

DISCO disc mower

CLAAS

A cut above the rest







A systematic approach to forage harvesting

When it comes to forage harvesting, every second counts. It's important to have a partner who provides much more than robust machinery. Unrivalled product quality and first-class service, for example. And a seamless forage harvest chain which precisely integrates every process, from mowing, tedding and swathing through to harvesting.

Thanks to our know-how and experience, we are one of the world's leading forage harvest system providers. Nevertheless, we have never rested on our laurels. Whether you farm 10, 100 or 1,000 hectares of land, you'll always find the right solution from our range of products and services. Guaranteeing you the finest crop quality.

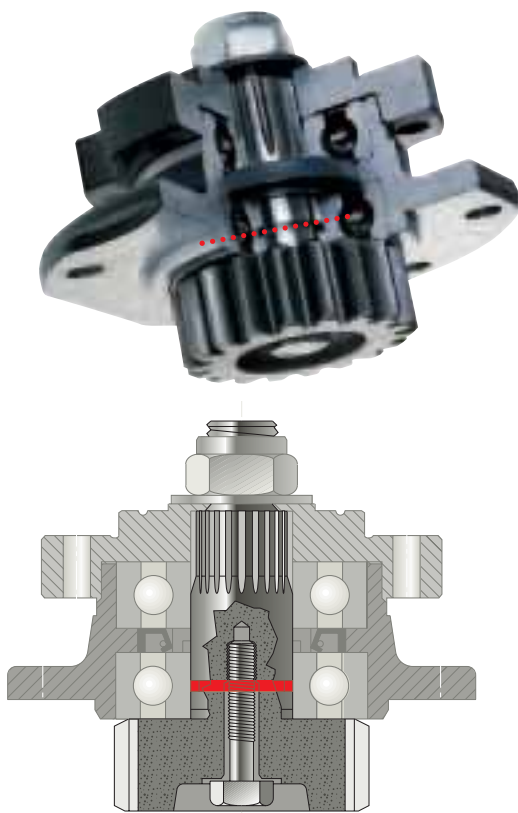


A strong heart

The heart of all DISCO mowers is the cutterbar, which has proven its strength time and again in tough conditions around the globe. But that doesn't mean that CLAAS is content to rest on its laurels.

SAFETY LINK

- Reliable protection from damage to the mower caused by hitting obstacles.
- Defined shear points above the satellite pinion gear prevent any significant damage to the drive line.
- The pinion gear and bearings or the entire unit can be changed quickly.
- Minimum downtime during harvest.



DISCO disc mowers with SAFETY LINK

Safety for everyone

If the SAFETY LINK is activated after a large obstacle has been hit, the cutting disc stays firmly in place. The hexagon bolt located in the pinion shaft prevents the cutting disc from flying off. Minimising the risk of further damage.

Robust housing

The heavy-duty gear housing is another guarantee for high-grade, long-life CLAAS technology.

Maximum flexural strength of the cutterbar thanks to:

- Extra-strong cover plate
- Small service openings
- Large depth of the cutterbar

These unique CLAAS features aid reliability.

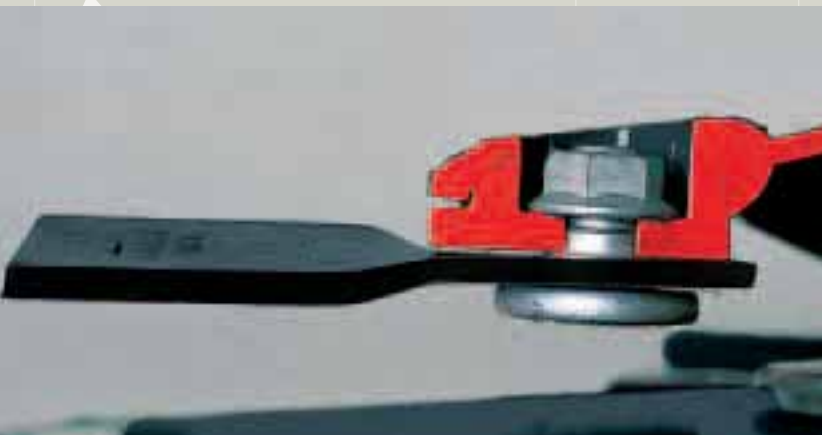
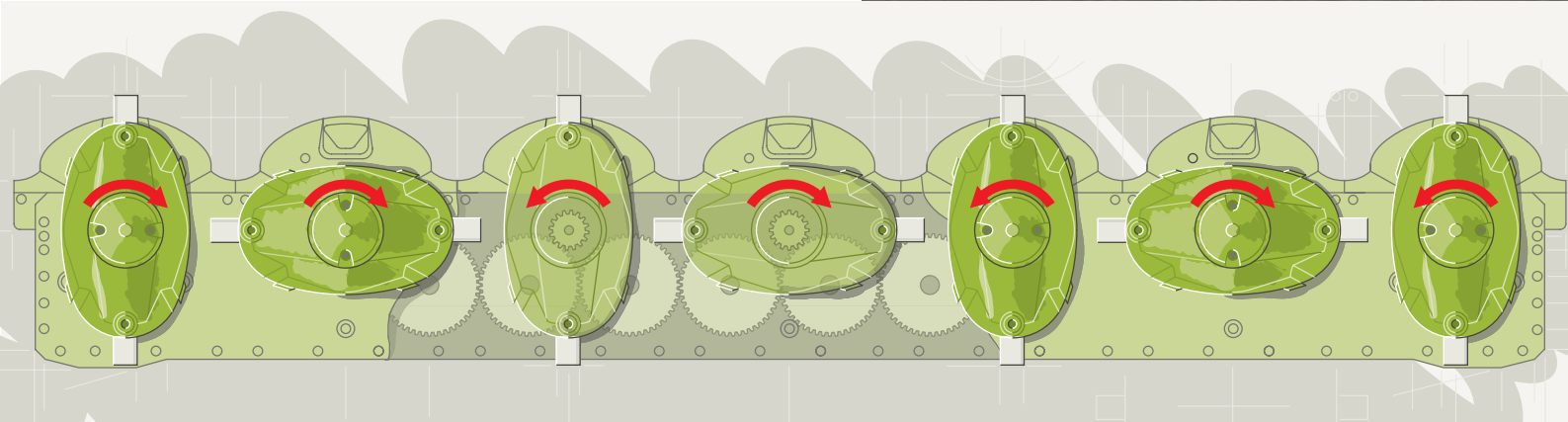


Individual bearings or, if necessary, the entire SAFETYLINK unit can be changed quickly.

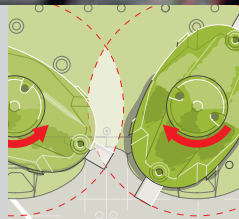


SAFETY LINK

DISCO cutter bars – Precision itself



The broad overlap of the discs ahead of the cutterbar ensures a clean, uniform cut. All of the housing bolts in the cutting zone are recessed.





Well-designed drive

Smooth running, low-wear power transmission and a long lifecycle thanks to:

- Slow rotation speed of the large-diameter gears.
- Large diameter means bigger mesh area, enhanced by convex gear surfaces.
- 24 mm forged gearwheels in high quality spring steel.
- Gearing is able to absorb significant shocks effectively.
- The forward positioning of the cutting disc pinion gears means that only a fraction of the entire power has to be transferred.

Cutting discs with a bite

- The oval shape of the cutting discs encourages the crop flow and improves cutting quality.
- Strippers welded to the underside of the cutting discs keep the cutterbar clean and reduce mechanical wear to the blade attachments.
- Extra-depth mowing bar for added protection of the bar and cutting discs.
- Blade attachment either bolted or quick blade change system.

Original CLAAS cutting blades

- Cutting blades made of high-grade spring steel.
- Ground blades.
- Clean cut to encourage rapid growth.

Whether the blade is attached using the quick blade change system or is bolted, the blade is always fastened securely.



Bar technology



Smart power transfer

- An angle drive transfers the power directly through the two-bearing first disc with a minimum of energy loss.
- Power flows via a universal joint in the input drum without transferring shocks or vibration.
- No inner shoe means minimal risk of blockage.

