



ALPINE

Forage harvesting machines

- ▶ Independent series
- ▶ Light and robust
- ▶ High-quality equipment



fella.eu

*Harvesting
Energy!*

FIRST-RATE HARVEST

For more than 95 years, FELLA has always stood for innovative technology, outstanding quality and a personal passion for the service of agriculture. As the specialist for "Made in Germany" forage harvesting technology, we offer our customers all around the world an extremely wide range of products in terms of mowers, hay tedders, rakes and conditioners.



FELLA has been represented in all key markets around the world since the 1980s. Through close contact with farmers and agricultural contractors, our machines are constantly undergoing further development towards perfection. In this way, even the most diverse markets can enjoy mutual benefits. FELLA's objective is to provide every customer with the optimum solution for his farming requirements.



TRADITION, INNOVATION, PASSION

Production on the forage harvesting machines was started as early as 1932 at our company site in Feucht. All key components are assembled and tested in Feucht by specialists before they leave our works.

At the same time, our research and development department continues to invest all its expertise into the development of ever better and more efficient machines. This will guarantee the outstanding FELLA "Made in Germany" quality far into the future for our customers the world over.

FELLA – the forage harvesting specialist:

- ▶ *"Made in Germany" quality*
- ▶ *More than 95 years of experience*
- ▶ *In-house research and development department*
- ▶ *All machines are assembled and tested on the company's site by specialists*
- ▶ *Innovative, efficient, durable*

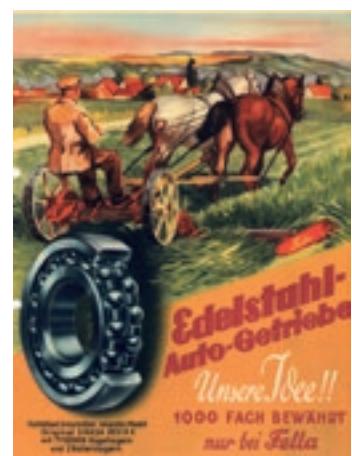
HISTORY

The name FELLA has been a byword for innovative agricultural machinery from Franconia for over 95 years. FELLA-Werke GmbH of Feucht near Nuremberg currently holds a top position in the demanding crop harvesting machinery sector. With a comprehensive range of drum and disc mower units, tedders and rakes, FELLA is in an excellent position to enjoy sustainable growth on the world market.

Since early 2011, FELLA has been fully incorporated into the AGCO Corporation and continues to drive forward the specialisation of harvest technology for them. The Feucht site, near Nuremberg, is AGCO's centre of excellence for green forage harvesting in Europe.

AN OVERVIEW OF OUR HISTORY

- ▶ **1918** Founding of "Bayerische Eggenfabrik AG" (Bavarian Harrow Factory) in Feucht
- ▶ **1921** The brand name FELLA is created, derived from the Egyptian word "Fellache" (= farmer)
- ▶ **1923** Ploughs and front carriages are incorporated in the product range
- ▶ **1932** Introduction of grass mowers, hay tedders, horse rakes and reaper-binders to the product portfolio
- ▶ **1953** FELLA launches its first conditioner with tine rotor onto the market. It is awarded with the "große Bronzene Preismünze" (great bronze medal) by the DLG (German Agricultural Association)
- ▶ **1954** FELLA launches the Jupiter, an automatic, powerful combine harvester onto the market
- ▶ **1968** Rakes added to the product portfolio
- ▶ **1980** Specialisation of products for green forage harvesting
- ▶ **1989** Concentration on the core competences of construction, assembly, sales
- ▶ **1997** The principle of the four "self-controlling factories" is introduced. Two years later, it is awarded with the International Best Factory Award
- ▶ **2000** Investment in the "new" FELLA (new building, restructuring)
- ▶ **2004** Takeover of FELLA by Argo. FELLA becomes a wholly-owned subsidiary of Laverda
- ▶ **2007** Argo and AGCO conclude a joint venture, each with a 50% share, FELLA becomes a part of both companies
- ▶ **2011** 100% takeover by AGCO: FELLA becomes the centre of excellence for green forage harvesting of AGCO in Europe
- ▶ **2013** FELLA's 95th anniversary



SERVICE

"Out of sight, out of mind." But not at FELLA!

Together with our dealers, we are always there and ready to provide reliable support to our partners, both at home and abroad – as we have been doing for almost 100 years. In conjunction with our well organised spare parts stores, regular further technical training for our dealers ensures that FELLA machines can be used, maintained and repaired to a professional standard. This comprehensive service ensures minimum downtime for your FELLA machines and makes a significant contribution to high-yield and stress-free forage harvesting.



ALPINE



WHY AN ALPINE FORAGE HARVESTING MACHINE FROM FELLA?

In addition to the usual forage harvesting range, Fella also specially develops forage harvesting machines for alpine regions. These machines attract buyers partly due to their extremely light construction, but in particular also because of their robustness. With their intelligent design, these machines prove themselves year after year in the most extreme of hillside situations. You too can benefit by using a FELLA Alpine machine for a clean and cost-effective forage harvest in alpine terrain. Perfect stability on inclines with excellent forage quality – FELLA.



Benefits at a glance:

- ▶ *Specifically designed Alpine forage harvesting machines*
- ▶ *Light construction – particularly robust*
- ▶ *Forage harvesting machines for extreme conditions*

OPINIONS BASED ON ACTUAL USE:

"I particularly value the fact that the Alpine machines from FELLA are individual developments specially designed for our circumstances and are not just artificially slimmed down versions of standard devices."

"I've been using the Alpine machines from FELLA for a good few years and am completely satisfied, and so I would also recommend them to my fellow farmers."

