

Trailed Disc Mower Conditioners



GMT
GMT FLEX



Powered by Kongskilde

High working speed



Robust mower with high working speed.

Features:

- Strength and Reliability
- High capacity
- Good articulation technique
- Effective conditioning

The GMT machines are JF's range of robust trailed disc mower conditioners. The machines are developed and constructed with particular focus on the following features: Strength and Reliability, good articulation technique, high capacity and effective conditioning.

This combination of features means that the machine is able to deliver a good working quality at high speed which ensures increased capacity.

The high working speed is obtained through the good articulation technique which means that turning on the headland requires a minimum of time. Furthermore the mower is equipped with the safety system Top Safe which protects the machine against collisions in case of irregularities in the field. This means that the mower can work at high speed without reducing the quality or damaging the machine.



Combine with a front mower and obtain larger working width

If you need to optimize your harvest further a larger working width could be the answer. The GMT can be combined with a GXF front mower whereby a working width of approx. 7 m will be achieved. Like the GMT mowers, the GXF front mower has good ground following abilities because of the unique contour suspension called Contour Float. With GMT it is also possible to optimise the machine chain with the equipment "Collector" for double swathing. Thereby the need for raking is minimised and the utilization of the following machines is optimised.

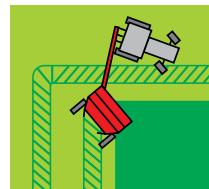
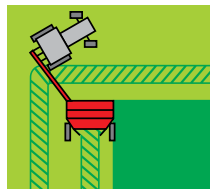


GMT 3205 L with collector.

Effective turning technique and excellent manoeuvrability



Since all GMT machines have a swivel gearbox on the drawbar, they are very manoeuvrable and easy to work with. This applies to the machines with lateral drawbar as well as the Flex machines with the longer central drawbar. This means you can turn 90° - without causing any vibrations.



Easy connection and disconnection

The GMT mower is equipped with a solid parking jack which ensures that the machine is safely parked. The drawplates are fixed to ensure easy connection and disconnection of the machine.



All GMT machines are equipped with a swivel gearbox drawbar system. This means easy manoeuvrability both in the field and in transport.



High ground clearance

Two cylinders lift the cutting unit during transport and operation on headland. This means that the mower will easily clear the previous mown swaths.



Stable operation

The GMT is designed for big wheels. The wheels are placed so that their outer edge is equal to the widest point of the machine. This ensures stability and the possibility of high turning speeds.



Hydraulic conversion to transport position

Conversion to transport is hydraulic. When activating the hydraulic swivel cylinder the machine moves to a position behind the tractor.

Cutter bar



The GMT disc mowers are equipped with the unique smooth JF cutter bar, which is characterized by:

Features:

- Top Service
- Perfectly smooth underside
- Low cutter bar
- Well protected cutter bar from underneath and inside
- Q+ blades with long life
- Full-covering skids which protect the gearbox from underneath

Benefits:

- Sparing the field and the crop during mowing and ensures quicker regrowth
- Ensures uniform stubble and a good flow in difficult conditions
- Longer life and lower costs

The JF cutter bar has a perfectly smooth bottom. The large bearing surface gives a low ground pressure.

With the JF cutter bar it is possible to leave a low and even stubble down to 40 mm since you can adjust the cutter bar to a low cutting angle of only 3°. You obtain a lower cut and thereby a uniform stubble height and a better flow in the machine.

The twisted Q+ blades are reversible and leave excellent stubble. The blades are immensely strong and have a long working life.



The counter knife is 2 mm higher than the cover of the cutter bar



Q+ disc with twisted Q+ blades



Protection of the cutter bar. The cutter bar is well protected against damage. The skid acts as integrated stone guard.



The Top Service design of the cutter bar makes it possible to check and replace a gear wheel or bearing on each disc

Top Safe



Top Safe consists of 4 lateral springs, 2 top springs and an adjustable drawbar extension.

Top Safe ensures safe work and high speed

Top Safe is the unique JF Anti Crash System. The system protects the machines efficiently when encountering stones and other obstacles and at the same time ensures low service costs and long life.

High working speed

The Top Safe system results in a unique combination of efficiency and safety. It is possible to work twice as fast with a Top Safe mower without increasing the impact in case of collision.