Active feed drums

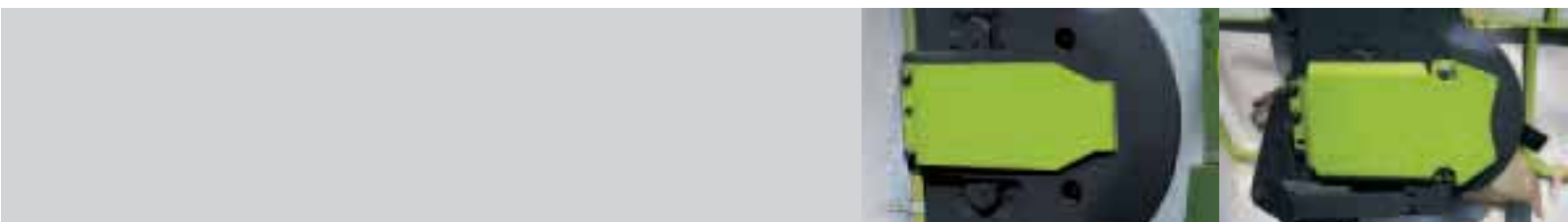
- Cylindrical feed drums keep the crop flowing smoothly and produce a cleanly shaped swath.
- Mowers without conditioners feature drums that encourage the flow even more with bolted wear slats for quick, easy and cost-effective replacement.

All-round bar protection

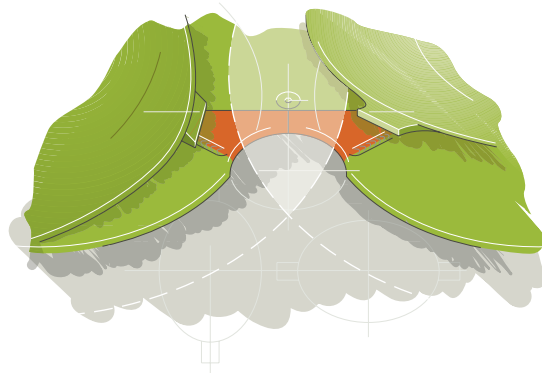
- The cutterbar is protected against mechanical wear and foreign bodies thanks to:
 - Rugged skids underneath
 - Extra-hard welded-in Hardox inserts in front between the skids.

Fit for every occasion

- Every region and soil type places individual demands on the mower and its technology.
- Optional extras are available to meet special requirements:
 - Wear skids for sandy or stony fields or in the case of high output to reduce wear on the skids.
 - Increase the cutting height by 30 mm using high-cut skids, for example, for field crops.



DISCO – Appearances also count



Bar protection
drive

DISCO high-speed blade changing



Quick blade change

With the quick blade change system, CLAAS offers an effective combination of sophisticated technology and ease-of-use.

- Easy blade change:
the fixing lever is placed around the blade bolt, the leaf spring pushed downward and the old blade swapped for a new one.

Well organised

- A weatherproof blade box is located on the three point linkage next to the fixing lever.
- The existence of two separate compartments for left and right blades rules out any risk of confusion.
- The part numbers of the blades are also displayed on the lid of the blade box.

The front edge of the hardened steel leaf spring is tungsten carbide coated for extra long life.





Safety first

- The hardened steel blade bolt is welded firmly to the leaf spring.
- The leaf spring pushes the blade bolt from below firmly into the disc.
- The blades rotate freely around the bolt without any impact. This prevents damage.
- A 7 mm overlap and the mushroom-shape of the blade bolt keep the blade firmly in place, even in the toughest of conditions.
- The blade can only be changed if the blade attachment is directly above the cavity. This prevents the blade from coming free by mistake.

The stripper underneath the leaf spring covers the bearing area, protecting the entire length of the leaf spring.

Quick blade change



Only the best

Regardless of which mower you opt for, the conditioning system, which has proved itself time and again in large-scale operations, is featured on all CLAAS mowers. CLAAS refuses to compromise on conditioning quality or on service life.

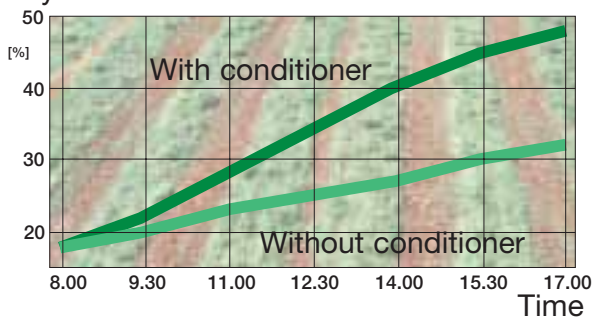
Whatever the weather

As with everything CLAAS produces, the conditioners on the DISCO mower are tough, reliable and powerful. They help you to work even more efficiently and exploit the available harvesting window to the full.

Tried-and-tested technology

- Angular gear fitted to the main drive for steady and reliable power transmission.
- V-shaped offset tines comprising two single elements and made of hardened steel for efficient operation over several years.
- You can match the conditioning intensity to the harvest conditions by adjusting the baffle plate, without the need of tools.
- The swathing plates are adjustable for the right swath width.

Dry matter



Flexibly mounted steel tines give way when they come into contact with stones, thereby preventing damage.



DISCO with conditioner – Rapid drying and wilting



Efficient operation

- Loose swath accelerates the drying and wilting process considerably.
- The number of working steps is reduced, saving valuable time.

Precision adjustment

The level of conditioning can be set from aggressive to gentle by altering the intake as well as the ability to turn the asymmetric steel tines.

Securely mounted

- The conditioner rotor is fitted on highly stable block-mounted bearings.
- The bearings are fitted outside the crop flow so they are well protected from dirt and harmful crop fluids.
- Easy removal and replacement of the rotor for maintenance purposes.



Conditioner



Mowing and spreading

To enable you to work even more efficiently in good drying conditions or when gathering moist silage, CLAAS offers the crop spreading system as an optional extra on DISCO mowers 2650 C, 3050 C, 3050 TC, 3050 FC and 8550 C, and as standard on DISCO 8550 AS, 8700 C and COUGAR 1400 mowers. This is a more cost-effective approach to forage harvesting.

Less work, faster operation

- The crop is conditioned and then distributed evenly across the entire width of the mower - all in one go.
- The adjustable vanes generate an even and loose swath.
- Set up of the desired swath shape without using tools.
- Minimises the requirement to ted.

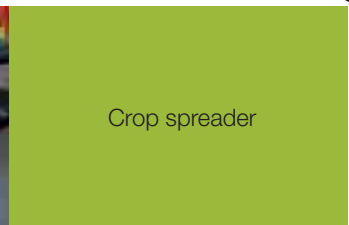
The adjustable vanes on the DISCO's crop spreader distribute the crop behind the conditioning rotor over the entire working width.



With a well-spread
crop you're
half way there

First-CLAAS quality

It goes without saying that these machines automatically adapt to cope with uneven ground and maintain an even ground pressure over the full width of the crop. This ensures the best mowing results and is gentler on the sward. Focus on greater efficiency and cost-effectiveness with the powerful and robust DISCO complete with conditioner and crop spreader.



Crop spreader

The DISCO rear mower with side suspension – Effortlessly follows the field surface



The tension of the suspension spring can be adjusted in a matter of seconds, without the use of tools. The inner and outer sides of the cutterbar can therefore be adjusted separately.



Even ground pressure

- The mower is suspended by two strong flat coil springs, or by three springs on conditioning machines.
- The ground pressure is distributed evenly thanks to springs arranged along the entire length of the cutterbar.
- Adjustment to cope with ground and harvest conditions, without the use of tools.
- The mower accurately follows ground contours thanks to the two pivot points.
- Even and clean cut as well as being gentle on the grass stubble.

Two mounting points are better than one

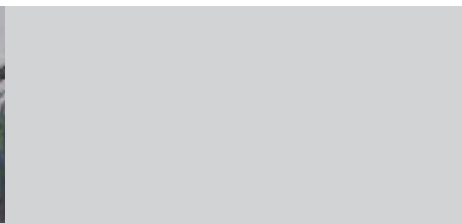
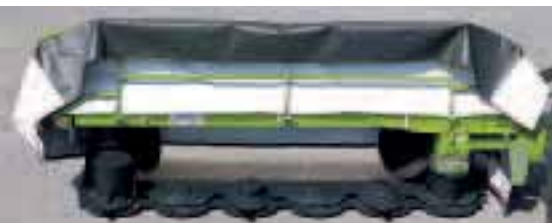
- Dual mounting of the cutterbar to the sturdy carrier frame on all DISCOs.
- Highly stable and excellent guidance of the bars, both in working and transport positions.

