FELLA

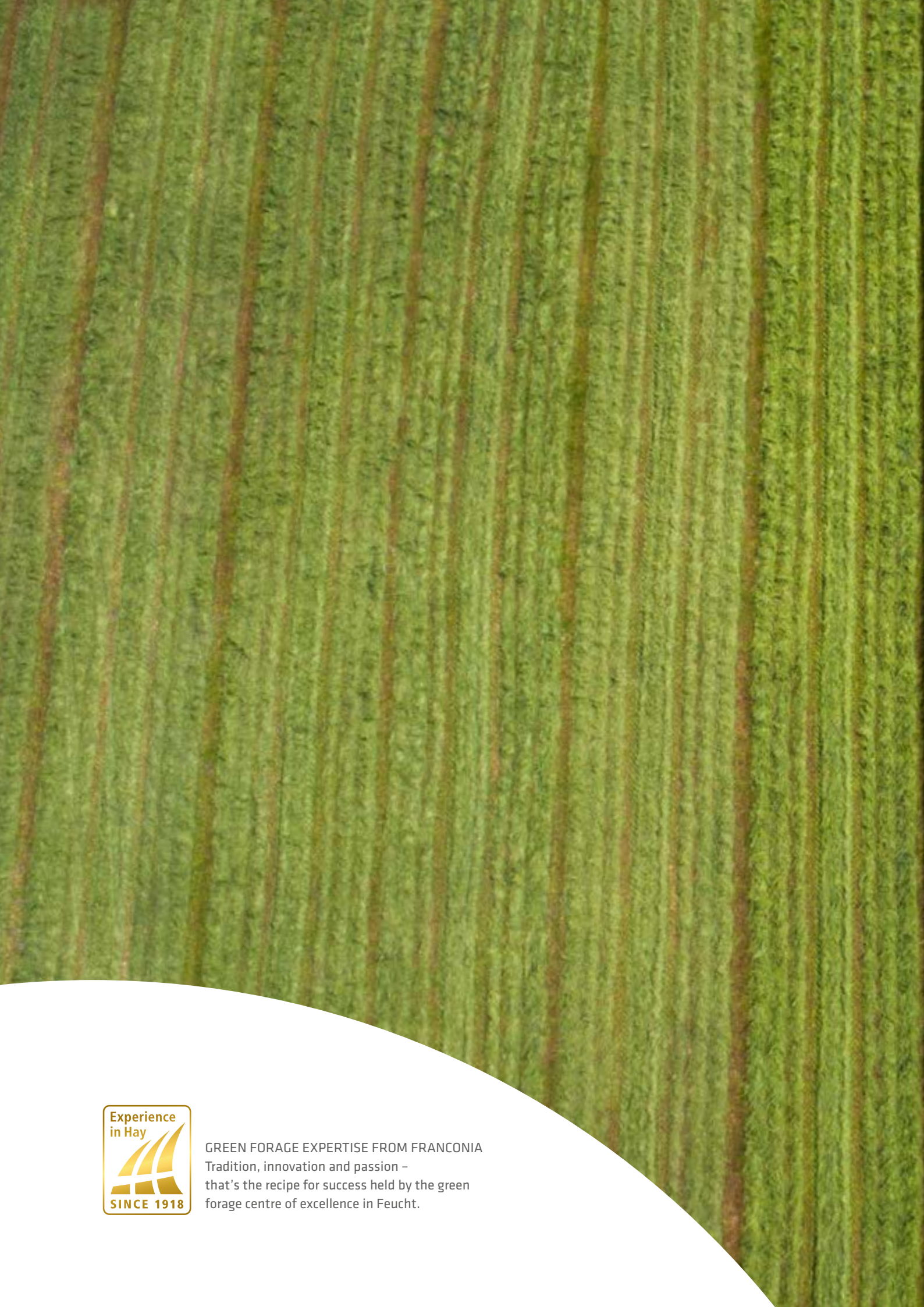
RAMOS

Disc mowers

Harvesting energy.

Experience in Hay
SINCE 1918

A worried glance at the sky.
Black clouds are drawing in.
The clock is ticking.
It will be pouring in less than an hour.
The pleasant, sunny days are gone.
And the work is done.
For the harvest is already saved.



GREEN FORAGE EXPERTISE FROM FRANCONIA
Tradition, innovation and passion –
that's the recipe for success held by the green
forage centre of excellence in Feucht.

We at FELLA understand: There's a very small window for harvesting. And everything has to be just right, everything has to run like clockwork. No field is too large for our mowers, no meadow too undulating and no task to tough.

Our wide range of machines allow us to play a part in these crucial days of the year.
We're proud of this. For your history is our history.

FELLA

Harvesting energy.

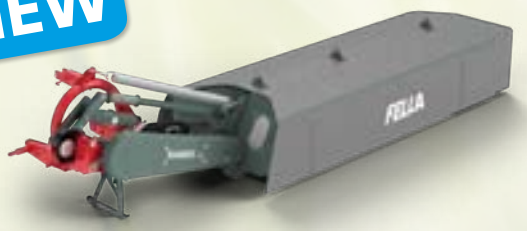
RAMOS front-mounted mowers

ALPINE ..... **Page 20**
- Specially developed for use on alpine terrain
- Swinging hitch attachment
- Mowing on sloping terrain without loss of forage
- Working widths of 2.05 m and 2.50 m

OSCILLATING LINKAGE ..... **Page 22**
- The all-rounders of the front-mounted mowers
- Large pivot travel
- Available in many variants
- Working width of 3.00 m

HEADSTOCK WITH TRAILING LINKAGE ..... **Page 24**
- Perfect for operating in mower combinations
- Lateral movement for harvesting without losses
- Three-dimensional sensing of the ground contours
- Working width of 3.00 m

NEW



NEW

RAMOS rear-mounted mowers

SIDE ATTACHMENT FOR SMALLER TRACTORS ..... **Page 28**
- With or without inner skid
- Spring relief as standard
- Working widths of 1.66–2.82 m

SIDE ATTACHMENT FOR THE MEDIUM POWER CLASS ..... **Page 30**
- Controlled kinematic lifting mechanisms
- Ease of handling
- Working widths of 2.05–3.50 m

MIDDLE ATTACHMENT ..... **Page 32**
- Efficient rear-mounted mowers with and without conditioner
- Floating cut with the TurboLift cutter bar suspension system
- Very user friendly
- Working widths of 2.60–4.50 m

Many challenges, one solution.

Optimum cutting results with robust construction and large working widths: The FELLA disc mowers represent cost-effectiveness, efficiency and the best results when harvesting forage.

FELLA helps you achieve high-quality forage.
Harvesting energy with FELLA.

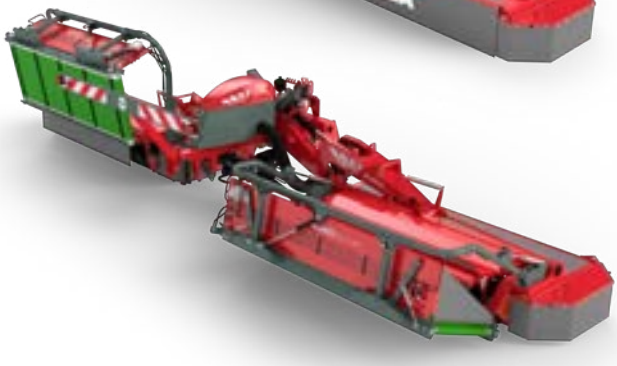
RAMOS mower combinations

WITHOUT ISOBUS Page 40

- Perfect for use on large farms and for contractors
- Powerful alternatives to self-propelled machines
- Extremely low-drag and cost-effective
- Working widths of 8.30 m and 9.30 m

WITH ISOBUS Page 42

- Low-lying conveyor belt with lateral movement and speed setting
- Full automation of work processes
- Working widths of 8.30 m and 9.30 m



RAMOS trailed mowers

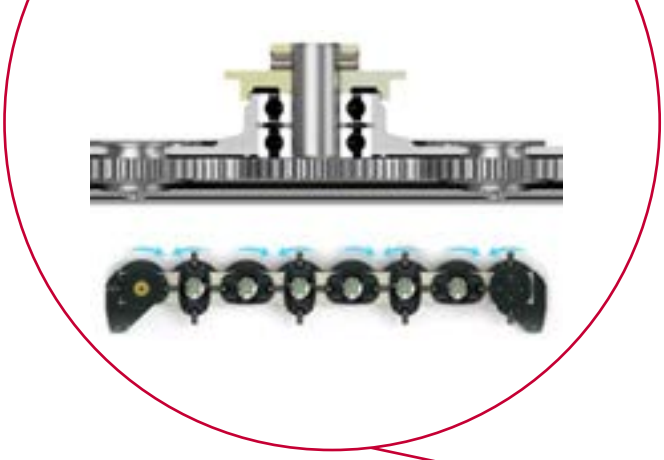
TRANSPORT CHASSIS Page 46

- Centrally pivoted drawbar
- User-friendly and flexible
- Working widths of 3.00 m and 3.50 m

TAURUS conditioner for three-point attachment

Page 52

- Integrated tine-rotor conditioner
- Shortened fermentation process
- Higher quality of forage

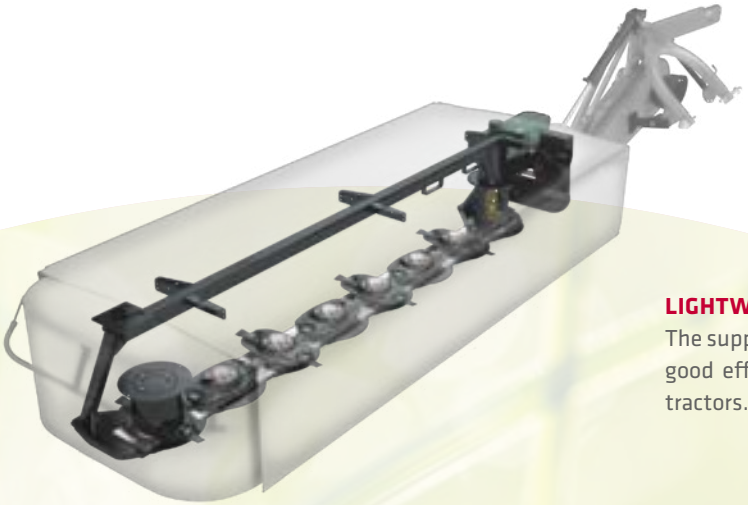


AN EXACT CUT EVEN UNDER DIFFICULT CONDITIONS

Thanks to the extremely flat cutter bar with mower discs which run in pairs, a deeper, more uniform cut is possible. With elliptical discs and robust conveyor drums, it is possible to achieve a clean cutting pattern and good forage throughput even on difficult terrain.

VERY LOW RISK OF WEAR

The cutter bar is bolted in place and easy to repair, with all components mounted in the base plate and bolted cover plate. The standard stone guard and large, hardened skids extend the service life.



LIGHTWEIGHT AND ROBUST

The support frame is very lightweight but still robust and enables a very good effort (hp) to yield (ground coverage) ratio, especially for small tractors.

RAMOS spur gear drive

Low weight – highly efficient.

FELLA mowers with a spur gear drive are impressive thanks to their lightweight design and ease of handling. They are simple to attach and, because the working position can be hydraulically switched over to the transport position from the tractor seat, they are ready for use extremely quickly. Working widths of more than 3.0 m can be achieved and yield can be maximised, even with smaller tractors.

DRIVE PROTECTED

Clamping/shear pins in the bearing flange of each mower disc protect the drive if an obstruction is encountered when driving.

RELIABLY DRIVEN

The elastic drive, which uses a large V-belt and flanged belt pulleys, continually transfers the power reliably by means of an automatic tensioner and protects the mower components against overloading.

