

# Mayor 640 | 770 | 820



Leading in soil structure –  
preventing capping and erosion



Self-cleaning Prisma Roller  
Diameter 45/50 cm

A versatile solution for fields and pastureland  
that can be used all year round.

40 years



**GÜTTLER**<sup>®</sup>  
*Leading in Soil Structure*

# The self-cleaning prisma roller

The roller with the sheep's hoof effect: With 305 prism points per square metre, it achieves the same effect as a flock of sheep walking over the field.

On pastureland, you can achieve denser turf and reliable reseeding, leaving fields with a virtually perfect soil structure.



## No ordinary roller:

The characteristic prism points around the edge make these rollers unique. Two half rings of different sizes work together in pairs: The smaller half ring sits on the shaft, the other half ring is around 5 cm larger and runs on the hub of the smaller one.

- In the ground, both half rings are at the same level – so they exert the same pressure on the soil
- When rolling, the larger half ring slides upwards by 5 cm
- The smaller half ring turns faster than the larger one

Our rollers are renowned for their self-cleaning ability, which is achieved thanks to the relative movements of these two half rings.

## Success comes in two sizes:

### Ø 33/38 cm

Used in the Mediana series, approx. 230 kg/m (as an attachment to a tractor's front or rear three-point linkage)

### Ø 45/50 cm

Used in the following series:

- Matador – three-point roller for front and rear, approx. 330 kg/m
- OffSet, Mayor, Master, Magnum – trailed rollers with transport wheels and drawbar, approx. 500 to 550 kg/m



**The roller with the golden hoofprint®**  
*The original. Since 1978.*

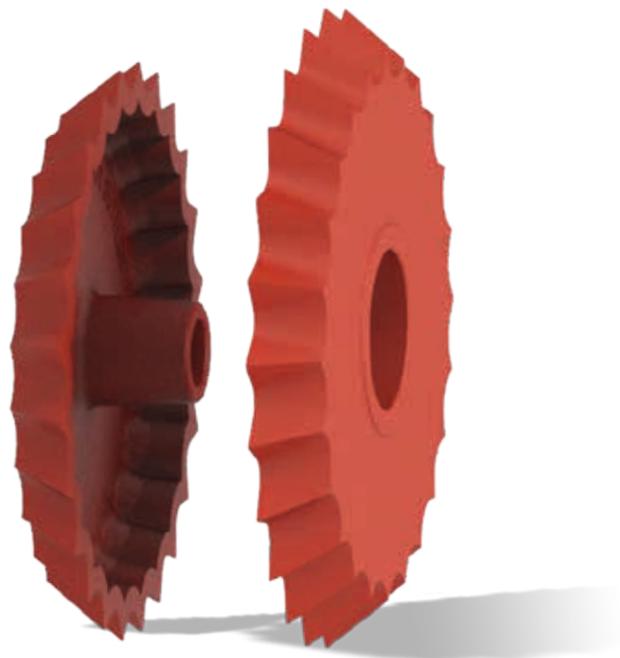


### Why not design a heavier roller with a bigger diameter?

It's not that we aren't capable of designing rings that are bigger and heavier: However, over 40 years of experience has taught us that this may not be an ideal solution.

Our soils generally suffer not from a lack of consolidation but from excessive compression due to heavy vehicles.

Implements need to be light enough to avoid the risk of literally removing the air from valuable soil.



Ø 45/50 cm

# The golden hoofprint in agriculture.

Leading in soil structure



**The roller with the golden hoofprint®**

*The Original. Since 1978*



## Not ideal

**Soil is pressed smooth, causing a firm surface with a fine structure**

Capillary takes water to the surface, meaning valuable moisture evaporates. Rainfall quickly causes a capped surface on the seedbed.

There is a high risk of erosion and the crust formation prevents seedlings from emerging. Understandably, this is a big fear for farmers – they must carefully consider whether to rolling their fields is the best course of action.



## Ideal

**An optimal seedbed**

Our main goal when developing the Güttler roller was to achieve an optimal seedbed, and this has definitely been accomplished:

Firm and fine below - connection to water-bearing capillarity, perfect seed embedding. Loose and crumbly above, which prevents the soil capping and drifting  
The result: Improved field emergence and strong crops!