Sepp Matter,
Swiss farmer





CONTENT OVERVIEW

ALPINE FORAGE HARVESTING MACHINES

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MOWERS

Two front-mounted mower variants which were specially developed for use in alpine regions and are particularly impressive because of their clean mowing work



Pages 14-19

HAY TEDDERS

Hay tedders for the alpine area which are a very attractive proposition because of their light but very robust construction and the quality of work which they produce



Pages 20-25

RAKES

Specially developed single-rotor rakes for use in alpine terrain



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CONDITIONERS

Conditioners with three-point attachment which are impressively effective especially when used in combination with a front-mounted mower – perfect weight balance



MACHINE DESIGNATIONS AND ABBREVIATIONS

- **SM:** Disc mower
- **KC:** Tine-rotor conditioner
- **TH:** Hay tedder
- **FK:** Front-mounted compact headstock
- **TS:** Turbo rake
- **FP:** Front-mounted oscillating linkage
- **FK-S:** Front-mounted compact headstock with lateral movement
- **FP-S:** Front-mounted oscillating linkage with lateral movement
- **D:** Three-point headstock
- **DS:** Three-point headstock, rigid
- **DN:** Three-point headstock with trailing device

Machine designation	SM 210 FK	SM 210 FK-S	SM 260 FK	SM 260 FP	SM 260 FP-S
Approx. working width in m	2,05	2,05	2,50	2,50	2,50
Approx. swath width in m	1,10	1,10	1,35	1,35	1,35
Approx. weight in kg	369	373	410	474	504
Approx. power requirement in kW/hp	19/26	19/26	22/30	28/38	28/38

Machine designation	TH 401 DS	TH 401 DN	TH 431 DN	TH 601 DN
Approx. working width in m	4,00	4,00	4,30	5,70
Approx. weight in kg	305	365	385	498
Approx. power requirement in kW/hp	20/27	20/27	22/30	25/34
Number of rotors	4	4	4	6
Number of tine arms per rotor	5	5	6	5
Rotor chassis tyres	13/6.50-6	15/6.00-6	15/6.00-6	15/6.00-6

Machine designation	TS 301 DS	TS 351 DS
Approx. working width in m	3,40	3,60
Approx. rotor diameter in m	2,50	2,70
Approx. weight in kg	330	370
Approx. power requirement in kW/hp	17/23	25/34

Machine designation	KC 275 D	KC 285 D
Approx. working width in m	1,73	1,82
PTO stub shaft speed in rpm	540/1,000	540/1,000
Approx. weight in kg	398	548
Approx. power requirement in kW/hp	15/20	25/35

FELLA Alpine



FIRST-RATE HARVEST!

Based on tradition, innovation and passion.



THE SECRET TO A PERFECT CUT

THE COMPACT ANGLE DRIVE

The FELLA cutter bar with compact angle drive was developed using the knowledge acquired over many years of experience with FELLA mower components and, since then, has undergone a continual process of further development. The features at the heart of this system are a continuous, large-dimensioned hexagonal shaft and a robust angular gearbox under each mower disc. This results in even power distribution to all mower discs and the smoothing of torque peaks. The load and the wear of the components is significantly lower when compared to the conventional spur gear bar. The components are screwed to a robust, yet flexible, unit. Due to its unique design, the FELLA disc mowers with compact angle drive have low power-loss and are durable, therefore making an important contribution to the cost-effectiveness of your mowing, particularly in times when the cost of fuel is always increasing.

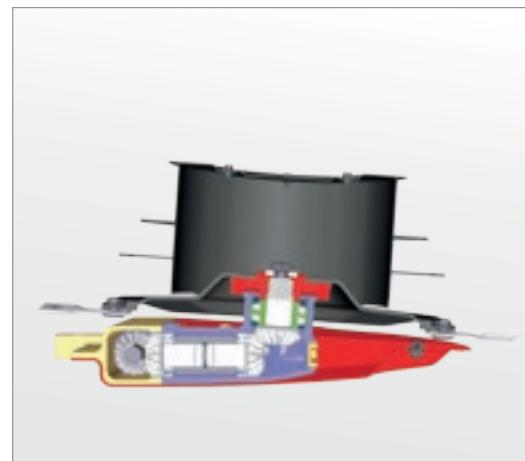
THE PERFECT CUTTER BAR: THE SHAPE MAKES ALL THE DIFFERENCE

The cutter bar determines whether you harvest quality forage. The engineers at FELLA have succeeded in developing a perfectly streamlined cutter bar with profiles on the underside. As a result, even in adverse conditions, this prevents the formation of mounds of soil in field forage crops or on wetland. The soil is cleanly separated from the forage and flows away under the cutter bar. This removes the possibility of the soil mixing in with your high-quality forage. With a FELLA cutter bar, you can then continue to work when others have already had to give up or have not even been able to start working!

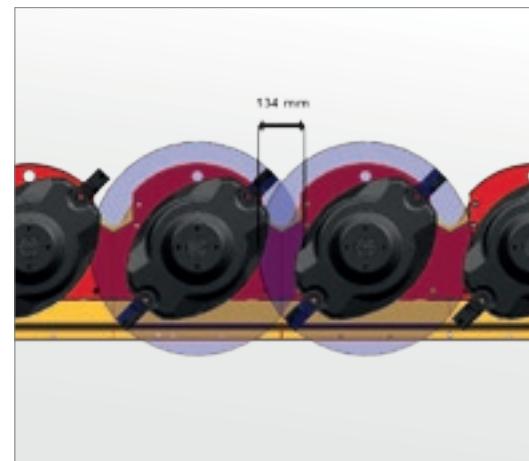
THE CUT IS WHAT COUNTS

A perfect cut is achieved due to the large overlap of the mower discs which is positioned well towards the front. This is a result of the large mower discs which FELLA use. Due to their special shape, these improve the flow of forage across the mower bed – an important aspect, especially for heavy, lying material. A clean cutting pattern – the calling card of any FELLA mower!

Low power requirement –
huge area output!