LOAD RELIEF AS STANDARD

The mechanical spring relief has a very quick response rate when working and ensures extremely good ground contour following of the cutter bar, protection of the sward and, therefore, neat and high-quality forage.

RAMOS compact angular gear

Low power demand – huge area output.

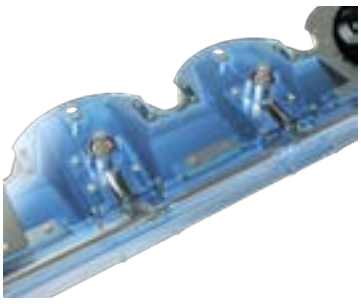
FELLA mowers with compact angular gears are designed to provide maximum performance while remaining cost-effective in all regions and under all harvesting conditions. The design of the mower units features an impressive mix of stability and flexibility. They have particularly low power loss thanks to their special drive system, and they feature high ground coverage and a low power demand.

PERFECT CUTTING PATTERN

The large mower disc overcut is positioned well towards the front of the mower discs and provides an ideal cutting action. To achieve this, FELLA mowers use large mower discs, which raise forage thanks to their special shape – an important aspect, particularly for heavy material lying on the ground. A further advantage of the FELLA large discs is their excellent conveying effect. This guarantees that forage is deposited ideally and loss of forage is kept to a minimum.

THE BACKBONE OF ANY MOWER

The cutter bar is supported and guided by the support frame. This is manufactured from high-quality, warp-resistant steel and is designed for extremely heavy loads. The FELLA design is particularly characterised by sturdiness and durability.

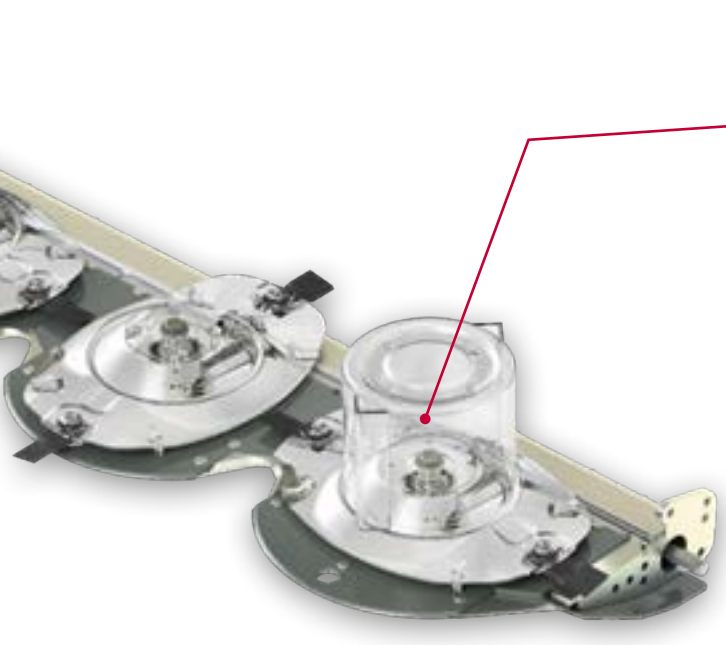


EASY-TO-ASSEMBLE CUTTER BAR DESIGN FOR HIGHER LEVELS OF COST-EFFECTIVENESS

Thanks to the bolted construction of the cutter bar and gearbox components, the assembly and replacement of individual parts is extremely user-friendly. In addition, the cutter bar requires very little maintenance thanks to its lifetime oil filling and straightforward lubrication.

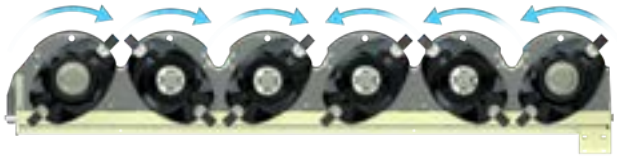
HIGHEST-QUALITY FORAGE

The streamlined design with profiled base and hardened skids guarantees maximum forage quality. This enables the soil to be cleanly separated from the forage and to flow away under the cutter bar, even during field forage harvesting in poor conditions or on wetlands. The raw ash content in forage is reduced to a minimum and the sward is protected.

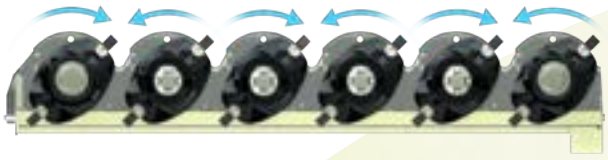


MAXIMUM LONG-TERM PERFORMANCE

The indirect drive, which uses a large-dimensioned hexagonal shaft and the robust angle drive, results in uniform power output across all mower discs and the smoothing of torque peaks. The benefit of this is that the wear and load on all components within the power train is reduced, providing a longer service life. If the mower becomes blocked, the predetermined shear point in the hexagonal shaft interrupts the flow of power between the tractor and the cutter bar – protecting the drive components.



Axial running



Paired running

FLEXIBLE DIRECTION OF ROTATION

Because of the bolted compact angular gearbox, you can specifically adapt the direction of rotation of the individual mower discs to your needs. The mower discs are converted from axial running to paired running by simply switching over two angle drives – all without any additional components.

driveGUARD®

TURNS THINGS AROUND IN EMERGENCIES.

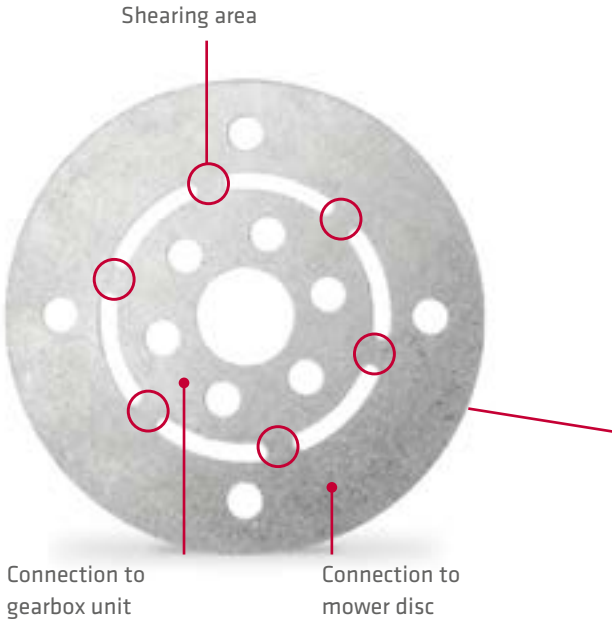
The patented FELLA driveGUARD® provides premium overload protection. It reliably protects the mower and the mower gearbox against damage in the case of foreign objects in the crop flow.

The driveGUARD® overload disc is connected to the power train and the mower disc. If the mower disc is jammed by a foreign object, driveGUARD® shears off at defined breaking points. The connection is interrupted and the mower disc turns freely – as a result, no more forces act on the power train. This prevents damage. The key aspect here is that only the driveGUARD® overload disc must be replaced; this is mounted so that it is easily accessible outside the cutter bar – which is both extremely cost-effective and simple.

- **Cost-effective safety**
- **Protects the entire mower drive**
- **Simple, fast repairs directly on the field**
- **No long downtimes**
- **The cutter bar does not need to be opened to perform a repair**
- **Mower disc remains attached to the cutter bar at all times**

- **Additionally: driveGUARD® can be retrofitted easily to all mowers with a compact angular gear.**

PRECISELY DEFINED SHEAR-OFF TORQUE



Our technology highlights

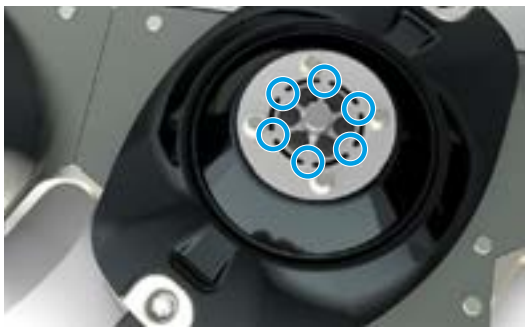
Make all the difference.

SECURELY CONNECTED
The mower disc itself is always screw-fitted with the outer ring of the profile flange. Loss of the mower disc is safely prevented.

INTELLIGENT ATTACHMENT
Because driveGUARD® is positioned outside the cutter bar, it is not necessary to open the cutter bar in order to carry out repairs and the oil supply is not contaminated.

- Repairs can be carried out directly on the field in minutes.
- Only the driveGUARD® disc needs to be replaced – **extremely cost-effective**.

Foreign object in crop flow

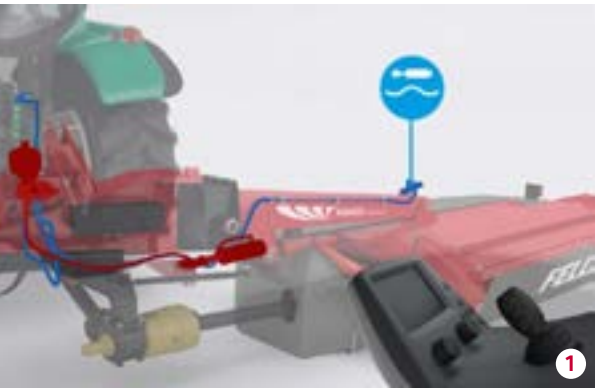


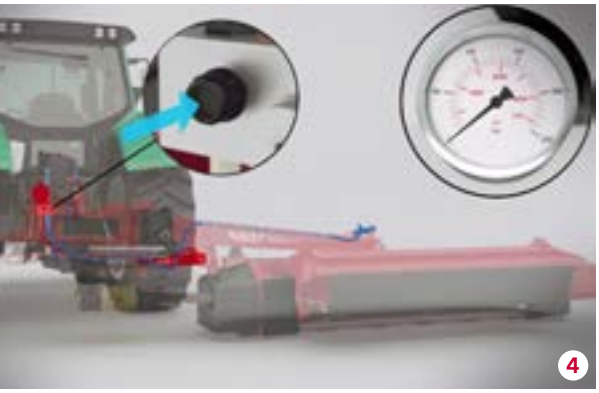
Mower disc is jammed

Overload element shears off – mower disc turns freely – drive is protected

Our technology highlights

Make all the difference.





TurboLift

FREE-FLOATING CUTTING.

The TurboLift cutter bar suspension system from FELLA guarantees continual optimum contact pressure during the entire mowing process. Compact angle mowers with TurboLift function with a “floating cut”, protecting the sward and reducing forage contamination to a minimum. The innovative control device enables quick, easy and continuous adjustment of the contact pressure for a wide variety of operating conditions – even while driving. This provides an enormous advantage in terms of time and quality, particularly when passing over wet areas. The system is automatically calibrated for any headland. In addition, the frame structure and the skids carry less of a load and fuel consumption drops.

- **Continual adjustment of contact pressure**
- **Free-floating cutting**
- **Complete control from the tractor seat – even while driving**
- **Sward protection – very low level of forage contamination**
- **Reduced fuel consumption**

1 TurboLift – the hydropneumatic cutter bar suspension system can easily be controlled from the tractor seat. Constant contact pressure with infinitely variable adjustment, can also be adjusted while driving

2 “Floating cut” for protecting the sward, improved forage quality and little stress on the structure

3 The optimal contact pressure reduces fuel consumption.

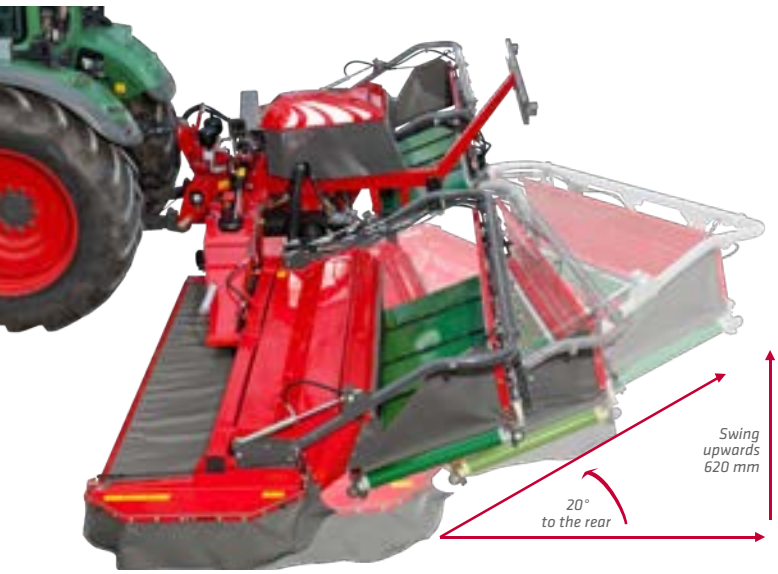
4 Suspension system for the parking position, available at the press of a button. Optimal pressure is automatically produced when attaching.

