



THE POWER OF GREEN

ActiveMow

Disc mowers





ActiveMow

KRONE disc mowers

- Side-mounted mowers offering huge up/down travel
- Coil springs optimising the ground pressure and adjusting without tools
- Pto-shaft driveline for frictional connections
- Robust and fully welded cutterbar without inner shoe



- Quick-change blades
- SafeCut: Individually protected discs
- SmartCut: Stripeless cuts thanks to optimum blade overlaps
- Compact in transport as the mower inclines to the middle of the tractor for optimum weight distribution and visibility



has evolved from extensive farmer experience around the world. Proven so well, these machines are designed to perform in heavy-duty applications while being easy to use.

The cutterbar	4
The SmartCut system	6
The quick-change blade system	10
The SafeCut disc impact damage protection system	14
Tractor attachment and drives	16
The coil spring suspension	18
The transport and park position	20
Technical data	23



The KRONE cutterbar

- Fully welded: Robust, sealed and permanently lubricated
- Long-lasting satellite drive with massive spur gears: quiet running and top efficiency
- No inner shoe for trouble-free cutting

Fully welded and permanently lubricated, the cutterbar shows no leaks and no deformations even after many years of service. Its massive and oil-immersed spur gears impress by very quiet and reliable running under constant peak loading.



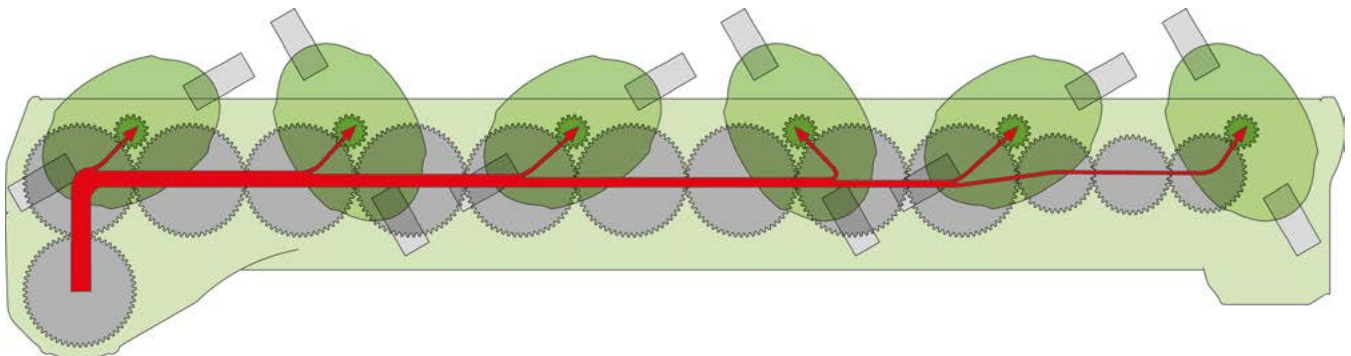
No inner shoe

The cutterbar is powered via a right-angle gearbox, which is arranged immediately behind the inner top hat for blockage-free operation on the headland and in awkwardly shaped fields.

The original

The established satellite drives are a KRONE development that has proven extremely well all over the world since it was introduced in 1989. Its massive spur gears with up to 59 teeth send the power all the way down to the very last disc. The large-diameter gears rotate at reduced speeds, with a higher

number of teeth meshing with the neighbouring gearwheels for even quieter running, ultimate efficiency and maximum longevity. The auxiliary gears drive one disc each and as a result are exposed to only minimum loading.





Leak-proof and robust

Using welding robots and CNC technology, Krone manufactures its cutterbars to the highest quality standards, ensuring they are fully welded and permanently lubricated. After all, the cutterbar is the heart of every disc mower.

Permanently lubricated

The completely welded cutterbar is maintenance free and won't leak nor lose shape even in so many years of work. We give it special cleanings throughout the manufacturing process so we can implement permanent lubrication and eliminate the need for oil changes.





