

ActiveMow

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DISC MOWERS



ActiveMow

KRONE disc mowers



Robust and fully welded cutterbar
without inner shoe

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SmartCut:
Stripeless swath thanks to
optimum blade overlaps

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Quick-change blades
Standard

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SafeCut
Impact protection for each individual disc

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Side-mounted mowers
offering huge up/down travel

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Frictional drive
via universal shafts and
gearboxes

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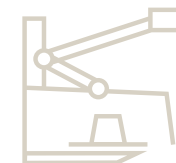
Compact in transport
as the mower unit
inclines to the middle of
the tractor for optimum
weight distribution and
visibility

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Optimum ground pressure
via tension springs adjustable
without tools

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Mowing like a professional – the KRONE ActiveMow makes it possible at last. Perfect cutting quality ensures premium-quality forage, easy handling combined with compact and robust design guarantee maximum comfort and a long service life. The KRONE ActiveMow mower is the guarantor for successful forage harvesting.

KRONE ActiveMow
– Flexible, robust and easy to pull

The KRONE cutterbar

Maximum power with minimum wear

Durable and precise

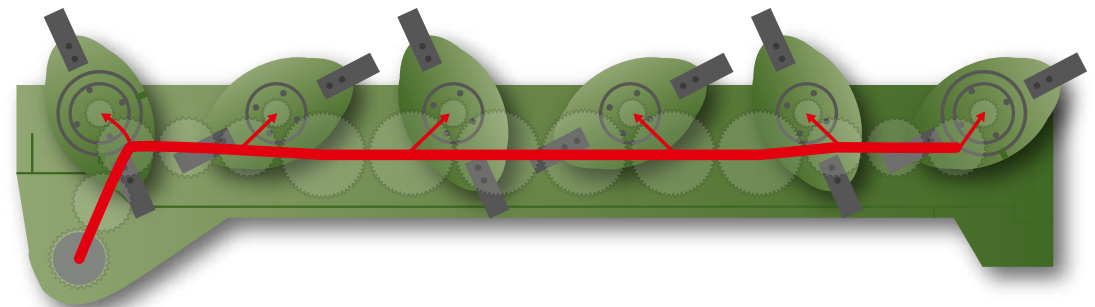
- **Fully welded cutterbar**
Robust, sealed and permanently lubricated
- **Durable satellite drive with large spur wheels**
Very quiet running and optimum power transmission
- **Without inner shoe**
for trouble-free mowing

The enclosed and fully welded cutterbar meets the highest quality standards and operates dependably and leak-free over many years of hard work. Massive and oil-immersed spur gears impress by very quiet and reliable running in sustained peak-load operation.



No inner shoe

The cutterbar is driven by the right-angle gearbox just behind the inner top hat – for blockage-free operation on headlands and in awkward patches.



The original

The satellite drive in the cutterbar – developed by KRONE and successfully used worldwide for decades: Large spur wheels with up to 59 teeth transmit the main drive forces to the end of the cutterbar. 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

As the central element of every disc mower, the cutterbar is a particular focus at KRONE: Welded all round and lubricated for life, it is manufactured using the latest welding robot and CNC technology – for maximum precision, maximum durability and the highest quality standards.

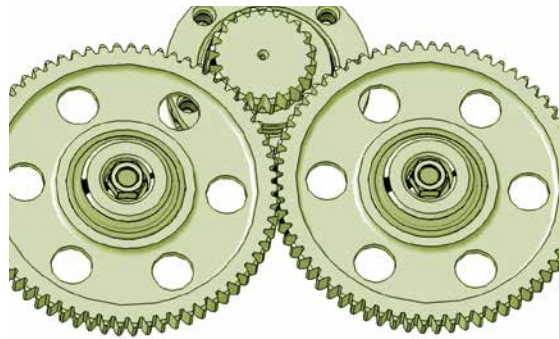


Permanently lubricated

The all-round welded, enclosed cutterbar is maintenance-free and remains reliably sealed and dimensionally stable even after many years of use. Special cleaning processes during production enable lubrication for life and make the usual oil change superfluous.