ComfortChange

STAYS SHARP – WITHOUT A BREAK.

The FELLA ComfortChange quick blade change system enables you to change the blades quickly and easily, when required. The blade key is all you need to change the blades. It can be secured so that you have both hands free. With ComfortChange, the blade is automatically locked in place and reliably secured. ComfortChange reduces the usual maintenance times considerably. This saves you both time and money.

- **Straightforward blade change**
- **No tools required**



SafetySwing

SWINGING INTO ACTION.

The patented SafetySwing impact guard provides optimum safety on any field and reliably protects your machine from damage caused by hitting obstructions. If the mower encounters an obstacle, it will fold back and away and then automatically return to its original position under its own weight. Each mower unit is protected separately and can therefore separately swing out of the way.

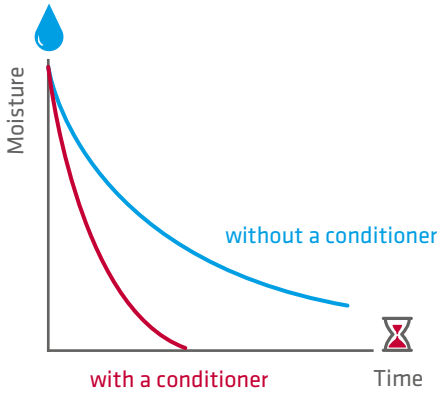
Another special feature of the SafetySwing is that the pivot point of the mower unit is positioned exactly in the centre of the three-point headstock and therefore guarantees the maximum possible leverage. As a result, the mechanism is activated even if you hit an obstacle with one of the inner mower discs.

- **Secures every mower unit when an obstacle is hit**
- **Independently realigns itself to the working position**

Why choose a conditioner?

GUARANTEEING YOUR HIGH-QUALITY FORAGE.

The mower-conditioner combination shortens the natural fermentation process of the mowed forage by hours. The wax layer on the forage is rubbed off and a loose, lightly packed swath is deposited. Moisture loss is accelerated through intensive air circulation. This not only has a positive effect on your costs but also on the quality of your forage, because it reduces the disintegration losses and forage contamination to a minimum. In unpredictable weather conditions in particular, this gives you a substantial time advantage – the quicker, safer way to your high-quality forage.



- **Standard equipment for many mowers, can be retrofitted to some other models**
- **Shortened fermentation process**
- **Disintegration losses and forage contamination are reduced to a minimum**
- **Decisive advantage in adverse weather conditions**
- **Lower costs**
- **Higher quality of forage**

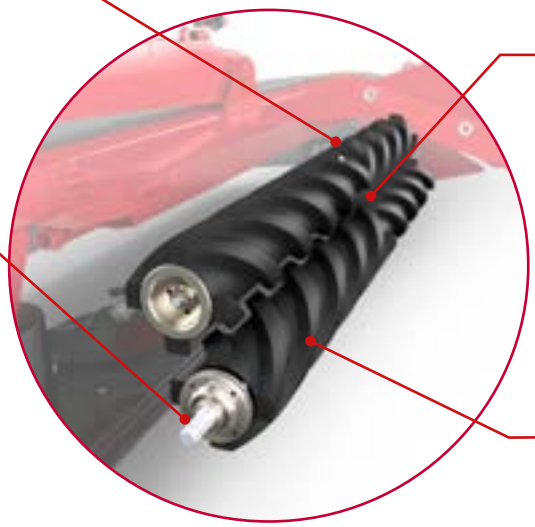
Roller conditioner

HAS AN IMPORTANT ROLE.

With two robust interlocking rubber profile elements for intensive but gentle preparation of legumes or other leafy forage. The hard stalks are squeezed through the rubber rolls and the delicate, nutrient-rich leaves are conserved.

A spring-loaded foreign body protection is fitted as standard in the conditioner.

The conditioner is driven using universal joints and is secured against overload using a shear bolt – a simple, but reliable drive concept.



The contact pressure of the rubber profile elements can be variably adjusted to various forage and weather conditions.

If they are worn or damaged, the rubber elements on the shaft can be individually replaced.

The FELLA conditioner principle

The quicker way to better forage.

Tine-rotor conditioner

ONE WAVELENGTH AHEAD.

The spring tine rotor and the multi-position adjustable conditioning comb produce a wavy forage structure which is permeable to air, the result of a number of interacting tools which open the top layer of the leaves, thus facilitating the drainage of water.

The super C flexible tines are fitted as standard with loss protection and they are extremely resistant to foreign objects in the forage.

The conditioner is driven using universal joints and is secured against overload using a shear bolt – a simple, but reliable drive concept.

Due to the preparation intensity, which can be easily adjusted using a counter-comb, a costly adjustment to the speed using a separate gearbox is not necessary. This reduces the weight and maintenance effort and therefore saves you money.

RAMOS FRONT-MOUNTED MOWERS

Always one cut ahead.

Front-mounted Alpine

At home in the mountains.

- Working widths of 2.05 m and 2.50 m
- Compact angular gear
- Specially developed for use on alpine terrain
- Mowing on sloping terrain without loss of forage
- Excellent track stability
- Foldable side guard for narrow-width road travel
- No hydraulic connection needed

To also meet the high demands of farmers in alpine regions, FELLA has developed the RAMOS 200 series disc mowers. These are unique with their short, compact linkage. The centre of gravity lies close to the tractor and this leads to very good track stability on sloping terrain.

RAMOS 210 FK
RAMOS 260 FK

Front-mounted compact linkage

Extremely short linkage directly on the lower link of the alpine tractors

RAMOS 260 FP

Front-mounted oscillating linkage

Compact linkage using a Weiste triangle on standard tractors

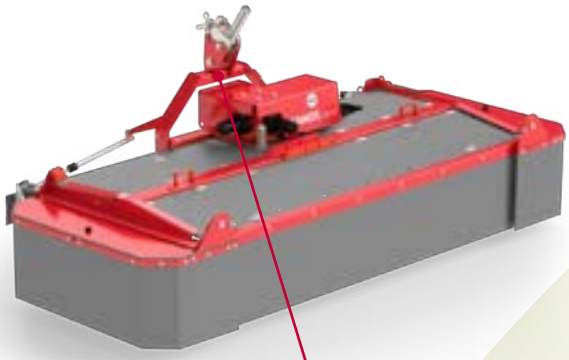
RAMOS 210 FK-S

Compact linkage with lateral movement for optimal mowing on sloping terrain

RAMOS 260 FP-S

Oscillating linkage with lateral movement for optimal mowing on sloping terrain

With the RAMOS 210 FK-S and RAMOS 260 FP-S mowers, you can also mow on the steepest alpine terrain or in the hillside line without loss of forage – thanks to the option to move the mower by up to 12 cm (RAMOS 210 FK-S) or 21 cm (RAMOS 260 FP-S) to the left or right.



ADDITIONALLY:

With the combined use of a front-mounted mower and the TAURUS 275 D or TAURUS 285 D rear-mounted conditioner, you can achieve the highest possible level of efficiency when harvesting forage on alpine terrain.

ACCESSORIES

- Additional skids for greater cutting heights and as wear protection for stony and sandy ground
- Mower discs with conveyor vanes for optimal transport of the forage to the conditioner
- driveGUARD® retrofit kit (RAMOS 210 FK + FK-S)

PROTECTION AGAINST COLLISION DAMAGE

The spring-loaded impact guard on FK models protects the mower in the event of a collision with an obstacle.

*Equipment variant

1

3

2

4

PERFECT MOWING ON SLOPING TERRAIN

1 Mechanical (FK-S) or hydraulic (FP-S) lateral movement (here: RAMOS 260 FP-S)

STABILITY ON SLOPES

2 Due to the short linkage, the centre of gravity lies close to the tractor (here: RAMOS 210 FK)

ADAPTABLE

3 With a pivot travel of +/– 4.5° for the FP version and +/– 9° for the FK version, the mowers adapt to uneven ground.

SWATH FORMATION ON SLOPES

4 The four centrally running mower discs allow a very good, uniform swath positioning even on sloping terrain, yet still require no additional guiding equipment.

Front-mounted Oscillating linkage

Mow your own way.

- Working width of 3.00 m
- Compact angular gear
- Low stress thanks to compact linkage
- Little forage contamination thanks to good ground adaptation
- Uniform swath positioning thanks to symmetrical number of mowing discs
- Sophisticated design and many features designed for increased convenience
- High level of driving safety thanks to spring-centring system
- Low contact pressure thanks to mechanical spring relief
- Quick, easy assembly thanks to Weiste triangle
- No hydraulic connection required

RAMOS 3060 FP

Front-mounted oscillating linkage

Due to the compact linkage on the FP mower, the centre of gravity lies very close to the tractor, resulting in a low load for the tractor and machine. The integrated spring-centring system reliably prevents rocking even when driving quickly on roads.

RAMOS 3060 FP-SL

Optimum swath gathering

This swather variant with cam-controlled feed tines ensures swaths are deposited in defined, compact lines (< 1.10 m depending on type of forage and crop). The feed tines deposit a precisely shaped, lightly packed swath which is suitable for all pick-up widths.

RAMOS 3060 FP-KC

Tine-rotor conditioner

RAMOS 3060 FP-RC

Roller conditioners

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated.

PRACTICAL

Replacement blades and the quick-change blade system tool are always close at hand

PULLING IS EASIER THAN PUSHING

The trailed hitch attachment reduces fuel consumption and ensures low loads on the machine and tractor.

ACCESSORIES

- Swath disc for operating without a conditioner for depositing an even narrower swath
- Mower disc with conveyor vane for optimal transport of the forage to the conditioner
- Stone guard for version with roller conditioner
- Hydraulic folding system for the side guard

CONVENIENT TRANSPORT

Adherence to the 3.00 m transport width thanks to folding safety equipment (with optional hydraulic operation)

FOLLOWS THE GROUND CONTOURS

1 The swinging axle mounted at the centre of gravity ensures optimal ground adaptation (+/– 6.5°), low contact pressure and a high level of driving safety.

RAMOS 3060 FP-SL

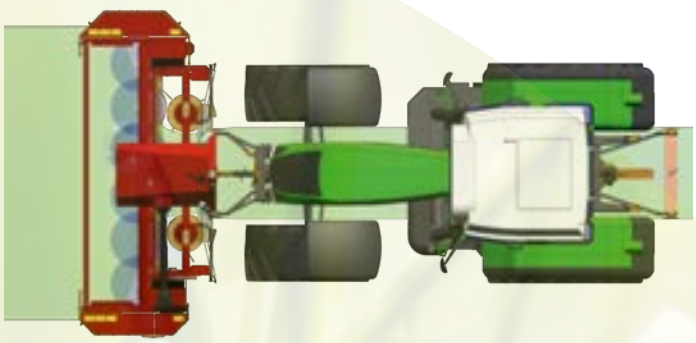
2 The defined swath positioning is particularly suitable for use with a loading wagon. The forage is deposited between the tractor tyres in order to avoid driving over it.

