

JF-STOLL

Trailed Disc Mowers

The GMS/GCS-range · Working width 2.8 - 3.6 m





GMS 3202

Increased capacity with higher working speed

The GMS/GCS machines are JF-STOLL's range of trailed disc mowers. The machines are developed and constructed in cooperation with farmers all over the world. The models are therefore reliable and proven machines with focus on the following features:

- High capacity
- Maximum machine safety
- Good articulation technique
- Effective conditioning

With these advantages GMS/GCS ensure reliable operation and high capacity

Good working quality is paramount

For JF-STOLL it is paramount that the working quality of the mowers is good.

The machines can be specified with a choice of knife and disc systems that local conditions require.

Higher working speed with unique safety system

One of the features that make the JF-STOLL GMS/GCS machines effective is the Top Safe system. This makes it possible to work at higher speed and thus increase the capacity. The Top Safe system protects the machine against vibrations and irregularities in the field so that it is possible to work at a high speed without reducing the quality or damaging the machine.



Easy operation

The GMS/GCS machines are very user-friendly. Operation between functions is performed quickly and effectively and the operator always has a good view of the whole machine from the tractor seat.

Combine with a front machine and obtain larger working width

If you need to maximise your harvest further a larger working width could be the answer.

The GMS mowers can be combined with a GD front mower. The GD front mower has a unique contour suspension which ensures that the cutter bar always follows the ground.

With GMS it is also possible to optimise the machine chain with equipment for double swathing, e.g. Collector II.

Working widths over 6 m can be obtained with JF-STOLL's GX triple set (see separate leaflet or www.jf-stoll.com).



A working width of approx. 6 meter can be achieved with the front-rear combination GD 3205 FM and GMS 3202. For further information, see separate leaflet or www.jf-stoll.com

Trailed Disc Mowers

Trailed Disc Mowers

GMS 280

Working width: 2.80 m
Conditioner type: PE-fingers

GMS 320

Working width: 3.15 m
Conditioner type: PE-fingers



Trailed Disc Mowers

GMS 3202

Working width: 3.15 m
Conditioner type: PE-fingers

GCS 3200

Working width: 3.15 m
Conditioner type: Rollers



Trailed disc mowers with central drawbar

GMS 3202 Flex

Working width: 3.15 m
Conditioner type: PE-fingers

GCS 3200 Flex

Working width: 3.15 m
Conditioner type: Rollers

GMS 3600 Flex

Working width: 3.60 m
Conditioner type: PE-fingers





GMS 280

Trailed disc mowers with effective turning technique



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

Excellent manoeuvrability

Since all GMS/GCS machines have a swivel gearbox on the drawbar, they are very easy to work with. This applies to the models with side-mounted drawbar as well as the models with the longer central drawbar (Flex). You can turn 90° - without causing any vibrations.



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.



Easy conversion to transport position

Conversion to transport is very easy. Simply activate the swivel cylinder and stop when the machine is central behind the tractor.



Easy connection and disconnection

The GMS/GCS mower is equipped with a solid parking jack which ensures that the machine is safely parked. It also ensures easy connection and disconnection.

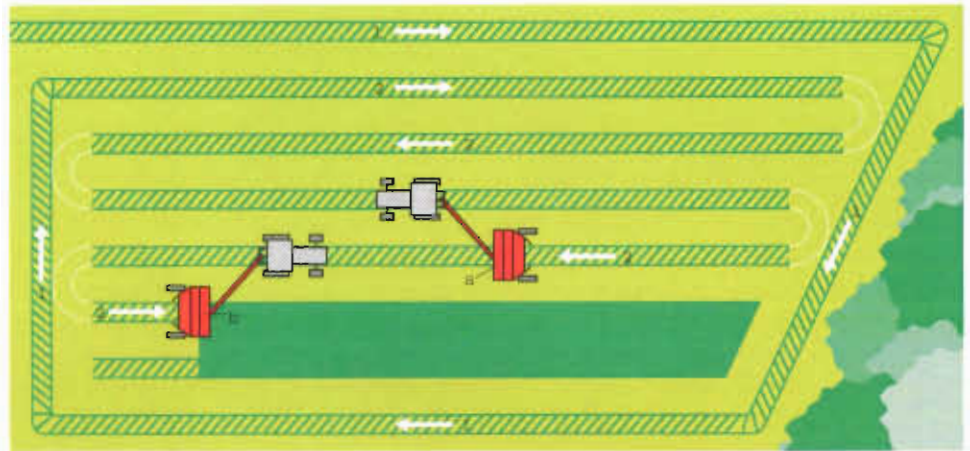
Flex saves time at either end

With the 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 side.