The cutter discs are driven "indirectly" by means of a hexagonal shaft and compact angular gears



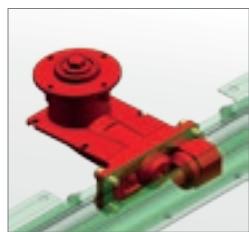
Large overlap of disc cutting area

TYPICAL FEATURES OF THE COMPACT ANGLE DRIVE

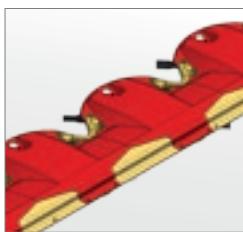


EVERYTHING IS WELL THOUGHT-OUT - FOR A HIGH LEVEL OF OPERATIONAL RELIABILITY AND LOW OPERATING COSTS

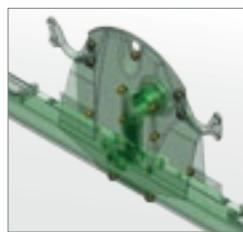
Even as early as when the cutter bar was being designed, our engineers worked with foresight. As a result, the hexagonal shaft was provided with a predetermined breaking point which interrupts the flow of power between the cutter bar and the tractor if there is a heavy overload. That saves you having to pay for expensive repairs. The cutter bar has been designed for ease of service. The compact angle drives, the skids and the counter-cutter are bolt-fitted and can be replaced easily and quickly, as required. Due to its lifetime oil filling, the cutter bar is largely maintenance-free and the lubrication of the cutter bar is ensured in any mowing situation. The best basis for a worry-free harvest!



Easy to assemble cutter bar design



Streamlined cutterbar

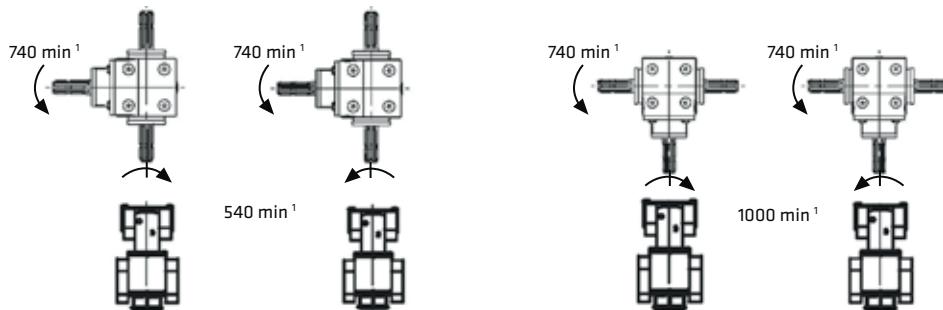


Bolt-fit design



Hexagonal shaft with predetermined shear point

The symmetrically central running of the four mower discs affords excellent results, even on sloping terrain. You can choose between running speeds of 540 and 1000 rpm and whether you want the mower discs to rotate clockwise or anti-clockwise.



THE SUPPORT FRAME - THE BACKBONE OF ANY MOWER

The cutter bar is supported and guided by the support frame. The support frame is designed to withstand very high stresses. The FELLA design is particularly characterised by sturdiness and durability.



Support frame

At a glance:

- ▶ Hexagonal drive shaft with predetermined shear point
- ▶ Easy to service cutter bar design thanks to bolt-fitted, easily replaceable components
- ▶ Cutter bar lifetime oil filling
- ▶ Power train protected using a drive shaft with freewheel and overload protection*
- ▶ 540 and 1000 rpm as well as clockwise and anti-clockwise rotation as standard (can be combined with any tractor)

FRONT-MOUNTED ALPIN

SM 210 FK SM 210 FK-S SM 260 FK SM 260 FP SM 260 FP-S

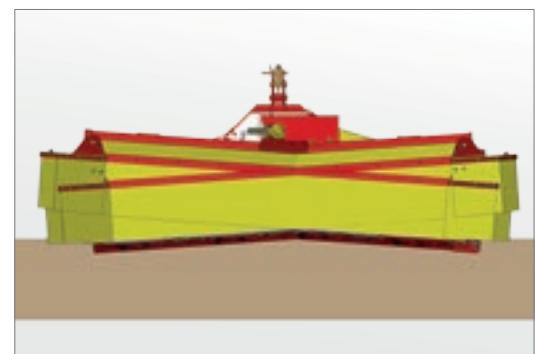
- Specially developed for use on alpine terrain
- Swinging hitch
- Mowing on sloping terrain without loss of forage



SM 210 FK-S



Four mower discs for symmetrically central running



Pendulum swing $+\text{-} 4^\circ$



Spring-loaded impact guard (with the FK version)



Short attachment headstock

SPECIALISTS FOR ALPINE USE

To also meet the demands of farmers in alpine regions, FELLA has developed the SM 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. Due to the centre pivoting hitch (+/- 4°) of the mower, optimum ground following is ensured.

You have the choice between two linkage systems on the tractor:

- ▶ FK: extremely short linkage directly on the lower link of the alpine tractors
- ▶ FP: compact linkage using a mounting triangle on standard tractors

MOWING ON SLOPING TERRAIN – WITHOUT LOSS OF FORAGE

With the SM 210 FK-S and SM 260 FP-S mowers, you can also mow on the steepest alpine terrain or in the hillside line without losing forage. Due to the option to move the mower by up to 12 cm (SM 210 FK-S) and 20 cm (SM 260 FP-S) to the left or right, you can also mow with ease on sloping terrain using twin tyres without having to leave any forage behind.

SWATH FORMATION ON SLOPING TERRAIN – NO PROBLEM

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

OPTIMUM WEIGHT DISTRIBUTION – PERFECT FORAGE CONDITIONING

By combining the front-mounted mower with the KC 275 D or KC 285 D rear-mounted conditioner, the greatest possible level of efficiency can be achieved when forage harvesting in alpine areas. The optimum weight distribution leads to very good track stability, even on difficult sections. The forage is optimally prepared and loosely deposited – an important requirement for perfect quality forage.

