



THE POWER OF GREEN

RX

Self-loading and
forager-filled forage wagons





RX

Self-loading and forager-filled wagons

- Articulated drawbar for high ground clearance
- Drawbar suspension for comfortable rides
- Camless pick-up, W-arrangement of tines
- Swing-out cutterbar with 46 selectable knives
- Massive cut-and-feed rotor with wide Hardox tine plates



- Greater capacity from pivoting headboard
- Double chain-and-slat floor slopes at front
- Steel structure and steel floor



RX is KRONE's latest generation of forage wagons. Offering capacities between 36 and 43 m³, these machines serve two purposes – as self-loading and as controlled-unloading forage wagons but also as silage trailers in the transport fleet serving the forage harvester. The optional 30.5-inch tyres offer a higher load bearing, easier pulling, better soil protection and enhanced road safety. This versatility is paired with an outstanding reliability and efficiency, making the RX a particularly productive machine.

The RX 360 dual-purpose forage wagon	4
The RX 400 and RX 430 dual-purpose forage wagons	6
Hitch system, drawbar and running gear	8
The EasyFlow pick-up	10
The rotor cutter	12
The optional SpeedSharp blade grinder	14
The load area	16
The on-board electronic system and operator terminals	20
Technical data	22



The dual-purpose models **RX 360 GL and GD**

- Self-loading and forager-filled forage wagons
- All-steel structure, 36 m³ volume (to DIN 11741)
- Headboard hatch
- Cut-and-feed rotor with 46 blades
- Discharge rollers are an option

The sturdy 36 m³ steel structure, the headboard with its hydraulic hatch and the massive running gear with tandem axles and a steered rear axle make the RX 360 a genuine dual-purpose forage wagon. The machine can also be ordered as a GD version with solid steel sides and discharge rollers at the rear or as a GL model with solid steel sides but no discharge rollers.



The self-loading RX 360 GL/GD

The wide pick-up and cut-and-feed rotor feed the material effectively through a short feed chamber and across the full width of the load area. Arranged in close proximity to the wide rotor tines plates, the blades on the cutting system give scissor-like cuts.



The forager filled RX 360 GL/GD

The sturdy steel structure and the high 20 t gross axle weight rating make the RX 360 a dependable and cost-effective silage trailer in the haulage fleet that supports the forage harvester.



Safe road travel

The long and slim drawbar, the tandem axles, the steered rear axle and the short chassis make the RX 360 extremely agile so it manoeuvres safely in the field and on public roads.



The dual-purpose models **RX 400 GL/GD** and **RX 430 GL**

- Self-loading and forager-filled wagons
- 40 /43 m³ capacity (to DIN 11741)
- Steel structure (GL) or steel structure with discharge rollers (GD)
- Hydraulic pivoting headboard
- Cut-and-feed rotor with 46 blades

The two top models in the RX range of dual-purpose forage wagons benefit from well-proven features and innovative technology that is sourced from the ZX range to implement new and very practical ideas on the RX series.



RX picking up forage from the ground

The extra wide pick-up and feed rotor fill the load area quickly and uniformly, feeding the material through a wide chamber into the load area that can be expanded by pivoting the headboard. It is the extremely narrow gap between the blades and the feed tines that accounts for the superior cutting quality (scissor-like cuts).



Being filled by the forage harvester

Offering volumes of 40 or 43 m³, an extremely high unloading rate and an impressive 24 t gross weight, the RX models make ideal silage trailers to run in the haulage fleet serving the forage harvester. Filled either by its pick-up or the SP forager, the RX wagon serves two purposes and is therefore a particularly productive machine.



Safe road transport

The long articulated drawbar and the steered tandem axles with hydraulic levelling optimize the machine's ride and stability in the field and on public roads.



Attachment, drawbar and chassis

- Hydraulic levelling chassis is standard specification
- Range of tyre options to suit all conditions
- Long drawbar for great manoeuvrability
- Articulated drawbar for high ground clearance

Varying harvest conditions, difficult situations on the clamp, high payloads, and long-distance travel at speed call for a running gear and a drawbar that offer maximum strength and stability as well as superior comfort and safety to the operator. Specified with ball hitch, articulated drawbar, tandem axles and tyres that suit individual conditions, an RX dual-purpose forage wagon is the machine of choice for excellent performance in all applications and conditions.