Effective stone protection

If the mower hits a protruding stone or another obstacle the Top Safe system is activated. The cutting unit is "lifted" over the obstacle whereby the collision is avoided. This means that damage is minimised and machine life is increased.

Good ground following

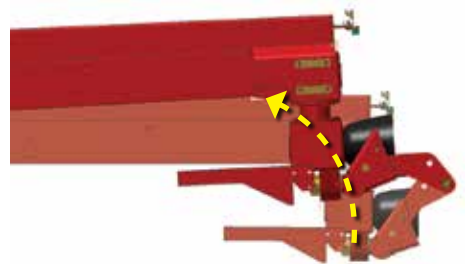
The Top Safe system also lets the machine glide freely across uneven ground which ensures excellent ground contour following, even at very high working speeds. This ensures a uniform stubble height and quicker regrowth. Furthermore the risk of earth contamination in the crop is minimised therefore the feed quality is improved.

Easy adjustment of Top Safe - independent of the ground pressure

Adjustment of Top Safe takes place by adjusting the top springs by using of a special tool supplied with the machine. The Top Safe adjustment does not influence the ground pressure since these two factors are adjusted independent of each other.



Easy adjustment of Top Safe.



If the obstacle is very large an adjustable extension link in the drawbar is activated and the machine is lifted even higher so that the obstacle is unlikely to stop the machine. The release power can be adjusted.



If the cutter bar hits a stone, the top spring is automatically compressed and the machine is lifted so that it can move undamaged over the obstacle.



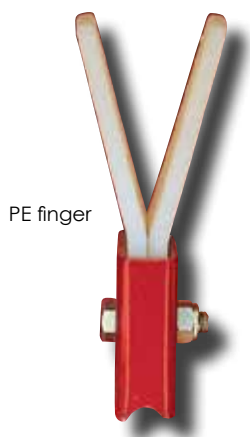
Adjustable drawbar extension.

GMT with Conditioner



Effective conditioning reduces the drying time.

GMT is available with different effective conditioner types. These conditioners ensure a more intensive treatment of the crop and quicker drying, at the same time the nutritional value of the crop is preserved.



Features:

- Long life
The PE conditioner is the most used type of conditioner from JF. The PE-fingers are made of polyethylene, are very hardwearing and have a long life. If a conditioner finger is lost in the crop it will cause no damage to the following forage harvester or injure the stomach of the cow.
- Belt drive
The conditioner is operated with belt drive which means easy maintenance. The belt drive also acts as a shock absorber, safeguards the transmission and ensures minimum loss of power.
- Better flow
JF's conditioners cover 85% of the working width, which means possibility of high driving speed and thus high capacity. In most cases a higher speed will also result in a better flow and better shaping of the swath. This again means better flow for the following precision chopper or baler, fewer stoppages, and consequently an optimization of the entire machine chain.

Continuous adjustment of the degree of conditioning

The degree of conditioning can be adjusted continuously with the supplied tool. This means that the degree of conditioning can always be adjusted to the local ground and weather conditions.



PE conditioner: PE-fingers provide a flexible and effective conditioning. The conditioner has a low static weight and requires minimum maintenance.

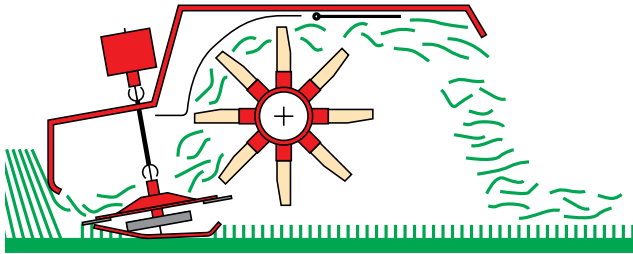


Flail conditioner: Steel flails can be used in areas with many large stones and extreme wear due to e.g. sand in the crop.

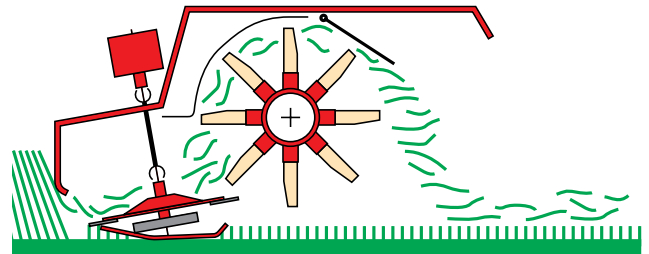


Roller conditioner: The roller conditioner is for more delicate crops that require a gentle conditioning in order not to lose the fodder value, e.g. alfalfa and clover.