At a glance:

- ▶ Two variants: FK (rigid headrack) and FP (oscillating linkage)
- ▶ 4 mowers for symmetrically central running, which allows an even swath deposit and a very good conveying effect
- ▶ Very good track stability
- ▶ Folding side guard for narrow-width road travel
- ▶ Spring-loaded impact guard system with the FK version
- ▶ Quick-change blade system on the SM 210 FK/FK-S (special equipment)

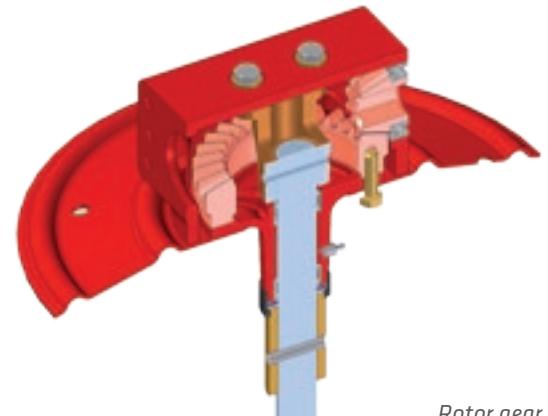


SM 260 FP-S: steplessly hydraulically adjustable sideways (approx. 20 cm on either side)

TYPICAL FEATURES OF FELLA HAY TEDDERS

ROTOR GEAR

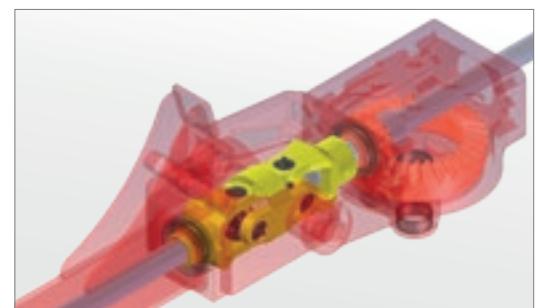
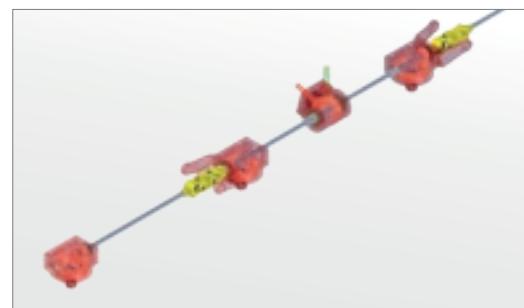
FELLA rotor heads are of an enclosed design which reliably protects all important components from dirt and dust. This design ensures a long service life and makes it a very attractive proposition due to the low maintenance effort required.



Rotor gear

POWER TRAIN

The individual rotors are driven via a generously dimensioned hexagonal shaft and robust double joints. This type of power transmission is free from backlash, smooth and reliable, and has proven itself time and again in FELLA drum mowers as well, under harsh working conditions.



Drive via hexagonal shaft and double joints

FRAME

All hay tedders are equipped with square frame tubes which ensure a high level of robustness and a long service life.

The individual rotor frames are connected via sturdy frame joints with special flange sleeves and hardened pins. All joints are generously dimensioned and can be lubricated. This contributes to ensuring optimum ground following even after many years of service.



Frame joints that can be relubricated



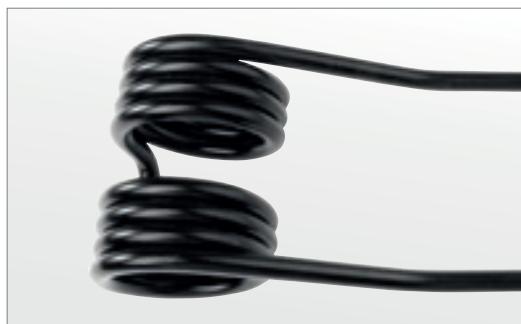
Square frame tube

TECHNOLOGICAL HIGHLIGHT: SUPER C - THE QUALITY FEATURE

The Super C quality feature guarantees an extremely high level of quality and represents an extremely long service life. The tines used at FELLA have to undergo a test cycle and survive 200,000 impacts without damage. Only then may they be fitted on FELLA machinery. As early as the manufacturing stage, special process steps are used to design the tines for toughness, elasticity and durability. The SUPER C tine has a tine diameter of 9.5 mm, a winding diameter of 70 mm and six windings, making it one of the most efficient on the market and typical of the high manufacturing quality of each and every FELLA hay tedder.



70 mm winding diameter



6 windings



9.5 mm tine diameter

At a glance:

- ▶ *Super C - extremely high quality, extremely long service life*
- ▶ *Sturdy, flexible and durable*
- ▶ *Test cycle with 200,000 impacts*



FELLA Super C quality tines

FIRST-RATE HARVEST – FAST AND LOW-IMPACT

COMB EFFECT – ONLY WITH EQUAL-SIDED TINES

Only equal-sided tines allow you to achieve an optimum mixing of your high-quality forage. This is known as the comb effect since, during the tedding process, the different layers of forage are perfectly mixed together and turned, providing the optimum production of high-quality forage.

Tines with sides of equal length also provide the benefit of not requiring right-hand and left-hand tines but only one kind of tine.



Tines with equal sides

The benefit for you:
Only one type of tine
necessary

TINE ARMS

The tine arms are made of tough, galvanised flat steel bar, which allows a wide contact surface between tine and rotor disc. This ensures very good power transmission even under the harshest of working conditions. The forces are optimally absorbed whenever the ground is uneven.

FELLA alpine hay tedders can be equipped with a new type of tine saver*, which protects machines that are following behind and your valuable livestock. At FELLA, the tines are secured under the tine arm. On the one hand, this arrangement has the advantage that the upper side is smooth and, as a result, no forage can be left hanging. On the other hand, it allows the tine greater freedom of movement, which contributes to optimal processing of your high-quality forage.



*Tine saver**



Wide contact surface for optimum power transmission

At a glance:

- ▶ *Comb effect – perfect mixing of your high-quality forage*
- ▶ *Tines with legs of equal length*
- ▶ *Tine arms made of galvanised flat steel bar – very good power transmission*
- ▶ *Protection against loss of tines**
- ▶ *Smooth top side of the tine arm, so no forage remains stuck*

THREE-POINT ATTACHMENT ALPINE HAY TEDDER

TH 401 DS
TH 401 DN
TH 431 DN
TH 601 DN

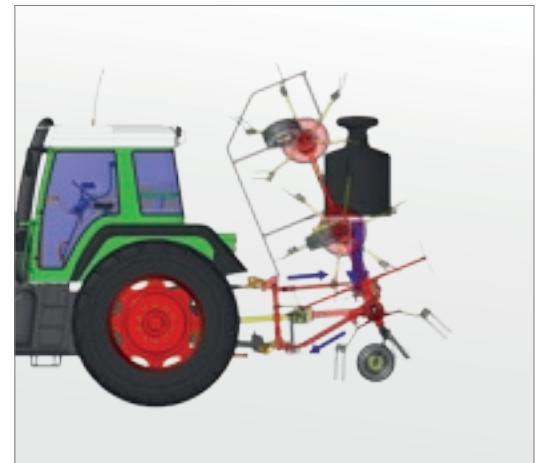
- Specialists for alpine terrain
- Lightweight construction
- Easy to handle