KRONE SmartCut

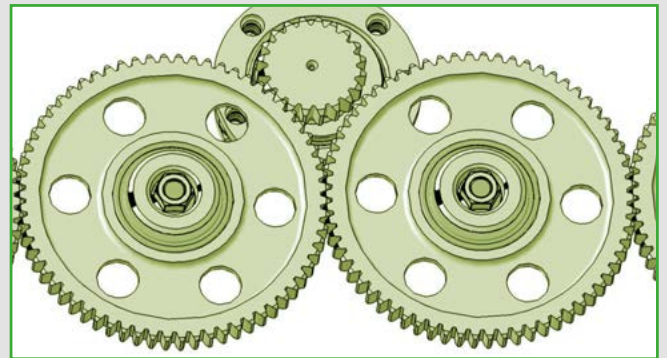
Stripeless cuts

- SmartCut for stripeless cuts
- The wedge-shaped cutterbar guarantees clean cuts
- Heavy-duty spur gears run in widely-spaced double bearings
- Swathing or spreading

The wedge-shaped cutterbar offers many different setting options for short cuts in meadows and pastures and higher cuts in long-stemmed forage crops. An ActiveMow mower delivers reliable performance and clean cuts.

Powerfully interlocked

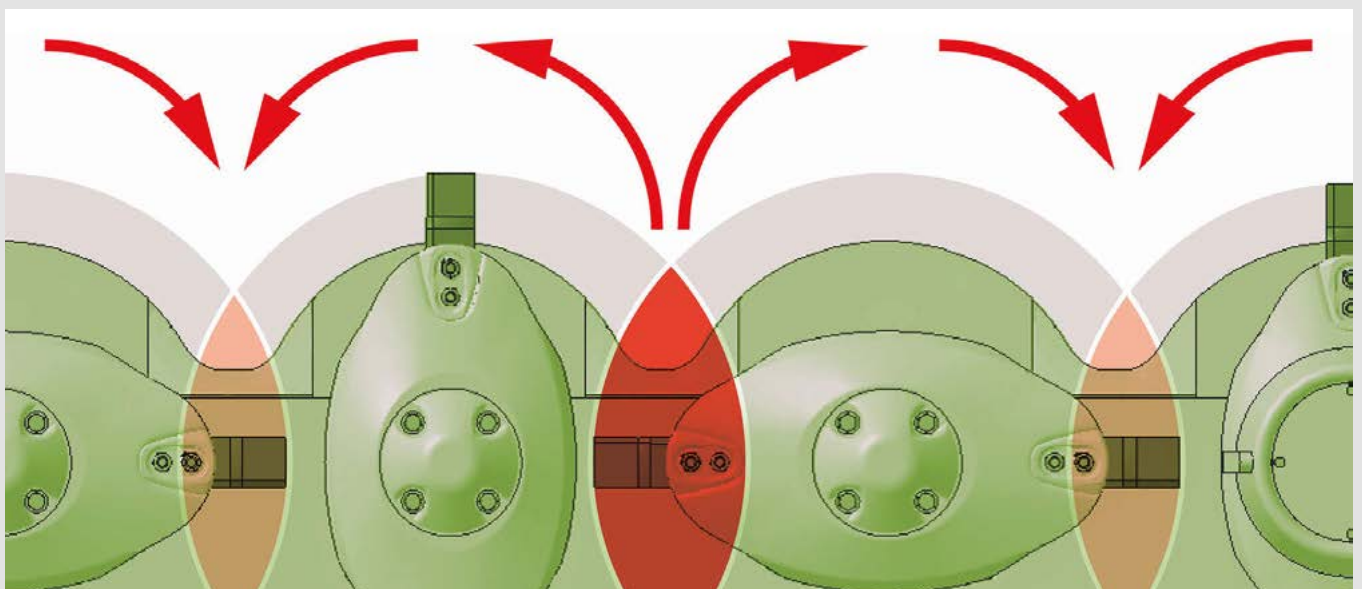
Large-diameter spur gears with truncated teeth offer greater efficiency as a larger number of teeth is in mesh at any one time.