RAMOS 310 FP-K

Shorter front-mounted oscillating linkage

The extremely compact linkage ensures perfect ground adaptation and, since the centre of gravity is close to the tractor, even driving with light tractors is possible.

1



2

Front-mounted
Headstock with trailing linkage

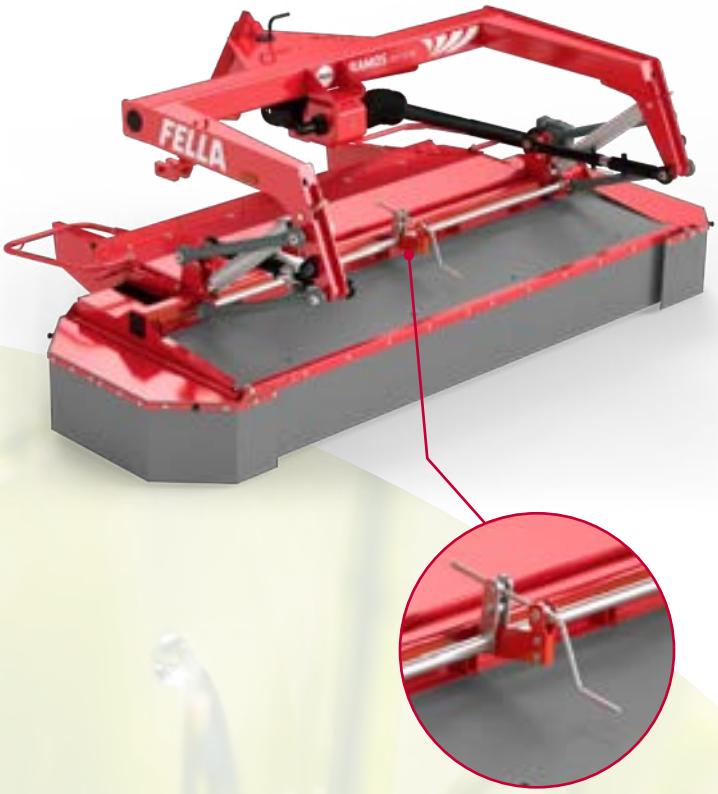
Always stays on the ground.

- Working width of 3.00 m
- Compact angular gear
- Three-dimensional ground adaptation thanks to large pivot travel in longitudinal direction and in the direction of travel
- Extremely low-drag and fuel-efficient thanks to the trailed suspension mounting
- Infinitely adjustable cutting height
- Adjustable contact pressure
- Perfect for operating in mower combinations due to lateral movement
- Optimal forward visibility thanks to widely-spaced attachment points
- Additional spring relief for low contact pressure

RAMOS 310 FZ

Front-mounted headstock with floating trailing linkage

The RAMOS 310 FZ front-mounted mower offers you the largest possible pivot travel, ensuring outstanding ground adaptation, even under the most difficult harvesting conditions. The three-dimensional sensing of the ground contours allows you to mow an extremely wide range of materials without any losses. This machine is commendable due to its ability to move laterally, especially when used with mower combinations – even when working on slopes or when turning around corners, no blade of grass is left standing.



RAMOS 310 FZ-KC

Tine-rotor conditioner

RAMOS 310 FZ-RC

Roller conditioner

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated. This gives you a decisive time advantage, particularly in unpredictable weather conditions.

ACCESSORIES

- Hydraulic lateral movement for adjusting the width of the track up to 20 cm to the left and right
- Stone guard for RC model
- Spreader device for KC model

USER-FRIENDLY

The working height can be infinitely and conveniently adjusted by a central crank. As a result, you can adjust the machine to changing working conditions.

THREE-DIMENSIONAL SENSING OF THE GROUND CONTOURS
The cutter bar pick-up at the outermost points of the support frame, which is located at the top, enables a very large pivot travel. (1)
Together with adjustment in longitudinal direction, FZ mowers guarantee optimal ground adaptation, have a low impact on the sward and thus ensure high-quality forage with no loss of forage. (2)

SAFE TRANSPORT
The RAMOS 310 FZ achieves an overall vertical travel range of 480 mm.

Trailed behind – not left behind.

RAMOS REAR-MOUNTED MOWERS

Three-point attachment Side attachement

Big performance for small tractors.

- Working widths of 1.66–2.82 m
- Spur gear drive with inner skid
- All drive elements run in an oil bath
- Elastic V-belt drive with automatic V-belt tension protects the mower
- Cutter bar equipped with stone guard and large hardened skid as standard for a longer service life
- Tried and tested in a variety of applications

RAMOS 168 InLine
RAMOS 208 InLine
RAMOS 248 InLine
RAMOS 288 InLine

With inner skid

Thanks to their lightweight construction, FELLA disc mowers with inner skids are especially suitable for use with smaller tractors. Their adjustable lower link pins enable them to be fitted to an extremely wide variety of different tractors and tyre widths.

ACCESSORIES

- Quick blade change system for InLine models
- Swath guiding assembly
- Extra swath disc for ISL models

CONVENIENT MAINTENANCE

Excellent ease of access due to protective sheets that can be folded on both sides. Left: RAMOS 248 InLine; Right: RAMOS 2870 ISL

CONSTANT LOAD RELIEF

The standard integrated spring relief ensures low ground pressure, thereby protecting the sward.

Three-point attachment
Side attachement

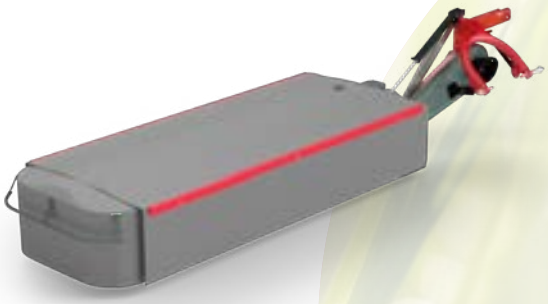
Specialists in extreme conditions.

- Working widths of 2.42–2.82 m
- Spur gear drive without inner skid
- All drive elements run in an oil bath
- Elastic V-belt drive with automatic V-belt tension protects the mower
- Cutter bar equipped with stone guard and large hardened skid as standard for a longer service life
- For demanding applications
- Quick blade change system as standard

RAMOS 2460 ISL
RAMOS 2870 ISL

Without inner skid

FELLA disc mowers from the ISL series have no inner skid and have been specially developed for particularly difficult terrain. Especially in difficult hillside locations, the formation of mounds of forage is avoided using mowers without inner skid. In this way, optimum forage flow and a clean cutting pattern is achieved even under extreme harvesting conditions.



PRECISE CUTTING
An extremely flat cutter bar with mower discs which run in pairs guarantees a clean cutting pattern, even for deep cuts.

ISL – WITHOUT INNER SKID
Drive is provided to the first mower disc directly from above, enabling trouble-free mowing on slopes.

PROTECTION AGAINST COLLISION DAMAGE
Spring-loaded impact guard reliably protects against obstacles.

ADAPTABLE
Adjustable lower link pins enable adjustment for different tractors and tyre sizes.

Three-point attachment
Side attachment

Wide spread.

- Working widths of 2.05–3.50 m
- Mower for medium power class
- Compact angular gear
- Robust support frame
- Mechanical spring relief of the cutter bar
- Excellent ease of access due to protective sheets that can be folded on both sides
- Side hitch attachment – downward ground adaptation possible

Conditioners can be retrofitted

RAMOS 210
RAMOS 270
RAMOS 320
RAMOS 350

Rear-mounted three-point attachment, lateral

These models are rear-mounted mowers with side attachment that are in the medium power class and are available in various versions. Typical features of the machines include the mechanical spring relief and the robust V-belt drive. An impact guard is as much part of standard equipment as the option of having track adaptation on a wide range of tractors.

VERY USER-FRIENDLY

It could not be simpler to attach and remove the mower. The controlled kinematic lifting mechanism ensures that the cutter bar is lifted parallel to the ground at the headland. The machine is easily operated using a single-acting control unit – the position of the three-point hydraulics system remains unchanged. The sturdy mower cover opens widely on both sides allowing optimum access for cleaning and maintenance work.

RAMOS 210 KC
RAMOS 270 KC
RAMOS 320 KC

Tine-rotor conditioner

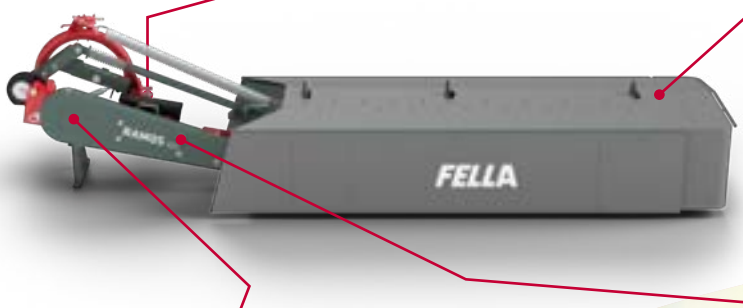
RAMOS 210 RC
RAMOS 270 RC

Roller conditioner

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated. This gives you a decisive time advantage, particularly in unpredictable weather conditions.

PROTECTION AGAINST COLLISION DAMAGE

The spring-loaded impact guard reliably protects against obstacles.



PRACTICAL

Replacement blades and the quick-change blade system tool are always close at hand.

ACCESSORIES

- ComfortChange quick blade change system
- Mower disc with conveyor vane for optimal forage transport
- Additional skids for greater cutting heights and as wear protection for stony and sandy ground
- Two height-adjustable contact wheels for mowing with greater cutting heights
- driveGUARD® retrofit kit
- Conditioner retrofit kit

*Equipment variant

LARGE LIFT TRAVEL

1 The kinematic lifting mechanism prevents the sward from being pierced, thanks to the large lifting height at the headland. Downward ground adaptation is possible through interaction with the side attachment – ideal for mowing on sloping terrain.

COMPACT AND SAFE

2 The horizontal lock close to the tractor guarantees a high level of transport stability and ensures stability even on uneven terrain.

OPTIMAL CROP FLOW

3 The right- and left-hand conveyor drums ensure neat forage harvesting.

CONVENIENT TOOL-FREE MAINTENANCE

Excellent ease of access due to protective sheets that can be folded on both sides.

RELIABLY DRIVEN

The elastic V-belt drive with automatic V-belt tension buffers load peaks and protects the mower.

Three-point attachment
Middle attachment

Free-floating cutting.

- Working widths of 3.00–4.50 m
- Premium mower with middle attachment
- Compact angular gear
- Perfect ground adaptation
- Continually optimal contact pressure
- High forage throughput with low raw ash content
- Gentle on the sward
- Slide track in both longitudinal and transverse direction – FELLA patent
- The mower unit does not pivot at the headland
- KENNFIXX® connector

RAMOS 3060 TL
RAMOS 3570 TL
RAMOS 4080 TL
RAMOS 4590 TL

Rear attachment with TurboLift system

These models are specifically designed to meet the increasing demand for powerful rear-mounted mowers. Despite their large working width of up to 4.50 m, the mowers that are attached at their centre of gravity have extremely good ground adaptation.

FREE-FLOATING CUTTING

Thanks to its continually optimal contact pressure, the innovative TurboLift cutter bar suspension system guarantees minimal forage contamination, protection for the sward and improved cutting quality in recesses and sinks. Additionally, the machine and tractor are under less load thanks to the "floating cut". Furthermore, a special hydraulic compensating cylinder reduces pivoting at the headland.