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.

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 driving method can begin. – with the mower alternately on the left (a) and the right (b) side of the tractor.



Flex-driving



Central suspension

The Flex machines have a central drawbar making it possible to work on either side of the tractor. On GMS 3202 Flex the swivel cylinder is integrated in the drawbar.

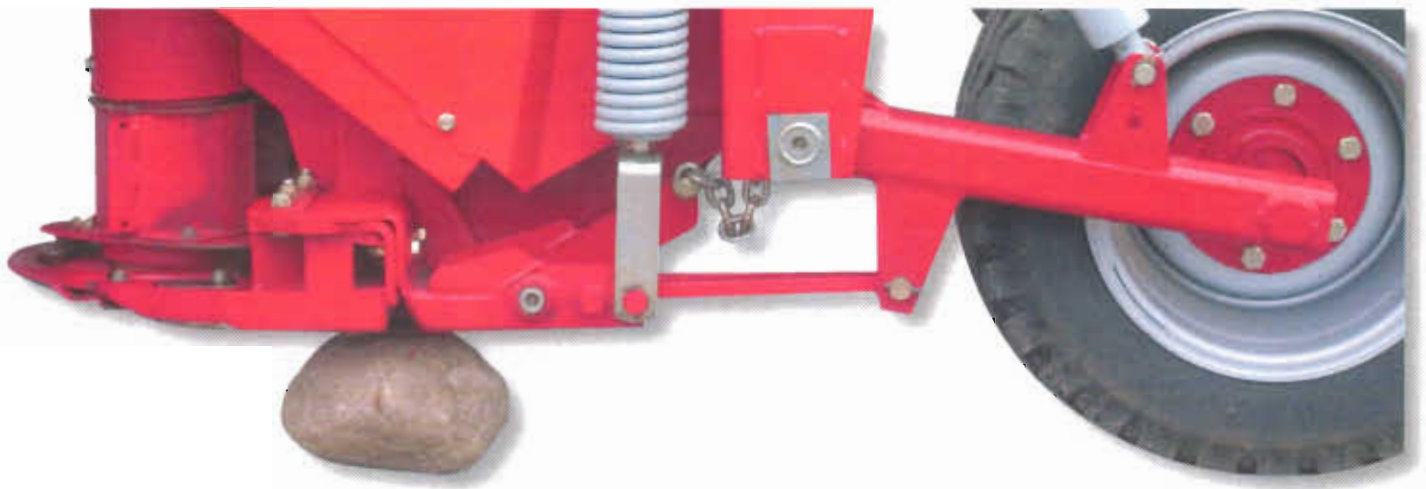


No vibrations

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.

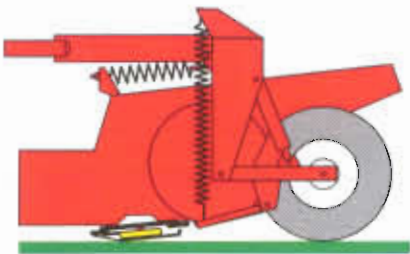
The Flex machines are equipped with a long, strong central drawbar. The photo shows GMS 3202 Flex.



