FARO

Loader wagon with loading rotor

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PÖTTINGER

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FARO
PÖTTINGER

Loader wagons for tractors from 63 kW / 85 hp

FARO – the smooth running mid-class wagon , named after the Spanish/ Italian word 'faro' which means lighthouse - pointing the way forward in the grassland industry. Designed for tractors starting at 85 hp (63 kW). FARO L models are without beaters. FARO D models are equipped with two discharge beaters (three available as an option). These high performance wagons are ideal machines for both farms and smaller contractors alike.

Harvesters, loaders or balers?
There is no single method for choosing the ideal harvesting process. The decision has to be based on the specific situation. Field-to-farm distances, sizes of field, forage yields and the workforce available are the decisive factors.

Contents

Impressive construction

Reliable quality

Frame design

The professional user demands reliable build quality for a long service life. PÖTTINGER responds to this requirement with ingenious technology, top quality materials and precision workmanship. The market leader has set new standards for silage wagon technology with high quality manufacturing and a modern design.

The FARO chassis consists of a bolted, full-length frame construction (C 220x70x50x5-QSTE) in fine-grained steel without welded joints. The fully-enclosed steel bodywork is designed to withstand high operating loads. Sturdy side walls and close column spacing provide high strength. The straight, heavy-duty side columns are bolted to the frame, not welded. What makes it special: Fine-thread bolts for the highest strength.

Attachment

- The standard drawbar is hinged with two double–acting cylinders (drawbar shock absorbers optional). Offering a ground clearance of 25.6" / 650 mm, the wagon can drive over the clamp no problem.
- These silage wagons can be equipped for low or high drawbars. A low drawbar exerts less pressure on the front axle – a considerable advantage on slopes and in the clamp.
- Cables and hoses are routed tidily so as not to hinder operation.
- A pivoting parking stand avoids time–consuming cranking when hitching or unhitching the wagon and is out of the way of the swath during operation.
- A Scharmüller ball hitch is available as an option to increase safety and convenience.

Extension

A key quality feature is the impact-resistant CIP powder coated finish. The powder-coated topcoat has proved itself in the field thanks to its elasticity and durability. Automotive quality paintwork on PÖTTINGER agricultural machines since 1996.

- Smooth wall panels with special coating ensure that all the forage is completely unloaded.
- Close pillar spacing for high stability.
- Precision-bolted during assembly – no slotted holes.
- Extension bars are height-adjustable for different height restrictions.
- Easy access to the interior of the wagon is provided by means of an access ladder (optional on the L version).
- Inside width: 6.89' / 2.10 m

All-steel structure

- The extension bars can be adjusted by -4.72"/8.26" / -120 mm/210 mm to lower overall height.
- On the FARO 6300 / 8000 the roof ropes can be replaced with metal roof profiles. The robust profiles provide better crop compaction with dry forage and straw.

Dry crop extension

- A hydraulic folding dry crop extension is also available for FARO 3500 to 4500.
- These make height restrictions of 9.71' / 2.96 m passable.