RAMOS 3060 TL-KC
RAMOS 3570 TL-KC

Tine-rotor conditioner

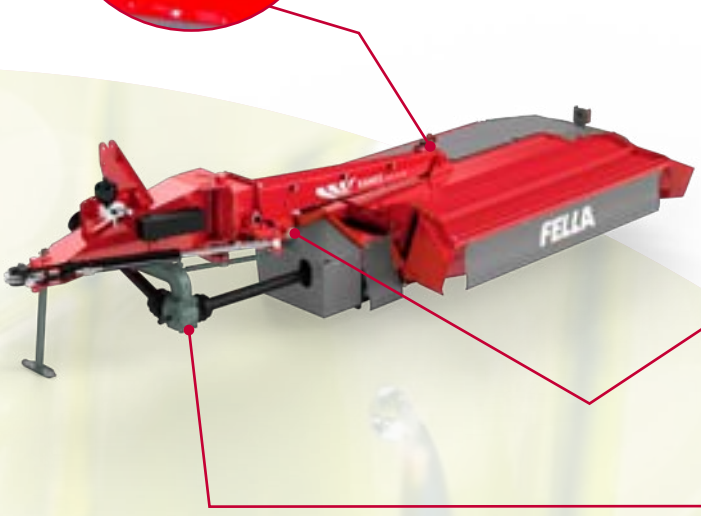
RAMOS 3060 TL-RC

Roller conditioner

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated. The tine-rotor conditioner (KC) offers four counter-comb positions for adjusting conditioning intensity – depending on the prevailing application conditions. On roller conditioners (RC), the contact pressure of the rubber profile elements can be changed. In this way, you can still work even under the most varied harvesting and weather conditions.

CORRECT HEIGHT

The practical working height indicator reduces set-up and take-down times out in the field.



ACCESSORIES

- Additional skids for greater cutting heights and as wear protection for stony and sandy ground
- Right-hand swath disc for optimum swath formation for TL models
- Spreader device for speeding up the drying process for KC models

TRANSPORT POSITION
RAMOS 4080 TL

CONVENIENT MAINTENANCE
The full-cloth guard which can be folded on both sides ensures easy access and weight reduction (RAMOS 4080 TL).

OPTIMUM GUIDANCE OF THE CUTTER BAR
Optimum stability and guidance of the cutter bar is guaranteed thanks to the patented slide track. As a result, the load on the lifting arm of the mower is relieved and the excellent ground adaptation is reinforced.

FOLDS AWAY PERFECTLY
The impact guard with pivoting gearbox ensures maximum safety against obstacles. The pivoting gearbox also provides the mower with a very wide angle of yield and ensures that the drive shaft is not damaged.

Three-point attachment
Middle attachment

For optimal cutting.

- Working widths of 2.60 m and 3.60 m
- Premium mower with middle attachment point and robust spur gear drive
- X-folding at the machine's centre of gravity (117°–119°, depending on working width)
- Wide working angle for optimum ground adaptation
- Many features designed for increased convenience
- Continually optimal contact pressure – perfect ground adaptation
- High forage throughput with low raw ash content
- Gentle on the sward
- The mower unit does not swing at the headland
- KENNFIXX® connector

RAMOS 2650 TLX
RAMOS 3160 TLX
RAMOS 3670 TLX

Rear attachment with TurboLift system and X-folding

The new RAMOS TLX series combines TurboLift technology for optimised ground contour following with a comprehensive range of safety and convenience features. Encompassing a wide range of different models, this series has the right machine for virtually any farm. Featuring a central attachment point, the new vertical X-folding system and the SafetySwing professional impact guard, you can be sure that these machines will always be safe and secure, whether they're on the field or out on the road. A whole host of practical features have been included to make harvesting easier and to make controlling your machinery more convenient.

CORRECT HEIGHT
The practical working height indicator reduces set-up and take-down times out in the field.

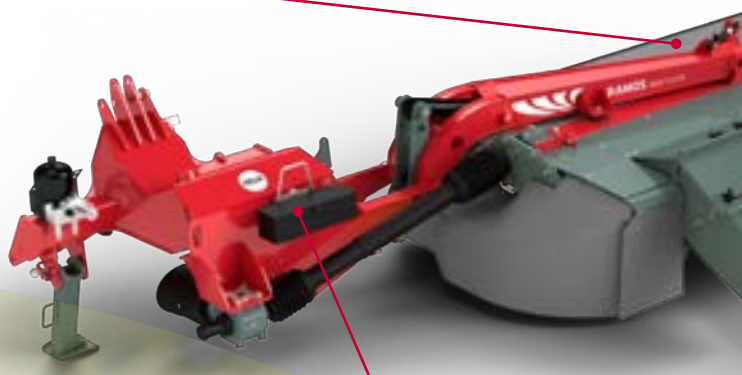
RAMOS 2650 TLX-KC
RAMOS 3160 TLX-KC
RAMOS 3670 TLX-KC

Tine-rotor conditioner

RAMOS 2650 TLX-RC
RAMOS 3160 TLX-RC
RAMOS 3670 TLX-RC

Roller conditioner

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated. This gives you a decisive time advantage, particularly in unpredictable weather conditions.



ACCESSORIES

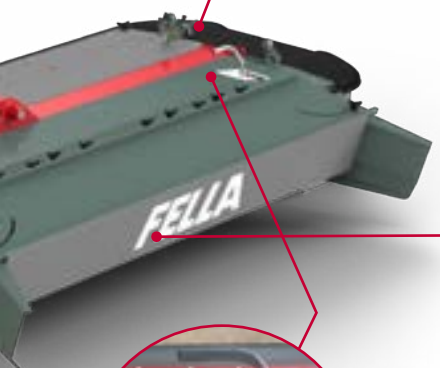
- Hydraulically folding end cover
- Hydraulic transport locking system
- Supports for parking with mower in vertical position

PRACTICAL
Replacement blades and the quick-change blade system tool are always close at hand.

CONVENIENT TRANSPORT
The transport height is maintained by means of a folding guard (with optional hydraulic operation).

ALL-ROUND PROTECTION
A solid plastic strip around the guard protects against damage from minor impacts.

CLEAN CUT
The robust cutter bar optimises power transmission and exhibits impressive performance properties.



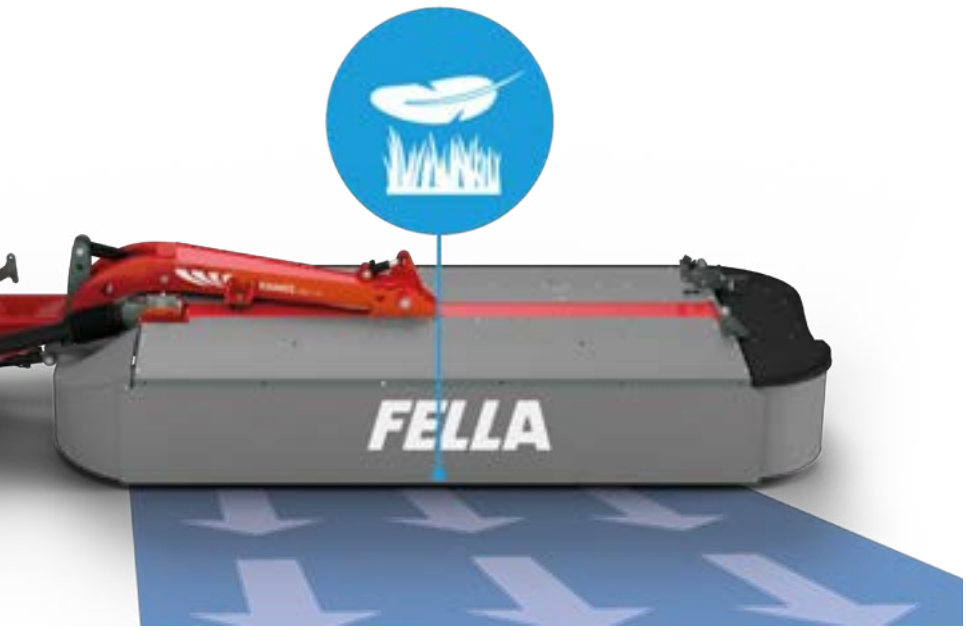
EASY TO ADJUST
The tine-rotor conditioner (KC) offers five counter-comb positions for adjusting conditioning intensity, depending on the prevailing application conditions.

EFFECTIVE FOLDING
Hydraulic cylinders fold the RAMOS TLX mowers vertically towards the machine's centre of gravity, with a shock absorber minimising the impact when they reach their end position.

- The even distribution of weight on the lower link and axle allows for good stability and agility when the machine is being transported.
- The compact transport position means that height restrictions are not a problem.

EVERYTHING IN ORDER
Practical parking supports are available as an option for RAMOS TLX mowers. These save space when parking the machinery in the transport position.

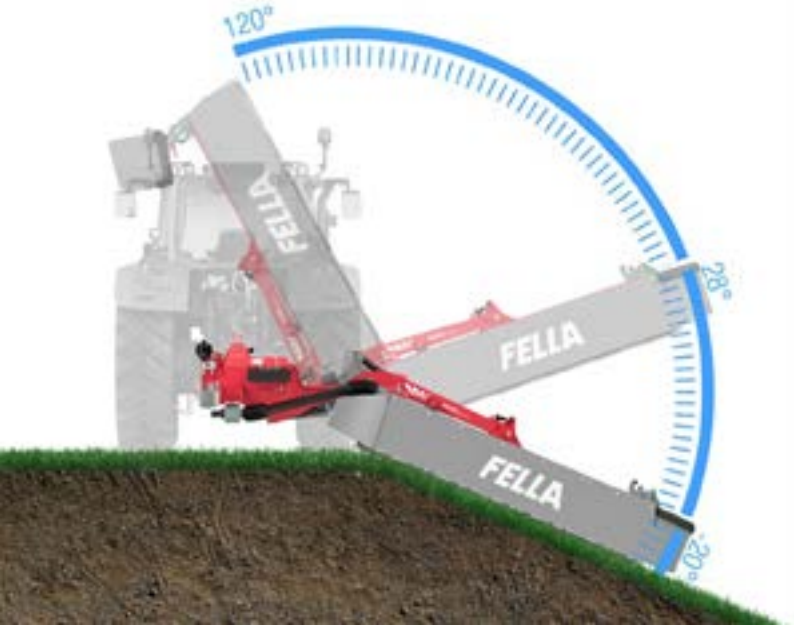
PARKING WITHOUT PRESSURE
The pressure-relief button on the mower's control device reduces the pressure to zero in one swift action. When you attach the mower, the system automatically restores the optimal pressure.



FLOATING CUT
The TurboLift cutter bar suspension system ensures that the optimal contact pressure is maintained across the entire working width (see p. 14).

- Minimal forage contamination, protection for the sward and improved cutting quality in recesses and hollows
- Freely adjustable as you travel
- Automatic calibration at every headland
- Reduced fuel consumption

SAFETYSWING – FOLDS AWAY SECURELY
The SafetySwing impact guard, which is usually only used for large-area mowers, provides optimum safety in any field and reliably protects your machine from damage caused by striking objects. If the mower encounters an obstacle, it will fold back and up out of the way, and then automatically returns to its original position under its own weight (see p. 15).



GROUND ADAPTATION AND GROUND CLEARANCE
The new boom arm design features a bend, allowing TLX mowers to achieve a wide working angle of between +28° and -18°. This optimally compensates for unevenness and height differences in the ground.

An integrated compensating cylinder also prevents rocking at the headland and allows for a large ground clearance.

RAMOS
MOWER COMBINATIONS

Cutting power without compromise.

Mower combination

The easy way to top performance.

