubic Volume (m^3)	2.00	3.00	3.00	6.00					
Chassis	Mounted	Trailed	Trailed	Trailed					
Metering System	Single Drum	Single Drum	Single Drum Belt clutch	Two Drum Belt clutch					
Blowing Distance* (m)	up to 18	up to 20	up to 20	up to 20					
Gearbox specifications	2-speed	2-speed	2-speed	2-speed					
Capacity									
Load Capacity (kg)	800	1500	1500	3000					
Unloaden Weight (kg)	1435	1950	2000	2460					
Max. Round Bale Width (m)	1.35	1.35	1.35	1.35					
Max. Round Bale Diameter (m)	1.80	2.10	2.10	2.10					
Max Square Bale Size (m)	1.20x1.20x2.50	1.20x1.20x2.70	1.20x1.20x2.70	1.20x1.20x2.70					
Dimensions									
Overall Lenght - Door Closed (m)	2.87	4.00	4.00	5.14					
Overall Height (m)	2.60	2.66	2.66	2.66					
Overall Height - Chute Open	2.70	3.06	3.06	3.06					
Overall Width - Machine (m)	2.14	2.00	2.00	2.00					
Overall Width - Over Tyres (m)	-	2.01	2.01	2.34					
Discharge									
Type of Chute	Swivel Chute	Swivel Chute	Swivel Chute	Swivel Chute					
Chute Design	3-Stage	4-Stage	4-Stage	4-Stage					
Drive	Electric	Hydraulic	Hydraulic	Hydraulic					
Attachment to Tractor									
Power requirem. At PTO (kW/HP)	40/55	51/70	51/70	56/75					
PTO Input Speed (rpm)	540	540	540	540					
Wide angle PTO	NA	●	●	●					
Safety Protection	PTO Friction Clutch & Overrun								
Tractor Flow Requirement	40 l/min @ 180 bar	50 l/min @ 180 bar							

	Bale Choppers I Feeders								
Model	852	863	863 Pro	866 Pro					
Equipment									
Ultra-Glide Wear Strips	●	●	●	●					
Control Box with Joystick	●	●	●	●					
Remote Control	●	●	●	●					
Silage Kit	○	●	●	●					
Drawbar, Ring Hitch or 2-pt Linkage	-	●	●	●					
Number of Knives/Drum	14 x Standard - 28 extra optional								
Wheel Equipment	-	10x15.3x14ply	10x15.3x14ply	11x15.3x14ply					
Bale Retaining Kit	○	○	○	○					
Road Light Kit	○	○	○	○					
Mudguards	-	○	○	○					
Side Extension Plates	-	-	-	○					

● Standard equipment
○ Option
- Not available
* Depending on material and barn-specific conditions

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