Clever kinematics

- Working on steep slopes is no problem.
- The use of a flexible belt drive rather than powertrains allows you to work unencumbered in any position.

Road safety

- The centre of gravity is close to the tractor, ensuring improved weight distribution and greater stability when travelling.
- The bar tilts slightly towards the centre of the tractor, thereby reducing the travel width.
- The pivot point is situated well inside the track width so the mower is only slightly wider than the tractor on the road.
- The mower is locked automatically when raised for road travel.



Mechanical bearing pressure



Robust and cost effective, with or without conditioner

The DISCO 2650, 3050 and 3450 mowers are ideal for efficient forage harvesting with rear linkage mounting. These disc mowers, designed as rear-mounted mowers - DISCO 2650 and 3050 C versions also equipped with a conditioner - give good manoeuvrability despite their large working width.

Adjustable fixing bolts

- Quick adjustment to tractor width.
- Full use of the working width.
- Easy matching of front and rear mowing combinations.

Superior single lever mechanism

- The ground pressure is always constant and the cut is clean thanks to parallel horizontal lifting on headlands.
- Raises at headlands and in transport position without using the three point linkage and without changing the basic settings.

Accident protection

If an obstruction is hit, the overload device is activated. Just back up to reset, then work can be resumed immediately.

- Reliable safety system comprising a rubber spring and a robust locking device.
- Effective protection of the machine against significant damage. The rubber springs cannot become locked.
- Simple adjustment after activation of the safety device.

Both the front and rear protective covers are fully hinged. This makes blade changing or cleaning the mower easier. The mower's compact dimensions means it takes up a minimum of storage space in winter.



DISCO 2650/3050/3450

DISCO 2650 C/3050 C –

Rear-mounted power houses



Spring-loaded swath disc for dead straight swaths

- The mowed swath is cleanly separated from the standing crop.
- No risk of blockages.
- Very large disc diameter and rubber coating for 100% trouble-free operation.
- The swath disc moves to the side in tight curves and stops the crop from building up.
- DISCO 2650, 3050 and 3450 with external swath disc as standard.

An internal swath disc is available as an optional for the DISCO 2650 and 3450 and a swathing plate for the DISCO 3050.

Set-up couldn't be easier

Belt tension is checked against a visible mark. If tensioning is necessary, an easy-to-use crank handle is turned without the use of tools.

Maintenance made easy:
service intervals for the powertrain on all rear-mounted mowers:

- 250 hours for universal joints
- 100 hours for the sliding tubes

DISCO 2650/3050/3450
DISCO 2650 C/3050 C



Gentle conditioning

Leafy crops such as alfalfa need to be treated differently from grass. The DISCO 2650 RC with rolling conditioner is CLAAS's gentle alternative to the proven DISCO 2650 with tine conditioner.

Harvesting of green forage/whole crops made easy

- The conditioner consists of two interlocking spiral rubber rollers.
- The tough stems of the leafy plants are squashed whilst the delicate, nutritious leaves are handled gently.



The weatherproof blade box, fixing lever and cutting blades are always at hand.



DISCO 2650 RC – Gently does it

V-shaped roller facing

- Simple power flow to the conditioner: the large width of the roller makes it possible to just drive the lower roller, while the spring-suspended upper roller turns at the same speed and protects against foreign objects.
- The tension and the spacing between the rollers can be adapted to the harvesting conditions.
- Perfect crop flow thanks to the optimum position of the rollers close to the cutterbar.



Easy adjustment of swathing plates without tools for cleanly-formed and well-separated swaths.

DISCO 2650 RC

NEW

DISCO 2700 CONTOUR DISCO 3100 CONTOUR DISCO 3500 CONTOUR – Right in the country

The essence

Well-structured machinery, stability and professional functionality combined. Clear, easy-to-use functions and a high level of user-friendliness are the trademark of the new DISCO 2700, 3100 and 3500 CONTOUR with central suspension.

Designed and built for farms where high-quality mowing and forage is important, these mowers with central suspension are an alternative to the proven rear mowers in this class.

Compact and reliable

- Extremely reliable three point linkage positioned close to the tractor.
- Adjustable lower linkage load-bearing bolts for quick adjustment to the track width of the tractor to enable full exploitation of the working width and optimum overlapping in combination with a front mower.
- Robust outer mower with large-dimension suspension bolts and broad bearing.
- All main bolts are made of 45 mm hardened steel, running on lubricated plain bearing bushes.
- Mowers are driven by a star profiled powertrain of extra-strength material, especially designed for traveling long distances.
- Direct transmission input to the cutterbar via an angle drive in the first disc. No inner shoe means there is no risk of blockage.
- Torsionally rigid chassis with box profile.
- Dual mounting of the cutterbar to the sturdy carrier frame.
- All functional parts are protected against damage.





Lightning reactions

If an obstruction is hit, the overload device is activated in a matter of seconds.

What's new: the 15° angled pivot point in the centre of the outer mower. The special positioning of the pivot point allows the mower to swivel backward 25° when the overload device is activated and at the same time to lift up.

- Reliable safety system comprising a rubber break-back device.
- Effective protection of the machine against significant damage. Break back only activated under severe load.
- The mower is also protected from large stones or similar obstacles.
- Simple adjustment after activation of the safety device.

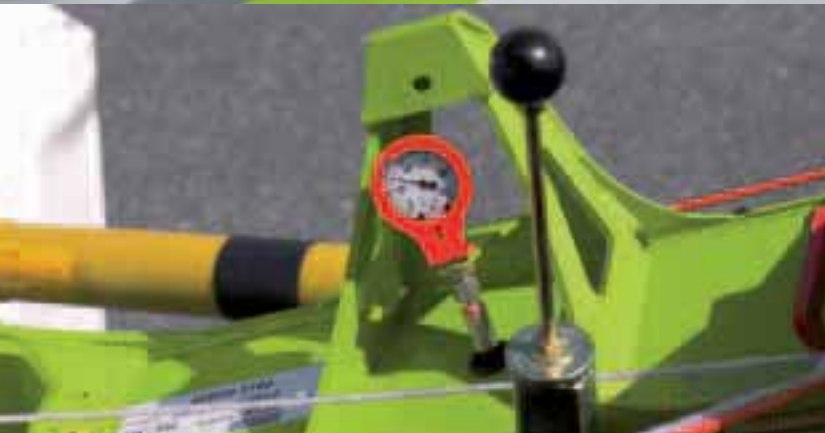


DISCO 2700 CONTOUR
DISCO 3100 CONTOUR
DISCO 3500 CONTOUR



Positioning with ease

You can make sure that the lower linkage is correctly positioned, this can be done from the comfort of the tractor cab. The clearly visible control arrow indicates the best position.



Grass isn't just grass

No crop is consistent. Wet ground or dry hilltops - the cutterbar's hydropneumatic suspension now allows you to react quickly and with no fuss. You can regulate the mower's suspension at any time from the comfort of the tractor cab. The currently selected ground pressure can be read from the cab's pressure gauge. Set the value you want. The result:

- Less crop contamination, highest quality forage.
- Mechanical wear is kept to an absolute minimum.
- Effortless adaptation to ground contours and optimum grain protection.
- Reduced power requirement and fuel consumption.
- Mowing is noticeably easy thanks to minimised side traction force.

Swivelling swath disc with large diameter for the perfect swath shape. Depending on the country, it is available as an optional extra or as standard feature.



