

# RX

Self-loading and harvester-  
filled forage wagons







## **i** RX

### Self-loading and harvester-filled forage wagons

- One machine – two ways of filling
- Exceptionally wide pick-up and feed rotor
- Standard 46-blade cutting system
- Pivoting headboard for boosted capacity
- Rugged steel floor

RX is KRONE's latest generation of forage wagons. Offering capacities between 36 and 43 m<sup>3</sup> (DIN 11741), these wagons are not only self-loading but can control the unloading rate and serve as silage trailers in support of the forage harvester. This versatility is paired with an outstanding reliability and efficiency, making the RX a particularly productive machine.

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## Dual-purpose models RX 360 GL and GD

- Self-loading and forager-filled (dual purpose)
- All-steel structure, 36 m<sup>3</sup> volume (to DIN 11741)
- Headboard hatch
- Cut-and-feed rotor with 46 blades
- Optional discharge rollers

The sturdy 36 m<sup>3</sup> steel structure (DIN 11741), the headboard with hydraulic hatch and the massive running gear with tandem axles and steered rear axle make the RX 360 a full-fledged dual-purpose wagon, which can also be ordered with discharge rollers (GD).



### 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. Wave-bladed knives and wide steel plates on the rotor tines achieve an extraordinary quality of cut.



### The forager-filled RX 360 GL/GD

The sturdy steel structure and a high gross axle weight rating of 20 t make the RX 360 a dependable and economical silage trailer in the transportation 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 give the RX 360 outstanding agility for safe manoeuvring in fields and on public roads.



# Dual-purpose models

## RX 400 GL/GD and RX 430 GL

- Self-loading and forager-filled (dual purpose)
- 40 /43 m<sup>3</sup> capacity (to DIN 11741)
- Steel structure (GL) or steel structure with discharge rollers (GD)
- Pivoting hydraulic headboard
- Cut-and-feed rotor with 46 blades

The two top models in the RX range benefit from the well-proven design features and innovative technology of the ZX models.



### RX picking up forage from the ground

The extra wide pick-up fills the load area quickly and uniformly, feeding it through a wide and short feed chamber and making optimal use of the available space which can be increased even further by a pivoting headboard. The rotor cutter arranges its blades and feed tines at minimal spacings to achieve maximum cutting quality (scissor-like cuts).



### RX filled by the forage harvester

Offering volumes of 40 or 43 m<sup>3</sup>, 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 in support of the forage harvester. Filled either by its pick-up or the SP forager, the RX wagon is a dual-purpose and 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 comes as standard
- 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 wagon is the machine of choice that excels in any application and condition.



## Tractor attachment

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



## Drawbar

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





### Tandem axle

The rear and front axles in the tandem assembly are levelled hydraulically to ensure a uniform weight distribution at any time as well as an optimum ride and stability in undulating terrain. A range of tyre options is available to suit all harvest conditions.

Sloping mudguards prevent crop from collecting.

### Steered rear axle

A mechanical forced steering system is available as an option for the rear axle. The tie rod makes headland turns easier, protects the sward and reduces tyre wear. The rod, which is adjusted and controlled via pressure gauges, is convenient and quick to remove. An electronic forced steering system is also available as an option, which allows operators to intervene in the steering, for example in sloping fields or on the clamp, in order to avoid drifting.



## 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 is exceptionally dependable in performance.



### Pick-up

The EasyFlow pick-up offers a 2,015 mm work width (DIN 11220) for highest work rates, easy gathering of wide swaths and a highly consistent crop feed to the rotor. The generous width also helps to avoid very tight turns. Pivoting and spring-loaded, the pick-up provides perfect ground contouring.

### Camless and good

KRONE had good reasons for opting against cam track controlled tines. Instead of using many moving parts that are prone to wear, we rely on special strippers that maintain the correct tine angle and length.



### Double tines

The 6.5 mm diameter tines with large coils are particularly hard-wearing. Arranged in six W-shaped and patented lines, there is always an equal number of tines in work at full width, avoiding peak loads and providing an exceptionally uniform crop flow even in heavy material and on slopes.



#### **Crop press roller**

The crop press roller supports the work of the pick-up by pressing down the swath in preparation for gathering. It is easily adjusted to current crop, swath volume and ground speed.



#### **Guide wheels**

The EasyFlow pick-up is guided by two wheels. These castoring guide wheels adjust without tools to alter the pick-up height and pivot flexibly, thereby ensuring effective tracking in turns without scuffing.



# Cut-and-feed rotor

- 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 cut-and-feed rotor on the RX forage wagons offers many advantages. Though powerful and low-maintenance, the rotor operates very smoothly, feeding the crop gently and consistently into the machine. The blades give exact cuts, stay sharp for a long period of time and are easy to change when due.