Tractor attachment

All RX models hitch to a bottom-mount ball 80. Approved for tongue loads of up to 4 tonnes, these machines offer great agility at minimum wear.



The drawbar

Their long and slim drawbar gives the RX models extra agility for manoeuvring in tight turns. The standard suspension for the articulated drawbar absorbs shockloads and offers maximum operator comfort. Two massive rams on the articulated drawbar raise the laden machine and increase its ground clearance on the clamp. An optional automatic system stores and retrieves the two drawbar positions automatically.

Tyre options



800/45 R 26.5 TL 174 D
Width: 800 mm
Diameter: 1350 mm

The tread profile supplied may differ from the tread profile shown.



800/45 R 26.5 TL 174 D (Trac)
Width: 800 mm
Diameter: 1380 mm



The Tandem running gear

The rear and front axles in the RX tandem assembly are levelled hydraulically for a uniform weight distribution at all times and for smooth rides and optimum stability. A range of tyre options is available to suit all harvest conditions. Sloping mudguards prevent the crop from collecting here.

Steered rear axle

A mechanical forced steering system is available as an option on the rear axle. The steering rod makes headland turns easier, reduces scuffing and tyre wear. It is easily unlocked for quick attachment and removal. The forced steering system is set up and controlled with the help of pressure gauges. An electronic forced steering system is available as well, which allows operators to intervene and counter drifting in sloping fields or on the clamp for example.

The optional 30.5-inch tyres offer a higher load bearing, easier pulling, better soil protection and enhanced road safety.



710/50 R 30.5 TL 173 D
 Width: 730 mm
 Diameter: 1485 mm*



800/45 R 30.5 TL 176 D
 Width: 810 mm
 Diameter: 1510 mm*

* Capacity varies depending on the specification.



The KRONE EasyFlow pick-up

- 6.5 mm double tines with large-diameter coils
- Extra wide pick-up for clean and comprehensive gathering
- No cam track means fewer moving parts, reduced maintenance and extremely quiet running

The EasyFlow pick-up excels by virtue of fast, clean and thorough gathering – at high work rates and even in difficult conditions. More than that, the rugged EasyFlow with very few moving parts gives an exceptionally dependable performance.



The pick-up

Offering a work width as wide as 2 m, the EasyFlow pick-up effectively gathers even wide swaths and feeds the material in an extraordinary consistent flow to the feed rotor. Pivoting and spring-loaded, EasyFlow provides perfect ground contouring even in very rough terrain.

Camless and good

KRONE had good reasons for opting against cam track controlled tines on the EasyFlow pick-up. Instead of using many moving parts that are prone to wear, we rely on special strippers that ensure the pitch of the tines is always correct and their working width always ideal.



Double tines

The 6.5 mm diameter tines with large coils are particularly hard-wearing. Arranged in a wavy pattern, six rows of tines ensure there is always the same number of tines in work, which eliminates load peaks and spreads the material consistently across the full working width.



The crop press roller unit

The crop press roller supports the work of the pick-up by ensuring the crop is gathered cleanly and in a consistent flow. The height is adjusted easily to suit the current crop, the swath volume and ground speed.



The gauge wheels

The EasyFlow pick-up is guided by two small side-mounted gauge wheels. Adjusted without tools to alter the pick-up height, the guide wheels are castoring and can pivot flexibly for effective tracking in curves without scuffing. Two extra guide wheels at the rear are an option for EasyFlow for optimum ground contouring in very difficult conditions and on boggy terrain.



The KRONE rotor cutter

- Wide and large-diameter rotor for high intake rates
- Helical tine arrangement for quiet running
- Easy pulling blades for exact and scissor-like cuts

The rotor cutter on the RX forage wagons offers many advantages. Powerful and low-maintenance, the rotor operates very smoothly and feeds the crop super gently and consistently into the machine. The rotor blades give exact cuts, stay sharp for a long time and are very easy to replace.