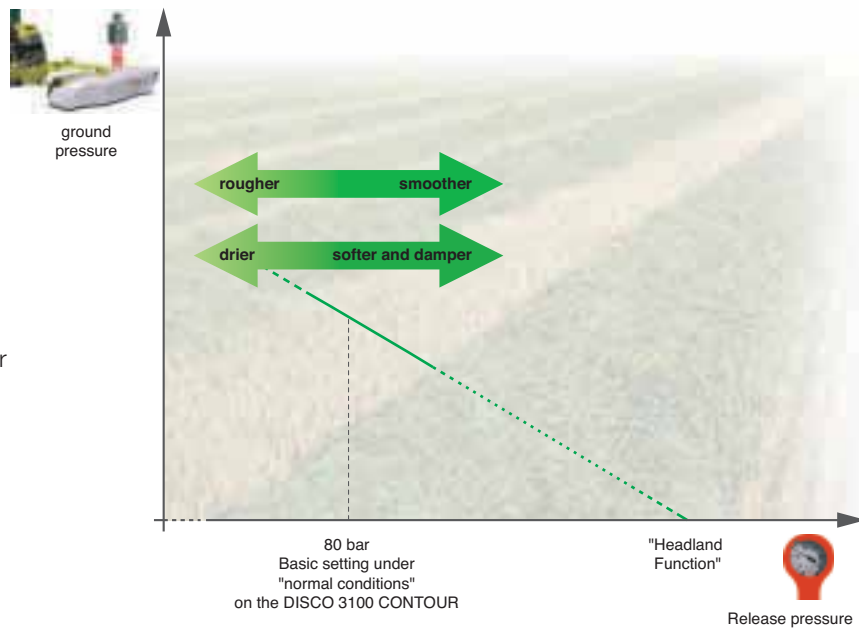
NEW

DISCO CONTOUR – Well balanced

Two-fold strategy

- Adjust the balancing pressure to the changing ground conditions quickly, easily and continuously via the single-acting tractor hydraulic connection. You can do this at any time without descending from the cab, even during mowing.
- If conditions are constant, set the balancing pressure once before you start and you can begin mowing straight away. The pressure remains constant, the hose tap of the hydraulic line can be closed and the hose mounted on the mower's holding device. You can also operate the DISCO CONTOUR with only one double-acting control valve.

As another alternative, a fully suspended cutterbar allows you to make use of the edge mowing function. The mower "flies" over the uneven ground at the edges.



The icing on the cake: by closing the clamp the cylinder is deactivated, and the preset pressure is maintained even when the machine is no longer in use.

DISCO 2700 CONTOUR
DISCO 3100 CONTOUR
DISCO 3500 CONTOUR



Smart transport technology

The DISCO models with central hitching boast folding and transport technology which has been fine-tuned down to the last detail.

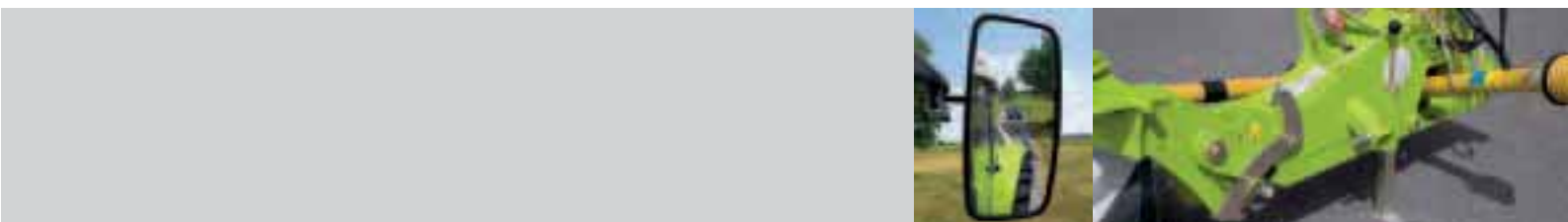
- A powerful, special dual-function cylinder allows the mower to be tilted upwards centrally by around 115°.
- More or less equal loading of both rear wheels for optimum stability while driving.
- Excellent weight ratios of front and rear axles guarantee optimum stability during transport.
- Because the centre of gravity is close to the tractor, the mower does not vibrate, does not swing backwards and is able to cope effortlessly with the tightest of turning circles.
- The special folding design means the driver has excellent all-round visibility and ensures that any following vehicle has a clear view of the tractor's lights.
- Reduced travel height means that low clearance heights are no problem.
- The angular transport position means that branches protruding into the street are no obstruction to travelling.

- The minimum excess width of the mower allows for clear and easy transportation.

Secure transport position

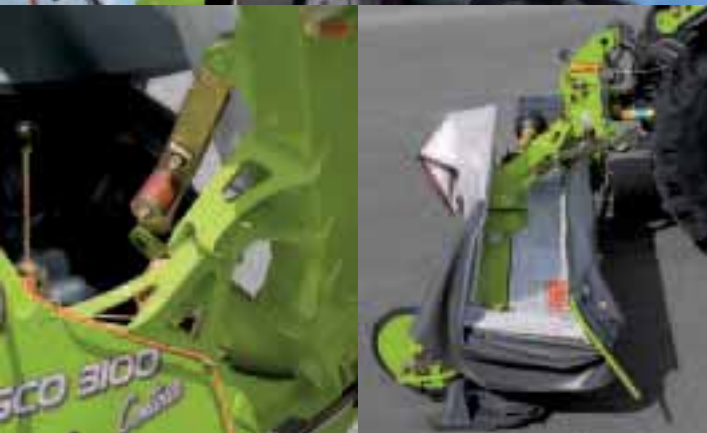
In transport position, the mower rests with its transport claw securely on its mount.

Even if there is no pressure in the hydraulics, the mower is secured by a mechanical transport security lock. Extremely quiet and vibration-free transport conditions mean you can travel long distances and work long hours in comfort.



NEW

DISCO CONTOUR – Just good at its job



Unparalleled comfort

- A gauge visible from the tractor cab indicates how the mower is set up in terms of travel and suspension.
- Balancing pressure can be adjusted from the tractor cab.
- Balancing pressure can be maintained even when the mower is not in use.
- Single-lever lifting on headlands with catch to protect the powertrain.
- Easy unlocking and moving of the jack.
- Quick blade change as standard.
- Blade box for efficient storage of mowing blades integrated with the mower.
- Automatic transport catch with end-of-travel damping.
- Easy maintenance and optimum access thanks to foldable protective covers.
- 250 hour lubricating interval for universal joints and 100 hour lubricating interval for the sliding tubes of the powertrain.



DISCO 2700 CONTOUR
DISCO 3100 CONTOUR
DISCO 3500 CONTOUR

Trailed mowers – Pure power on two wheels



As wide as you need

The DISCO 3050 TC doesn't waste an inch of working width. The disc mower can be adapted to handle any width of tractor. The DISCO 3050 TC mower is designed for high output, whether used individually or in conjunction with a roller conditioner, with swathing via deflector fins or conveyors. Its precise tracking is thanks to the wide-profile tyres.

Unrestricted attachment

- Free-moving bracket for attachment to the lower linkage for maximum flexibility during cultivation.

All drawn DISCOs, whatever equipment they are fitted with, are permitted to travel on roads of up to 40km/h.





The drive: robust and well-designed

The tractor's power is transferred to the mower via a highly robust and reliable swivelling drive head.

- Drive shaft resistant to bending even in the tightest of corners.
- Minimum mechanical wear when negotiating corners.

The mower is powered with 1,000rpm as standard. If required, you can simply rotate the input drive to convert the speed to 540 rpm using the appropriate powertrain.

Easy adjustment to any track width

- The highly stable side drawbar can be set to 4 different positions.

Steady flow

- Optimised crop flow around the mower thanks to its straight edges and rounded corners.
- Side protection panels with straight outer edges for maximum elasticity of the protective covers.
- Rounded hood for a clean swath and a smooth crop flow.



Don't wait, just mow

When time is the key factor, it's often the details that make all the difference during operation or maintenance.

- Convenient adjustment of the discharging springs by means of cranks.
- Simple cutting height crank adjustment between 30 mm and 70 mm indicated on a scale.
- Foldable, securely hinged protectors with a reliable locking mechanism to ensure optimum maintenance conditions and easy access to the belt pulleys.
- Safety frame acts as a bumper to prevent damage to the protective covers.
- Stable jack with practical locking device.
- 250 hour lubrication interval for the drive shaft.



Parallel suspension

The springs are easily adjusted via cranks. Because the ground pressure can be matched to harvesting conditions, adaptation to ground contours is optimised and mechanical wear is kept to a minimum.

Focusing on comfort

Blade change in a flash

- Quick blade change as standard.
- The weatherproof blade box, fixing lever and cutting blades are always at hand.
- Save time by changing the blades on the spot.
- Minimum downtime for maintenance and maximum safety are guaranteed.