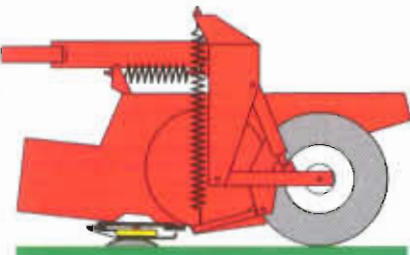


The Unique JF-STOLL Anti Crash System

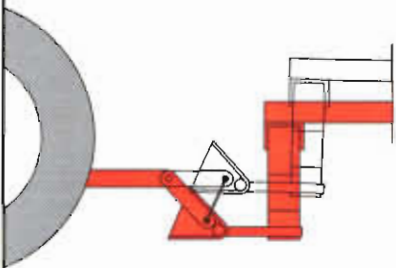
This is how Top Safe works:



On level ground the top spring is stretched and the cutter bar is in the normal position.



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.



If the obstacle is very large an extension link in the drawbar is activated and the machine is lifted even higher so that the obstacle is unlikely to stop the machine.

GMS 280/320 is not equipped with Top Safe but has a drawbar extension.

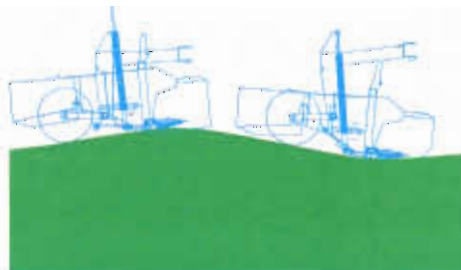
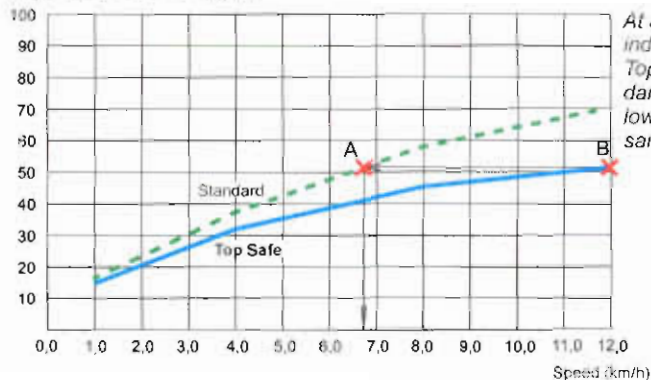
The right choice

JF-STOLL has developed a unique anti-crash system called Top Safe. The system protects the machines efficiently when encountering stones and other obstacles and at the same time ensures low service costs and long life. GMS 280/320 is not equipped with Top Safe but has a drawbar extension.

Double working speed – with safety

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 from stones and other obstacles (see the diagram comparing mowers with and without Top Safe).

Impact index of a collision



Perfect ground following and low ground pressure increase the yield

The Top Safe system's ability to let the machine slide freely across the ground provides excellent ground contour following, even at very high working speeds. This ensures a uniform stubble height and quicker re-growth.



Contamination of the crop is avoided and the feed quality is secured. Adjustment of Top Safe and ground pressure takes place by means of a special tool supplied with the machine!



GMS 3202 Flex with Collector II.

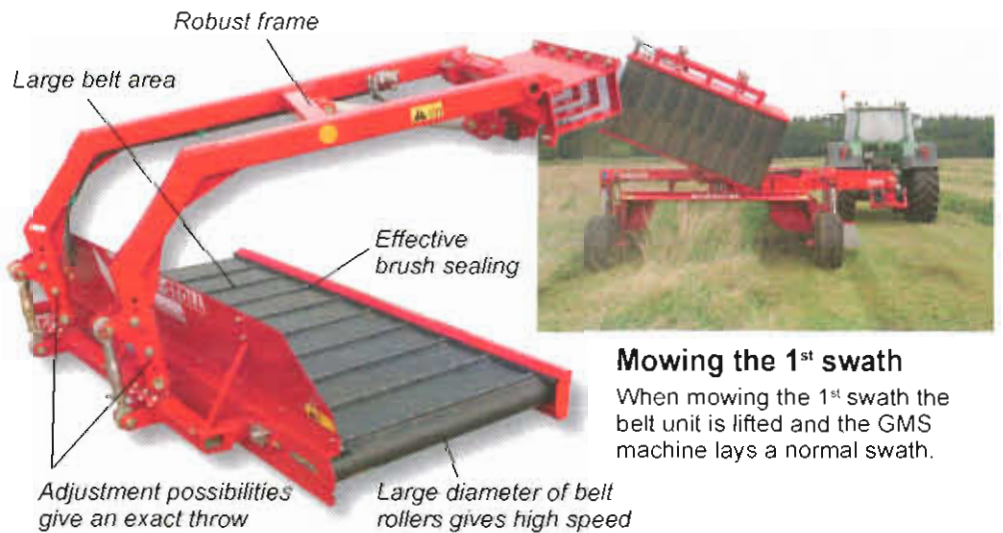
Double swathing optimises the machine chain

The swath collecting belt Collector II

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

Collector II 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.