## Rotor

The KRONE cut-and-feed rotor creates a consistent flow of large volumes into the machine and exact cuts. The 88 cm diameter rotor provides a work 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 exact scissor-like cuts and filling the machine fast and evenly.

## Rotor drive

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

## Blades

The knives have long, curved blades, 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.





#### **Blade cassette**

To change blades or remove potential blockages, the operator lowers the blade cassette hydraulically and conveniently from the tractor seat.



#### **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, the incoming crop is not cut.



#### **Individual blade protection system**

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 returns automatically to its working position.





# Automatic SpeedSharp blade sharpener

- Sharpens the blades conveniently and fast within minutes
- Sharpens 23 blades simultaneously
- Sharpens all blades consistently
- No sparks flying under the machine

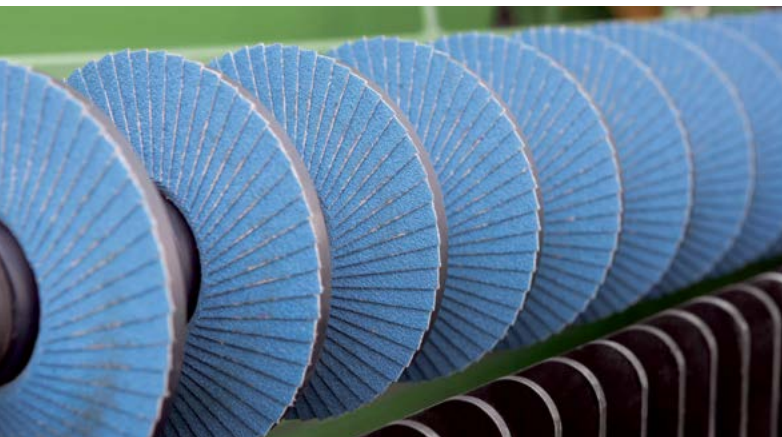
1. Only sharp blades give accurate cuts at a low input power.
2. The easier and less time-consuming it is to grind the blades, the sooner the job is done. That's a well-known fact which KRONE took seriously, developing a blade sharpener that forms an integral part of the cutting system. This SpeedSharp system eliminates the need for removing and replacing the blades and sharpens them on the machine and on site - quickly, easily and to a high quality.



**Replacing blades on machines without SpeedSharp**  
To replace dull blades, lower the blade cassette hydraulically and release all blades by operating only one control. Then swing the cassette out and alongside the machine for convenient removal and replacement of the blades.



**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 removing them from the cassette. Then the rotor slides automatically to the side to repeat the procedure on the remaining 23 blades.



### **Flap discs**

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



### **Uniform sharpness**

Each grinding disc is pressed onto the blade by its individual bevel spring, giving a high-quality and consistent grind to all blades whilst removing only a minimum of material.



# Load area

- Steel structure and steel floor
- Standard interior LED light bars
- Double chain-and-slat floor slopes at front
- Choice of headboards: pivoting or top hatch
- With or without discharge rollers

The RX dual-purpose 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. The wagon can be filled either by the pick-up or by a forage harvester. Unloading, the heavy-duty chain-and-slat floor feeds even heavy forage swiftly and consistently to the rear. Four LED light bars illuminate the load area at night.



A



B



## 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 (position A) to maximize the capacity and cut out any losses. By comparison, when the machine is gathering material through the pick-up, its headboard is nearly vertical (position B). Once the load area is filled, the headboard pivots towards the tractor to expand the capacity by 4 m<sup>3</sup>. To speed up unloading, it can pivot back and forth to support the work of the floor chain.

## Headboard hatch

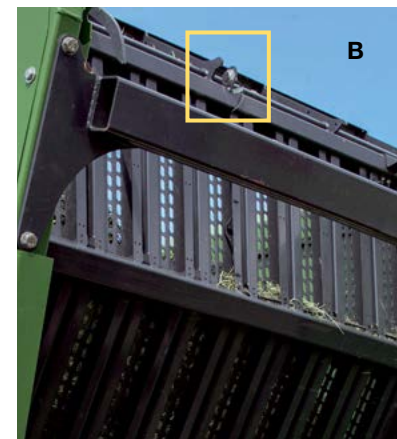
The RX 360 has a straight vertical headboard. When the machine is following the forage harvester, the tractor operator can operate the top hatch to open forward for smooth filling without losses from the forager spout. The same hatch opens backwards when the machine is gathering crop with the pick-up.



## Crop covers

The optional crop covers are folded hydraulically into transport position. Tightened on sturdy frames, the flexible texture covers the content effectively and keeps it safely contained during long-distance travel at speed.