Takes obstacles in its stride

If the DISCO 3050 TC hits a stone, for example, the entire mower and conditioner unit automatically swings up and back and is guided safely over the danger point. The mower then resumes its normal position automatically.



Trailed DISCO

DISCO 3050 TC –

The one with the fast tines



More efficient conditioning

Trailed CLAAS mowers offer impressive productivity thanks not least to the extremely robust and reliable conditioner. The conditioner goes to work on the waxy layer of the plants so that the sap surfaces and dries more rapidly. In addition, the swath is mixed thoroughly and is discharged on to the stubble, which also accelerates the drying process. This saves time and effort, and allows you to exploit the short harvesting time to the full. A crop spreader hood is optionally available for all mowers with tine conditioners, ensuring an extra-wide swath deposit over the entire width of the mower.

Wide tyres are available for smooth driveability and large contact areas while remaining gentle on the ground.



Faster with a tine conditioner

- Fast and even drying of the forage, thus minimising the risk posed by bad weather.
- Setting of the conditioning level by means of baffle plate adjustment, which is positioned close to the conditioner.
- Large number of tines aligned on the robust conditioning shaft for highly intensive conditioning of the forage.
- Continuously rounded housing to ensure smooth forage flow.

Adjustable swath plates

- Swath widths adjustable between 1.3 and 2 metres.
- By adjusting the swath width to the tractor's track width, driving over the crop can be avoided.
- The width and density of the crop can be used to influence the drying process.

Rugged know-how

- The asymmetrical rubber-mounted, spring-steel tines allow for two different levels of conditioning:
 - The rounded side of each tine provides gentle conditioning
 - The straight factory-mounted side conditions the crop aggressively



The mower for special situations

There are situations when it's not appropriate to condition the crop intensively during mowing. Crops like alfalfa and clover have a lot of leaves and appreciate very gentle treatment. The DISCO 3050 TRC with its special gentle roller conditioner is the perfect solution.

Gentle and fast

- The conditioner consists of two spiral interlocking rubber rollers.
- The hard stalks are squashed whilst the sensitive, nutritious leaves are treated gently.

Smooth operator

- Easy, wear-resistant and maintenance-free conditioner drive: the lower roller is driven via a drive shaft and the upper roller runs along with it.
- The tension and the spacing between the rollers can be adapted to the harvesting conditions.
- Perfect crop flow and loss-free harvesting thanks to the optimum position of the conditioning rollers close to the bar.
- Protection from foreign objects with the spring loaded upper roller.

Wear-resistant, maintenance-free, robust: the conditioner is driven by the lower roller only, while the upper roller runs along with it.



DISCO 3050 TRC – For gentle conditioning



DISCO 3050 TRC

DISCO 3050 TC PLUS with FLAP GROUPER



The alternative

The trailed DISCO 3050 TC PLUS with FLAP GROUPER is another extremely efficient and cost-effective alternative designed to exploit the potential of big trailing machines to the full.

Narrow double swath

- Two narrow swaths are packed next to each other and made into one unit.
- No additional hydraulic connections are needed since both swath plates are altered using hydraulic cylinders which are coupled with the swivel cylinder of the draw-bar.
- The approx. 3 metre-wide swath can be processed in one pass by a self-propelled JAGUAR with a 3.8 metre pick-up.

You can easily adjust the vanes to cope with varying crop conditions. The adjustable extension plates allow you to determine the swath width and shape.





No running over the crop

There is sufficient room between the swaths for the tractor tyres and to allow for parallel tracking thanks to the ability to change the drawbar position, thereby preventing the first swath from being run over and ensuring a clean crop.

The driver sets the required swath width from the tractor cab. The two swath plates swivel left and right hydraulically to lay the crop together.



DISCO 3050 TC PLUS
with FLAPG ROUPER



Two become one

You can choose to use the DISCO 3050 AS with or without swathing. This trailed machine offers outstanding flexibility, surface output and a smooth crop flow, even when handling high volumes of forage.

Powerful drive

- Cross conveyor driven independently of the tractor hydraulic by a separate on-board hydraulic system.
- Conveyor speed set using a continuously adjustable oil flow regulator.

Adjustable throwing distance

- The crop can be deposited accurately on the existing swath from the conveyor belt.

Variable adjustment

The DISCO 3050 AS cross conveyor belt is 220 cm long and about 90 cm wide and its speed can be adjusted variably. Whenever the belt is no longer needed, it can be folded up and disengaged automatically.

Reaching new heights

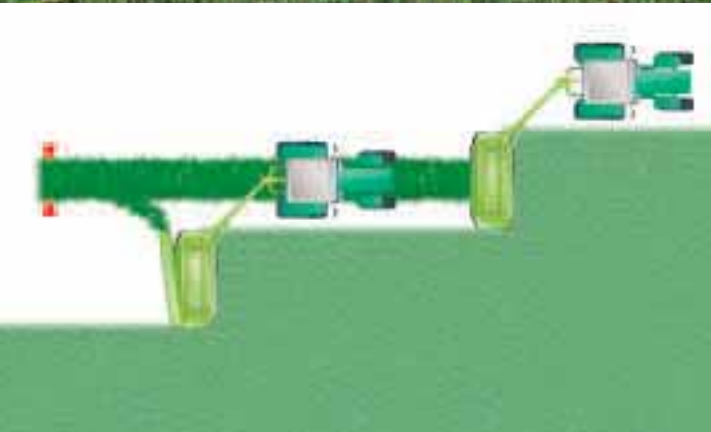
- Conveyor can be adjusted to three different positions from flat to steep, depending on the forage properties.
- Extremely wide and long cross conveyor (900 mm x 2200 mm) for optimum crop flow and maximum surface output.
- Angled arrangement of the adjustable folding plate for accurate crop guidance on the conveyor.
- Extremely wide tyres for gentle field travel and even greater clearance height.
- Optimum transport conditions thanks to the rigid position of the conveyor over the arm.

The belt is engaged automatically by a control valve when it is lowered, eliminating operator error.





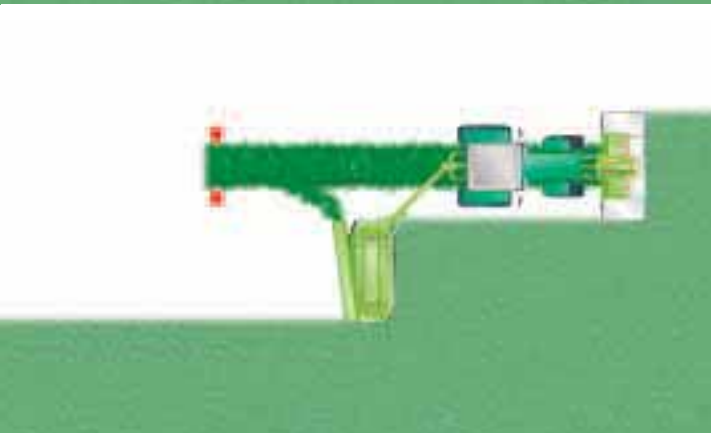
DISCO 3050 AS – High- performance conveyor belt



One mower or two

The aim is to deposit the densest possible swath and therefore achieve an extremely high-output forage harvest chain. The DISCO 3050 AS shapes the best possible swaths for the JAGUAR's pick-up.

- The DISCO 3050 AS can be used in two configurations: mow first with a normal, centrally deposited swath without the cross conveyor, then mow with side discharge via the cross conveyor and place the forage on the first swath.
- In conjunction with the DISCO 3050 FC: deposit one compact swath from six metres of working width in one single pass.



DISCO 3050 AS



Perfect up front

Boasting all of the features of the DISCO range, such as quick blade change and SAFETY LINK, but of an uncomplicated design which doesn't require additional control devices, the new DISCO 3100 F PROFIL is the perfect complement to the DISCO 8550. In conjunction with a rear mower, notable working widths can be achieved.

- Three dimensional adaptation to ground contours and the low passage of the cutterbar directly over the sward prevents the cutting discs from being pierced.
- High-quality cut.
- Minimum crop contamination.
- Gentle on the sward.
- Faster working speeds and therefore higher output.
- Large-sized crop opening for smooth crop flow.
- Locking mechanism for high cutting on difficult or stony ground.