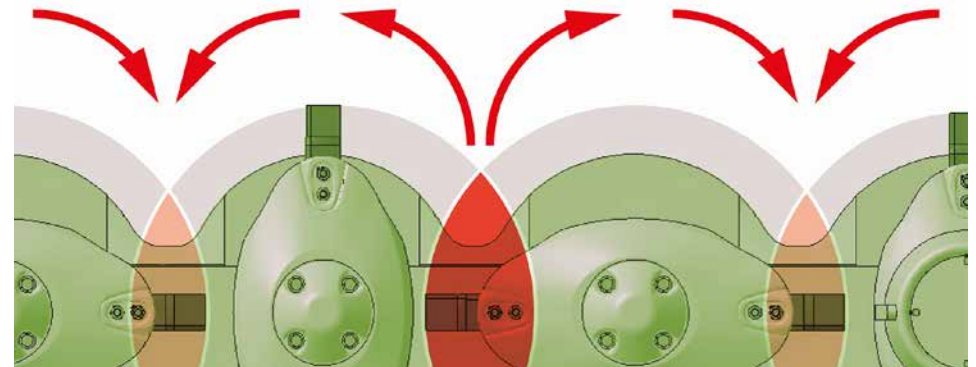
KRONE SmartCut

Clean mowing



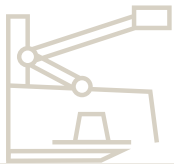
Powerfully interlocked

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 redesign the degree of blade overlap to ensure cleanest cuts. For stripeless cuts in light and young crops, we have therefore 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.

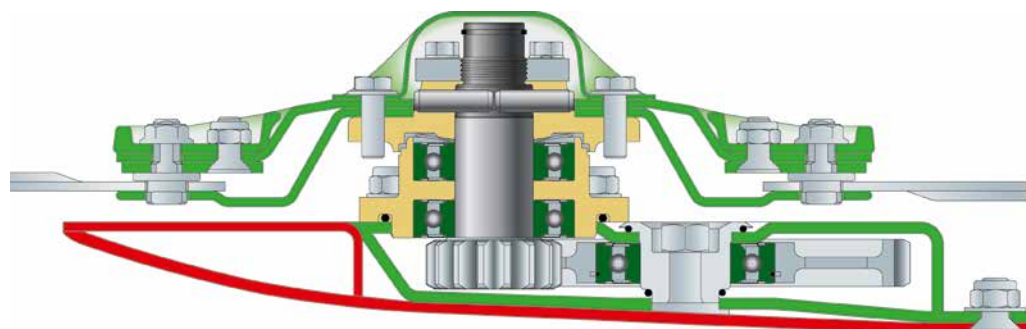




KRONE SmartCut

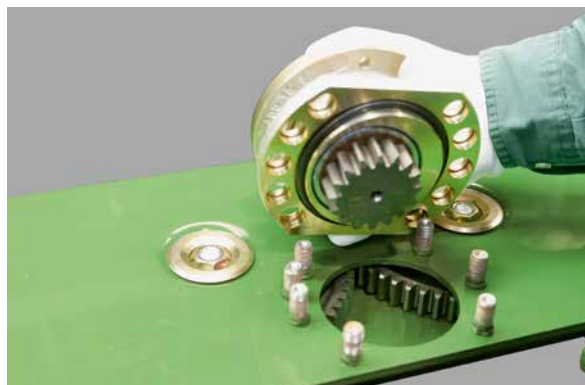
- **SmartCut**
for stripeless swathing
- **Wedge-shaped cutterbar**
guarantees clean cuts
- **Heavy-duty spur gears**
running in double bearings and widely spaced
- **Swathing or wide spreading**

The wedge-shaped cutterbar offers many different setting options that allow you to make exact cuts in meadows and pastures and higher cuts in long-stemmed field crops. An Active-Mow mower delivers a reliable performance and clean cut.



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.