An optimal seedbed with a stable crumb structure



### A stable crumb structure

Winter wheat after the seeds have been rolled in October.

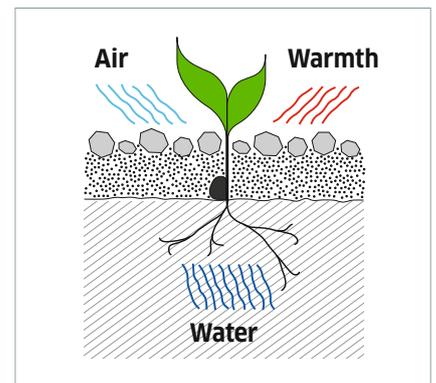
The seed is at a solid, water-bearing seed depth. Improved field emergence, reduced risk of winterkill, vigorous crop growth.



### The same crop at the end of February

The crumb structure has broken down slightly due to winter precipitation, but it is still clearly visible.

- Gas is still exchanged
- Soil warms up rapidly
- Strong crops



### An optimal seedbed

For an improved and quick field emergence the seed needs three factors:

- Warmth
- Air
- Water

These are exactly what GÜTTLER® rollers provide.

# The golden hoofprint in pastureland maintenance.

Already our great-grandfathers knew the effects of animal hooves on pastures:

- Strongly stimulates grass tillering
- Provides soil contact to ensure successful reseedling

The prism points of GÜTTLER® rollers replicate the effect of animal hooves on pastureland and fields.



## Rolling winter-damaged turf

Alternating frosts causes grass to deep freeze, meaning the roots lose their connection to the capillary action in the soil and the grass dies due to a lack of water. 305 prism points per square metre apply pressure in "just the right place" and reliably restores the contact between the turf and the soil.

## Stimulating tillering

The prisma roller strongly stimulates tillering.

This has the following effects:

- Denser turf = higher yields
- Strongly developed roots
  - = robust turf and reduced feed contamination
  - = the grass is better able to reach water in dry conditions

## Soil contact for reseedling

305 prism points per square metre ensure that the grass seeds reliably find contact with the soil.

## The Aulendorf system:

The State Teaching and Research Institute in Aulendorf sowed grass seeds over a wide area and rolled them using the prisma roller.

They compared how successful this method of reseedling was in comparison to a special seeder (slit seeder).

## The result:

**"Despite a lower seed rate, the GÜTTLER® roller performs as well as drill seeding"**



The GÜTTLER® roller has a built-in "golden hoofprint".



Important especially on pastureland: All the prism rings are arranged aligned, meaning no friction damage during tight turns.



Rolling winter-damaged seeds and stimulate tillering.

### Leaf and node damage strongly stimulates tillering

When soil deep freezes, roots lose their connection to the capillary action, meaning they cannot obtain water. The crops do not freeze – instead, they die of thirst. Rolling in early spring achieves the following results:

- Roots are reconnected to the soil water
- Tillering is stimulated and crop density is restored
- Crusts are broken

Gas is exchanged, the soil warms up quickly and valuable soil moisture is preserved. The crops rapidly "come to life".





# Rolling seeds

Press on strongly frozen winter seeds to restore the soil contact.

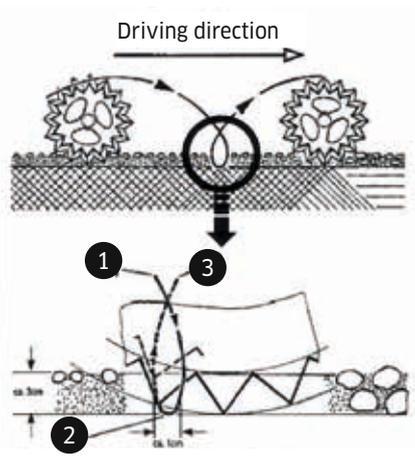
Break crusts and keep moisture in the ground.

Leaf- and node damages strongly stimulates tillering.

