



EasyCut

Mounted disc mowers





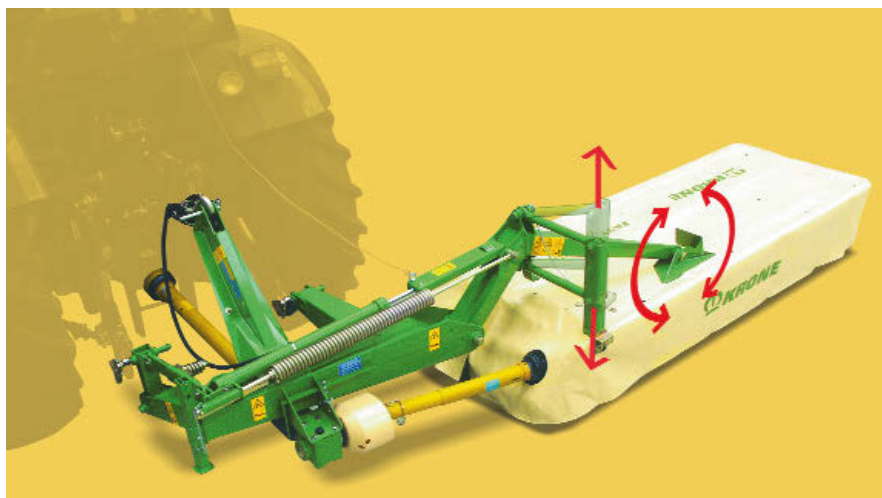
The EasyCut cutterbar

Design and functionality



EasyCut 28 CV front-mounted disc mower

The conditioner mower with a 2.71 m work width



The DuoGrip centre-of-gravity suspension

Cutting at uniform ground pressure across the full working width



EasyCut 400 rear-mounted mower

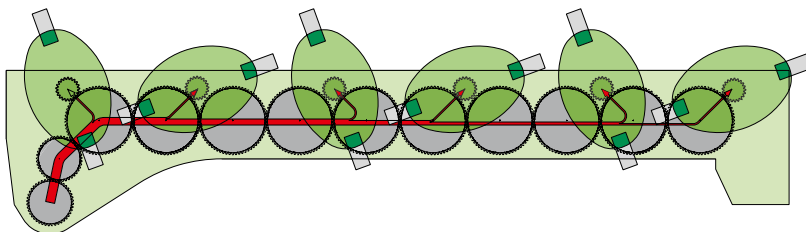
with a 4.00 m working width



EasyCut – uniquely KRONE

- The cutterbar is permanently lubricated, fully welded and absolutely leak-proof
- Wedge-shaped profile
Clean cutting
- Extra wide and hardened flotation skids
- No inner shoe
Blockage-free mowing
- Massive spur gears
Efficient driveline

The KRONE EasyCut disc mowers provide cleanest and most accurate cuts. The enclosed and fully welded cutterbar operates dependably and leak-free for many years of hard work. Massive and oil-immersed spur gears ensure quiet and reliable running in permanent and peak-load operation. All EasyCut mowers feature wide floatation skids, which protect both the cutterbar and the turf. All knives feature the standard quick-change system.

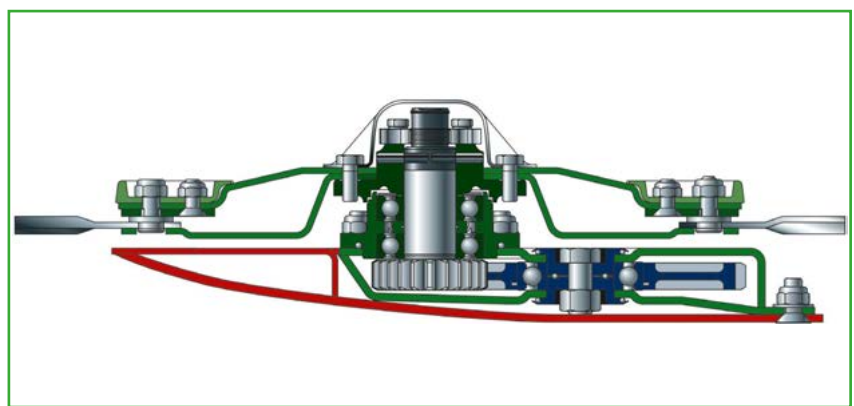


Perfect cuts: A driveline of massive spur gears with up to 66 teeth transfers the main drive power all the way down to the very last disc. The large-diameter gears rotate at reduced speeds, with a higher number of teeth meshing with the neighbouring gearwheels for even quieter running, ultimate efficiency and maximum longevity. The auxiliary gears drive one disc each and as a result are exposed to only minimum loading. The discs are arranged in a very forward position, which leads to substantial blade overlap.