Top Dry



Top Dry is not activated



Top Dry is activated

Quick adjustment to wide spreading with Top Dry

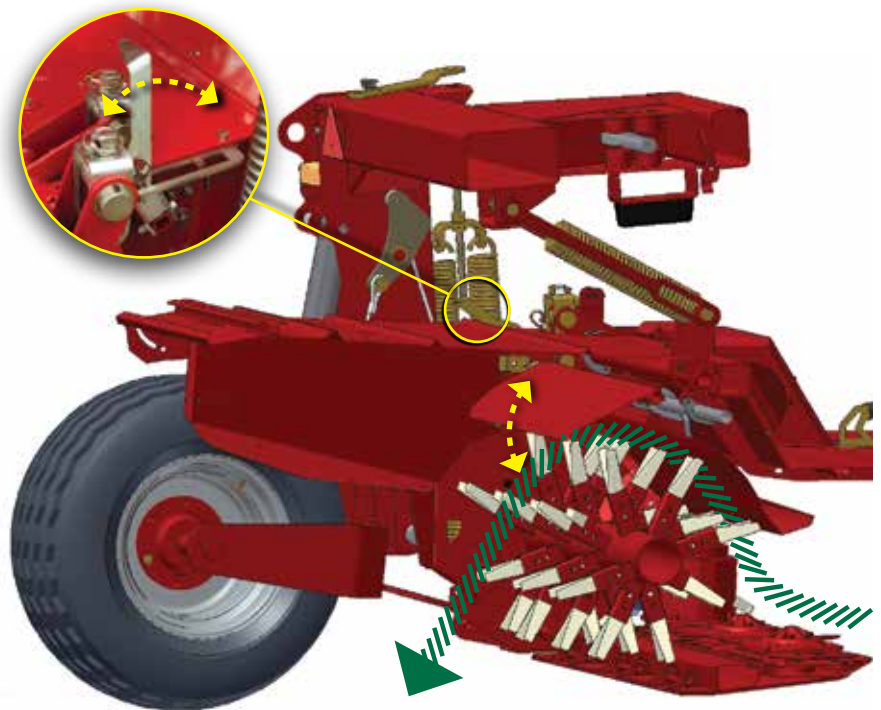
Top Dry is the name of JF's simple, but efficient system for wide spreading. If Top Dry is activated, the grass is spread over 80% of the working width and at the same time the conditioning is increased. This result in a wide and airy swath which reduces the drying time.

Quick adjustment with one handle

Top Dry is activated by means of a handle – no tools are necessary. The handle folds down a deflector behind the conditioner whereby the crop is widespread.

Very effective conditioning

The Top Dry plate is placed at the end of the conditioner plate and this means that the crop is pressed further against the conditioner when Top Dry is activated. This increases the conditioning of the crop and reduces the drying time.



Top Dry is activated



Top Dry is not activated



Ordinary swath

Top Dry - wide spreading

Adjustment of the machine



Easy and central adjustment of the machine.

Apart from the excellent working quality of the machine, JF has also focused on user friendly adjustment of the machine. Therefore JF has chosen to place the central adjustments at the left-hand side of the machine where they are easily accessible.



Practical handle for adjustment of the machine is supplied. An ordinary wrench can also be used.



Adjustment of Top Safe

Adjustment of Top Safe takes place by adjusting the top springs. The Top Safe adjustment does not influence the ground pressure since these two factors are adjusted independent of each other.



Adjustment of ground pressure

Adjustment of the ground pressure takes place by adjusting the big strong side springs by means of a special tool supplied with the machine. A fitting ensures that the spring keeps the desired adjustment.



Activation of Top Dry

Top Dry is easily activated with a practical handle. The handle folds down a deflector behind the conditioner whereby the crop is widespread.



Setting of stubble height

The stubble height can be adjusted continuously from 25-100 mm. The adjustment changes the cutting angle of the cutterbar and thereby the stubble height is also changed. The cutting angle is marked on an indicator. By mounting high guide shoes the stubble height can be increased by 30 mm.