### 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, clearing out even very heavy material fast and effectively. The chain-and-slat floor slopes at its front end, reducing the passageway into the machine and the strain on the crop as well as input power whilst boosting the intake rate.

### PowerLoad and auto fast mode

The machine can be specified with optional sensors that enable and control the chain-and-slat floor. To ensure the crop is not mashed, PowerLoad measures the pressure exerted by the material on the headboard (A) while another sensor at the top of the headboard scans the current angle of the hatch when the filling level is high (B). The chain-and-slat floor is started automatically as soon as a preset pressure is exceeded. The automatic fast mode allows operators to increase the chain's advancing speed to boost the unloading rate.



### Discharge rollers (GD version)

The discharge rollers unload the material in very consistent layers. Available in sets of two or three, the bottom rotor always spins at a higher speed. All rotors have their tines arranged in a V. The assembly is efficiently driven by the clutch-protected tractor driveshaft.

# On-board electronic system and operator terminals

- Convenient, practical and easy to use
- User friendly interface
- ISOBUS compatible

The KRONE Comfort electronic system makes operating fun. The system can be operated from two different terminals, which makes the RX easier to operate.



## Delta InCab terminal

The Delta InCab terminal has a 5.5" touch screen, a touch pad with 12 function keys and one dial. It allows operators to control all loading and unloading functions, as well as collecting and storing machine data and offering diagnostic functions. For added operator comfort, it also has inputs for an optional joystick (WTK) and a CCTV camera.



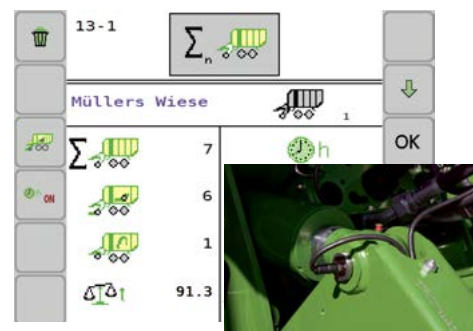
## CCI 200 InCab terminal

The CCI 200 InCab is the terminal for ISOBUS-compatible machines and expands the Delta InCab functionality by an extended yield metering feature and further app based options.



## Existing third-party terminal

If the tractor has an ISOBUS compatible terminal, you can use this to control the electronic system on RX directly and there is no need for a KRONE terminal.



## 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

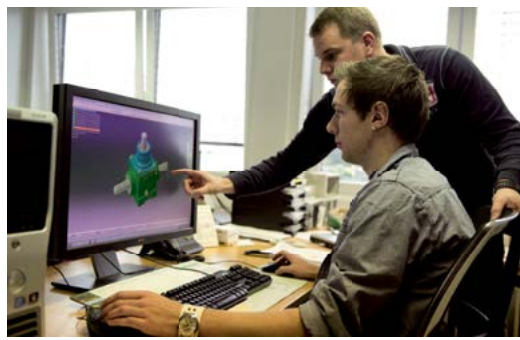
- 36 m<sup>3</sup>, 40 m<sup>3</sup> or 43 m<sup>3</sup> capacities
- Complete with blade cassette
- With or without discharge rollers
- 24 t gross weight rating



		RX 360 GL	RX 360 GD	RX 400 GL	RX 400 GD	RX 430 GL
Capacity (to DIN 11741)	approx. m <sup>3</sup>	36	36	40	40	43
Pick-up working width (to DIN 11220)	approx. m	2,015	2,015	2,015	2,015	2,015
Cutting system Cutting lengths with 23/46 blades	approx. mm	74/37	74/37	74/37	74/37	74/37
Discharge rollers Standard/Option	Number	-	2/3	-	2/3	-
Minimum tractor input	approx. kW/hp	92/125	92/125	99/135	99/135	105/145
Length		10,08	10,08	10,08	10,08	10,71
Width	approx. m	2,98	2,98	2,98	2,98	2,98
Height		3,99	3,99	3,99	3,99	3,99
Floor height	approx. m	1,54	1,54	1,54	1,54	1,54
Track width	approx. m	2,05	2,05	2,05	2,05	2,05
Drawbar tongue load (bottom-mount)	t	4	4	4	4	4
Axle load (tandem axle)	t	20	20	20	20	20
Tyre size						
800/45 R 26.5 TL 174 D		Serie	Serie	Serie	Serie	Serie
710/50 R 26.5 TL 170 D		Option	Option	Option	Option	Option
750/45 R 26.5 TL 170 D		Option	Option	Option	Option	Option
Filling / unloading rates	approx. min.	8-10/2-3	8-10/2-3	8-10/2-3	8-10/2-3	8-10/2-3
Ground clearance on hydraulic articulated drawbar	approx. m	0,75	0,75	0,75	0,75	0,75

# The Bernard Krone agricultural machinery factory

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, 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



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