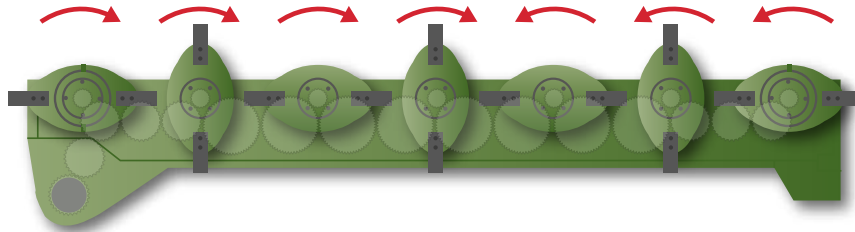


Added protection

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 wide spreading



Single and double-swath presentation

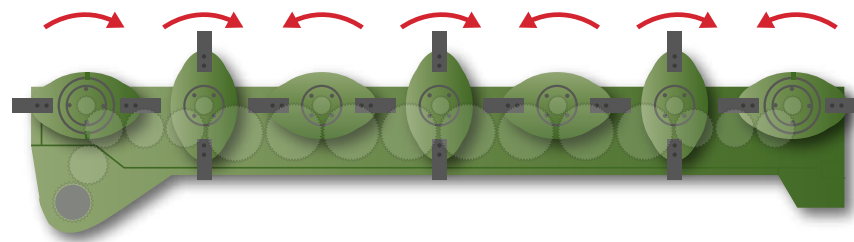
The eccentric bearings are positioned in such a way that the discs feed the material to the middle of the machine for the tractor to straddle it. With discs spinning in the A sense of rotation, ActiveMow R 200, R 240, R 280 and R 320 form one single swath whereas the ActiveMow R 360 forms two swaths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

Comfortable *and fast*



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 mobile 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.





Quick and easy

- **Quick-change blades**
for quick blade handling in the field
- **Modular design**
of cutting discs
- **Minimal blade wear**
360° swivel range of the blades
- **Excellent cut thanks to KRONE SmartCut**
Optimum overlap of the blade tracks

The quick-change blades, inexpensive wear parts and the perfect arrangement of the cutting discs for stripe-free swaths are just a few of the features which make ActiveMow disc mowers the obvious choice.



Minimum wear

The blades are free to spin 360-deg. on their pins. They are hard-wearing and self-cleaning, well protected and will not foul with the blades on the neighbouring discs.

Cost saver

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

Clean cuts

112 mm long blades in a set shape and the wide overlap of the blade tracks ensure a clean cut and uniform forage flow.

The KRONE SafeCut system

Risk-free mowing



Two-fold protection

The ActiveFlow cutting discs feature double protection. The cutting discs operate in the shielded area of the cutterbar and do not protrude beyond the sliding skids. 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 will break only at their inbuilt load level - even after many hours of use.



Scan for more information!
Simply scan the code to
see this feature in the video!





Focus on safety

- **Full driveline protection**
- **No collision**
with neighbouring cutting discs
- **Wear-free**
- **Quick-change roll pins**
for minimum costs

You know it too well – foreign objects can cause great damage and 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 cutting disc protection and functionality.



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 cutting disc in question, moving it out of the danger zone and the orbit of the neighbouring discs. As a result, SafeCut prevents damage to the spur gears and the neighbouring discs. The roll pins can be replaced in just a few minutes and cost next to nothing.

Attachment and drive

Only via universal shafts *and gearbox*



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.



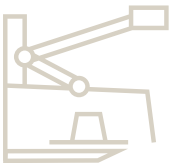
High-strength

The sturdy three-point headstock features a bracket to store the driveshaft 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.