The rotor

The KRONE rotor cutter is designed to give exact cuts in large volumes of crop. The 88 cm diameter rotor works at a width of 176 cm and has its tines arranged in helical rows. The tines have 22 mm wide hard-wearing plates and strippers made of high-tensile Hardox steel. The design ensures that the tines feed any crop dependably through the rows of blades, achieving precise scissor-like cuts and filling the machine fast and evenly.

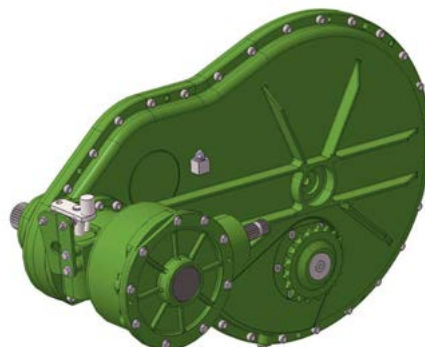
The rotor drive

The rotor is driven by a massive and enclosed spur gear. The rotor is driven by a massive and enclosed oil-immersed spur gear capable of withstanding extreme strain.



The blades

The blades have long cutting edges which give particularly light-pulling cuts. The wavy edges cut all types of crops precisely and stay sharp longer. All blades in the cassette are identical and interchangeable.





The blade cassette

The blade cassette lowers hydraulically and swings out to the side for convenient blade replacement. After the blades are unlocked on a central lever they are removed and swapped conveniently.



The blade group control system

The central blade group control system controls the cutting length. The operator selects the blades in sets of 46 or 23 to achieve nominal chop lengths of 37 mm or 74 mm. When all blades are retracted there is no cutting.



Individual blade protection

Each blade is individually protected by a tensile spring, the tripping force of which can be adjusted centrally and steplessly. After the blade has tripped, it resumes automatically its cutting position.





The KRONE SpeedSharp blade grinder

- Sharp blades – fast, automatically, and conveniently
- Sharpens 23 blades simultaneously
- Sharpens all blades consistently
- No sparks flying under the machine

Dull blades give poor cuts. Although a good grind of the blades in due time improves the quality of the forage and saves fuel and costs, operators usually like to postpone the job. Therefore KRONE developed SpeedSharp, a fully automatic grinding system that is integrated in the cutting system. SpeedSharp sharpens the blades on the machine and on the site – quickly, easily and to a high quality.



The SpeedSharp blade grinder

The optional SpeedSharp system forms an integral part of the cutting system. Arranged on the rotor, the discs grind 23 blades in one operation and without the need of removing them from the cassette. Once those 23 blades are sharpened, the process is repeated on the remaining blades, all of which are perfectly ground after just 4 minutes. Operators can customize up to 10 grinding cycles on the RX operator terminal.

Getting ready

To get ready for grinding, the blade cassette is pulled out and swung alongside the machine. After two oil lines are connected, the process is started by pushing an external control button. As grinding takes place, the sparks can fly off.



The flap discs

The discs have flaps that overlap generously to ensure superior grinds and longevity, giving a 'cold' grind that effectively cuts out the risk of annealing.

Uniform sharpness

Each grinding disc is held down on the blade by its own bevel spring, for a high-quality and consistent cut to each individual blade at minimum material wear.



The load area

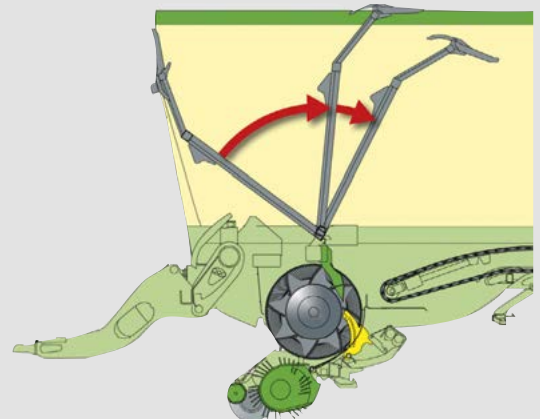
- Steel structure and steel floor
- Choice of headboards: pivoting or top hatch
- Double chain-and-slat floor slopes at front
- Standard LED light bars illuminate the load area
- With or without discharge rollers
- The optional cross conveyor belt unloads fresh forage directly on to the feed passage

The RX dual-purpose forage wagons with steel structures are made to excel in the toughest conditions. Choose a pivoting headboard or a rigid headboard with a top hatch to optimize the machine's filling capacity. Unloading, the heavy-duty chain-and-slat floor feeds even heavy forage swiftly and consistently to the rear.