Adjustment of degree of conditioning

The degree of conditioning can be adjusted continuously. The adjustment changes the distance between the conditioner plate and the conditioner whereby the crop is flowing.

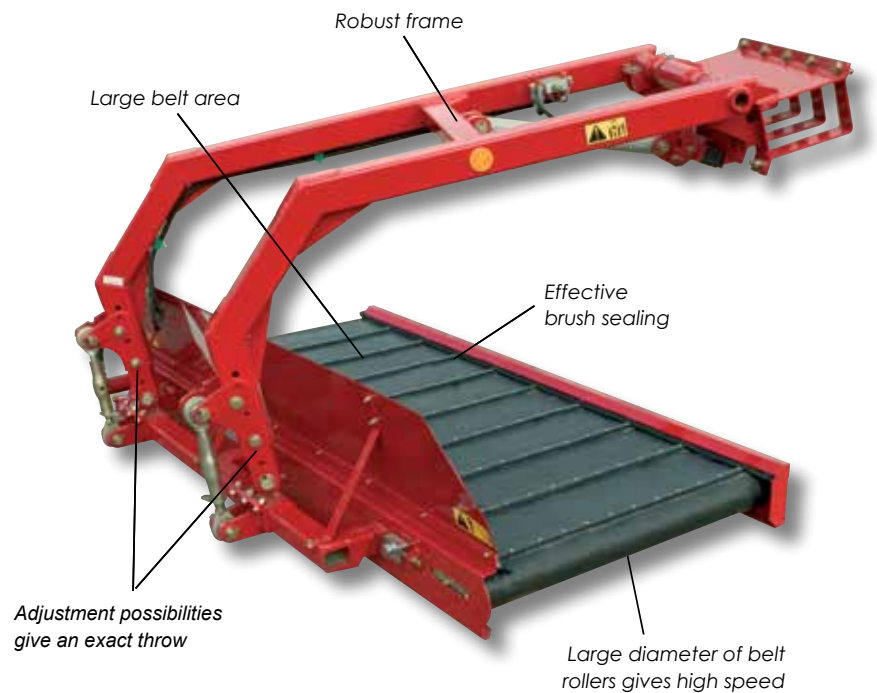
Double swathing optimises the machine chain



With the swath collecting belt Collector you can lay double swaths for the following machinery and thereby optimise the machine chain. Collector is very efficient whether you work with GMT alone or in combination with a front mower.

Collector has a good throwing ability due to the large belt area and the high belt speed. The belt is lubricated for life and has an effective, stiff brush sealing which eliminates crop residue getting underneath the belt.

Normal swathing and wide spreading with Top Dry is still possible when Collector is mounted on the machine.



When mowing the 1st swath the belt unit is lifted and the machine lays a normal swath. When mowing the 2nd swath the Collector for double swathing is activated.



When the swath collecting belt Collector is laying a double swath you do not have to rake the crop together. The chopper, loader wagon or baler can pick up the double swath directly whereby a more efficient grass harvest is obtained.

GMT Flex



With Flex you save time on the headland.

With the GMT Flex machines you can maximise the work by minimising the driving time on the headland when turning. The Flex machines are equipped with a central drawbar and two sets of swivel gearboxes. This means that you can work with the mower on both the left and the right side of the tractor. The swivel gearboxes are placed at either end of the drawbar so that you can easily turn on the headland and change from left to right.

The field can be harvested from one side, avoiding the creation of tapering lands and you can always use the full cutting width. A capacity increase of about 15% is the average benefit since the driving time on the headland is minimised.



Built-in swivel cylinder

The built-in swivel cylinder is adjusted so that the cylinder speed corresponds to the turning of the tractor on the headland. Thereby a smooth turning operation is obtained.