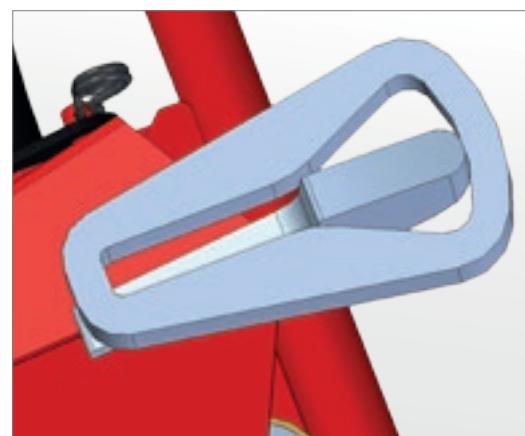
TH 601 DN



Transport position



Patented traction/compression system



Locking mechanism in the three-point headstock
(TH 401 DN and TH 601 DN)



Robust frame joints

SPECIALISTS FOR ALPINE TERRAIN

FELLA has specially developed three very light yet robust hay tedders for alpine terrain. Maximum safety is ensured even on extreme slopes thanks to the low centre of gravity and the compact transport position.

As with all FELLA hay tedders, the forage is picked up by the tines and turned gently without suffering damage. A light, loose and well-mixed spread of forage is created, all of top quality. The edge spreading device which is fitted as standard (TH 401 DN, TH 431 DN and TH 601 DN) helps you to avoid any loss of forage even under the most difficult of harvesting conditions or when working in hillside lines. Using the spreading angle adjustment system, it is possible to adjust the rotor pitch to three different positions. This provides you with the advantage of being able to optimally adjust yourself to the most varied of harvesting conditions.

TRACTION COMPRESSION SYSTEM

Through the patented traction compression system, the weight of the machine is transferred onto the lower links. The towing point between hay tedder and tractor is then positioned very low. As a result, no bending moment is produced and there is no wear on the three-point headstock. When lifting the machine at the headland, the hay tedder is automatically centralised, which provides safe and stable driving behaviour. When back at work, the system again ensures optimum ground contour following and very good trailing behaviour of the hay tedder. Even when travelling downhill, the machine does not run into the back of the tractor. The tines are reliably prevented from piercing the ground, thereby sparing your sward from mechanical damage. Forage contamination is kept to a minimum, providing top-quality forage thanks to the FELLA patent.

INTEGRATED SWING BRAKE

The TH 401 DN and TH 601 DN models are equipped with an integrated, adjustable swing brake. The brake reliably prevents the hay tedder from generating a rocking motion where there are heavy deposits of forage or the tractor and machine are travelling at relatively high speeds.

CONVENIENCE OF OPERATION WHICH SPEAKS FOR ITSELF

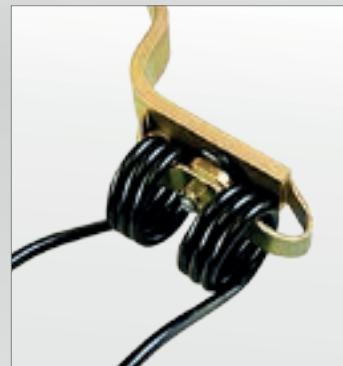
The rotors are easily folded in and out hydraulically in a synchronised operation directly from the tractor seat. Thanks to this synchronised lifting facility, safe operation is also possible when working on hillsides.

At a glance:

- ▶ *Specially developed for alpine terrain*
- ▶ *Locking mechanism in the three-point headstock (on TH 401 DN, TH 601 DN)*
- ▶ *Short attachment to the tractor*
- ▶ *Synchronised lifting of the rotors*
- ▶ *Edge spreading device as standard*
- ▶ *Super C tines*

WE RECOMMEND*:

- ▶ Contact wheel for improved ground adaptation
- ▶ Electric lighting for when working days again become longer
- ▶ Tine saver