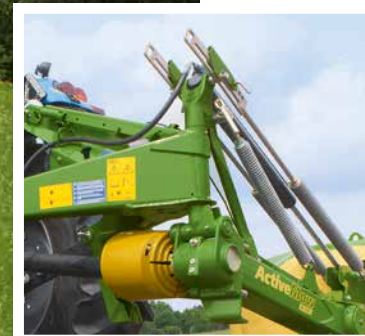




Tractor attachment and drives

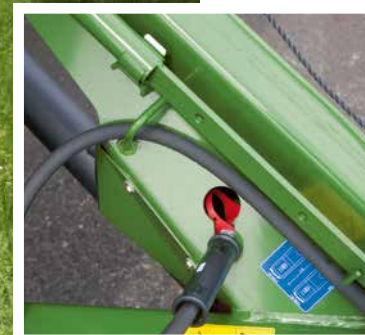
- **Tractor attachment with three-point headstock**
- **Large travel range**
for superior performance in mountainous terrain
- **Direct and frictional driveline**
ensures no power is lost
- **Working a full width**
by refitting the lower link pinions

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.



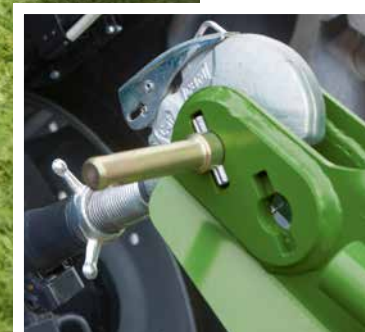
Constant-velocity and high-power driveline

Drive power flows through a frictional direct drive of universal 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 secures cat I and II top links and is locked to stop it turning.

The KRONE mower relief

Extremely responsive mechanical relief by means of springs



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.