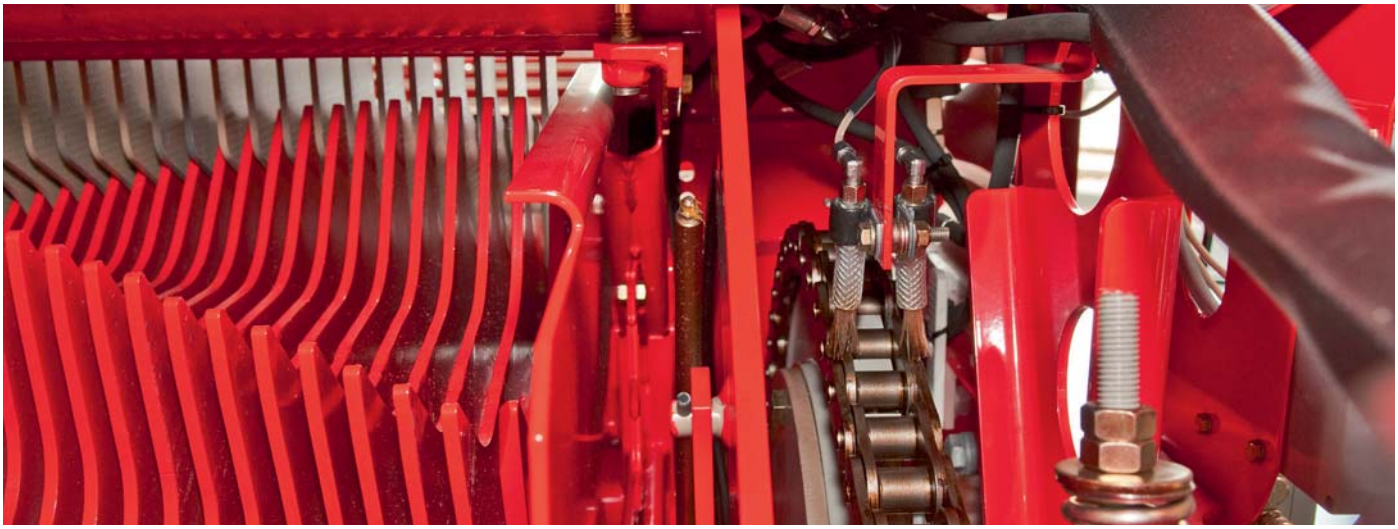
Driveline and power transmission

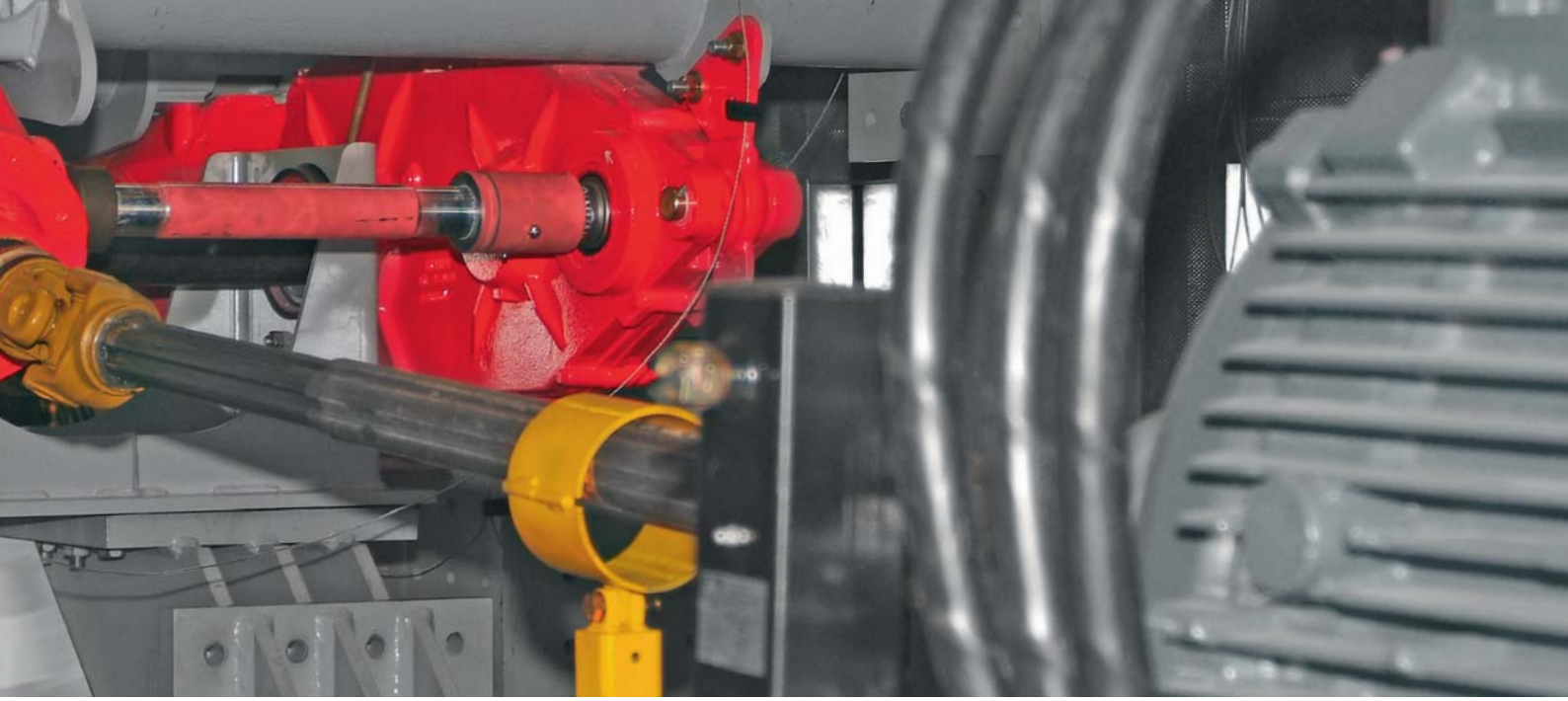
Nobody does it as smoothly

Best possible power transfer

High capacity harvesting requires high specification driveline components. High torque protection is a special feature of PÖTTINGER driveline technology. In the PÖTTINGER Test Centre the drive elements are put through their paces in the toughest working conditions.

- Power is supplied by a PTO shaft with a single wide-angle constant velocity joint.
- A cam-type clutch coupling protects the driveline.
- High torque protection of 1400 Nm.
- Delivering high performance even in the 85 to 130 hp range.