- Working widths of 8.30 m and 9.30 m
- Compact angular gear
- Tine-rotor conditioner and roller conditioner (only for RAMOS 911 TL)
- Extremely simple to attach and remove the conditioner
- Integrated oil supply for conveyor belt variant – no oil cooler required
- Trailed cutter bar hitch attachment – pulling is easier than pushing
- The mower unit does not pivot at the headland

RAMOS 911 TL
RAMOS 991 TL

Mower combination with TurboLift

With the RAMOS 911 TL and RAMOS 991 TL mower combinations, FELLA is setting standards area coverage and cost-effectiveness. With working widths of 8.30 m and 9.30 m, you can handle any area of grassland – no matter how big. They combine the advantages of the FELLA compact angular cutter bar, the TurboLift system and the SafetySwing impact guard in a single machine. Even minimal power is enough for the RAMOS 911 TL basic model to demonstrate all of its strength, due to its particularly low drag.

RAMOS 911 TL-KC
RAMOS 991 TL-KC

Tine-rotor conditioner

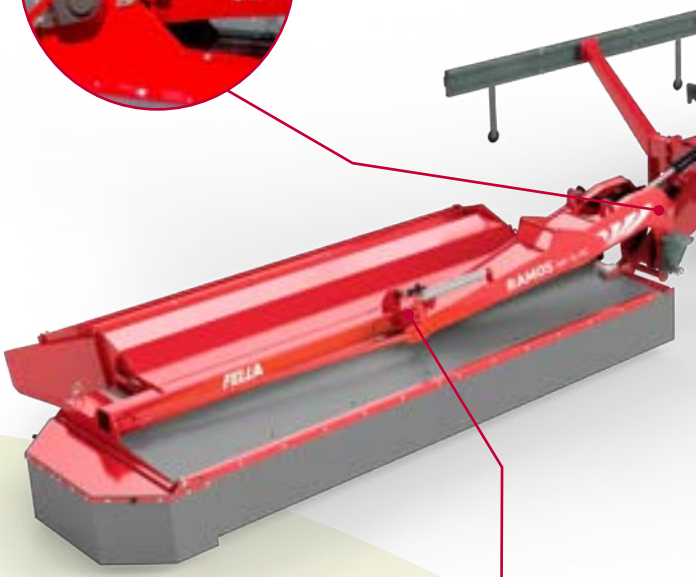
RAMOS 911 TL-RC

Roller conditioner

With a conditioner, you achieve your high-quality forage more quickly because the moisture loss from the plants is accelerated. This gives you a decisive time advantage, particularly in unpredictable weather conditions.

CORRECT HEIGHT

The practical working height indicator reduces set-up and take-down times out in the field.



ACCESSORIES

- Additional skids as wear protection and for greater cutting heights
- Mower discs with conveyor vanes for optimal transport of the forage to the conditioner
- Swath disc for use without a conditioner
- Electrohydraulic controller for external load-sensing connections
- Electrohydraulic individual lift

NEAT POSITIONING AND LIFTING

The centring springs on the mower units ensure positioning and lifting parallel to the ground. This protects the sward and reduces forage contamination.

IN BALANCE
The mower unit mounted at the centre of gravity relieves the load on the lifting arm and ensures excellent ground adaptation and uniform contact pressure.

1 RAMOS 911 TL – Compact transport
2 RAMOS 911 TL – High performance with light tractors

Mower combination with ISOBUS

For the highest demands.

- Working widths of 8.30 m and 9.30 m
- Compact angular gear
- Operation of all mower functions via the ISOBUS control system
- Rotational speed monitoring
- Wide conveyor belt with integrated beMOVE hydraulic lateral movement
- Single, partial or triple deposit thanks to conveyor belts that can be raised individually
- Trailed cutter bar hitch attachment – pulling is easier than pushing
- The mower unit does not pivot at the headland
- Retrofit kit available for non-ISOBUS-compatible tractors

Active contact pressure regulation

RAMOS 8312 TL-RCB

ISOBUS combination with TurboLift, roller conditioner and conveyor belt

RAMOS 9314 TL-KCB

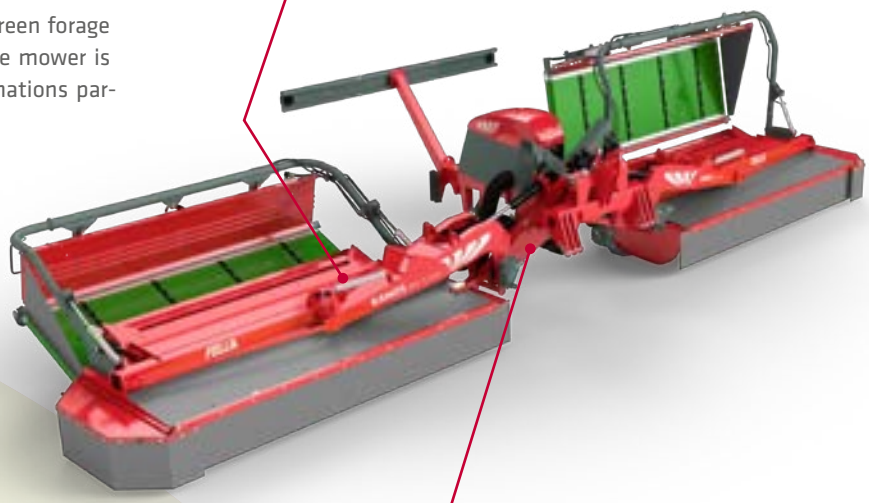
ISOBUS combination with TurboLift, tine-rotor conditioner and conveyor belt

Advanced machine technology coupled with a state-of-the-art ISOBUS equipment control system make the FELLA mower combinations with conveyor belts stand out from the rest. Working widths of 8.30 m and 9.30 m enable large volumes of forage to be managed efficiently.

The trailed hitch attachment of the mowers ensures that green forage is mowed with minimal impact on the ground and that the mower is particularly fuel-efficient. This makes these mower combinations particularly interesting in terms of cost-efficiency.

NEAT POSITIONING AND LIFTING

The centring springs on the mower units ensure positioning and lifting parallel to the ground. This protects the sward and reduces forage contamination.



COMPACT TRANSPORT

The mower unit support arm has a low-lying pivot point, ensuring that the mower has a low centre of gravity and a compact, low transport position

ACCESSORIES

- ISOBUS tractor retrofit kit for operating and programming all mower functions via the control terminal and joystick
- Rotation speed monitoring for front-mounted mower
- Closed tank for forage transfer without losses (KC models)

ISOBUS –
SIMPLE AND SAFE TO OPERATE

The ISOBUS equipment control system provides the driver with a clear view of all important machine parameters on the tractor terminal at all times. This means optimum ergonomics and maximum assistance for the driver.

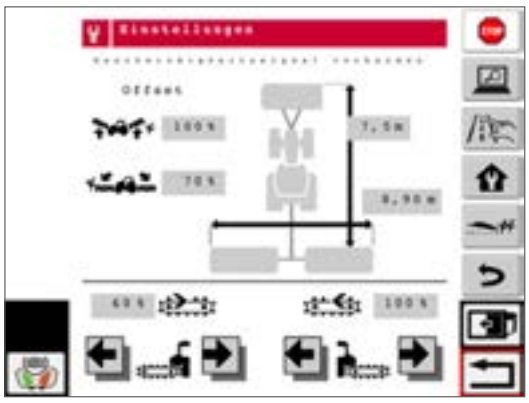
All mower functions, such as single lift, conveyor belt operation and slope function, can be operated using a terminal and can be programmed using the control lever or joystick if necessary.

A computer-assisted automatic folding function with hydraulic transport lock allows for easy changing to the transport position, and protects the machine's power train from damage.

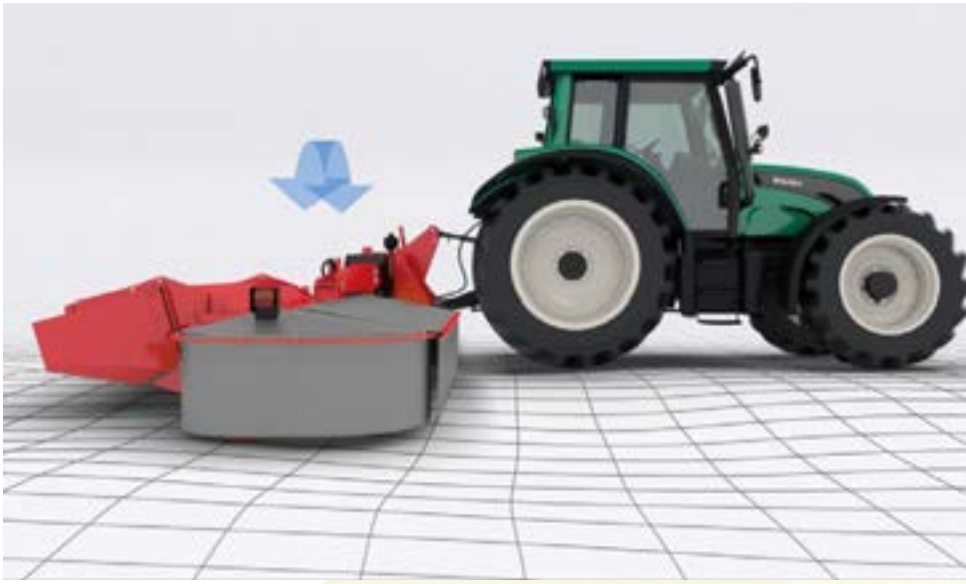
Sensors are used to monitor the rotational speed, which allows the driver to anticipate possible overloading of the power train early on. The benefit to you: Maximum utilised capacity and machine safety at the same time.

PERFECT PREPARATION
The transverse conveyor belts enable the highest possible level of flexibility for swath positioning. Single, partial or triple deposit – always suitable for trailing machines.

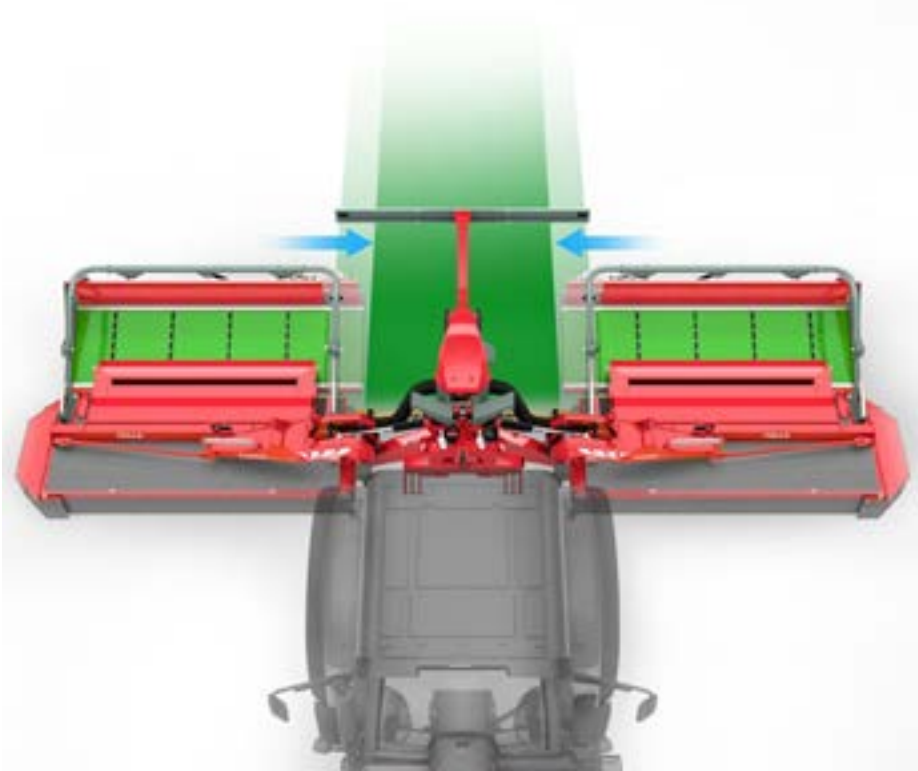
ON THE RUNNING BELT
Thanks to the arrangement and large dimensions of the belts, the risk of blockage is reduced to a minimum. This prevents downtime, even with large volumes of forage and over long-term use.