## The prism points cannot pull seeds out of the soil.

The trajectory of the prism points in the soil:

- 1 = The prism points penetrate the ground vertically.
- 2 = A small horizontal movement backwards allows GÜTLER® rollers to perform their famous selection process: Fine soil trickles downwards and coarse crumbs rise upwards, just like a harrow tine. For our grandfathers, intensively harrowing winter crops in the spring to stimulate tillering was the norm.
- 3 = The prism points are removed vertically from the soil.



## Pressing the seeds into the soil

In dry areas: Press down the plants, create soil contact. The loose, crumbly surface prevents the soil from drying out, preserving the valuable moisture. Loose stones are also pressed down.





### Breaking crusts in sugar beet fields

If soil is too finely worked and has a high silt content, it tends to form crusts after rainfall. If this happens as the sugar beet is germinating, it takes a lot of effort for the plants to break through the crust.

This is where the roller with golden hoofprint helps.  
Drive carefully and do not exceed 6 km/h.

Of course, seedlings may be damaged or have a sprout broken off from time to time – but overall, the losses are negligible, especially compared with the alternative of doing nothing and leaving the crusts.

This is based on 40 years of experience. Our customers tell us that it makes no difference whether the field is rolled longitudinally or transversely across the rows.



Gas is exchanged and rainfall can soak in.



This seedling would never have managed to break through on its own!



# Breaking crusts

Significant crust formation, a lack of gas exchange, soil that warms up slowly! These conditions pose a real challenge for young maize plants.

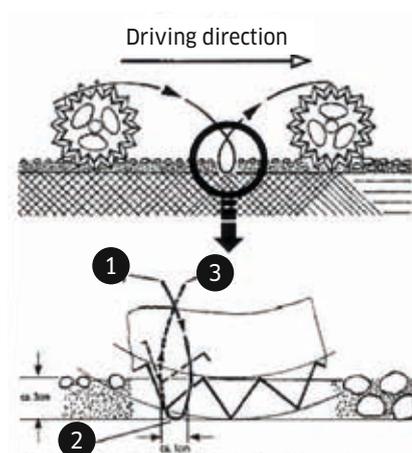
This farmer has plucked up the courage to break the crust using the GÜTLER® roller – slowly and carefully, of course!



## The prism points cannot pull seeds out of the soil.

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- 2 = A small horizontal movement backwards allows GÜTLER® rollers to perform their famous selection process: Fine soil trickles downwards and coarse crumbs rise upwards, just like a harrow tine. In the past, it was common to break crusts using the hoofprints of sheep.
- 3 = The prism points are removed vertically from the soil



# Combatting corn borers

The surprise winner in the  
TOP AGRAR COMPARISON TEST.  
Issue 5/2015

The test compared nine implements  
from different systems:  
rollers, soil processing implements  
and mulchers.



## The operating principle is quite simple:

The prism points "hammer" the maize stubble against the hard ground, like on an anvil.

During this process, any front implements that dig into the ground, such as harrows, tines, cutting rollers etc., must be disabled.

If the soil is worked beforehand, even if very flat, the maize stubble could "dive" underneath the roller.



## Rolling catch crops

It is essential to avoid lignifying the stalks of catch crops after they have flowered, so the crops are rolled and bent. This interrupts the vascular systems in the stems without excessively crushing the plants.

This provides good erosion protection for the winter and the plant material provides a long-term source of food for earthworms, while the infiltration capacity of the soil is also significantly increased.





Striking, crushing or breaking maize stubble makes it rot faster, meaning corn borers cannot survive the winter.

### Scarifying rapeseed stubble

Successfully planting winter rapeseed begins right after the rapeseed harvest:

As much volunteer rapeseed as possible should be encouraged to sprout so that it can be eliminated during subsequent stubble processing. It is recommend to scarify the rapeseed stubble only superficially during the first working process, so that the rubber-like pods burst and the

volunteer rapeseed can safely reach the soil through the chaff.

Ripperboard Quattro can be retrofitted for this purpose. If you have access to a harrow from the GreenMaster series, this would be ideal! Besides rapeseed stubble, the Ripperboard Quattro is also suitable for preparing seedbeds after ploughing or cultivator works.



# GÜTTLER® GreenMaster 600 | 750

The ideal addition.

The Mayor can be coupled to a GreenMaster whenever professional pastureland maintenance is required: allowing soil to be levelled, aerated, scarified, reseeded and pressed in a single process.