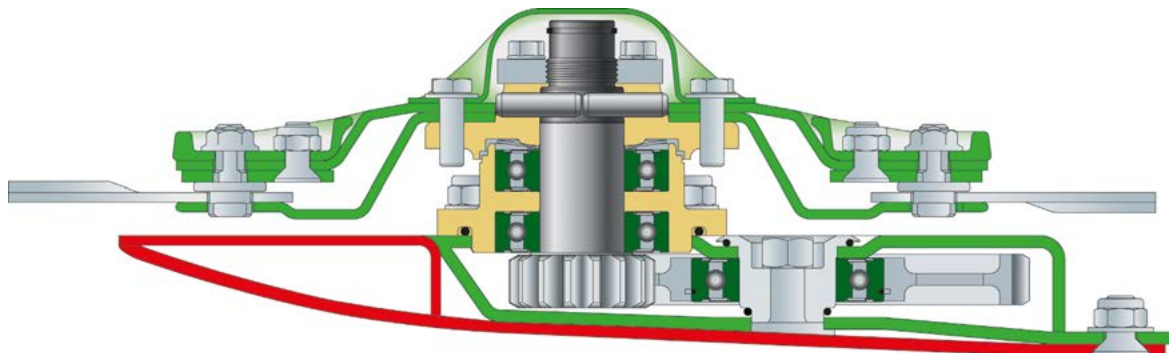


SmartCut

With some discs turning in pairs towards each other and others turning away from each other, it was necessary to re-design the degree of blade overlap to ensure cleanest cuts. For stripeless cuts in light and young crops, we have there-

fore increased blade overlaps on the discs turning outwards. In addition, the blades turning to the rear are set further apart to encourage a smooth flow of large volumes of crop.





Heavy-duty and flexible

The wedge-shaped cutterbar offers many height setting options.
 The spur gears run in massive double bearings, allowing the cutterbar to handle extremely high loads.



Convenient

The spur gears are arranged in a forward position and eccentrically inside the gearbox right under the discs. The small auxiliary spur gears are removed from above, the massive main gears gearbox from the side.



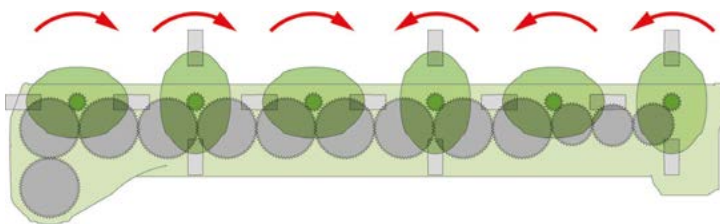
Added protection

We welded curved stops between the individual skids that protect the cutterbar from damage and also contoured the underside of the stops in such a way that no material can build up here and instead flows smoothly to the rear.



KRONE SmartCut

Swathing or spreading



Single and double-swath presentation

The eccentric bearings are positioned in such a way that the discs feed the material to the middle of the machine for the tractor to straddle it. With discs spinning in the A sense of rotation, ActiveMow R 200, R 240, R 280 and R 320 form one single swath whereas the ActiveMow R 360 forms two swaths with its discs also spinning in the A sense of rotation.



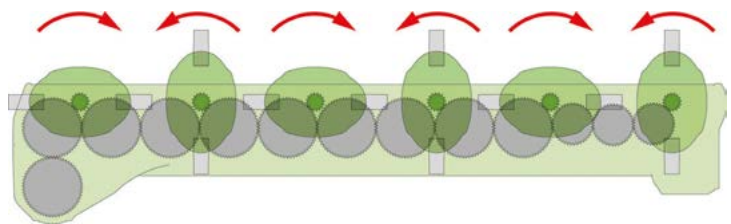
The advantages of swathing

Swathing is the preferred option in wet and boggy terrain so the tractor wheels will not run on the crop for loss-free pick-up or tedding.



Wide spreading

With discs spinning in the B sense of rotation, ActiveMow spreads the material across the full cutting width. Here the discs turn in pairs towards each other.



The advantages of not swathing

Spreading the material across the full machine width instead of swathing, it exposes a larger surface to the sun and wind for boosted and more uniform wilting.





The KRONE quick-change blade system

- Fast blade changes for high productivity
- Replaceable pins and wear parts
- Wide skids protecting the cutterbar

There are many reasons for choosing an ActiveMow disc mower. Just think of the quick-change blades, the inexpensive wear parts and the perfect disc arrangement for stripeless cuts.



Changing blades in an instant

Quick-change blades are considered a must by many farmers and contractors. The blades are quick and easy to reverse or replace in situ.