Proven bar technology: the transmission input to the outer left and the adjacent conveyor cap create the best possible conditions for seamless crop flow. The pivoting swath disc on the right hand side helps to create the perfect swath.

NEW

DISCO 3100 F PROFIL – Optimum crop flow, 3D adjustment

Convenient as ever

The new DISCO 3100 F PROFIL combines new technology with proven convenience.

- Connected with a quick attachment coupler.
- Locking mechanism for convenient and secure connection of the mower.
- The weight of the machine is transferred to the front axle of the tractor, adjustable tension springs ensure a low power requirement and minimal mechanical wear to the skids due to reduced friction.
- Greater traction on slopes and when travelling quickly thanks to optimum weight distribution.
- Easy transport and maintenance despite large working width thanks to foldable protective covers.
- Easy transport with minimum vibration thanks to the springs on the mounted stand.
- Rounded mounted stand for optimum front vision.
- Weather-proof blade box with sorted blades.
- Powertrain supports that swing back automatically.
- 250 hour lubrication interval for the drive shaft.



DISCO 3100 F PROFIL



Mowing perfection

The DISCO 3050 FC is the right choice for anyone looking for a high-performance front mower with conditioner. It is mechanically well designed and is unrivalled in its class.

Adapts to ground contours

- Adapts to ground contours crossways and lengthways to the direction of travel, fully independently of the tractor height.
- Clean cut across the entire working width at all times.
- Gentle on the sward.
- Less crop contamination means high-quality forage.

Blade changing, the choice is yours

The blade box and fixing lever allow you to change old blades in no time at all. The DISCO 3050 FC comes with either bolted blades or the quick blade change system.

Maximum ease

The generous folding protectors ensure minimum transport and parking widths and rapid and convenient cleaning and maintenance.



Adjustable swathing plates allow the swaths of the front mower to be adapted to the relevant tractor width without the use of tools. This prevents you from driving over the freshly mowed crop.



DISCO 3050 FC – Taking all terrain in its stride

Rugged and well-designed

- Connected with a quick attachment coupler.
- The weight of the machine is transferred to the tractor thanks to strong, adjustable tension springs, which ensure a low power requirement, minimal mechanical wear to the skids and better traction on slopes when travelling quickly.
- Low-maintenance powertrain with freewheel mechanism and friction clutch.
- Symmetrically arranged powertrain for reliable power transmission.
- The outside edges are automatically kept clean by two powerful feed drums fitted on both the left and right cutting discs and the crop is fed to the conditioner.
- The low centre of gravity of the bar ensures optimum adaptation to any terrain.



DISCO 3050 F / 3050 FC

DISCO

large-scale
mowers for
professionals





Benefit from our experience

Performance and reliability are the hallmarks of CLAAS's large-scale mowing technology. As a successful supplier of large-scale mowers, CLAAS is today able to draw on many years of experience.

By providing large-scale combinations for tractors and choppers with a working width of up to 8.5 m, CLAAS can offer a powerful range of mowers. Whether they are to be attached to a chopper or tractor, used in a butterfly or reverse drive configuration, with or without a conditioner or automatic swather unit, is entirely up to you.

The king of all mowers

With the self-propelled COUGAR, CLAAS enters the realm of superior mowing technology. A working width of 14 m and a unique machine design bring a new dimension to efficient forage harvesting.

CLAAS's renowned and proven technology is featured on all mowers, regardless of working width. Outstanding cutting quality in all conditions, the ability of individual units to follow the ground contours perfectly, intensive conditioning and clean discharge of the mowed material are typical qualities.

Together we are strong

The ability to ensure sustained forage quality is dependent on the seamless integration of mowing, conditioning and swathing operations in a coordinated process.

As the most important supplier to farm contractors, CLAAS offers process chains which, in terms of their sheer power, are unparalleled.

Whether you are mowing with a large-scale combination or the COUGAR, swathing with the LINER 3000 or harvesting with the JAGUAR or QUANTUM 6800, you are always guaranteed the highest levels of performance and quality.



OUTBACK®S – standard equipment

Overlapping and space-hungry turning manoeuvres are part and parcel of mowing. This results in approx. 7 % unnecessary work in one of the shortest time windows in field work, when every minute is crucial.

The GPS-controlled OUTBACK®S parallel guidance system is the answer. The driver receives accurate information from the first to the very last track on the navigation display. Our motto - professional orientation for highly efficient driving.

- Full use of the working width and consequently optimum division of the field area to increase effective surface output.
- Accurate driving even in poor visibility or at night helps extend working time.
- Ideal working conditions for the driver and so fewer driving errors.
- Enables you to stop and then continue working with pin-point accuracy, thus offering maximum flexibility.
- Saves on resources, time and personnel.

For the more advanced

Upgrade seamlessly from OUTBACK®S to E-DRIVE, the fully automatic parallel guidance system for CELTIS, ARES and ATLES. The new steering system takes control of the driver's steering functions. Simply enter the working width and reference track and the system automatically controls everything else via a valve block in the steering of the CLAAS tractor. And that's not all. The CLAAS E-DRIVE has been awarded TÜV approval for all Case, New Holland, Fendt and Deutz tractors.



AGROCOM OUTBACK®S and E-DRIVE – A mowing revolution



Effective headland management

With the OUTBACK®S it is now possible to divide up areas in the most effective way and to mow each track with exactly the right spacing. 180° turns and mowing in 90° corners are things of the past.

- Gentle steering angle at the headland protects the grain when switching directly to the next but one working width.
- No need for forward/reversing manoeuvres or turning back at headlands.
- Reduces overlapping at the headland to a minimum.
- Prevents duplicate cutting.



Grassland management

This digital assistant offers a wide variety of application options. It can be transferred from one machine to the next within no more than ten minutes to provide a valuable service for semi-liquid tanks or when spreading manure.



AGROCOM OUTBACK®S
E-DRIVE

DISCO 8550 –
The market leader





Years of experience, proven know-how, untold per hectare output and unparalleled competence in mowing technology have made the DISCO 8550 the number one among large-scale mowers for years.

The number one among large-scale mowers for years.



Untold flexibility with equipment to meet your needs

The big DISCOs are always perfect, either on a tractor with front and rear linkage or a reverse drive cab. The mower is made up of three units: in the middle, the standard DISCO 3100 F PROFILE, DISCO 3050 FC or one of the CORTO front mowers with a 3 m working width in conjunction with the DISCO 8550 with two outer mowers measuring three metres each.

Without conditioner

- For medium-sized farms looking for a cost-effective proprietary mechanisation option.
- Powerful package in conjunction with medium-sized tractors.
- Swivelling swathing plate for a uniform and well-formed swath.
- No problem coping with low clearance heights: the transport height can be reduced thanks to the hinged side protective covers.

With conditioner

- The loose swath deposit accelerates the drying and wilting process considerably.
- Time is saved thanks to fewer working steps.
- Risk of being affected by adverse weather is reduced.

Optional crop spreader

CLAAS offers this option on all three units with conditioner, so that efficiency during the harvest can be improved.



DISCO 8550 und 8550 C – Mowing the way you want to



Innovative adjustment

- Outside mowing units adapt to ground contours crossways and lengthways to the direction of travel, fully independently of the tractor height.
- The medium-sized mowing unit, DISCO or CORTO, offers all the familiar and proven advantages of CLASS front mowers.
- Clean cut at all times across the entire working width.
- Gentle on the grass stubble.
- Less crop contamination means high-quality forage.

Easy adjustment to ground pressure

The quick-adjustment mechanism can be used to adapt the tension of the discharging springs in three positions to the conditions of the field.

- Easy adjustment without the need for tools.
- Correct adjustment of the lower linkage height using the red markings for optimum ground height and suspension.



DISCO 8550 / 8550 C

DISCO 8550 and 8550 C – Packs a punch and is cost-effective



Focusing on flexibility

The DISCO 8550 can be used in either a front-rear combination or for tractors with a reverse drive cab.

Front-rear combination:

- Available on all large tractors with a front power take-off shaft.
- Simple handling and good weight distribution.

Option with reverse drive cab:

- Self-propelled-style overview of the mower.

Individual lifting function

The control terminal enables you to preselect the function and activate it using the tractor controls.