The pivoting headboard

The RX 400 and RX 430 models have a hydraulic headboard which pivots to various positions to support the filling process. For example, when the machine is filled by a forage harvester, the headboard pivots all the way forward to maximize the capacity and cut out the risk of losses. By comparison, when the machine is gathering material through the pick-up, the headboard is nearly



vertical to optimize the filling process. Once the load area is filled, the headboard pivots towards the tractor to expand the load area by 4 m³, simply by using the space above the rotor. This way the RX runs much closer behind the tractor than other wagons of the same capacity. To speed up unloading, the headboard can pivot back and forth and support the work of the floor chain.



The headboard hatch

The RX 360 has a straight vertical headboard. When the combination is following the forage harvester, the tractor operator can open the top hatch towards the tractor for easier filling. The same hatch opens backwards when the machine is gathering crop with the pick-up.



The crop covers

The optional crop covers are operated from the tractor seat and folded hydraulically into transport position. Their flexible texture is tightened on sturdy frames covering the contents effectively and keeping it safely contained during long-distance travels at speed.

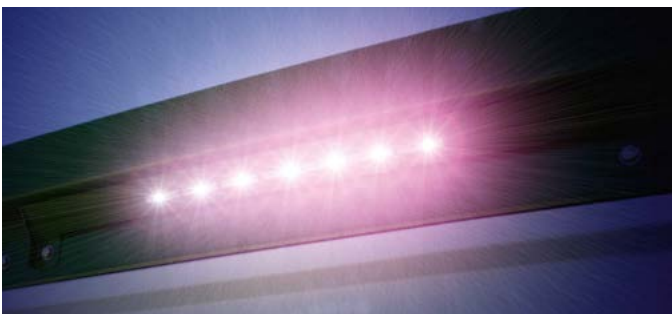


The load area



The chain-and-slat floor

Four high-tensile and tube-steel floor chains with channel steel slats are driven by two hydromotors – one on either side of the machine – and advance quickly, fast and effectively clearing out even very heavy material. The floor slopes at its front end, thereby shortening the passage-way into the machine and reducing the strain on the crop as well as the input power whilst boosting the intake rate.



The lights in the load area

To improve visibility during the small hours and night, the loading area is lit by four LED light bars.



The feeding belt

The optional cross conveyor belt is an ideal feature for farmers who feed the fresh forage directly to their cows. The 90 cm wide belt feeds the material to the right and left side. But you can also empty the machine as usual via the discharge rollers without any previous modification by opening the “rucksack” tailgate together with the integral belt.



The automatic loading system and auto fast mode

For greater operator comfort and relief, the machine can be specified with optional sensors that start and control the chain-and-slat floor automatically. A sensor on the headboard measures the pressure that is exerted by the material, ensuring the machine is used to capacity during pick-up loading. Another sensor measures the current angle of the hatch when the filling level is high. When the preset pressures are exceeded, the chain-and-slat floor is started automatically. Depending on the current load, the auto fast mode switches the floor chain to a higher speed to speed up unloading.



Unloading via discharge rollers (GD version)

The discharge rollers unload the material in very uniform mats. Available in sets of two or three, the bottom rotor always spins at a higher speed. All rotors in the assembly have their tines arranged in a 'V' and are driven by the clutch-protected tractor driveshaft, a concept that makes for efficient and fast unloading.



The KRONE on-board electronic system and the operator terminals

- Comfortable, practical and clear
- Easy and user friendly
- ISOBUS compatible

The KRONE Comfort electronic system brings fun to field work, making the dual-purpose RX forage wagons easier to use and faster, too.

The wagons can be operated from various terminals that cater for two different applications.



DS 100 control unit

The layout of the DS 100 control unit is specially designed for the convenient operation of a forage wagon, providing optimum ergonomics and haptic press button feedback to the operator so they can now use the keypad without looking down.