* AS AN OPTION

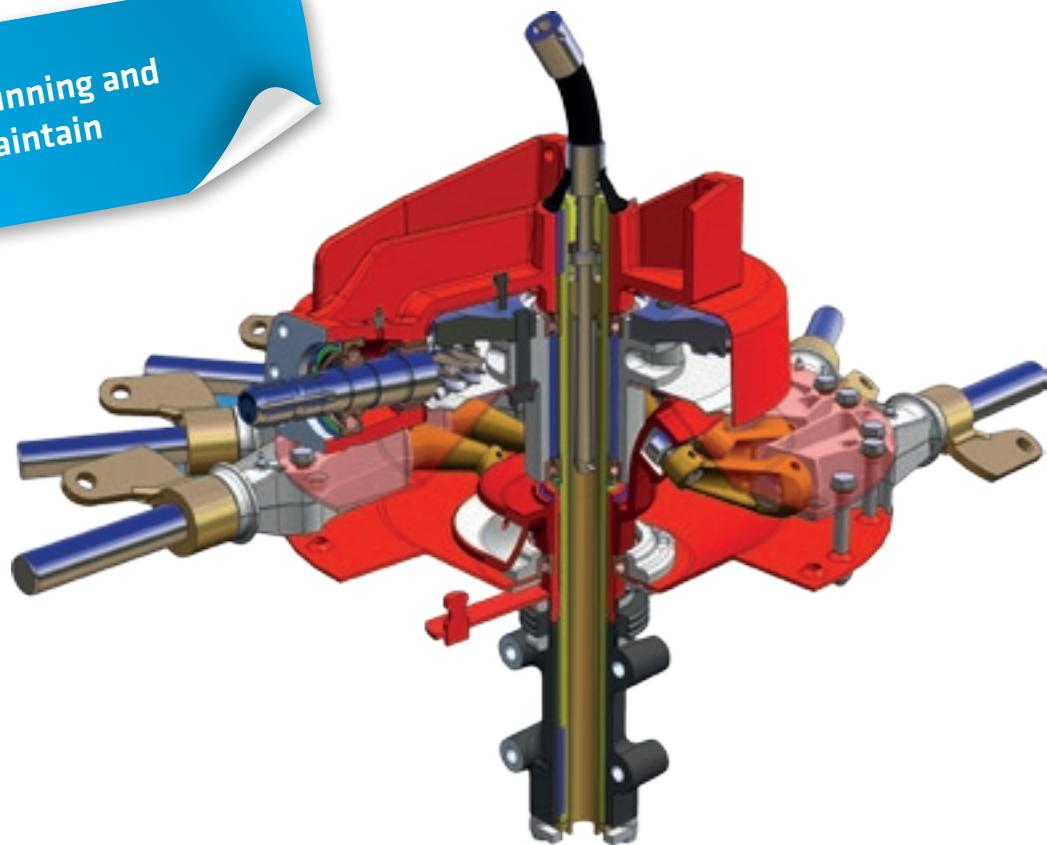
TYPICAL FEATURES OF FELLA RAKES

RAKE HEAD

The rake head from FELLA is impressive because of its enclosed design that protects all of the important components against dirt and dust. This design is a guarantee for a long service life. The optimised shape of the cam track, which is made of unbreakable spheroidal graphite cast iron, provides maximum smooth running and quick, precise lifting of the tines. The large-dimensioned drive unit and the precision, manufactured tine arm housing made of aluminium alloy both are good examples of modern and practice-proven design.



Smooth-running and
easy to maintain



TANGENTIALLY ARRANGED ROTOR ARMS

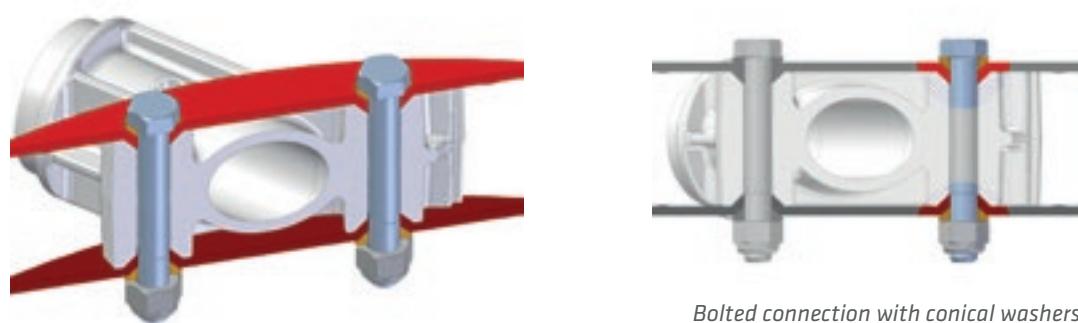
Best raking quality is achieved with the tangential arrangement of the tine arms and an ideal swath is created. It makes significantly higher working speeds possible – the best prerequisites if the harvesting weather is not in your favour.



*Support arms**

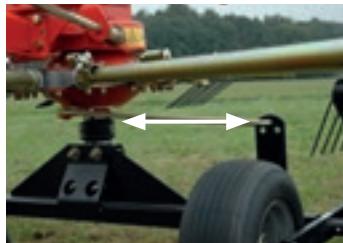
SPECIAL SCREW-ON CONNECTION FOR THE RAKE HEAD

The rake head is bolted together using a conical washer to form a sturdy fix. This has the advantage that the bolts are not subjected to shearing effect, but rather only to compressive and tensile forces. In addition, this results in a perfect centring and stability for a long service life. If necessary, the support arms can be replaced individually without having to dismantle the rake socket.



Bolted connection with conical washers

* Image similar: The TS 301 DS and TS 501 DS single-rotor rakes have eight and ten support arms respectively. The basic design of the rotor head is identical.



INDIVIDUAL TINE CONTROL BY CAM TRACK ADJUSTMENT

The point at which the tines are lifted from the swath can be changed quickly and without tools* at any time and, as a result, be adjusted to the particular deployment and forage conditions. All you have to do is simply reposition the cam track retaining rod in the hole arrangement and you then avoid any loss of forage and produce tidily formed swaths. Other adjustments can be made to the longitudinal and transverse inclination of the rotor head. In this way, you can achieve high driving speeds – even under difficult working conditions.

RAKE DEPOSIT TO THE RIGHT

All FELLA single-rotor rakes place the swath to the right. In this way, you always have your perfect swath in view, because the operating controls in the tractors nowadays are on the right. Depositing on the right – makes ergonomic sense!

Swath deposit on the right – swath always in view!



PERFECT WORKING HEIGHT

The linear height adjustment, which is fitted as standard, can very easily and conveniently adapt the working height to your soil conditions.



POWER TRAINS

All power trains in the FELLA rakes are equipped with overload protection. This prevents expensive repairs and long downtimes during the forage harvesting season.

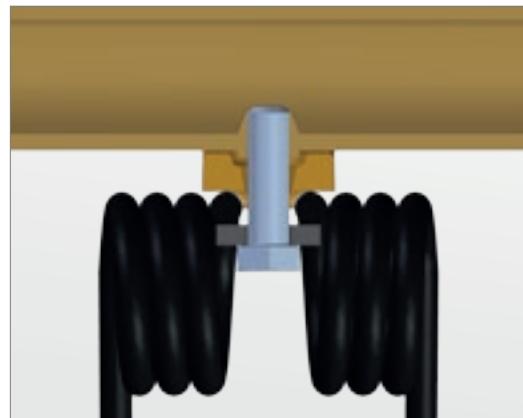
Linear height adjustment

TINE FIXTURE

The tines are not pushed over the tine tube; instead each tine is bolted in from the bottom. The advantage of this is that the side of the arm facing the forage is absolutely smooth and therefore does not allow forage to stick to it. If there is wear, not all of the tines need to be removed to change the inner tines. In addition, the tines have greater freedom of movement, because they are not limited by the tube.