Great accessibility

The curtain folds up for cleaning and replacing the blades – a compact design that offers superb accessibility.

Handy box

Spare blades are neatly stored in this drawer.

Gentle on the sward

The wide skids are fabricated from hardened boron steel to minimise the ground pressure and give enhanced contour following and cutterbar protection. The skids are bolted to the cutterbar so they are easy to replace.





Clean cuts

Blades of 118 mm length orbit with a generous overlap, producing the typically clean cuts and feeding the material to the rear in a consistent flow.



Cost saver

Worn blade fixing pins and wear parts are not an issue for KRONE ActiveMow, because the modular design of the discs allows you to replace them individually. If you like, you can opt for bolts instead of pins.



KRONE ActiveMow





 **KRONE**



The KRONE **SafeCut-System**

- Full driveline protection
- Neighbouring discs will not collide
- Wear-free
- Quick-change roll pins for minimum costs

As everybody knows, colliding discs may cause damage and involve costly repairs. KRONE SafeCut offers a maximum of protection and peace of mind. The system which comes as standard specification offers a unique level of disc protection and functionality.



Two-fold protection

Orbiting within the sphere of the mower bed and never protruding beyond the skids, the discs benefit from two-fold protection. Additional protection comes from the standard SafeCut cutterbar protection system.



An ideal system

There is no load on the roll pins during operation. The bearing is tensioned by a nut and two clamping screws. As a result, the roll pins do not suffer from material fatigue and even after many hours of operation they will break only at their inbuilt load level.



Simply ingenious

Each disc on the mower has its own individual impact protection. When the blade hits an obstacle the shockload is transferred to a roll pin which breaks. As a result, the disc automatically threads 15 mm up on the drive shaft.



No working loose

If the system is suddenly overloaded, the impact is not directed to the spur gears in the driveline, instead a roll pin in the sprocket drive shaft shears off. The pinion shaft continues spinning, jacking up the disc in question, moving it out of

the risk zone and the orbit of the neighbouring discs where it cannot get lost. As a result, SafeCut prevents damage to the spur gears and the neighbouring discs. Replacing the roll pin takes a few minutes and is not very costly.





Tractor attachment and drives

- Tractor attachment with three-point headstock
- Large travel range for superior performance in mountainous terrain
- Direct and frictional driveline ensures no power is lost
- Working a full width by refitting pin on the link arms

The side-mounted linkage is compact, low in weight and gives the mower large up/down travel. The ActiveMow mowers follow any ground contours and have proven absolutely well in mountain applications.



No working loose

The break-back system relies on an adjustable coil spring, which responds instantly and dependably and allows the mower to swing back and up when impacting a foreign object.

Top performance on slopes

Offering a large up/down travel range, the ActiveMow disc mowers are perfect for work on slopes and in undulating and rough terrain.



High-strength

The sturdy three-point headstock features a bracket to store the drive-shaft after the machine is removed from the tractor.



Full work width

You can side-shift the machine by refitting the pins on the link arms. This way you get the full cutting width despite different wheelbases when working on slopes and in combination with a front mower.





Constant-velocity and high-power driveline

Drive power flows through a frictional driveline of pto shafts and gears for maximum efficiency even in difficult conditions.

Convenient for operators

The oil lines are tidily stored in a holder when the machine is not in use. The hose couplers have handles for easy attachment and removal.

No working loose

The pin that secures cat I and II top links is locked to stop it turning.





The KRONE cutter suspension system

- Coil springs provide the cutterbar suspension, optimise the ground pressure and ensure uniform cuts
- The springs are conveniently adjusted by resetting pins
- Extremely responsive for top contouring

Manually adjusted, the ActiveMow suspension springs rapidly adapt the ground pressure for the machine to produce perfect cuts in undulating terrain and at high work rates.

This is the first step towards clean and high-quality forage and a requirement for a fast and uniform re-growth.



Reducing and increasing the ground pressure

The ground pressure of the cutterbar is controlled by adjusting the tension of the coil springs. The ActiveMow R 240, R 280, R 320 and R 360 models have pins that reset the spring tension without the use of tools. The ground pressure drops as the spring tension increases.