Collector II can be mounted on both GMS 3202 and GMS 3202 Flex.



Mowing the 1st swath

When mowing the 1st swath the belt unit is lifted and the GMS machine lays a normal swath.

Boards for asymmetric double swathing

The GMS machines can be equipped with boards for asymmetric double swathing. The boards can be retro-fitted with hydraulic equipment allowing the swath boards to be moved from side to side to place the swaths in pairs. When working with a Flex machine hydraulic equipment is not necessary.



1st asymmetric swath

When mowing the 1st swath the boards are adjusted so that the swath is placed farthest away from the tractor.



2nd asymmetric swath

When mowing the 2nd swath the boards are adjusted so that the swath is placed beside the previous swath. To pick up a double swath a 3 – 3.5 m pick-up is required.



Effective grass treatment that reduces the drying time



Long life

The PE-conditioners are of the "Y"-finger type. They are made of polyethylene, are very hard-wearing 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.

The GMS machines are equipped with the effective JF-STOLL PE-finger conditioners. This ensures a more intensive treatment of the material and quicker drying, at the same time the nutritional value of the crop is preserved.

Better flow

JF-STOLL'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 with fewer stoppages and thus higher capacity for the following precision chopper or baler.



Rollers

The GCS machines are equipped with Top Roller which is a roller conditioner system. Top Roller is handling alfalfa, clover and grass very gently so that the nutritional value is preserved. The system consists of 2 strong gearwheel-driven chevron rollers with high rubber profiles. The rollers are synchronised so that their mesh is always correct, also if the crop is pushing the rollers away from each other.

Easy maintenance

The PE-conditioner and the roller conditioner are operated with belt drive which means minimum maintenance. The belt drive also acts as a shock absorber, safeguards the transmission and ensures minimum loss of power.



Adjustment of the degree of conditioning on the PE-conditioner is made without tools (not GMS 280 and GMS 320).



JF-STOLL's patented Auto Synchro System is ensuring that the mesh of the conditioner rollers is always correct.

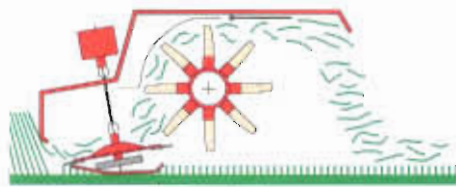


The GMS mower is equipped with JF-STOLL's strong and effective PE finger conditioners.

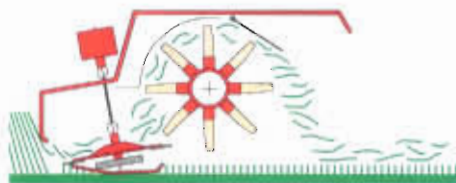


With Top Dry GMS is ideal for efficient wide spreading

Wide spreading with Top Dry



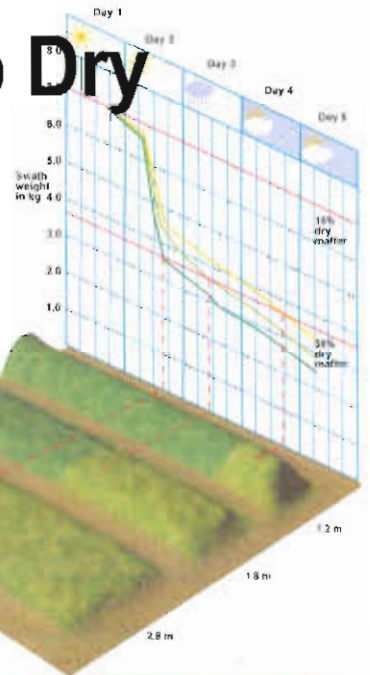
Top Dry is not activated



Top Dry is activated

Top Dry is the name of JF-STOLL'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.