Each tine is bolted in place individually beneath the tine arm



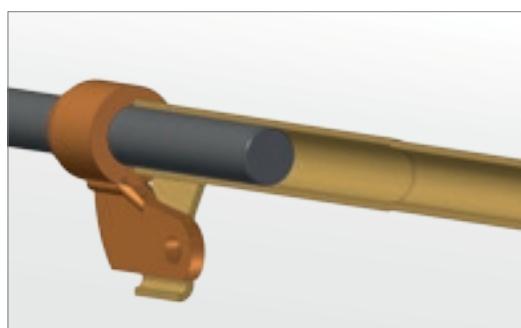
Tine fixture



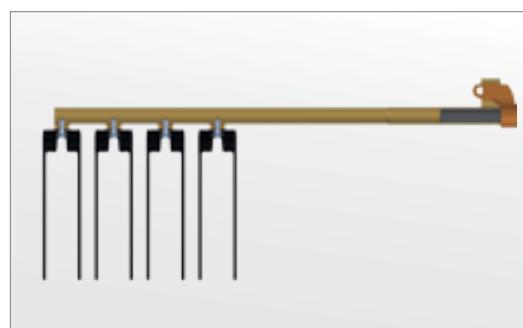
Absolutely smooth front side of the tine arm

TINE ARMS

All tine supports at FELLA are made of sturdy tube material and are manufactured from one piece of metal. The connection point to the tine arm is machined for a perfect fit which makes it possible to insert the tine arms easily and reduces wear on this heavily stressed point to a minimum. In addition, this design makes repairs quick and easy when they are required.



Perfectly fitting connection point to the tine arms



THREE-POINT ATTACHMENT WITH RIGID HEADRACK

TS 301 DS TS 351 DS

- Specialists for alpine terrain
- Front and rear-mounted fitting possible
- Tidy raking



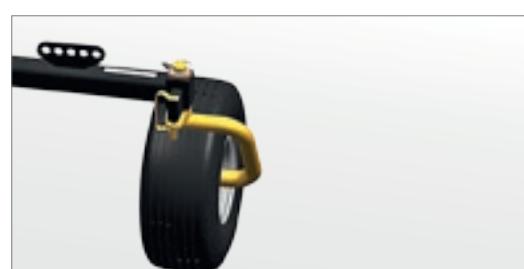
TS 351 DS



Universal gear



Transport position



Lockable pivoting wheels



THE SPECIALISTS FOR ALPINE TERRAIN

Whether front or rear-mounted, with the single-rotor rakes TS 301 DS and TS 351 DS, FELLA offers two all-round performers with rigid headrack for alpine terrain. Due to its low weight and short and compact attachment, these FELLA rakes can be used with a tractor power level of as low as approx. 20 hp. Ideal for mountainous regions which demand powerful machines, while at the same time carefully handling the sensitive underground structure. The ease of handling of the FELLA single-rotor rake is another impressive feature.

SWATH

Very exact swaths are possible even with a large forage mass thanks to the extra strong tine arms and the long tines. Thanks to a cam track that can be adjusted on the outside, optimal swath formation is guaranteed at all times for all follow-up devices. In addition, the width of the swath can be adjusted to your requirements using the continuously adjustable swath former.

TRANSPORT

Thanks to the removable tine arms and the fold-up swath former, the transport and storage width is narrow. Thanks to the spring support, the swath former can be folded with little effort.

DRIVE

The drive is via single-stage bevel gear with a split double bearing pinion shaft. In addition, the gear box and cam track are enclosed and dust-tight, which guarantees a long service life.

At a glance:

- ▶ Allrounder for alpine terrain for front or rear mounting
- ▶ Low weight, small tractors
- ▶ Perfect and precise swaths
- ▶ Sturdy, dust-tight, double bearing-mounted drive
- ▶ Narrow transport and storage width
- ▶ Moveable lower link bracket
- ▶ Lockable pivoting wheels as standard
- ▶ Short headrack
- ▶ Steplessly adjustable swath cloth

WE RECOMMEND*:

- ▶ Contact wheel 15/6.00-6, for improved ground adaptation
- ▶ Front-mounted set



* AS AN OPTION

Conditioner from FELLA



FIRST-RATE HARVEST!

Based on tradition, innovation and passion.



ALPINE CONDITIONER



KC 285 D

WHY CHOOSE A CONDITIONER?

The mower-conditioner combination shortens the natural fermentation process of the mowed forage by hours. This gives you a decisive time advantage, particularly in unpredictable weather conditions – a quicker and safer way to produce your quality forage.

Through the use of a conditioner, the wax layer on the forage is rubbed off and a loose, lightly packed swath is deposited. Through intensive air circulation, moisture loss is accelerated and the dissipation of ground moisture which may be present is encouraged. 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.



KC 275 D KC 285 D

- Ideal for alpine terrain
- Perfectly suitable for combination with front-mounted mower



KC 285 D in use



KC 275 D in use



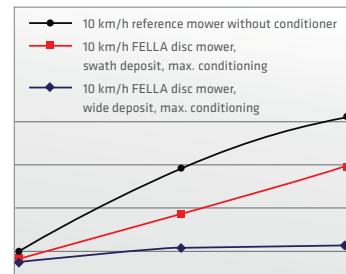
KC 285 D – forage can be deposited across the entire width (left) or in a narrow swath (right)

TINE-ROTOR CONDITIONER

The spring tine rotor and the four-position adjustable conditioning comb produce a wavy forage structure 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. Due to the preparation intensity, which can be easily adjusted using a counter-comb, a costly adjustment to the speed using a separate gear box is not necessary. This saves both weight and fuel, reduces the maintenance required and therefore saves you money. The conditioner is driven using universal joints and is secured against overload using a shear bolt – a simple, but reliable drive concept.

CONDITIONER FOR THE THREE-POINT ATTACHMENT

With the combined use of a front-mounted mower and a KC 275 D or KC 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. The forage is optimally prepared and loosely deposited by the conditioner – an important requirement for perfect quality forage.