Drive system

Heavy-duty and automatic

- The robust helix-cut gears are generously proportioned. Power is transmitted to the loading rotor by a 1 1/2 inch high strength simplex chain.
- Automatic chain tensioner
- The rotor and pick-up drive chains are lubricated automatically each time the pick-up is raised.

Scraper floor drive system

- The scraper floor drive is located on the side of the wagon and is powered by the tractor's hydraulics.
- The speed can be regulated infinitely from the operator terminal.
- Optional 2-speed motor is available for high-speed unloading.
- Central greasing manifold.

Beater drive system

- The beater rotor drive transmission is fully protected and is routed along the right–hand side of the wagon.
- The drive shaft is protected with a cam clutch coupling set at 1200 Nm.
- Sturdy right angle gear boxes and a heavy duty chain transmit the power to the beater rotors.
- Central greasing manifold.

High performance pick-up

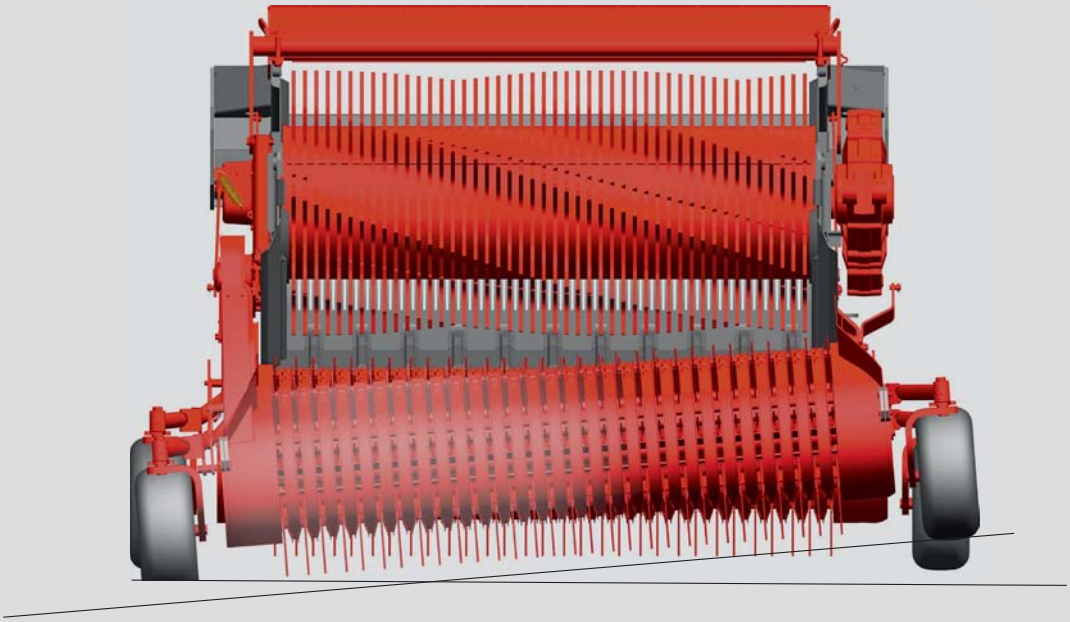
Dynamic separation of forage and soil

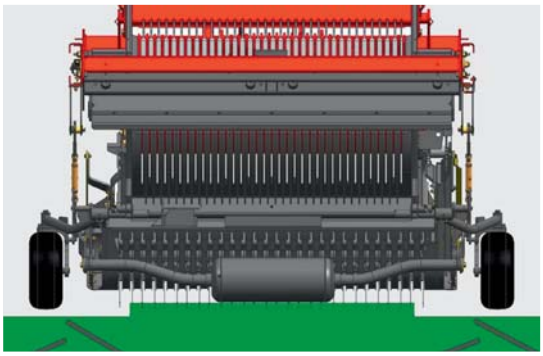
Freely-suspended pick-up system

High loading speeds require a reliable and powerful pick-up. The PÖTTINGER suspended pick-up with six rows of tines delivers impressive performance – even at high forward speeds and in all harvest conditions.

A controlled pick-up for less forage contamination.

- The tines on the pick-up are controlled during their sweep action to protect the sward and prevent soil and stones from being collected. This ensures a lower raw ash content in the forage.
- The pick-up is controlled from both ends by a cam track made of steel with a solid centre. The sealed twin-race roller bearings on the cam rollers are designed to withstand high stresses.
- The 1.85-m wide, six-row pick-up guarantees maximum feed rates.
- The transfer from the pick-up tines to the rotor has been optimised and adapted to the overall throughput of the wagon.
- Easy maintenance – the tine bar only needs to be lubricated once a year; the central bearing after 80 loads.
- Clean forage thanks to tempered transfer plates – separate the soil from the forage. Only a clean crop can guarantee trouble-free fermentation for high quality silage. Additionally, the chopping system is reliably protected.