JF-STOLL has examined the relation between swath width and drying speed and proved that a wide but thin swath provides the most efficient drying. The graph shows the drying process for 3 different swath widths: 2.8 m, 1.8 m and 1.2 m. In the beginning the test material has a dry matter content of 15% and weighs 7 kg per metre. A dry matter content of 30%, which is normally used for making silage, is already achieved after 1 day in the wide but thin swath. The same dry matter content is only achieved after 3 days in the very narrow and thick swath. Top Dry is optional equipment on GMS 280 and GMS 320.



Activation of Top Dry

Top Dry is activated by means of a handle – no tools are necessary. The handle folds down a deflector behind the conditioner. The grass is thereby in contact with the conditioner for a longer time when it is spread and therefore it dries extra quickly.





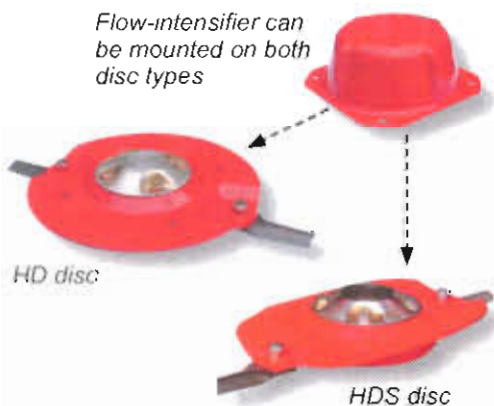
Cutter bar with maximum number of guide shoes

Cutter bar with long life

The cutter bar is protected with a strong stone protection (A). A 4 mm thick bottom shield (B) protects the whole underside of the cutter bar. The machine is equipped with two or four guide shoes as standard (C), extra guide shoes to be mounted under all discs are an option.

Disc systems

The GMS/GCS mowers feature a choice of cutting discs. This makes it possible to optimise the adjustment for specific crops and ground conditions. Thereby you can obtain a clean and straight cut combined with long durability. GMS 280/320 is equipped with HDS discs as standard.



HD disc

HDS disc

Flow-intensifier can be mounted on both disc types



Both the HD and the HDS disc have an anti-wrapping ring to prevent long crops from wrapping around the bearing housing.

Blades with long life

The blades are immensely strong and have a long working life. The machines are equipped with profile blades as standard. The twisted blade provides a lower cutting height which is an advantage when mowing difficult, long, lodged crop.



Break-away

A specially pre-milled line of fracture in the disc drive shaft ensures that should a sudden obstacle be hit by the discs, secondary time consuming damage is eliminated.



Easy service

The guards can be folded up and there is free access to inspect and replace discs, blades etc.



Stubble height

Coarse adjustment of the stubble height is made with 2 steps on the guide shoes and fine adjustment is made with a spindle – possibility of stubble height from 45-125 mm.



Quick change of bearing

The Top Service design of the cutter bar makes it possible to check and replace a gear wheel or bearing on each disc module – without special tools. This reduces repair time.



Reduced ground pressure

The relief spring regulates and reduces the ground pressure. When the maximum number of guide shoes is mounted the ground pressure is minimal. This ensures quick and even re-growth.



Fine adjustment of stubble height

Fine adjustment of the stubble height is made with a practical, centrally positioned handle. Therefore it is always easy to adjust the stubble height.

The JF-STOLL Product Range - from field to stable



1
JF-STOLL has mowers for all types of grass crops.



2
JF-STOLL mowers have a working width from 1.7 m and up to 12 m. They can wide spread and make single or double swaths.



3
JF-STOLL has developed the first trailed triple-mower combination, which has a working width of 12 m.



4
JF-STOLL manufactures rotary tedders from 4.5 to 9 m working width.



5
JF-STOLL also manufactures rotary rakes in the sizes 2.9 m to 9 m.



6
The JF-STOLL Precision Chop Forage Harvesters are available with 1.6-3.1 m pick-up as well as direct-cut headers and maize headers



7
The Precision Chop Forage Wagon from JF-STOLL is one-man operated and provides possibility of high capacity.



8
JF-STOLL's range of Complete Diet Mixers consists of both paddle and vertical mixers with cubic capacities from 6.5 to 45 m³.