Straightforward: The gears just beneath the discs are mounted excentrically in the housing. These are removed from above complete with their bearings whereas the large gears on the main drive system are removed from the side.



The wedge-shaped cutterbar gives EasyCut the edge for better cuts – short in pastures and slightly longer in long-stemmed field crops. The wedge-shaped design provides a greater choice of settings and more options to deal with difficult conditions. As another KRONE advantage, the massive spur gears run in double bearings, which in turn are spaced wide apart to withstand high and permanent loading. The hardened discs spin in a massive and thick-walled mower bed, which offers full protection from any damage – for complete peace of mind.



Rugged and absolutely leak-free: KRONE cutterbars are fully welded by advanced robot and CNC systems to meet the most exacting demands and quality standards. After all, the cutterbar is the heart of every disc mower.




No inner shoe: The cutterbar is powered via a right-angle gearbox, which is arranged immediately behind the inner top hat, a design that ensures blockage-free operation on the headland and in awkwardly shaped fields.



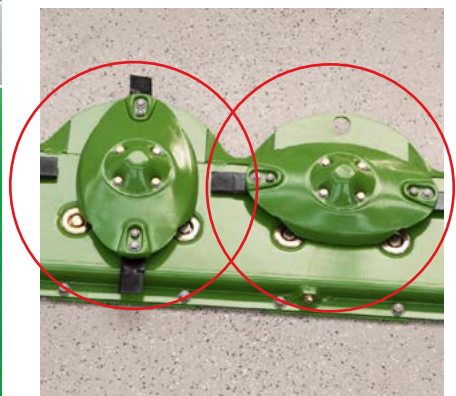
Uniform speeds: The direct drive system, which relies on driveshafts and gears, provides positive drive in heavy crop and at wide working widths. 1,000 rpm gearboxes are available as optional extras to suit a 1,000 rpm pto.



EasyCut – clean cuts, safe operation with SafeCut

- Standard quick-change blade system 
- The blade holders can be individually exchanged
- Full 360° knife spin
- SafeCut – separate shear-bolt protection for each EasyCut disc – all models with/without CV conditioner

The EasyCut mowers from KRONE meet the demands of farmers who seek perfect cuts and great reliability. The wedge-shape cutterbar, the satellite driveline, the quick-change blades and the SafeCut shear-off system are only some of the benefits that speak in favour of EasyCut disc mowers.



Worn knife pins and wear parts are not an issue for KRONE EasyCut, because they can be replaced in pairs. The pins may be substituted with threaded bolts upon request.

Floating over the turf, the bolted skids are extremely wide and are made from hardened steel. They give maximum turf protection. High-cutting skids are available to increase the cutting height by 30 mm (1.2") or 50 mm (2") depending on installation and cut longer than 80 mm (3") stubble.

Excellent cuts – 112 mm (4.4") knives mount on their individual discs in alternate arrangements, giving generous overlap. Impact stops are welded between the skids to protect the cutterbar from damage and deliver an excellent cut.



SafeCut: This refers to the unique design that protects the mower discs against foreign objects, providing maximum protection upon impact. It does not transfer the full shockload to the spur gears. Instead, the roll pin in the sprocket driveshaft breaks when there is a momentary overload. The pinion shaft continues spinning, jacking up the disc in question and moving it out of the risk zone and the orbit of the neighbouring discs. SafeCut protects the spur gears and discs from damage.



Unlimited spinning: The knives are free to spin through 360°. They are hard-wearing and self-cleaning, well protected and will not foul with the knives on the neighbouring discs.

An ideal system that ensures 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 built in load level.

The moment of impact: The roll pin shears off. This cuts the driveline and stops the disc, which jacks 15 mm (0.6") up a thread. This eliminates any risk of colliding and damaging the neighboring disc.