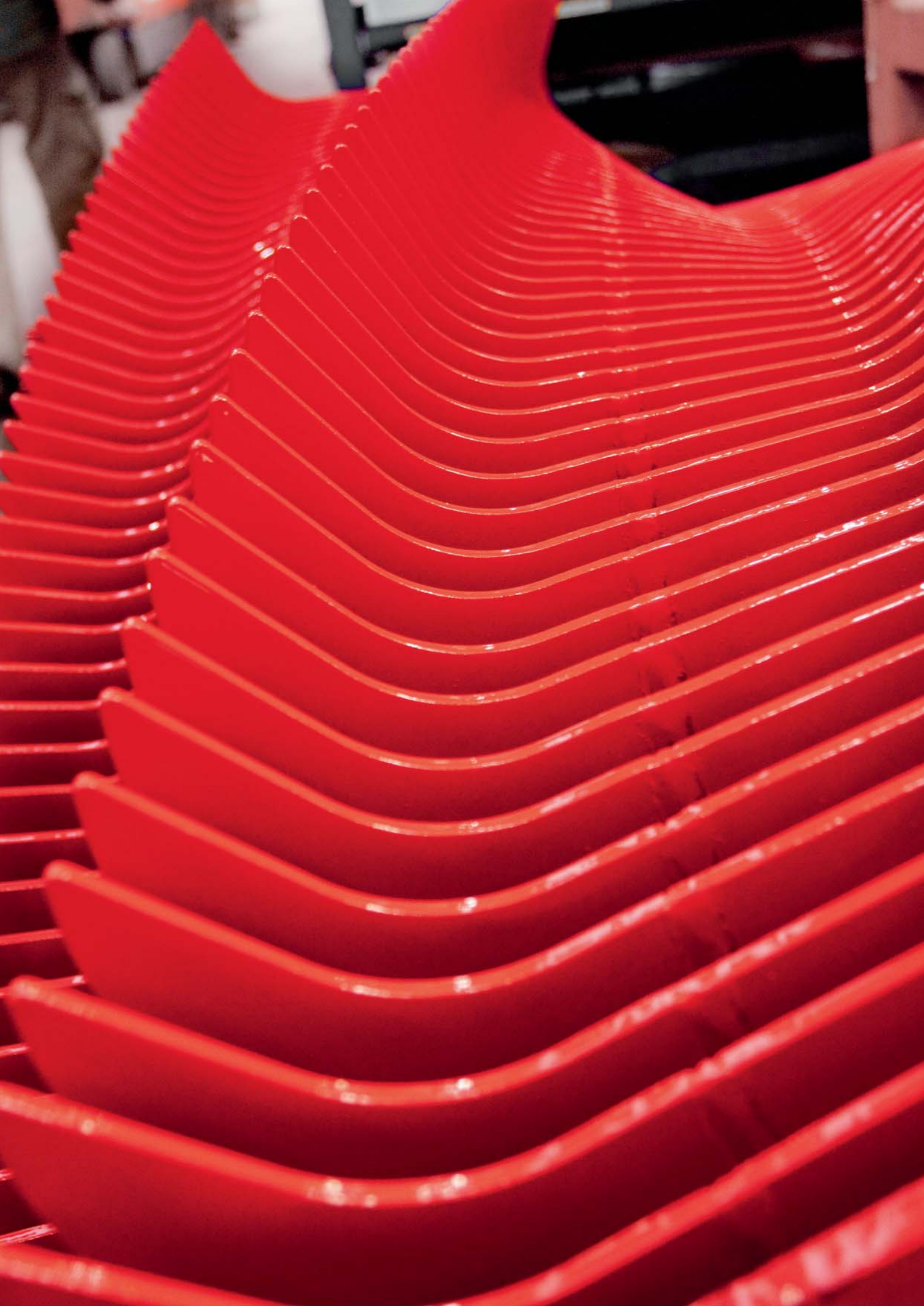




Perfect ground tracking

Clean base forage has a high value.
Farmers confirm that only PÖTTINGER's controlled pick-up system manages that.

- The height-adjustable jockey wheels (16x6.5-8) touch the ground at the point of tine contact and guide the pick-up perfectly over every undulation. Trailed jockey wheels are standard on the FARO 6300 / 8000.
- A height-adjustable wind guard with swath roller as standard ensures perfect forage flow even at high loading speed and also with short and wet crops.
- The freely-suspended pick-up ensures previously unattained pick up quality.
- Two jointed support arms ensure the pick-up has complete freedom of movement. A spring also alleviates the pick-up weight so less pressure is exerted on the ground.
- On D models: Automatic switch-off of pick-up, when raised.
- This newly-developed additional support roller is located behind the middle of the pick-up on PÖTTINGER loader wagons. Being located in the centre prevents it from sinking into tractor wheel marks and as a result guarantees perfect ground tracking. The support roller can be adjusted independently of the jockey wheels. Thanks to the additional support roller and raw ash content of the forage is low and the forage remains clean.