AUTOMATION WITH BENEFITS
By combining the front-mounted mower and the rear units, it is possible to fully automate the work processes. Hour and hectare counters with integrated part-width shut-off can be used by agricultural contractors for sharing information and monitoring purposes.



ACTIVE CONTACT PRESSURE REGULATION
As well as the TurboLift system, the ISOBUS mowers are equipped with active contact pressure regulation, which can easily be controlled using the ISOBUS terminal. Even on extremely uneven surfaces and at differing travel speeds, the contact pressure remains constant. The “intelligent” system does not just guarantee the best possible protection for the sward; it also reduces the risk of damage and wear to the mower.



WIDE BELT WITH INTEGRATED BEMOVE HYDRAULIC LATERAL MOVEMENT
Our engineers have developed a particularly wide conveyor belt (940 x 2700 mm) for the FELLA mower combinations which can be used for processing larger volumes of forage without any difficulty and for continuous running at higher working speeds. Using the beMOVE hydraulic lateral movement and the conveyor belt’s speed setting, it is always possible to optimally adjust the mower’s swath width to the working conditions and the collecting machines following behind, all from the comfort of the driver’s seat.

Perfectly led.

RAMOS TRAILED MOWERS

Trailed with transport chassis

User-friendly and flexible.

- Working width of 3.50 m
- Compact angular gear
- Centrally pivoted drawbar
- Mower unit has excellent freedom of movement in working position
- High ground clearance
- Extremely user-friendly
- Uniform power transmission through robust pivoting gearbox – low wear and long service life
- KENNFIXX® connector

RAMOS 3575 TRANS-KC

Transport chassis with tine-rotor conditioner

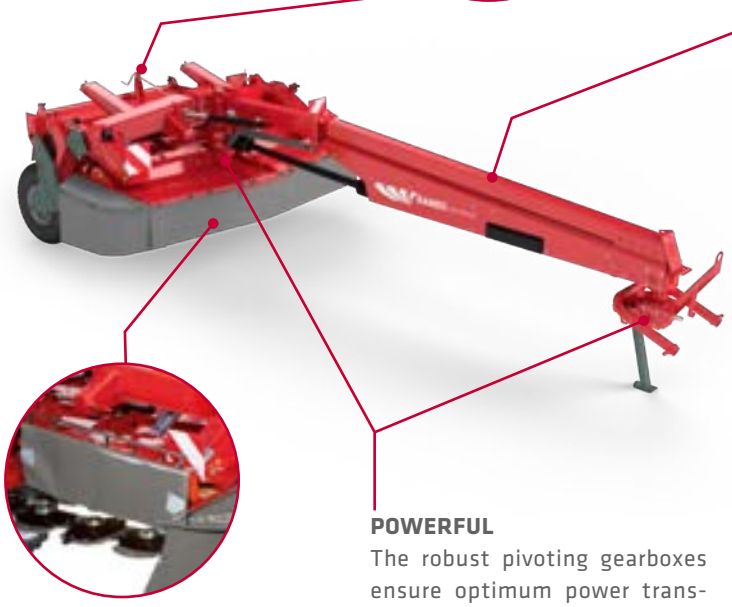
RAMOS 3575 TRANS-RC

Transport chassis with roller conditioner

This machine is impressive thanks to its flexibility and agility. The generous freedom of movement of the mower unit in the working position of up to 400 mm, for example, reliably prevents the mower unit from coming into contact with or digging into the sward on closely undulating ground. The mower unit is also suspended by adjustable spring packs and the contact pressure is adjusted to the working conditions. The RAMOS 3575 Trans is available with a tine-rotor conditioner or a roller conditioner. On the tine-rotor conditioner (KC) the intensity can be adjusted without the need for tools, which in turn ensures an extremely high level of flexibility in the most varied weather conditions. The variant with roller conditioner (RC) is optionally equipped with dual drive: The crop flow is thus ensured and the results of conditioning are excellent, even with large quantities of forage.

PERFECTLY ADJUSTED

The infinitely variable cutting-height adjustment allows for quick and optimum adjustment of the cutting height for various different working conditions.



CONVENIENT MAINTENANCE

Thanks to the protective hood that can be folded up, the cutter bar is easily accessible.

POWERFUL

The robust pivoting gearboxes ensure optimum power transmission: The drive shafts are not bent, even when turning around tight corners, and wear is kept to a minimum.

ACCESSORIES

- ComfortChange quick blade change system
- Swath displacer for moving the swath to the left and right in combination operation when making a return pass (RC)
- Spreader device for speeding up the drying process for KC models
- Mower disc with conveyor vane for optimal transport of the forage to the conditioner
- Additional skids for greater cutting heights and as wear protection for stony and sandy ground

SIMPLY INGENIOUS
With the integrated tool box, in case of damage you can have the necessary tools (e.g. driveGUARD key) at your fingertips in seconds. In this way, costly downtimes can be avoided.

EVERYTHING AT A GLANCE
1 The machines offer a good overall view from the tractor.

LARGE WORKING AREA
2 The centrally pivoted drawbar on these mowers can be swung to the right and the left behind the tractor – an enormous advantage for forage lying on the ground.

HIGH FLYER
3 The key aspect of the robust mower is its large lifting height at the headland – up to 600 mm. This provides an enormously high ground clearance when driving over swaths.

Trailed with transport chassis

Simple handling, superb agility.

- Working width of 3.00 m
- Compact angular gear
- Centrally pivoted drawbar
- Tine-rotor conditioner or roller conditioner
- Excellent ground adaptation
- Infinitely adjustable cutting height
- Uniform power transmission through robust pivoting gearbox – low wear and long service life
- KENNFIXX® connector
- Transport speed of up to 40 km/h (country-specific)

RAMOS 313 TRANS-KC

Transport chassis with tine-rotor conditioner

RAMOS 313 TRANS-RC

Transport chassis with roller conditioner

The machine is particularly characterised by its ease of handling and superb agility. The mower can be pivoted behind the tractor, both to the left and right. The sturdy pivoting gearbox means there is even power transmission in all working situations, without the drive shaft kinking. The working height can be infinitely and conveniently adjusted by a central crank. In addition, you can optimally adjust the contact pressure of the mower to your conditions. With a transport speed of up to 40 km/h (country-specific), the transport is handled quickly and simply.

EXCELLENT GROUND ADAPTATION

The cutter bar is mounted at the outermost points on the sturdy support frame. In conjunction with the parallel adaptation of the mower unit to uneven ground, the mower is reliably prevented from piercing the sward

PULLING IS EASIER THAN PUSHING

Lower ground pressure and fuel consumption thanks to the towing point positioned well towards the front of the suspension mounting.

ACCESSORIES

- ComfortChange quick blade change system
- Swath displacer for moving the swath to the left and right in combination operation when making a return pass
- Large-size tyres 11.5/80–15.3 for low ground pressure on surfaces that are less able to support heavy weights

HIGH FLYER
The lifting height of 435 mm makes it easy to drive over swaths.

CENTRALLY PIVOTED DRAWBAR
The mower can be pivoted behind the tractor, both to the left and right.

Faster drying.

TAURUS TINE-ROTOR CONDITIONER FOR THREE-POINT ATTACHMENT

Tine-rotor conditioner for three-point attachment

The quicker way to better forage.

- Pick-up width of 1.73 m (TAURUS 275 D) and 1.82 m (TAURUS 285 D)
- Favourable weight distribution even for small tractors thanks to low-lying towing point
- Intensity adjustment using counter-comb adjustment
- Super C tines with tine saver

TAURUS 285 D

- Highest forage throughput with enlarged rotor
- Spreader device that can be adjusted without tools

TAURUS 275 D
TAURUS 285 D
Three-point headstock

PARTICULARLY SUITABLE FOR USE ON ALPINE TERRAIN

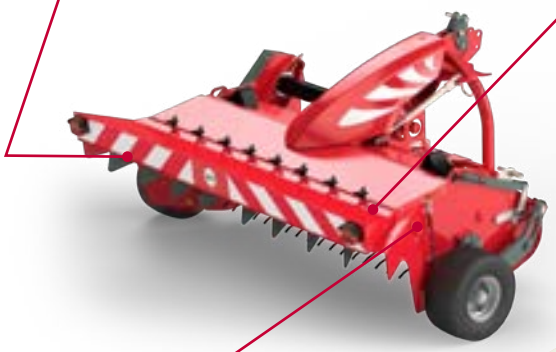
With the combined use of a front-mounted mower and the TAURUS 275 D or TAURUS 285 D rear-mounted conditioner, you can achieve an unprecedented level of efficiency when harvesting forage in alpine areas. The optimum weight distribution leads to a very good track stability, even on difficult sections.

SAFETY ON SLOPES

The low-lying towing point with automatic centring during raising by telescopic arms and the additional locking mechanism in the sliding plate prevent the machine from running into the back of the tractor when travelling downhill. The trailing behaviour of the conditioner is excellent. The machine does not swing in the direction of travel. When the machine is raised on an incline, the tractor will remain stable.

IMPROVED CONDITIONER EFFECT

The TAURUS 285 D is equipped with a chequered plate as standard at the top of the conditioner hood. This further improves the intensity of the conditioner effect.

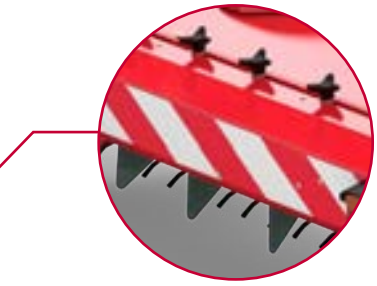


ACCESSORIES

- Spreader device for TAURUS 275 D
- Contact wheel for best possible ground adaptation
- Optimal driving stability and smoothness thanks to the large tyres (TAURUS 285 D)

INTENSITY ADJUSTMENT FOR LOOSE SWATHS IN ANY SITUATION

The conditioning intensity can be adjusted to the working conditions using a handle. This is carried out by adjusting the counter-comb to various levels.



EASILY ADJUST THE WIDTH DISTRIBUTION

The TAURUS 285 D can deposit forage across the whole width or in a narrow swath. This is possible thanks to the standard spreader device that can be adjusted without the need for tools. You benefit from the fact that it is more convenient to operate. The increased rotor diameter also permits a very high forage throughput, even with a large volume of forage.

OUR LIGHTWEIGHT

The TAURUS 275 D, specially designed for use with light alpine tractors, is the right machine for the job. Because of its low weight – less than 400 kg – only minimal power is needed for it to demonstrate its full abilities, alongside an impressive pick-up width of up to 1.73 m.