EasyCut 28 CV, 32 CV, 32 CV Float, 32 CRI

Front-mounted mowers with CV steel-tine conditioner or CRI roller conditioner

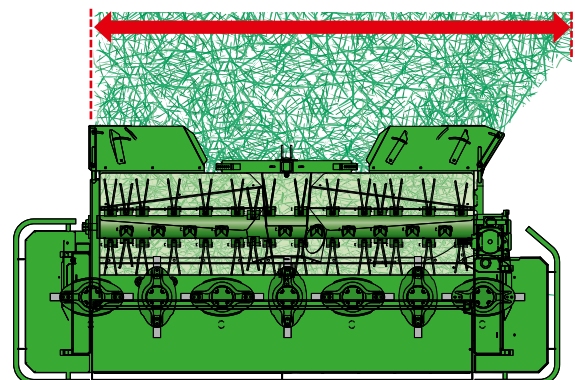
- Positive shaft/gear driveline
- CV conditioner with pivoting V-type steel tines
- Optional wide-spreading deflector plates on the CV conditioner



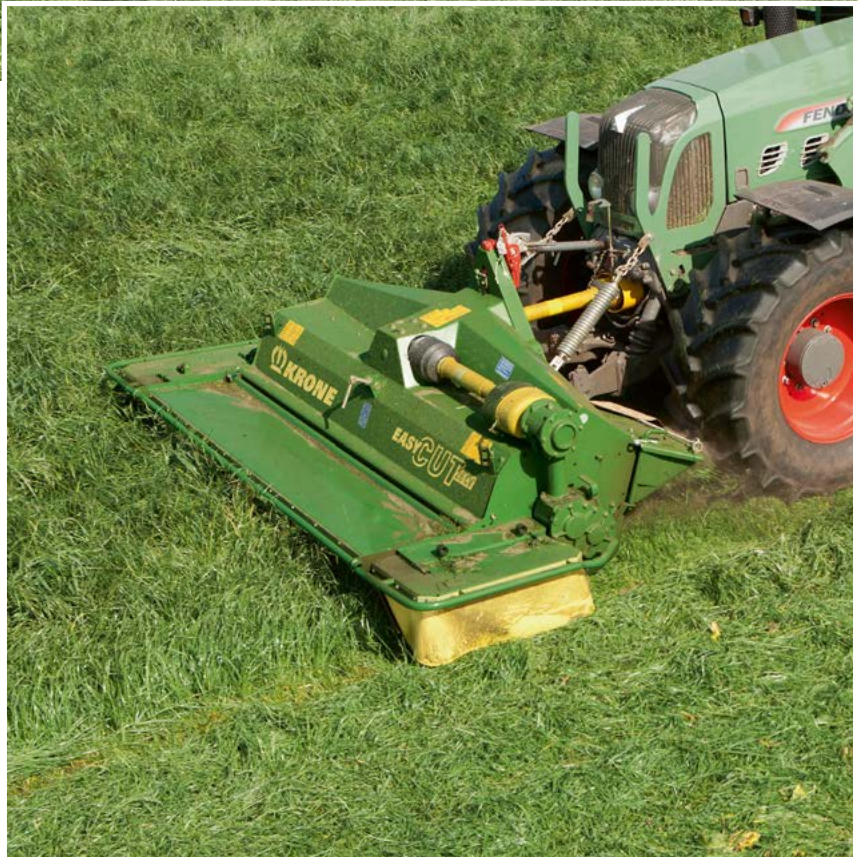
Cutting and conditioning in one pass, the KRONE front-mounted mower EasyCut 28 CV with CV steel tine conditioner is the specialist machine for harvesting farm-grown forage at a professional level.



V-type pivoting steel tines and a steplessly adjustable baffle plate provide uniform crop treatment, reduce machine wear and optimise adaptation to crop conditions.



Full-width conditioning: Specified with V-type steel tines and baffle plate, the conditioner spans the entire work width. The goal is a uniform crop flow across the entire work width and optimum conditioning results.



Two suspension springs on the mower arms minimize the ground pressure and optimize the machine's ability to follow the ground contours, ensuring a clean and very consistent swath formation even in difficult conditions.