High capacity performance

For more efficiency.

ROTOMATIC PLUS – FARO loading rotor

The structure of the forage greatly determines its digestibility. The rotor has to be able to chop and compress the forage at a high throughput rate. ROTOMATIC PLUS is the heart of the FARO.

- The ROTOMATIC PLUS loading rotor has a diameter of 2.46' / 750 mm and consists of 7 rows of tines. The teeth are arranged in a helix in order to ensure pulse–free and smooth loading without torque peaks.
- The hardened rotor tines are made of 0.23" / 6 mm thick fine-grained boron steel Durostat 500.
- They ensure the continuous collection of the crop and uniform pre-compaction of the forage. As a restult, the loading chamber is filled evenly.
- The enormous loading performance and low power requirement make the FARO a highly-productive machine.
- The ROTOMATIC PLUS loading rotor is mounted on heavy-duty self-aligning bearings in the frame for an extended service life.
- Minimum maintenance is required. Automatic chain lubrication for the main drive and pick-up is standard.
- Excellent chopping quality – thanks to a controlled chop.
- 54 tine rings, 2.00" / 51 mm chop length

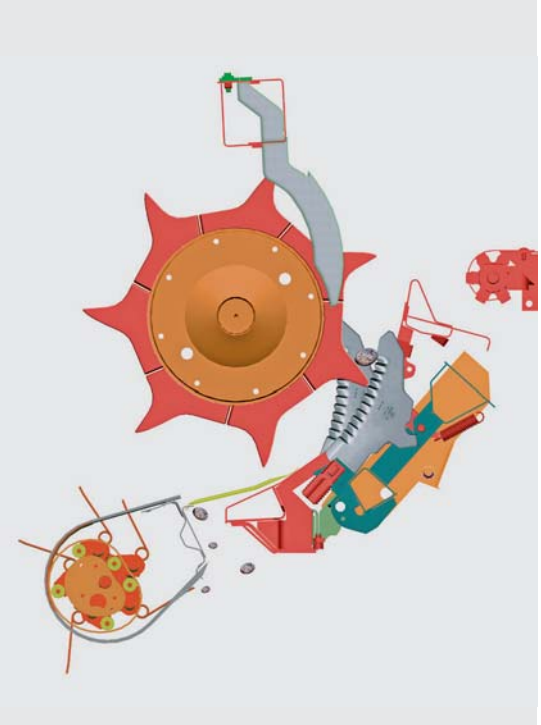
Swing out knife bank

EASY MOVE – the original

EASY MOVE – the original

A precise and consistent cut is the basis for the best silage quality. The high chopping quality of PÖTTINGER silage wagons is confirmed on a regular basis by professionals in the field.
The unique solution from PÖTTINGER: EASY MOVE – the knife bank swings out alongside to provide top class operating convenience. PÖTTINGER led the industry by introducing the EASY MOVE swing out knife bank back in 1999.

- Easy hydraulic lowering of knife bank by pressing the button on the left-hand side of the wagon.
- Remove the interlock pins and swing the bank out to the side.
- Release the knives using the lever.
- The knives are made of hardened tool steel.
- The serration on one side ensures a precise cut even if the knife edge is dulled.
- The forage is always chopped cleanly rather than torn off.
- The knife shape provides a continuous sliding chop over its full length.



Knife security system – unique function

Time and cost pressures make machine down time an expensive business. Foreign bodies are a danger to the most important elements of the machine – the rotor and chopping unit. PÖTTINGER protects the heart of the silage wagon with an innovative device – the patented foreign object protection system. Each knife is individually protected.

- High output requires an adapted trigger pressure. The knives are individually held securely in the correct position and ensure an even chop. PÖTTINGER‘s special feature: the trigger pressure does not depend on the size and point of contact of the foreign body.
- If foreign bodies are picked up, the smaller pieces fall through between the pick-up and the rotor.
- Larger foreign bodies are pushed by the rotor onto the knife and move it briefly in the direction of rotation.
- The trigger roll at the back of the knife is lifted out of its holder and the knife releases the foreign body. The resistance is minimal when tripped, which protects the knife.
- After the object has passed through the chopping system, a spring pivots the knife back into its original position.

Loading

For optimum filling

Scraper floor

Reliability for long service

A strong hydraulic motor provides the drive. The speed can be easily controlled. The scraper floor can also be driven by a two-speed motor (optional), which ensures rapid unloading.