If required, both components can of course be used separately!



## **When it comes to seedbed preparation after ploughing or cultivator works, there are no limits to your imagination:**

Prepare seedbeds for sugar beet, maize etc. from winter furrow.

## **Prepare for seeding rapeseed or winter barley in a ploughed field:**

As soon as the ploughed soil dries up and turns grey, level your surfaces using this powerful

combination of components. The soil can be crumbled and recompacted before it dries as hard as a rock and requires enormous effort to work.

This not only preserves valuable moisture – it also makes subsequent seeding preparation easier and encourage weeds to sprout.

This makes it much easier to combat weeds later using either chemical or mechanical methods.





For professional pastureland maintenance, add a GreenMaster 600 or 750 to your Mayor roller.

### Cultivate catch crops with success

A huge impact at a moderate price.  
 The catch crop is dosed precisely by the pneumatic seeder and distributed widely into the harrow.  
 The robust harrow tines work the seeds in flat, while the GÜTTLER® roller ensures good soil contact and reliable field emergence. The stable crumb structure is resistant to capping and erosion.



Cultivating catch crops with success

### Reliably germinate volunteer rapeseed

GreenMaster scarifies the stubble and combs through the chaff. This causes the volunteer rapeseed to fall directly on the soil under the chaff and the rubber-like pods to burst. The GÜTTLER® roller also facilitates this process. Mulch cover causes a mini greenhouse effect, which causes volunteer rapeseed to quickly germinate and grow so it can be completely eliminated during subsequent flat stubble processing.



Scarifying rapeseed stubble to encourage volunteer rapeseed to germinate

# A modular system.



## Levelling bar

- Levels molehills on pastureland
- Breaks maize stubble to combat corn borers
- Bends catch crops

Parallelogram guide for ground contouring and prevents overloading



## Ripperboard Quattro

- Roughly levels ploughed soil
- Adds the finishing touches to the seedbed
- Scarifies rapeseed stubble

With spring suspension, 7.5 cm tine spacing and adjustable height and tilt



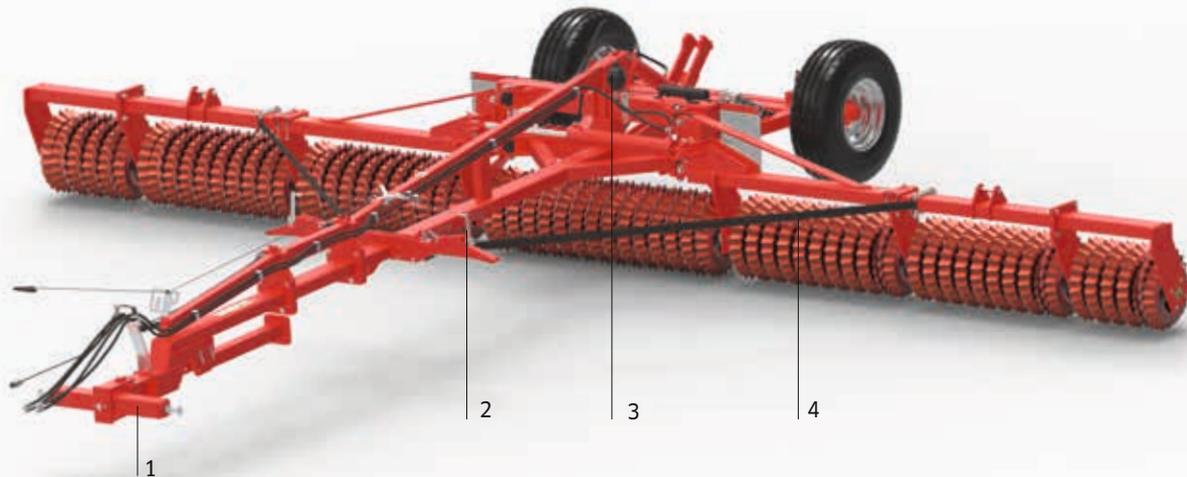
## Ground contouring

The folding joints allow the side sections to pivot up or down. Hydraulic pressure compensation distributes the weight of the frame and transport wheels proportionally to the side sections.