Optional guide plates offer very precise adjustment and positioning for wide spreading and even faster conditioning.



The conditioner shaft is powered by a two-speed (600rpm and 900rpm) mechanical gearbox which forms an integral part of the driveline.



The perfect match: KRONE offers adapters to fit into rigid lower link arms and a telescoping top link extension, which enable transverse ground tracking.



EasyCut 400

Technology that delivers

- High workrates
- Low input requirement
- DuoGrip and center of gravity suspension
- Hydraulic impact damage protection
- Light weight
- Excellent value for money

We listen and respond by continually optimizing our technology, such as by expanding our work widths. Working at a width of 4 m (13'2"), the high-capacity EasyCut 400 stands out for easy handling, an excellent quality of cut and low input requirement.



A thought-through system: The 4 m (13'2") mower simply swings to the rear for road transport for easy passage under low gates and bridges.

Hydraulic changeovers from transport to work and vice versa: A double acting ram swings the mower into position. The system offers straightforward and convenient control from the cab via a double acting spool. Low in profile when in park position, the mower is transported at a generous ground clearance.



KRONE EasyCut 400 is a mounted mower that provides large work width. This cost-effective and efficient machine performs equally well in forage harvesting and field extensification. Depending on the design and the sense of disc rotation, this disc mower can spread and windrow the crop into two equal windrows. Features include the KRONE DuoGrip system that provides center-of-gravity suspension for superior balance and perfect cuts. The hydraulic impact damage protection system offers two-fold protection by allowing the mower to break back and lift out of work.



Hydraulic impact protection: The double acting ram that folds the unit into transport and work position also serves as impact damage protection system to give this mower the best protection it can possibly get.



Convenient: a hydraulic ram raises the machine on the headland. Linked to the ram that swings the unit in and out, this ram also provides for impact damage protection, as it instantly lifts the machine the moment the break-back system trips.



Flexible: EasyCut 400 features top hats in the middle which form two windrows that the tractor can straddle. You can replace these top hats by discs, if spreading and faster wilting is the aim.



DuoGrip

The intelligent attachment of the rear mower

- Double mounting:
center of gravity suspension,
parallelogram linkage guidance
- Uniform ground pressure
across the entire work width
- Large pivot range
Perfect ground hugging
- Excellent guidance
Clean cuts
Less side thrust

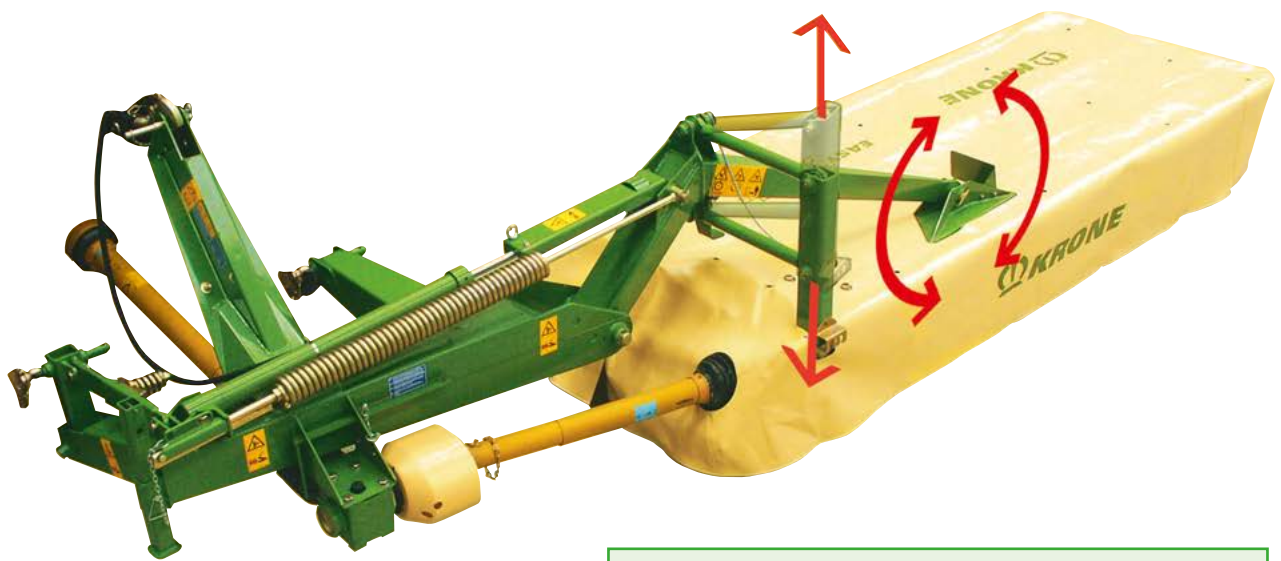
The first step in the production of quality forage is a uniform and clean cut. Central to this is the design of the mower and its suspension system. The KRONE DuoGrip system on the EasyCut 400 rear mowers comprises two arms that are attached on the side of each mower and suspend the machine in its centre of gravity – a design that leads to a particular gentle treatment of the crop. The concept provides a very consistent control of the entire cutterbar even in difficult conditions – and this is the secret of high-quality forage.