- Headlands are cleanly cut using the mowing units' standard individual lifting function.

The effective spring loaded claw clutch for the outrigger mowing units on the DISCO 8550/8550 C has proven itself in heavy-duty situations, as illustrated here.





Speed monitoring

On the DISCO 8550 C and the driven version of the DISCO 8550, the driver is alerted to a drop in the speed of the mowing unit by means of an audible and visual signal.

- Control all three mowing units using the speed monitoring function on the powertrain of the conditioner machines.
- Exploitation of the full power of the machine without interrupting the powertrain with unnecessary and uncontrolled loads.

Compact for travel

- All of the mowing units can be hydraulically positioned from the cab.
- Low travel height.
- Foldable protective covers for small transport dimensions and good accessibility for any maintenance work.
- A good overview with both variations.
- Automatic locking for road travel.



Getting the most from the conveyor

You'd like to achieve optimum efficiency by streamlining the swathing operation. Or maybe you need to harvest whole crop silage for forage or create biomass for biogas plants. Perhaps you'd like to work with maximum flexibility to match your harvesting conditions with swathing, spreading or triple swath deposits? If so, then the DISCO 8550 AS is perfect for you. Whatever the conditions, being able to deposit all 8 m of conditioned crop in a single swath opens up a whole new range of possibilities.

- Ultra-wide continuous conveyors made from robust material and featuring plastic slats (for optimum conveying) throughout.
- Secure crop feed thanks to lateral guide rails.
- Simple conveyor speed adjustment according to the nature of the forage via a separate terminal.
- Swath width can be varied by repositioning the conveyor units.
- Cover between the conditioner and conveyor belt to ensure loss-free feeding of the mowed material.

Maximum flexibility and functional safety

- Simple and convenient to operate from the cab via the CLAAS Control Terminal.
- In the interests of high operational safety, the conveyor units are driven independently of the tractor by means of a separate hydraulic system.

Individual lifting and speed monitoring

As with all DISCO 8550 models, you control and monitor the entire mower using the Control Terminal. The conveyor speed is regulated separately via a different terminal.

Mowing without the conveyors is possible at any time without the need for complex refitting. Alternatively, the conveyor can be detached completely to enable you to mow in the conventional manner using the DISCO 8550 C with crop spreader as standard.



DISCO 8550 AS – Ultra flexible



90cm x 220cm and continuous.
Two textile layers are used to reinforce the
wide conveyor belt.

DISCO 8550 AS

DISCO 8550 C and XERION – A powerful combination





A perfect team

The combination of the power of the DISCO 8550 C and the convenience of the XERION makes for high performance levels and, what's more, a fun driving experience. Mowing with a three-in-one combination can make things so easy.

Impressive features

- Four equal sized wheels for a maximum contact patch while remaining gentle on the ground.
- Maximum manoeuvrability thanks to 4-wheel steering with varying steering combinations and all-wheel drive.
- Spacious, comfortably equipped cab with perfect all-round visibility of all mowing units.
- Rotating cab for optimum seating position when in reverse drive mode.
- Intuitive and easy operation.



DISCO 8550 C
with XERION



DISCO 8700 C – King-sized mowers

Professional

For farmers and farm contractors who want to get even more out of their existing choppers in addition to whole crop silage and maize harvesting and make more effective use of the limited forage harvesting window both in terms of time and money, CLAAS has introduced the DISCO 8700 C with a working width of 8.5 m and a conditioner as standard. Combining the JAGUAR 's powerful features with flawless mowing technology brings impressive results when forage harvesting.

Best possible working conditions

Mowing on a large scale brings out the best in the JAGUAR. The driver is comfortably seated with a clear view of all three mowing units and the full working width. You can calmly keep an eye on things and, if necessary, make any corrections quickly.



DISCO 8700 C for JAGUAR Type 491 and Type 492 - the powerful mowing alternative.

DISCO 8700 C

DISCO 8700 C – Fingertip control



Perfectly under control

The multifunction lever gives the driver control over all of the main functions: changeover from working to raised position, set-up of the suspension, lifting on headlands, individual outrigger mowing unit raising. The control terminal also houses the rpm gauge.

Adjustable ground pressure

The suspension of each individual mowing unit can be regulated hydropneumatically using the control terminal and checked from the cab using three pressure gauges.



The two outer mowers automatically fold back when the hydraulic collision protection device is activated by an obstacle.

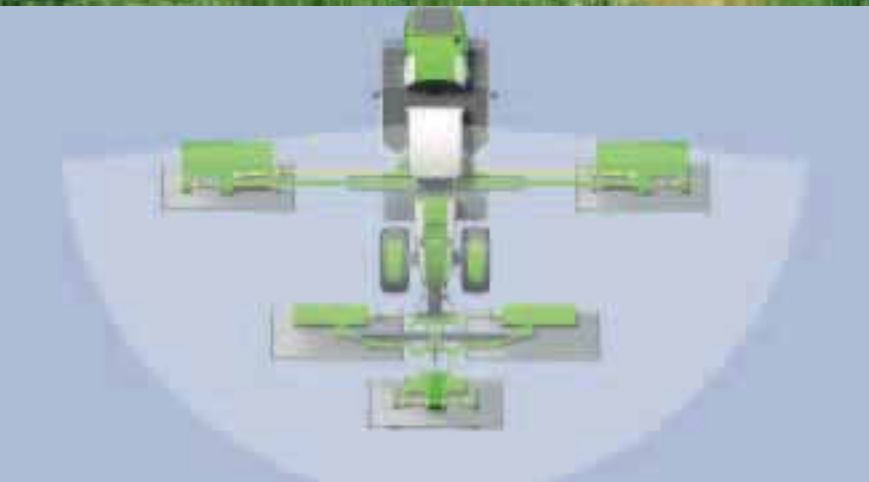




Perfect mowing

- Rugged design.
- Tough and reliable drive for a long life and high output.
- Power flows evenly to all the mowing units from the centre drive.
- Mowing unit speed monitoring as standard.
- Top crop quality thanks to hydropneumatic suspension of the mowing units.
- All main functions fingertip controlled via the multifunction lever.
- Clear overview.
- Compact transport position.
- Fully hydraulic switching from working to transport position and vice versa.
- A large fuel tank allows you to work longer without stopping.
- Optimum manoeuvrability.
- Big wheels mean low pressure.
- Optimum traction and stability on slopes thanks to mechanical 4 wheel drive.

DISCO 8700 C



Four ultra-wide tyres of equal size with a large diameter help preserve the sward using every trick in the book. The following tyre options are available: 800/65 R32, 800/60 R34, 900/55 R32 and 1050/50 R32.



COUGAR 1400 – World record in mower width

A new dimension in performance

Nowadays more and more emphasis is being placed on the fast and efficient harvesting of grass silage, coupled with high forage quality. An important element here is mowing at the right time. Because there is an increasing tendency for forage harvesting to be outsourced, a high degree of mowing power is required.

Until now, the working width has been limited to a little over 9 m, but CLAAS has changed all that by introducing a width of 14 m, thereby establishing a new class in terms of performance.

Superior ergonomics

- Rotating, air-suspended cab for optimum visibility when working and during transport.
- Ideal seating position for perfect visibility of all five mowing units.
- The multifunction lever ensures fatigue-free operation of the machine throughout the entire working day.

Effortless adaptation to ground contours

The mower's hydropneumatic suspension ensures optimum ground pressure, regardless of vehicle height, and reduces mechanical wear to a minimum.

Exceptionally agile

Thanks to its four-wheel steering, the COUGAR is extremely agile and manoeuvrable. You will make light work of tight corners and slopes, whilst preserving the soil and enjoying a high degree of directional stability.

Full speed ahead

A high transport speed of 40 km/h reduces the amount of time spent on the road and increases cost-effectiveness by fully exploiting the harvesting time available.



COUGAR 1400



We're there wherever you need us

You can be confident that we will supply your farm with the necessary spare parts at any time. Our spare parts store delivers all ORIGINAL CLAAS parts quickly and reliably throughout the world. An extensive network of CLAAS partners guarantees that parts will reach you quickly, wherever you are.

Synonymous with service

You can be sure of the professionalism and reliability of our FIRST CLAAS SERVICE® teams at every stage of the game. We have CLAAS importers and sales partners around the world working 24-seven to provide you with spare parts when you need them as well as customer service you can rely on.