High performance with 4 scraper floor chains

- The scraper floor is equipped with four chains. The tempered slats are separated and offset. The load chamber floor is constructed of pressure–impregnated, durable wood. The tongue-and-groove boards are bolted to the frame.
- Easy maintenance – lubrication of the front scraper floor shafts takes place from the side of the wagon.

Automatic loading system

Professional users demand a high volume of forage with uniform loading. The forage is already compressed inside the transfer duct. The automatic loading system ensures optimum filling of the load chamber.
Standard on FARO 6300 / 8000.

The constant force progression whilst loading without torque peaks is a feature of the automatic loading system. There are two integrated sensors for monitoring the loading process – they automatically control the scraper floor depending on loading status. This protects the driveline while filling the loading chamber constantly and uniformly.

❶ Sensor in front panel
Even with wet, heavy forage the loading rotor does not 'mash' the crop under excessive pressure.

❷ Sensor in upper section of chamber
This sensor measures the load status of the trailer so that the driver does not have to do so. This significantly improves the filling efficiency of the loading chamber.

- Wagon full signal: When the wagon is full, the pressure on the tailgate below the beater rotor switches the scraper floor drive off on D models for effective protection against overloading.
- The scraper floor can also be manually controlled.

Unloading

Uniform distribution for best quality forage.

Unloading – with L models

A uniformly distributed blanket of forage is essential for perfect compression. The automatic discharge system on loader wagons without beaters protects the machine and makes life easier for the driver.

- The tailgate and scraper floor are controlled in sequence.
- The full cross-section of the wide opening enables quick unloading.
- Universal tailgate
- The tailgate is opened and closed hydraulically without a mechanical interlock.
- An adjustable tailgate strut is available as an option for unloading in low sheds.

Unloading – with D models

Automatic unloading – just press one button

- D models feature an automatic unloading system for uniform distribution
- A pressure sensor in the beater rotor bearings switches the scraper floor on and off automatically during unloading. The driver no longer has to do this.
- The new rotor geometry with dynamic tines delivers higher performance with highly-compressed forage.

Normal discharge

Fine distribution

Cross conveyor belt

Discharge options

- Normal discharge with wide open tailgate for quickly unloading high volumes of crop. The central segment is fixed to the tailgate.
- Fine discharge for controlled unloading in the clamp. The central segment of the tailgate is fixed to the body.
- An alternative fine discharge configuration is to adjust the cylinders in the struts so the tailgate is only open at the bottom.
- Third beater rotor available for fine discharge using the cross conveyor belt or especially precise dispersal in the clamp. The beater rotors can also be removed if required.

Cross conveyor belt

- Hydraulically driven cross conveyor belt available as an option.
- The forage is precisely placed on the cross conveyor belt and can be unloaded to the left or right.
- On-board hydraulics are available for the cross-conveyor on the FARO for tractors with a hydraulic flow rate below 80 l/min.
- The wide cross conveyor belt has a belt width of 2.91' / 890 mm and large openings at each end for high unloading performance, plus a curtain for covering up one end. Thanks to speed sensors, the beater rotors only switch on while the belt is running. There is also a sensor to indicate whether the cross conveyor belt is retracted or extended.

FARO chassis

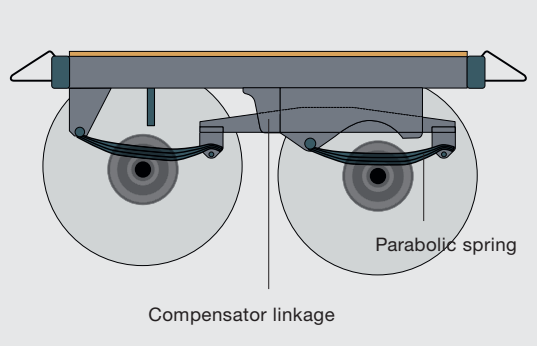
Robust – yet protects the ground

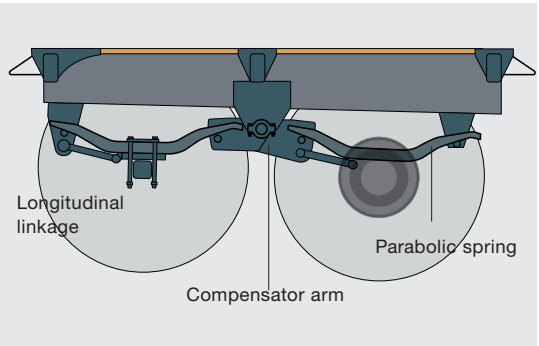
Increasing load volumes and transport speeds necessitate a robust chassis that protects the ground. PÖTTINGER has invested a great deal of effort in this topic. A heavy duty chassis with large contact surface tyres are the answer.