Delta terminal

The Delta terminal has a 5.5-inch touch screen, a touch pad with 12 function keys and one dial. From here, operators control all loading and unloading functions, collect and store machine data and carry out diagnostic routines. They can also connect an optional AUX joystick and a CCTV camera for added comfort.



CCI 1200 terminal

The CCI 1200 operator terminal with 12-inch touchscreen offers the same features as the Delta terminal plus it allows operators to split the screen in two views, for example to see all machine control elements in one view and the camera footage in the other. Also, an additional AUX joystick enhances operator comfort even further.



Existing third-party terminals

If the tractor has an ISOBUS terminal, you can use this to control the electronic system on RX. In this case, there is no need for a KRONE terminal and operation is even more convenient.

Weighing system

The optional weighing system uses sensor pins on the chassis and on the articulated drawbar to determine and store the weight of the load.



Technical data

- 36 m³, 40 m³ or 43 m³ capacities
- Complete with blade cassette
- With or without discharge rollers
- 24 t gross weight rating

		RX 360 GL	RX 360 GD
Capacity (to DIN 11741)	approx. m ³	36	36
Pick-up working width (to DIN 11220)	Approx. m	2.01	2.01
Cutting system Cutting lengths with 23/46 blades	approx. mm	74/37	74/37
Discharge rollers Standard/option	Number	-	2/3
Input power	from approx. kW/hp	110/150	110/150
Length		10.06	10.06
Width*	Approx. m	2.98	2.98
Height*		3.95	3.95
Platform height	Approx. m	1.57	1.57
Track width	Approx. m	2.05	2.05
Gross drawbar tongue loads**	t	4	4
Gross axle loads***	t	20	20
Tyres			
800/45 R 26.5 TL 174 D		Standard	Standard
800/45 R 26.5 TL 174 D Trac		Optional	Optional
710/50 R 30.5 TL 173 D****		Optional	Optional
800/45 R 30.5 TL 176 D****		Optional	Optional
Filling / unloading rate	approx. minutes	6-9/2	6-9/3
Ground clearance*****	Approx. m	0.75	0.75

* depending on specification

** bottom-hitch and ball head 80 hitch system

*** tandem axle

**** capacity varies depending on specification

*****with hydraulic pivoting drawbar

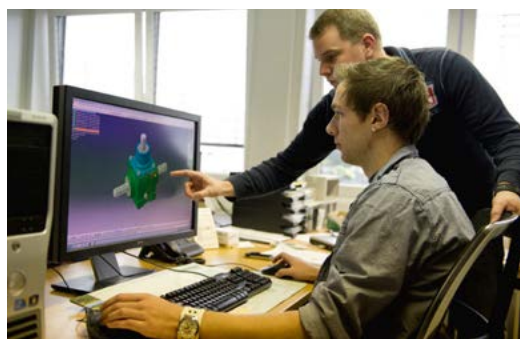


	RX 400 GL	RX 400 GD	RX 430 GL
	40	40	43
	2.01	2.01	2.01
	74/37	74/37	74/37
	-	2/3	-
	125/170	125/170	125/170
	10.06	10.06	10.06
	2.98	2.98	2.98
	3.95	3.95	3.95
	1.57	1.57	1.57
	2.05	2.05	2.05
	4	4	4
	20	20	20
	Standard	Standard	Standard
	Optional	Optional	Optional
	Optional	Optional	Optional
	Optional	Optional	Optional
	6-9/2	6-9/3	6-9/2
	0.75	0.75	0.75

All specifications, weights and dimensions do not necessarily comply with standard specifications and are therefore not binding. Specifications are subject to change without notice.

Maschinenfabrik Bernard KRONE

Perfect in every detail



Innovative, proficient and close to our customers – these are the keywords that mark the philosophy of our family-owned company. As a forage specialist, KRONE manufactures disc mowers, tedders, rakes, forage wagons and silage trailers, round and square balers as well as the high-capacity and self-propelled BiG M mower conditioners and our BiG X forage harvesters. Quality made in Spelle – since 1906.

Your KRONE dealer



Maschinenfabrik Bernard KRONE GmbH & Co. KG

Heinrich-Krone-Straße 10
D-48480 Spelle

Phone: +49 (0) 5977 935-0
Fax: +49 (0) 5977 935-339

info.ldm@krone.de | www.krone.de