Technical data

FRONT-MOUNTED MOWERS

RAMOS	210 FK	210 FK-S	260 FK	260 FP	260 FP-S	3060 FP
Dimensions and weight						
Approx. working width in m	2.05	2.05	2.50	2.50	2.50	3.00
Approx. transport width in m	2.08	2.08	2.50	2.50	2.50	3.00
Approx. swath width in m	1.10	1.10	1.35	1.35	1.35	2.00
Approx. transport height in m	–	–	–	–	–	–
Approx. transport length in m	1.13	1.18	1.29	1.21	1.21	1.49
Approx. weight in kg	369	373	410	474	504	770
Power demand						
Approx. power demand in kW/hp	19/26	19/26	22/30	28/38	28/38	55/75
Attachment						
Three-point	CAT I	CAT I	CAT I	CAT II	CAT II	CAT II
Two-point lower links	–	–	–	–	–	–
Mower unit						
Mower discs	4	4	4	4	4	6
Blades per disc	2	2	2	2	2	2
Quick blade change system/ComfortChange	□	□	–	–	–	■
Conditioner	–	–	–	–	–	–
Transverse conveyor belt	–	–	–	–	–	–
Hydraulic lateral movement	–	□*	–	–	■	–
driveGUARD®	□	□	□	–	–	■
Hydraulics and PTO shaft						
Required hydraulic connections	–	–	–	–	–	–
PTO rpm	540/1000	540/1000	540/1000	540/1000	540/1000	1000
Lighting and tyres						
Electric lighting	–	–	–	–	–	–
Warning signs	–	–	–	–	–	–
Transport wheel	–	–	–	–	–	–
Drive						
Spur gear drive	–	–	–	–	–	–
Compact angular gear	■	■	■	■	■	■

■ *Series* □ *Equipment variant* – *not available*
* *mechanical as standard, hydraulic optional*

[1] *only required for optional hydraulic lateral movement*
[2] *for the "Electro-hydraulic controller" option, the number of control units is reduced to 1x load-sensing connection*

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3060 FP-SL	3060 FP-KC	3060 FP-RC	310 FP-K	310 FZ	310 FZ-KC	310 FZ-RC
3.00	3.00	3.00	3.00	3.00	3.00	3.00
3.00	3.00	3.00	3.00	3.00	3.00	3.00
< 1.10	1.45 – 2.20	1.55 – 1.90	2.00	2.00	1.45 – 2.20	1.55 – 1.90
–	–	–	–	–	–	–
1.49	1.58	1.52	1.25	1.85	1.87	1.81
890	990	1040	694	930	1150	1202
55/75	66/90	64/87	55/75	55/75	66/90	64/87
CAT II	CAT II	CAT II	CAT II	CAT II	CAT II	CAT II
–	–	–	–	–	–	–
6	6	6	6	6	6	6
2	2	2	2	2	2	2
■	■	■	■	■	■	■
–	KC	RC	–	–	KC	RC
–	–	–	–	–	–	–
–	–	–	–	□*	□*	□*
■	■	■	■	■	■	■
–	–	–	–	1 x SA 1 x DA[1]	1 x SA 1 x DA[1]	1 x SA 1 x DA[1]
1000	1000	1000	1000	1000	1000	1000
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
■	■	■	■	■	■	■

driveGUARD®

TurboLift

ComfortChange

SafetySwing

Technical data

REAR-MOUNTED MOWERS

RAMOS	168 InLine	208 InLine	248 InLine	288 InLine	2460 ISL	2870 ISL
Dimensions and weight						
Approx. working width in m	1.66	2.06	2.42	2.82	2.42	2.82
Approx. transport width in m	1.73	1.73	1.73	1.73	1.80	1.80
Approx. swath width in m	0.90	1.25	1.65	2.00	1.65	2.00
Approx. transport height in m	2.47	2.85	3.23	3.61	3.30	3.70
Approx. transport length in m	–	–	–	–	–	–
Approx. weight in kg	372	407	437	475	510	550
Power demand						
Approx. power demand in kW/hp	22/30	30/41	37/50	44/60	37/50	44/60
Attachment						
Three-point	CAT I + II	CAT I + II	CAT I + II	CAT I + II	CAT I + II	CAT I + II
Two-point lower links	–	–	–	–	–	–
Mower unit						
Mower discs	4	5	6	7	6	7
Blades per disc	2	2	2	2	2	2
Quick blade change system/ComfortChange	□	□	□	□	■	■
Conditioner	–	–	–	–	–	–
Transverse conveyor belt	–	–	–	–	–	–
Hydraulic lateral movement	–	–	–	–	–	–
driveGUARD®	–	–	–	–	–	–
Hydraulics and PTO shaft						
Required hydraulic connections	1 x SA	1 x SA	1 x SA	1 x SA	1 x SA	1 x SA
PTO rpm	540	540	540	540	540	540
Lighting and tyres						
Electric lighting	–	–	–	–	–	–
Warning signs	–	–	–	–	–	–
Transport wheel	–	–	–	–	–	–
Drive						
Spur gear drive	■	■	■	■	■	■
Compact angular gear	–	–	–	–	–	–

■ *Series* □ *Equipment variant* – *not available*
** mechanical as standard, hydraulic optional*

[1] *only required for optional hydraulic lateral movement*
[2] *for the "Electro-hydraulic controller" option, the number of control units is reduced to 1x load-sensing connection*

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210	270	320	350	3060 TL	3060 TL-KC	3060 TL-RC
2.05	2.55	3.00	3.50	3.00	3.00	3.00
2.13	2.13	2.13	2.13	2.30	2.30	2.30
1.10	1.60	1.80	2.30	2.30	1.20–2.30	1.20–1.90
2.47	2.95	3.43	3.91	–	–	–
–	–	–	–	4.65	4.65	4.65
612	630	724	798	875	1150	1210
36/49	40/54	45/61	50/68	55/75	63/86	61/83
CAT II	CAT II	CAT II	CAT II	CAT II + III	CAT II + III	CAT II + III
–	–	–	–	–	–	–
4	5	6	7	6	6	6
2	2	2	2	2	2	2
□	□	□	□	■	■	□
□ KC/RC	□ KC/RC	□ KC	–	–	KC	RC
–	–	–	–	–	–	–
–	–	–	–	–	–	–
□	□	□	□	■	■	■
1 x SA	1 x SA	1 x SA	1 x SA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA
540	540	540	540	1000	1000	1000
–	–	–	–	■	■	■
–	–	–	–	■	■	■
–	–	–	–	–	–	–
–	–	–	–	–	–	–
■	■	■	■	■	■	■

Technical data

REAR-MOUNTED MOWERS

RAMOS	3570 TL	3570 TL-KC	4080 TL	4590 TL	2650 TLX	2650 TLX-KC
Dimensions and weight						
Approx. working width in m	3.50	3.50	4.00	4.50	2.60	2.60
Approx. transport width in m	2.30	2.30	2.30	2.30	2.20	2.20
Approx. swath width in m	2.80	1.60–3.25	3.30	3.80	0.70–0.90	0.60–1.80
Approx. transport height in m	–	–	–	–	3.17	3.17
Approx. transport length in m	5.15	5.15	5.60	6.10	1.70	2.10
Approx. weight in kg	950	1280	980	1100	950	1150
Power demand						
Approx. power demand in kW/hp	65/88	74/101	72/99	84/115	55/75	74/100
Attachment						
Three-point	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III
Two-point lower links	–	–	–	–	–	–
Mower unit						
Mower discs	7	7	8	9	5	5
Blades per disc	2	2	2	2	2	2
Quick blade change system/ComfortChange	■	■	■	■	■	■
Conditioner	–	KC	–	–	–	–
Transverse conveyor belt	–	–	–	–	–	–
Hydraulic lateral movement	–	–	–	–	–	–
driveGUARD®	■	■	■	■	–	–
Hydraulics and PTO shaft						
Required hydraulic connections	1x SA, 1x DA	1x SA, 1x DA	1x SA, 1x DA	1x SA, 1x DA	1x SA, 1x DA	1x SA, 1x DA
PTO rpm	1000	1000	1000	1000	1000	1000
Lighting and tyres						
Electric lighting	■	■	■	■	□	□
Warning signs	■	■	■	■	□	□
Transport wheel	–	–	–	–	–	–
Drive						
Spur gear drive	–	–	–	–	■	■
Compact angular gear	■	■	■	■	–	–

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2650 TLX-RC	3160 TLX	3160 TLX-KC	3160 TLX-RC	3670 TLX	3670 TLX-KC	3670 TLX-RC
2.60	3.10	3.10	3.10	3.60	3.60	3.60
2.20	2.50	2.50	2.50	2.80	2.80	2.80
0.60–1.80	1.20–1.40	0.80–2.30	0.80–2.30	1.70–1.90	1.00–2.80	1.00–2.80
3.17	3.58	3.58	3.58	3.99	3.99	3.99
2.10	1.70	2.10	2.10	1.70	2.10	2.10
1150	1050	1350	1350	1200	1500	1500
74/100	k. A.	k. A.	k. A.	k. A.	k. A.	k. A.
CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III
–	–	–	–	–	–	–
5	6	6	6	7	7	7
2	2	2	2	2	2	2
■	■	■	■	■	■	■
–	–	KC	RC	–	KC	RC
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA
1000	1000	1000	1000	1000	1000	1000
□	□	□	□	□	□	□
□	□	□	□	□	□	□
–	–	–	–	–	–	–
■	■	■	■	■	■	■
–	–	–	–	–	–	–

Technical data

REAR-MOUNTED MOWERS

RAMOS	911 TL	911 TL-KC	911 TL-RC	991 TL	991 TL-KC	8312 TL-RCB
Dimensions and weight						
Approx. working width in m	8.30	8.30	8.30	9.30	9.30	8.30
Approx. transport width in m	2.78	2.78	2.78	2.78	2.78	2.78
Approx. swath width in m	2 x 2.00	2 x 1.45–2.25	2 x 1.55–1.90	2 x 2.50	2 x 1.85–3.25	2 x 1.80–2.60
Approx. transport height in m	3.73	3.73	3.73	3.90	3.90	3.73
Approx. transport length in m	–	–	–	–	–	–
Approx. weight in kg	1966	2410	2508	2120	2830	3300
Power demand						
Approx. power demand in kW/hp	110/150	132/180	128/175	130/175	155/200	141/182
Attachment						
Three-point	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III
Two-point lower links	–	–	–	–	–	–
Mower unit						
Mower discs	2 x 6	2 x 6	2 x 6	2 x 7	2 x 7	2 x 6
Blades per disc	2	2	2	2	2	2
Quick blade change system/ComfortChange	■	■	□	■	■	■
Conditioner	□	KC	RC	□	KC	RC
Transverse conveyor belt	□	□	–	□	–	■
Hydraulic lateral movement	–	–	–	–	–	■
driveGUARD®	■	■	■	■	■	■
Hydraulics and PTO shaft						
Required hydraulic connections	2 x SA, 1 x DA[2]	2 x SA, 1 x DA[2]	2 x SA, 1 x DA[2]	2 x SA, 1 x DA[2]	2 x SA, 1 x DA[2]	1 x load sensing
PTO rpm	1000	1000	1000	1000	1000	1000
Lighting and tyres						
Electric lighting	■	■	■	■	■	■
Warning signs	■	■	■	■	■	■
Transport wheel	–	–	–	–	–	–
Drive						
Spur gear drive	–	–	–	–	–	–
Compact angular gear	■	■	■	■	■	■

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- **D:** Three-point headstock

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9314 TL-KCB	313 Trans-KC	313 Trans-RC	3575 Trans-KC	3575 Trans-RC
9.30	3.00	3.00	3.50	3.50
2.78	3.00	3.00	3.50	3.50
2 x 1.80–3.00	0.90–2.25	1.55–1.90	1.20–2.60	1.20–2.60
3.90	–	–	–	–
–	7.00	7.00	7.32	7.65
3450	1945	1962	2560	2527
168/228	66/90	66/90	88/120	88/120
CAT II + III	–	–	–	–
–	CAT II	CAT II	CAT II	CAT II
2 x 7	6	6	7	7
2	2	2	2	2
■	□	□	□	□
KC	KC	RC	KC	RC
■	–	–	–	–
■	–	–	–	–
■	■	■	■	■
1 x load sensing	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA
1000	540/1000	540/1000	540 /1000	540 /1000
■	■	■	■	■
■	■	■	■	■
–	10.0/75-15.3	10.0/75-15.3	300/80-15.3	300/80-15.3
–	–	–	–	–
■	■	■	■	■

THREE-POINT CONDITIONER

TAURUS	275 D	285 D
Dimensions and weight		
Approx. working width in m	1.73	1.82
Approx. weight in kg	398	548
Power demand		
Approx. power demand in kW/hp	15/20	25/35
Mower unit		
Conditioner	Tines	Tines
PTO rpm	540/1000	540/1000

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