Speaking the same language

CLAAS sales partners include some of the foremost agricultural engineering companies world-wide. Our partners are superbly trained and suitably equipped, highly familiar with the way you work and understand your expectations when it comes to competence and reliability.





A good partner
never lets you
Down

Whatever time
of day or night



FIRST CLAAS SERVICE®

DISCO.

		DISCO 2650/2650C	DISCO 2650 RC	DISCO 3050/3050C	DISCO 3450
Mounting position		Rear mounting	Rear mounting	Rear mounting	Rear mounting
Working width	m (DIN)	2.60	2.60	3.00	3.40
Travel width	m	–	–	–	–
Travel length	m	–	–	–	–
Permissible transport speed	km/h	–	–	–	–
PTO shaft speed	rpm	540/1000	540	540/1000	540 ⁽⁵⁾ /1000
Discs	No.	6	6	7	8
Blades per disc	No.	2	2	2	2
Blade dimensions	mm	115 x 48 x 4	115 x 48 x 4	115 x 48 x 4	115 x 48 x 4
Blade attachment, bolted			•	–	•
Quick blade change "Plus"			•	•	•
Cutting height	mm, approx.	40	40	40	40
Adjustment range	mm, approx.	30–70	30–70	30–70	30–70
With additional runners	mm, approx.	+ 30	+ 30	+ 30	+ 30
Swath width ⁽¹⁾					
without conditioner					
without outside swathing disc	mm, approx.	–	–	–	–
Ave. swath width	mm, approx.	1400	–	1800	2500
with conditioner	mm, approx.	1200–1800	1200–1800	1600–2200	–
with overlaid swaths	mm, approx.	–	–	–	–
Cross conveyor dimensions	mm, approx.	–	–	–	–
Conditioner speed	rpm	936	936	936	–
Tyres	–	–	–	–	–
Weight	kg, approx.	640	–	710	800
with conditioner	kg, approx.	940	1050	1160	–
Crop spreader cowl		•	–	•	–
Power requirement	from kW/hp	33/45	–	40/55	51/70
with conditioner	from kW/hp	40/55	40/55	51/70	–
Mounting Contour	Category	II	II	II	II
slope range	degrees	- 20°/+ 35°	- 20°/+ 35°	- 20°/+ 35° - 20°/+ 35°	–
Hydraulic control devices		single-acting	single-acting	single-acting	single-acting

⁽¹⁾ The DISCO models without a conditioner, may come equipped with adjustable swathing plate or swathing discs as standard equipment or as options, depending on the model.

⁽²⁾ Working width incl. 3100 F PROFIL or 3050 FC; 8.30 m only possible in pushed version with conditioner

⁽³⁾ without front mower attachment

⁽⁴⁾ Speed change by conversion requires approximately 1 hour

⁽⁵⁾ only USA and CIS

CLAAS constantly strives to deliver products that meet practical requirements. Thus, all products are subject to changes. Figures and illustrations are approximate and may also refer to optional extras that are not delivered as standard. This brochure has been printed for global use. Please refer to the specifications price list of your local CLAAS dealer. Protective guards may have been removed for photographic purposes in order to illustrate functionality more clearly. All machinery complies with current machine guidelines and regulations.

DISCO 2700 CONTOUR	DISCO 3100 CONTOUR	DISCO 3500 CONTOUR	DISCO 3100 F PROFIL	DISCO 3050 FC	DISCO 3050 TC	DISCO 3050 TRC	DISCO 3050 AS
Rear mounting	Rear mounting	Rear mounting	front mounting	front mounting	trailed	trailed	trailed
2.60	3.00	3.40	3.00	3.00	3.00	3.00	3.00
-	-	-	3.00	3.00	3.00	3.00	3.00
-	-	-	-	-	6.20	6.20	6.20
-	-	-	-	-	40	40	40
1000	1000	1000	1000	1000	1000/540 ⁽⁴⁾	1000/540 ⁽⁴⁾	1000/540 ⁽⁴⁾
6	7	8	7	7	7	7	7
2	2	2	2	2	2	2	2
115 x 48 x 4	115 x 48 x 4	115 x 48 x 4	115 x 48 x 4	115 x 48 x 4	115 x 48 x 4	115 x 48 x 4	115 x 48 x 4
-	-	-	-	•	•	-	-
•	•	•	•	•	•	•	•
40	40	40	40	40	40	40	40
30-70	30-70	30-70	30-70	30-70	30-70	30-70	30-70
+ 30	+ 30	+ 30	+ 30	+ 30	+ 30	+ 30	+ 30
1700	2100	2800	-	-	-	-	-
1400	1800	2500	1600-2000	-	-	-	-
-	-	-	-	960-1700	1300-2000	1400-1800	1400-1800
-	-	-	-	1300-2000	-	-	1600-2200
-	-	-	-	-	-	-	1600-2500
-	-	-	-	-	-	-	900 x 2200
-	-	-	-	950/720	900/770	1033	1033
-	-	-	-	11.5/80-15.3 8 PR	11.5/80-15.3 8 PR	350/50-16 12 PR	11.5/80-15.3 8 PR
770	830	910	700	690	-	-	-
-	-	-	-	880	1750	1900	2050
-	-	-	-	Optional	Optional	-	Optional
37/50	45/60	51/70	40/55	40/55	-	-	-
-	-	-	-	51/70	51/70	51/70	51/70
II	II	II	II	II	II	II	II
-	-	-	-	-	-	-	-
1xdouble-acting with floating position (+ 1x single-acting)	1xdouble-acting stellung (+ 1x single- acting)	1xdouble-acting stellung (+ 1x single- acting)	-	-	1xsingle-acting + 1xdouble- acting	1xsingle-acting + 1xdouble- acting	2xsingle-acting + 1xdouble- acting

DISCO 3050 TC FLAPGROUPER	DISCO 8550/8550 C	DISCO 8550 AS	DISCO 8700 C
trailed	front/rear mounting or pushed	front/rear mounting	chopper mounting
3.00	8.00/8.30 ⁽²⁾	8.00	8.50
3.00	3.00	3.00	3.00
6.20	–	–	–
40	–	–	–
1000/540 ⁽⁴⁾	1000	1000	–
7	2 x 7	2 x 7	3 x 7
2	2	2	2
115 x 48 x 4	115 x 48 x 4	115 x 48 x 4	115 x 48 x 4
–	–	•	–
•	•	•	•
40	40	40	40
30–70	30–70	30–70	30–70
+ 30	+ 30	+ 30	+ 30
–	–	–	–
–	2x1800	–	–
–	1x1200–1600	–	–
1600–2200	2x1600–2200	–	960–1700
–	1x960–1700	–	per unit
3100	–	1800–3000	–
–	–	900 x 2200	–
1033	900/770	1020	950/720
–	–	–	–
–	1920 ⁽³⁾	–	–
1900	2400 ⁽³⁾	3300 ⁽³⁾	3800
–	Optional	Standard	Standard
–	120/150	–	–
51/70	140/190	160/220	–
II	II	II	–
–	–	–	–
1 x single-acting + 1 x double- acting	1 x single-acting	1 x single-acting	1 x double-acting

		COUGAR 1400
Working width	m (DIN)	14.00
Travel width dep. on tyres used		
800/65 R32	m	3.00
900/55 R32	m	3.00
1050/50 R32	m	3.30
Permissible transport speed	km/h	40
Engine	Type	DaimlerChrysler OM 457 LA
Cylinders		R6
Engine output (DIN)	kW/hp	350/480
Capacity	L	12
Fuel tank	L	960
Transmission		Hydrostatic
Mechanical all-wheel drive		•
Discs	No.	5 x 7
Blades per disc	No.	2
Blade dimensions	mm	115 x 48 x 4
Blade attachment		Quick blade change
Cutting height	mm, approx.	40
Adjustment range	mm, approx.	30–70
with additional runners	mm, approx.	+ 30
Conditioner speed	U/min.	900/770
Cabin with air conditioning		•





CLAAS UK
Saxham
Bury St. Edmunds
Suffolk
IP28 6QZ
Tel: 01284 763100
www.claas.co.uk
info-uk@claas.com

08/06 (Be) englisch 20