Adjust the ground pressure conveniently to requirements. Easily adjustable coil springs provide quick and optimum adaptation to all conditions. The kinematics between the coil spring and the main beam maintain a nearly consistent ground pressure, even in undulating terrain.

The beefy mower arm suspends the mower in its center of gravity. Its special design allows the machine to pivot through a wide angle. The unit suspends in a sturdy ball socket.

Spreading the load: The parallelogram linkage absorbs the lateral forces and guides the unit in direction of travel. At the same time, it helps reduce the load on the jib and the center-of-gravity suspension system.



DuoGrip

- great stability and low weight
- large pivot range hence optimum contouring
- minimum side pull for consistent machine control and gentle crop treatment
- uniform ground pressure across the entire work width
- simply KRONE excellence





Technical Data EasyCut

Front-mounted disc mowers with conditioner

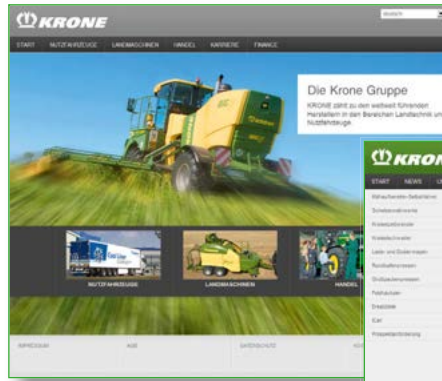
Typ		EC 28 CV
Work width	approx. mm	2,710 (8'11")
Transport width	approx. mm	2,565 (8'4")
Conditioner		Pivoting, V-steel tines
No. of discs		4
No. of top hats		2
SafeCut		Standard
Quick-change blades		Standard
Wide spreading		Option
Windrow width	approx. mm	1,200 - 2,700 (3'11" - 8'10")
Conditioner speeds	rpm	600 and 900
Rotor diameter	mm	642 (2')
Conditioner width	mm	2,055 (6'8")
Area output	approx. ha/h (acres/hr)	3.0 - 3.5 (7.0 - 8.5)
PTO speed	rpm	1.000
Dead weight	approx. kg (lbs)	880 (1,940)
Power requirement	kW/hp	51/70



Rear-mounted mowers without conditioners

Typ		EasyCut 400
Work width	approx. mm	4,000 (13')
Transport width	approx. mm	1,700 (5'6")
Transport height	approx. mm	1,500 (4'11")
No. of discs		5
No. of top hats		4
SafeCut		Standard
Quick-change blades		Standard
Area output	approx. ha/h (acres/hr)	4.5-5.0 (11.0-12.0)
Weight	approx. kg (lbs)	960 (2,116)
Power requirement	kW/hp	59 / 80
Hydraulic couplers		1 x sa / 1 x da
Link arm pins		Cat. II and III
PTO speed	Standard rpm	540
	Optional rpm	1.000

KRONE Internet



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Jobs

Would you like to join our company? KRONE is often looking for diligent and motivated staff to work at our farm machinery factory as well as at our commercial trailer production plant. So, this section is always worth a visit.



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Used Machinery

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24/7... This service gives you the opportunity to find your KRONE part at any time and without waiting. The KRONE Agroparts Portal has an article number and exact description for every part. You can order the part instantly at your local KRONE dealer by sending an e-mail to Agroparts.



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Your KRONE dealer

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