One suspension spring

The low-deadweight ActiveMow R 200 has only one coil spring that provides infinitely variable adjustment.



Two suspension springs

The ActiveMow R 240 has two coil springs that are adjusted without tools. The inboard spring is adjusted on a spindle, the outboard spring by refitting a pin.





Three suspension springs

The ActiveMow R 280, R 320 and R 360 models have three adjustable coil springs – one that adjusts the inboard arm and two that control the outboard arm.



Releasing spring tension for easy storage

For convenient attachment/removal of the machine, release the spring tension simply by operating the latch on each spring. Such latches are specified on the ActiveMow R 240, R 280, R 320 and R 360 models where they eliminate the need for unhooking the coils.





The **transport** and **storage position**

- 100° transport position for safe travel on public roads and clear view behind
- Compact configuration for fast travel
- Stored on stands and in vertical position for minimum storage space
- Lower links are not raised during the headland turn

KRONE disc mowers offer a wide range of practical solutions that make your work easier and more efficient. These include the 100° transport position for a uniform weight distribution and excellent visibility during transport and the optional vertical position for storage.



Operator comfort on the headland

On the headland, the mower is raised hydraulically to enable convenient turns and avoid running on cut material. The link arms are not raised. A stop limits the lift range.

Minimum space

Stands are available as an option to store the machine either in work or transport position, and save space in the machine shed during winter storage. The top guard folds automatically when ActiveMow moves into transport or park position, thereby reducing the machine's height as shown in the photo on the right.





Safe transport

To get ready for transport, ActiveMow folds into a 100° angle position behind the tractor. Taking weight off the right wheel, it increases the road stability of the combination. The operator enjoys an unobstructed rear view in the mirror.

Single-acting

It takes as little as one single-acting coupler to move the ActiveMow into work or transport position. The tap that controls the parking position is in easy reach right next to the hydraulic cylinder.

A compact combination

Unlike a mower that swings horizontally behind the tractor, ActiveMow swings up, thereby taking less load off the front axle and increasing stability during fast road travel and work in rough fields.





Technical data

ActiveMow disc mowers

		ActiveMow R 200	ActiveMow R 240	ActiveMow R 280	ActiveMow R 320	ActiveMow R 360
Work width	m	2.05 (6'9")	2.44 (8'0.1")	2.83 (9'3")	3.22 (10'7")	3.61 (11'10")
No. of discs		3	4	5	6	7
No. of top hats		2	2	2	2	2
SafeCut		Standard	Standard	Standard	Standard	Standard
Quick-change blades		Standard	Standard	Standard	Standard	Standard
Power requirement kW/hp		27/37	30/41	40/55	50/68	55/75
pto speed	rpm	540	540	540	540	540
Dead weight	kg (lbs)	490 (1080)	550 (1212)	605 (1333)	650 (1432)	740 (1631)
Three-point linkage cat.		I + II	I + II	I + II	I + II	I + II
Hydraulic spools		1 sa	1 sa	1 sa	1 sa	1 sa
Area output	ha/h	2	2-2.5	2.5-3	3-3.5	3.5-4

All specifications, weights and dimensions do not necessarily comply with standard specifications and are therefore not binding. All product specifications are subject to change.



Making higher cuts

High-cutting skids are the solution for those who want 80 mm (3.1") and longer stubble. Depending on how you bolt the skids to the cutterbar, you can increase the cutting height by 30 mm or 50 mm (1.2" or 2").



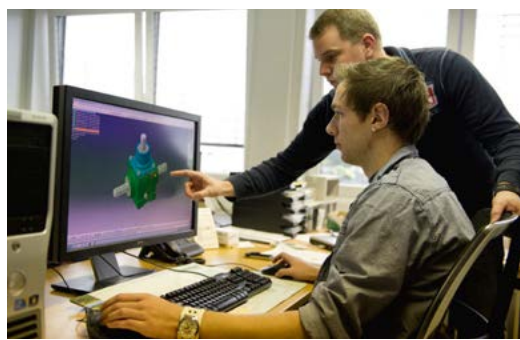
Optional swath deflectors on either side

These deflectors are fitted to create narrower swaths. They avoid tractor wheels running on the cut material and are ideal in boggy terrain.



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