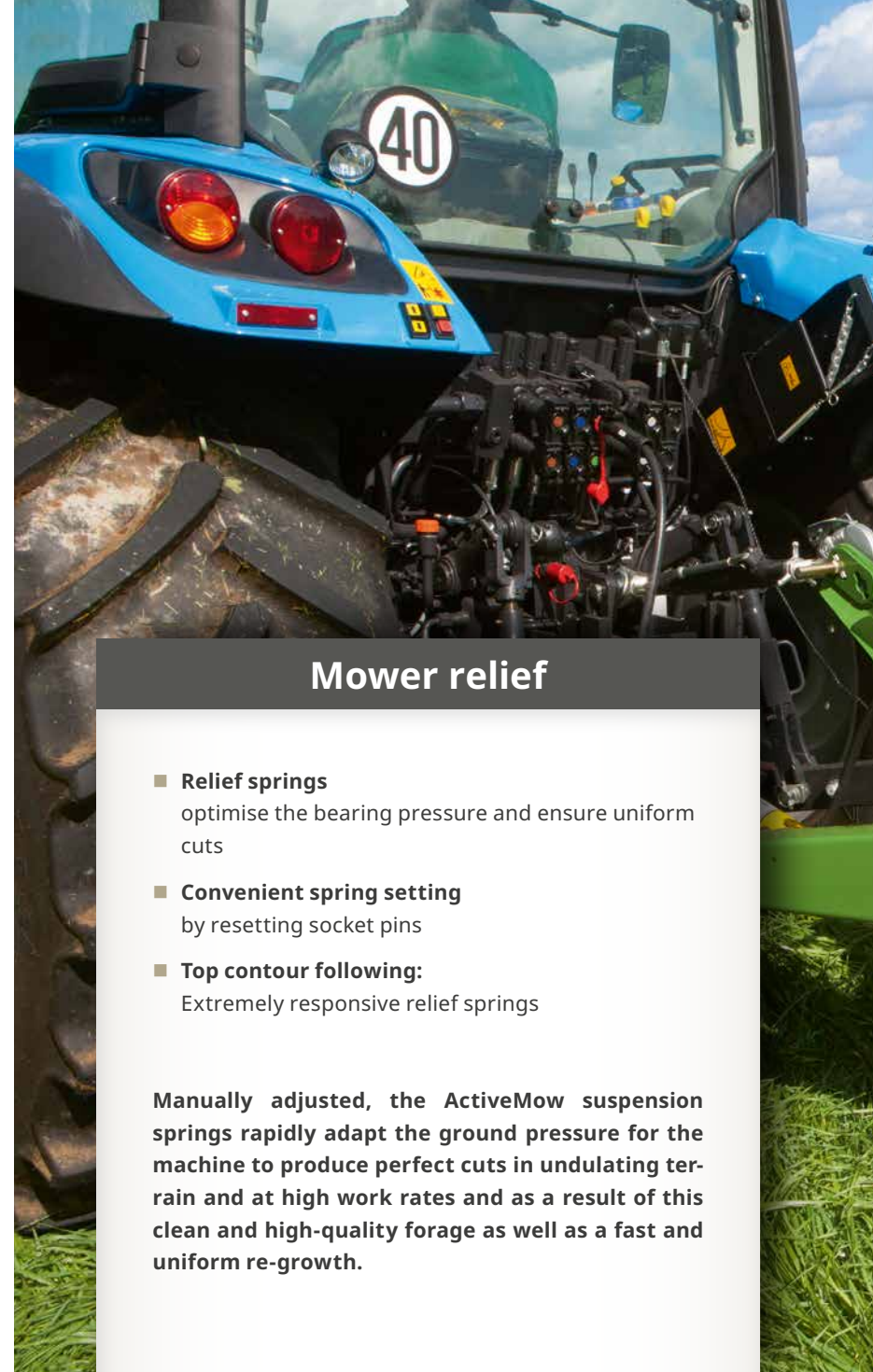
One suspension spring

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.



Mower relief

- **Relief springs**
optimise the bearing pressure and ensure uniform cuts
- **Convenient spring setting**
by resetting socket pins
- **Top contour following:**
Extremely responsive relief springs

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 and as a result of this clean and high-quality forage as well as a fast and uniform re-growth.



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.



Transport and parking position

Vertical flaps *for optimum transport characteristics*

Compact flaps

- **Safe transport on public roads**
with cutterbar folded up to 100° angle for clear view behind
- **Compact attachment**
for safe road travel and quick changeover
- **Stored on stands and in vertical position**
for minimum storage space
- **Fast lifting and lowering**
with one single-acting electronic control unit only

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 swaths. 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 side 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.

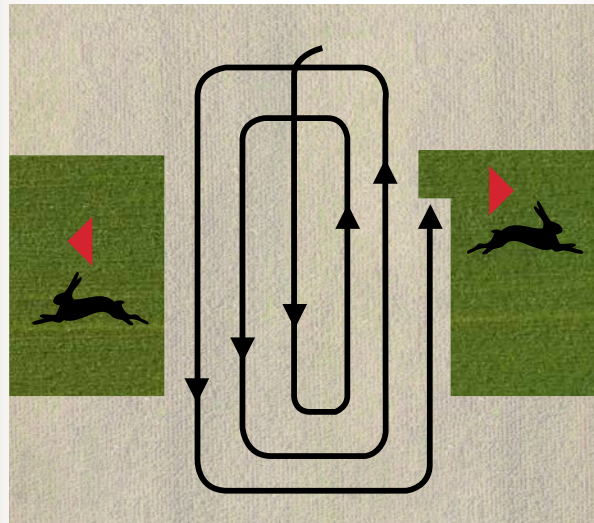
Wildlife protection

During the breeding season

Join in and let's take preventive measures!

There are many different approaches to protect local wildlife and reap a high-quality forage feed. The Hubertus audible alarm device is certainly a good initial step in scaring off animals but it can never replace the communication between farmers, contractors and hunters, because visual inspections of the fields are indispensable. Applying the proper mowing strategy is also of key importance.

Mowing strategy



My 'First Cut' check list

Hunters informed
on the cutting date ✓

Area searched for wildlife and nests ✓

Hubertus wildlife
warning system used ✓

Mowing strategy correctly chosen ✓
(mowed from the inside to the outside)



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")	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	490 (1080)	550 (1213)	605 (1334)	650 (1433)	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 (4,9)	2-2.5 (4,9-6,2)	2.5-3 (6,2-7,4)	3-3.5 (7,4-8,6)	3.5-4 (8,6-9,9)



Making higher cuts

High-cutting skids are the solution for those who want 80 mm 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,



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.







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