Graphical representation of the progression of drying: The reference swath (black line) was mown with a disc mower without conditioner. The use of a conditioner considerably shortens the drying time of the mown forage (source: DLG Test report SM 400 Trans).

IMPROVED CONDITIONER RESULTS

The FELLA KC 285 D tine-rotor conditioner is equipped with a chequered plate as standard at the top of the conditioner hood. This provides improved conditioner results.



At a glance – KC 285 D:

- ▶ Improved conditioner effect thanks to an additional chequered plate
- ▶ Forage deposit across the entire width or in a narrow swath, depending on weather conditions
- ▶ Maximum forage throughput even for large quantities
- ▶ Improved forage quality
- ▶ Spreader that can be adjusted without the need for tools



WE RECOMMEND*:

- ▶ Set of 215/65-15 tyres for smooth machine operation and no damage to the sward



* AS AN OPTION

TECHNICAL SPECIFICATIONS

Mowers	SM 210 FK	SM 210 FK-S	SM 260 FK	SM 260 FP	SM 260 FP-S
Dimensions and weight					
Approx. working width in m	2.05	2.05	2.50	2.50	2.50
Approx. transport width in m	2.08	2.08	2.50	2.50	2.50
Approx. swath width in m	1.10	1.10	1.35	1.35	1.35
Approx. transport height in m	-	-	-	-	-
Approx. transport length in m	1.13	1.18	1.29	1.21	1.21
Approx. weight in kg	369	373	410	474	504
Power requirement					
Approx. power requirement in kW/hp	19/26	19/26	22/30	28/38	28/38
Attachment					
Three-point	KAT I	KAT I	KAT I	KAT II	KAT II
Two-point lower links	-	-	-	-	-
Mower unit					
Mower discs	4	4	4	4	4
Blades per mower disc	2	2	2	2	2
Quick-release blade system	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-
Conditioner	-	-	-	-	-
Transverse conveyor belt	-	-	-	-	-
Lateral movement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hydraulics and PTO stub shaft					
Required hydraulic connections	-	-	-	-	-
PTO stub shaft speed in rpm	540/1,000	540/1,000	540/1,000	540/1,000	540/1,000
Lighting and tyres					
Electric lighting	-	-	-	-	-
Warning signs	-	-	-	-	-
Transport wheel	-	-	-	-	-

■ Series Equipment variant - not available

Illustrations show some of the special equipment. The right to technical revision is reserved.

Some machines available in selected countries only. The images provided do not necessarily correspond to the most recent version of standard equipment.

Hay tedders	TH 401 DS	TH 401 DN	TH 431 DN	TH 601 DN
Dimensions and weight				
Approx. working width in m	4.00	4.00	4.30	5.70
Approx. transport width in m	2.33	2.33	2.44	2.55
Approx. parking height in m	2.13	2.57	2.36	3.00
Approx. transport length in m	1.57	1.88	1.88	2.10
Approx. weight in kg	305	365	385	498
Hitching				
Three-point	CAT I + II			
Two-point lower links	-	-	-	-
Tractor linkage drawbar	-	-	-	-
Towing jaw	-	-	-	-
Power requirement				
Approx. power requirement in kW/hp	20/27	20/27	22/30	25/34
Rotors/tine arms				
Number of rotors	4	4	4	6
Number of tine arms per rotor	5	5	6	5
Anti-tine loss protective device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Edge spreading device	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Spread angle adjustment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overload protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hydraulic control units				
Required hydraulic connections	1 x SAV	1 x SAV	1 x SAV	1 x SAV
Tyres, lighting				
Rotor chassis tyres	13/6.50-6	15/6.00-6	15/6.00-6	15/6.00-6
Chassis tires	-	-	-	-
Lighting equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning signs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Rakes	TS 301 DS	TS 351 DS	Conditioner	KC 275 D	KC 285 D
Dimensions and weight			Dimensions and weight		
Approx. working width in m	3.40	3.60	Approx. working width in m	1.73	1.82
Approx. rotor diameter in m	2.50	2.70	Approx. weight in kg	398	548
Approx. transport width without tine arms in m	1.70	1.70	Conditioner		
Approx. transport length in m	2.03	2.13	Conditioner	Zinken	Zinken
Approx. weight in kg	330	370	Power requirement		
Power requirement			Approx. power requirement in kW/hp	15/20	25/35
Approx. power requirement in kW/hp	17/23	25/34	Shaft speed		
Attachment			PTO stub shaft speed in rpm	540/1,000	540/1,000
Three-point headstock – rigid	CAT I + II	CAT I + II			
Three-point headstock, free dropping	-	-			
Tractor linkage drawbar	-	-			
Rotor, arms, tines					
Swath deposit	right	right			
Number of rotors	1	1			
Number of tine arms per rotor	8	10			
Number of tines per arm	3	3			
Hydraulic control units					
Required hydraulic connections	-	-			
Tyres, axles, lighting equipment					
Tyres	15/6.00-6	15/6.00-6			
Tandem axis	-	-			
Lighting equipment	□	□			

FELLA FOR YOU

"We can't change the weather, but we have the machines that will allow you to make the most of any conditions."

Your FELLA team



PHILOSOPHY

For FELLA, close contact with our customers is very important. The experiences of farmers and agricultural contractors who use FELLA products around the world is collected and is purposefully incorporated into the design of our products.

PATENTS

It is FELLA's objective to create ingenious and sustainable solutions for our products. This has already been well documented through numerous FELLA patents.

SERVICE

"Out of sight, out of mind." But not at FELLA!

Together with our dealers, we are always there and ready to provide reliable support to our partners, both at home and abroad – as we have been doing for almost 100 years. In conjunction with our well organised spare parts stores, regular further technical training for our dealers ensures that FELLA machines can be used, maintained and repaired to a professional standard. This comprehensive service ensures minimum downtime for your FELLA machines and makes a significant contribution to high-yield and stress-free forage harvesting.

- ▶ *Exceptionally wide range of mowers, hay tedders and rakes*
- ▶ *Innovation and progress: continuous further development for a first-rate harvest*
- ▶ *Minimum downtime, maximum machine availability thanks to professional dealers and a well-organised spare parts supply*
- ▶ *Long service life machines "Made in Germany"*



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