9
With JF-STOLL from field to stable both the technical and the financial result are optimized.

Technical data

	GMS 280	GMS 320	GMS 3202	GCS 3200
Working width	2 80 m	3 15 m	3 15 m	3 15 m
Top Safe	-	-	Standard	Standard
Conditioner type	PE-fingers	PE-fingers	PE-fingers	Rollers
Conditioner width	2 37 m	2 7 m	2 7 m	2 6 m
Swath width	0 8 - 1 8 m	1 0 - 2 2 m	1 0 - 2 5 m	1 0 - 2 5 m
Swath width with Top Dry	2 20 m ^{*)}	2 50 m ^{*)}	2 7 m	-
Double swath with Collector (option)	-	-	1 4 - 2 0 m	-
Double swath with asymmetric swath boards (option)	2 8 - 3 2 m	-	2 8 - 3 2 m	-
Type of disc	HDS	HDS	HDS / HD	HDS / HD
Number of discs/profile blades	7/14	8/16	8/16	8/16
Number of guide shoes	2	2	4	2
Number of guide shoes, max	7	8	8	8
Tractor, minimum	50 kW/68 HP	60 kW/82 HP	70 kW/95 HP	55 kW/75 HP
PTO, standard	1 1/2 - 6 splines	1 1/2 - 6 splines	1 1/2 - 6 splines	1 1/2 - 6 splines
PTO, alternatively	21 splines	21 splines	21 splines	21 splines
PTO with friction clutch and free wheel	540 rpm	1000 rpm	1000 rpm	1000 rpm
Oil outlets	1S + 1D	1S + 1D	1S + 1D	1S + 1D
Number of swivel gearboxes	1	1	1	1
Transport width	2 92 m	3 20 m	3 20 m	3 20 m
Tyres, standard	10x15 3/8	10x15 3/8	13/55x16/12	10x15 3/8
Tyres, alternatively	13/55x18/12	13/55x16/12	-	-
Weight	1540 kg	1725 kg	2020 kg	1760 kg

	GCS 3200 Flex	GMS 3202 Flex	GMS 3600 Flex
Working width	3 15 m	3 15 m	3 55 m
Top Safe	Standard	Standard	Standard
Conditioner type	Rollers	PE-fingers	PE-fingers
Conditioner width	2 7 m	2 7 m	3 11 m
Swath width	1 1 - 2 2 m	1 0 - 2 5 m	1 3 - 2 5 m
Swath width with Top Dry	-	2 7 m	1 5 - 3 1 m ^{*)}
Double swath with Collector (option)	-	1 4 - 2 0 m	-
Double swath with asymmetric swath boards (option)	-	2 8 - 3 2 m	-
Type of disc	HDS / HD	HDS / HD	HDS / HD
Number of discs/profile blades	8/16	8/16	9/18
Number of guide shoes	2	4	4
Number of guide shoes, max	8	8	9
Tractor, minimum	55 kW/75 HP	70 kW/95 HP	75 kW/102 HP
PTO, standard	1 1/2 - 6 splines	1 1/2 - 6 splines	1 1/2 - 6 splines
PTO, alternatively	21 splines	21 splines	21 splines
Friction clutch and freewheeling	Standard	Standard	Standard
Oil outlets	1S + 1D	1S + 1D	1S + 1D
Number of swivel gearboxes	2	2	2
Transport width	3 2 m	3 2 m	3 65 m
Tyres, standard	13/55x16/12	13/55x16/12	13/55x16/12
Tyres, alternatively	-	-	-
Weight	2400 kg	2350 kg	2620 kg

* Top Dry is optional equipment

Some photos may show products with additional equipment. See price list for current standard and additional equipment. We reserve the right to change the construction and specification details without notice. Printer's errors excepted.

Dealer

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