Chassis FARO 3500 / 4000 / 4500		
Standard	13.2 sh t / 12 t permissible overall weight	Leaf springs
Option	14.9 sh t / 13.5 t permissible overall weight	Parabolic springs
Chassis FARO 6300 / 8000		
Standard	14.9 sh t / 13.5 t permissible overall weight	Parabolic springs

Tyres

TRELLEBORG FLOTATION+	**NOKIAN Country King**	**Vredestein FLOTATION PRO**
500/50 – 17	500/50 – 17 560/45R 22.5	620/40R 22.5





Robust – yet protects the ground

- Suspended tandem axle with parabolic springs, 11.5 sh t / 10.5 t axle load
- Nine large parabolic springs provide the necessary suspension. Excellent handling in the field, on the road and in the clamp. Spring spacing 43.31" / 1100 mm.
- The compensating linkage distributes the pressure exerted on the ground evenly between the two axles. When driving over rough ground, the forces are split evenly to both axles instead of being accommodated by shock absorbers.

Tandem axles with parabolic spring suspension (optional), 13.2 sh t / 12 t axle load – excellent stability on slopes

- Parabolic springs with large spring–to–axle spacing and compensator to cancel out swaying.
- Air brakes: The four–wheel air brake system with automatic load-dependent braking system (ALB) ensures safe and smooth braking at high speed.
- Hydraulic brakes: Hydraulic brakes can be supplied dependent on local legislation.

- **Compensator arm** to cancel out swaying. Perfect suspension characteristics in the clamp – smooth running in the field and on the road.
- **Strong longitudinal linkages** absorb braking forces and control axles.
- BPW 19.84 sh t / 18 t axles with 16.14" x 4.72" / 410 x 120 mm brake shoes for powerful braking at high transport speeds (optional).
- Trailing steered axle with parabolic springs (optional).
- No damage to sward, even with really heavy loads. Shock absorbency struts supplied as standard for best driving performance at high speed.

Technical data

L wagon – version without beaters (metal roof profiles optional)

	Capacity cu ft / m³	Volume (DIN) cu ft / m³	Pick-up width	Knives (Knife spacing in / mm)	Platform height (17")	Platform height (22,5")
3500 L	1,236 / 35	777 / 22.0	6.07 ft / 1.85 m	27 (2.01 / 51)	49.2 in / 1,250 mm	–
4000 L	1,413 / 40	901 / 25.5	6.07 ft / 1.85 m	27 (2.01 / 51)	49.2 in / 1,250 mm	–
4500 L	1,589 / 45	1,007 / 28.5	6.07 ft / 1.85 m	27 (2.01 / 51)	49.2 in / 1,250 mm	53.94 in / 1,370 mm
6300 L	2,225 / 63	1,360 / 38.5	6.07 ft / 1.85 m	6 (8.27 / 210)	49.2 in / 1,250 mm	53.94 in / 1,370 mm
8000 L	2,825 / 80	1,625 / 46.0	6.07 ft / 1.85 m	6 (8.27 / 210)	49.2 in / 1,250 mm	53.94 in / 1,370 mm
3500 D	1,236 / 35	759 / 21.5	6.07 ft / 1.85 m	27 (2.01 / 51)	49.2 in / 1,250 mm	53.94 in / 1,370 mm
4000 D	1,413 / 40	883 / 25.0	6.07 ft / 1.85 m	27 (2.01 / 51)	49.2 in / 1,250 mm	53.94 in / 1,370 mm

DIRECT CONTROL

for wagons without beaters.
All functions can be selected directly.

- Graphic display
- No need to change between loading and unloading menu
- Backlit keys
- Hours and loads counters

POWER CONTROL

All functions are controlled directly from the terminal. There is integrated data logging.

- Diagnostic system
- Larger colour display
- Backlit keys
- ISOBUS compatible

D wagon – version with beaters
(third beater and cross conveyor belt optional)

Version with dry crop extension (optional)