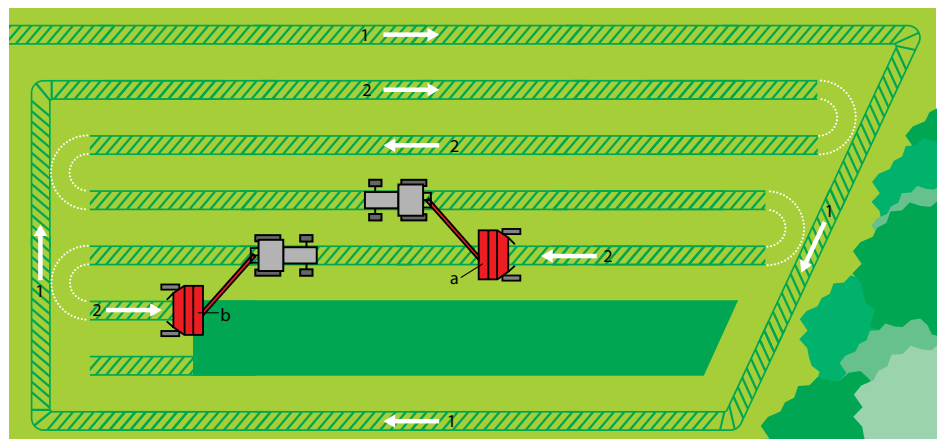


Extra swivel gearbox

Between the drawbar and the cutting unit there is a swivel gearbox. This gearbox ensures that the PTO shaft works at a safe angle. Vibrations are avoided and it is easy to shift between work on the right and the left side of the tractor.

This is how the Flex system works

1. Firstly it is necessary to drive 4-5 times around the field to provide headland turning space.
2. Then the Flex mowing can begin - with the mower alternately on the left (a) and the right (b) side of the tractor.



Flex-mowing with GMT
with central drawbar

Technical data



	GMT 3205 L P	GMT 3205 L S	GMT 3205 L R
Type	Lateral drawbar	Lateral drawbar	Lateral drawbar
Working width	3.15 m	3.15 m	3.15 m
Conditioner type	PE-fingers	Flails	Rollers
Top Safe	Yes	Yes	Yes
Type of disc	Q+	Q+	Q+
Number of discs/blades	8/16	8/16	8/16
Number of swivel gearboxes	1	1	1
Tractor, minimum	70 kW/95 HP	70 kW/95 HP	70 kW/95 HP
PTO, standard	1 $\frac{3}{8}$ - 6 splines	1 $\frac{3}{8}$ - 6 splines	1 $\frac{3}{8}$ - 6 splines
PTO with friction clutch and free wheel	1000 rpm	1000 rpm	1000 rpm
Oil outlet	II	II	II
Link arm category	1S + 1D	1S + 1D	1S + 1D
Transport width	3.0 m	3.0 m	3.0 m
Tyres, standard	380/55-17	380/55-17	380/55-17
Weight	2440 kg	2500 kg	2500 kg

	GMT 3205 Flex P	GMT 3205 Flex S	GMT 3205 Flex R	GMT 3605 Flex P	GMT 3605 Flex S	GMT 3605 Flex R
Type	Central drawbar	Central drawbar	Central drawbar	Central drawbar	Central drawbar	Central drawbar
Working width	3.15 m	3.15 m	3.15 m	3.55 m	3.55 m	3.55 m
Conditioner type	PE-fingers	Flails	Rollers	PE-fingers	Flails	Rollers
Top Safe	Yes	Yes	Yes	Yes	Yes	Yes
Type of disc	Q+	Q+	Q+	Q+	Q+	Q+
Number of discs/blades	8/16	8/16	8/16	9/18	9/18	9/18
Number of swivel gearboxes	2	2	2	2	2	2
Tractor, minimum	70 kW/92 HP	70 kW/92 HP	70 kW/92 HP	70 kW/102 HP	70 kW/102 HP	70 kW/102 HP
PTO, standard	13/8 - 6 splines	13/8 - 6 splines	13/8 - 6 splines	13/8 - 6 splines	13/8 - 6 splines	13/8 - 6 splines
PTO with friction clutch and free	1000 rpm	1000 rpm	1000 rpm	1000 rpm	1000 rpm	1000 rpm
Oil outlet	1S + 1D	1S + 1D	1S + 1D	1S + 1D	1S + 1D	1S + 1D
Link arm category	II	II	II	II	II	II
Transport width	3.0 m	3.0 m	3.0 m	3.4 m	3.4 m	3.4 m
Tyres, standard	380/55-17	380/55-17	380/55-17	380/55-17	380/55-17	380/55-17
Weight	2600 kg	2600 kg	2700 kg	2620 kg	2620 kg	2720 kg



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