## Reversing using the transport wheels

Even in confined spaces, moving backwards is easy. For reversing, the roller can be instantly lifted using the transport wheels.

# Technology that pays off.



## A cutting-edge concept

The first generation Mayor has proven itself time and time again since 2005.

We've taken this solid basis and given it a facelift to keep it at the cutting-edge for a long time.



### 1 New drawbar

- Enables tight turns as the pivot point is behind the tractor wheels.
- The tractor can easily manage the support load when driving on public roads. No permissible loads need be observed for the drawbar.



### 2 Remote unlocking folding

- Safe on the road
- Convenient to operate



### 3 Hydraulic pressure compensation

- Weight is distributed from the drawbar and support wheels to the cantilevers
- Adapts to uneven terrain



### 4 Automatic belt tensioning

- Relieves the folding joints
- Fitted as standard with a view to later retrofitting with levelling bar or Ripperboard Quattro
- Winds automatically when folding

# Safe on the road.



## EU type approval for obtaining the operating licence as standard!

For trailed working machines with a total mass of over 3000 kg, an operating licence is required to drive on public roads. Without this you drive without insurance coverage. Mayor implements are supplied with a type approval in accordance with EU law. Based on this, the relevant authorities will grant an **operating licence for 40 km/h**.

## Safe transport width below 2.50 metres

Peace of mind on the road:

- Narrow travel width and low centre of gravity
- Type approval for 40 km/h in accordance with EU law

## Relieving the wheels

If the Mayor is standing in the same position for a long time, the weight can be taken off the wheels so they do not wear flat.

Wheel chocks are included as standard. Rest assured, this GÜTTLER® roller can be set down and positioned securely, even on sloping ground.



# Technical data.



## Mayor 640/770/820

Type	Working width	Transport width	Frame sections	Support load	Axle load	Weight
Mayor 640	6.40 m	2.10 m	3*	1,120 kg	1,900 kg	3,020 kg
Mayor 770	7.75 m	2.10 m	3*	1,240 kg	2,250 kg	3,490 kg
Mayor 820	8.20 m	2.10 m	3*	1,310 kg	2,330 kg	3,640 kg

\* The frames comprise a middle section and two foldable outer sections that are height-adjustable and equipped with hydraulic pressure compensation. Each roller axle is no longer than 1.80 m. Longer sections have a centre bearing to ensure the roller axles are extremely robust and resistant to bending.

Accessories	Weight
Tyres 19.0/45-17 14 PR surcharge for standard wheels 15.0/55-17 10 PR	120 kg
Levelling bar for Mayor 640	440 kg
Levelling bar for Mayor 770	480 kg
Levelling bar for Mayor 820	500 kg
Ripperboard QUATTRO for Mayor 640	510 kg
Ripperboard QUATTRO for Mayor 770	550 kg
Ripperboard QUATTRO for Mayor 820	570 kg

Further information		
Final assembly of the Mayor on-site:	approx. 1 hour; approx. 1.5 hours with front implements	150 kg
Required hydraulic connections:	2x DA	150 kg

# The best choice for your soil. Strong crops mean better yields!



### Mediana prisma roller

The medium-weight GÜTTLER seeding roller is less demanding on the tractor and the soil. Ideal for beet, maize, vegetables and rapeseed. Can be used at the front or rear.



### Simplex prisma roller

The optimal solution for power harrows: Made from synthetic material to reduce weight by almost 50% – unique worldwide! Easy to pull, with contact-free scraper.



### Avant and DUPLEX® front presses

Improve the seedbed in fewer passes and using less diesel! Less demanding on the tractor, the implement and the soil



### SuperMaxx®

Process double the area using half the fuel:  
The implement that can be used year-round to process flat stubble, prevent herbicide resistance, control weeds and apply slurry.



### Matador prisma roller

The all-rounder for front and rear use on fields and pastureland:  
For fields and pastureland

- Heavy seed roller at the front
- Pastureland roller at the rear
- Combats corn borers



### GreenMaster: The 5-in-1 system for field and pastureland:

The most effective implement for combatting rough meadow grass. Modular system: The harrow and roller can be used separately or combined

## Leading in soil structure



**GÜTTLER®**  
*Leading in Soil Structure*

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