Loading chamber area in inches / m	Length in inches / mm	Width in inches / mm	Height in inches / mm	Lowered height in inches / mm	Weight with standard axle lbs / kg	Total weight max. sh t / t
196.8 x 82.7 / 5.0 x 2.1	306.30 / 7,780	95.28 / 2,420	140.15 / 3,560	116.54 / 2,960	10,692 / 4,850	13.2 (14.9) / 12 (13.5)
223.6 x 82.7 / 5.68 x 2.1	333.07 / 8,460	95.28 / 2,420	140.15 / 3,560	116.54 / 2,960	11,023 / 5,000	13.2 (14.9) / 12 (13.5)
250.4 x 82.7 / 6.36 x 2.1	359.84 / 9,140	95.28 / 2,420	140.15 / 3,560	116.54 / 2,960	11,354 / 5,150	13.2 (14.9) / 12 (13.5)
304.3 x 82.7 / 7.73 x 2.1	413.39 / 10,500	95.28 / 2,420	140.15 / 3,560	–	12,897 / 5,850	14.9 / 13.5
304.3 x 82.7 / 7.73 x 2.1	424.80 / 10,790	98.43 / 2,500	148.03 / 3,760	–	13,227 / 6,000	14.9 / 13.5
187.0 x 82.7 / 4.75 x 2.1	324.80 / 8,250	95.28 / 2,420	140.15 / 3,560	116.54 / 2,960	11,838 / 5,370	13.2 (14.9) / 12 (13.5)
213.9 x 82.7 / 5.43 x 2.1	351.57 / 8,930	95.28 / 2,420	140.15 / 3,560	116.54 / 2,960	12,169 / 5,520	13.2 (14.9) / 12 (13.5)

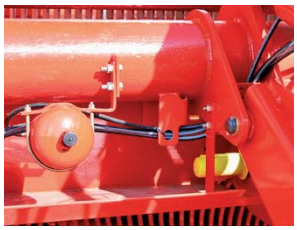
CCI 100 Terminal – 100 % ISOBUS

High-end operating convenience as an option. This operator terminal lets you control ISOBUS machines from different manufacturers.

- High quality 8.4" TFT colour screen with back-lit keys
- Touchscreen, automatic functions for loading and unloading
- USB interface, M 12x1 camera connection
- Extended ISOBUS functions such as speed-dependant control of steered axle

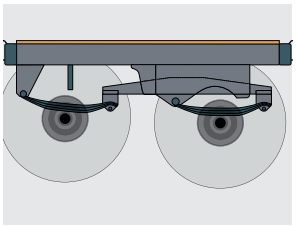
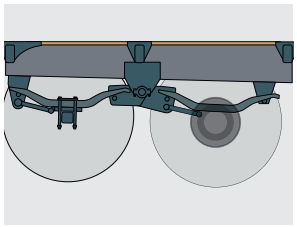
Standard & Optional Equipment



FARO	High hinged drawbar	Low hinged drawbar	K 80 ball hitch	Drawbar shock absorber
3500 / 4000 / 4500	Country-specific	Country-specific	□	□
6300 / 8000	Country-specific	Country-specific	□	□

■ = Standard, □ = Option

FARO	Parabolic spring 17"	Parabolic spring 22.5" with longitudinal linkage, BPW	Steered axle 22.5"	Dry crop extension folds hydraulically
3500 / 4000 / 4500	□ 14.9 sh t / 13.5 t	□ 4000 / 4500	–	□ 3500 / 4000
6300 / 8000	■ 14.9 sh t /13.5 t	□	□	□

■ = Standard, □ = Option



FARO	Power control	ISOBUS Operating terminal	Extension plate for tailgate	Two-stage motor for scraper floor
3500 / 4000 / 4500 L	□	□	□	□ (Power Control)
3500 / 4000 D	■	□	–	□
6300 / 8000 L	–	–	□	□

■ = Standard, □ = Option

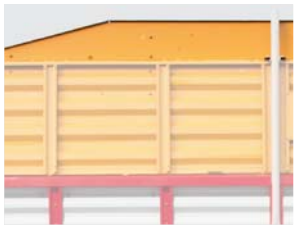
Other equipment options:
540 rpm PTO speed
PTO shaft 1 3/8" 21-spline
PTO shaft 8x32x38 8-spline
Axles track width 76.77" / 1950 mm instead of 72.83" / 1850 mm
Mudguard
Hydraulic brake
Emergency brake valve for hydraulic brakes load-sensing kit
Cable loom for rear operation
D models: Oil pressure switch for enhanced rotors
Demarcation lights





Pick-up trailing wheels	Knife bank swings out alongside wagon	Bolt on frame with 6 knives	560/45R 22.5 tyres	620/40R 22.5 tyres
□	□	□	□ 4000 / 4500	□ 4000 / 4500
■	–	■	□	□

All data not binding, equipment may vary from country to country.

Automatic loading	Crop deflector board for steel superstructure	Adjustable tailgate strut	Metal roof profiles
□	□	□	–
■	□	–	□

All data not binding, equipment may vary from country to country.




Loading chamber floodlight H3 / LED	3rd beater rotor	On-board hydraulics for cross conveyor belt	Cross conveyor belt
□	–	–	–
□	□	□	□
□	–	–	–

All data not binding, equipment may vary from country to country.



We are where you are.

We offer our customers the best developed network of sales and service partners worldwide. Being local means that we can quickly supply our customers with spare parts and that our skilled personnel can optimally deliver and install the machinery.

Our services include:

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- Long-term availability of spare parts.
- Expertise through regular training for professional personnel.
- and much more...

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