

Manual FACA



AGRISEM

NOTT-FR-709-A

Table of Contents

Table of contents.....-1-2-

Safety

1.1 Before first use.....-3-

1.2 Warning symbols-3-

1.3 Storage-3-

1.4 Warning pictograms-4-

1.5 Operator qualifications-5-

1.6 Working under special conditions-5-

1.7 Responsibilities of the manufacturer and the user.....-5-

1.8 General information-6-7-

1.9 Machine identification -8-

Transportation when not hitched to the tractor

2.1 Loading onto a truck -8-

2.2 Strapping down -8-

Travelling on the public highway

3.1 Transport by road -9-

3.2 Placing in the field/road position-9-

3.2.1 Fixed models -9-

3.2.2Folding models -10-

Settings

4.1 Hitching and unhitching -11-

4.2 Hydraulic connections -12-

4.3 Adjustment instructions..... -12-

4.3.1 Frontal lifting arm -12-

4.3.2 Mounting the third point..... -13-

4.3.3 Starting up.....-14-15-

Maintenance and storage

5.1 Periodic maintenance and greasing -16-

5.1.1 Periodic maintenance -16-

5.1.2 Greasing -16-

5.2 Spare parts / Guarantee -17-

5.3 Cleaning and storage -17-18-

General technical characteristics

6.1 Common characteristics -19-

6.2 Specifications of single roller fixed models -19-

6.3 Specifications of single roller folding models -19-

6.4 Specifications of double roller fixed models -20-

6.5 Specifications of double roller folding models -20-

6.6 Optional equipment -20-

Instructions and user manual for your new AGRISEM implement.

Thank you for the trust you have shown us and we wish to do everything we can to ensure that you get the most out of the capacities of your implement. This instruction manual lets you become aware of all of the instructions to comply with for your safety. It also makes you aware of all of the adjustments that are required, whether in the field or on the road. At the end of the manual you will find all of the indications that are useful for performing regular maintenance on your implement.

Foreword:

The FACA ground-working implement is intended to destroy any intermediate crop or anything left over after harvesting.

The FACA roller is intended only for use with tractors equipped with frontal lifting. It may be used to complement other equipment mounted on the rear of the tractor (stubble ploughing implement, seeding implement, etc.).

This machine is used to cut or pinch the vegetation to destroy it or stop its growth.

This machine is intended solely for use in regular agricultural work like the destruction residual covering growth or crop residues. Any other use is considered contrary to normal use of the machine and is therefore prohibited.

1. Safety

1.1 Before first use

This instruction manual comprises all of the practical information you need to properly and safely operate your machine. Read it carefully and make sure that you understand every specification and follow all of the instructions and tips relating to your safety.

1.2 Warning symbols



This warning symbol identifies important messages which you should take notice of for your safety. When you see this warning symbol, pay attention to potential injury hazards, carefully read the message that follows and inform other users.

1.3 Storage

Retain this instruction manual for future reference and always keep it to hand or at your working (or operating) location. Be sure to pass it on to any other user, even in cases where the machine is sold or lent.

1.4 Warning pictograms

The warnings and pictograms affixed to the machine provide indications on the safety measures that must be strictly observed and contribute to avoiding accidents. Make sure that the warnings and pictograms stay clean and visible at all times. Should any deterioration occur, ask for new self-adhesive warnings and pictograms from the manufacturer or distributor). If any repairs are performed, ensure that the spare parts used carry the same self-adhesive warnings and pictograms as the original parts.


List of the various pictograms present on the machine warning you of the hazards linked to use.

A



Safety related danger: Carefully read the instruction manual before performing any work.

B



Safety related danger: Ensure that the implement cannot be moved by anyone else e.g. by removing the ignition key.

C



Risk of crushing: Be sure to retain a sufficient safety distance for all persons or property when in use.

D



Risk of crushing: Never work on the machine while it is folding or unfolding.

E

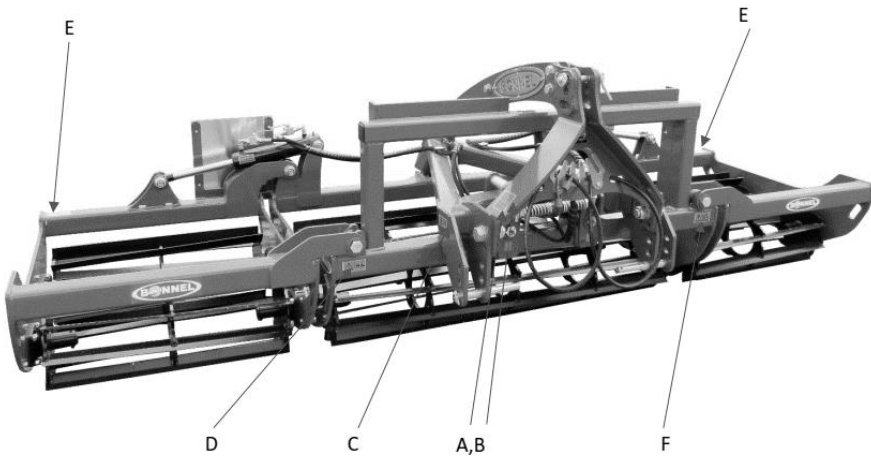


Safety related danger: Never work on the rollers when they are rotating. Risk of crushing and/or being drawn-in.

F



Risk of crushing: Never work in the area located under folding parts.



1.5 Operator qualifications

The machine must be used, maintained and repaired by people who are aware of its special use and the corresponding safety procedures.

Before using your machine, familiarize yourself with all the controls and its proper use. It will be too late to do so when working with it.

1.6 Working under special conditions

Adapt your speed and driving to the terrain, roads and paths. Be aware and careful at all times! Under all circumstances and especially on rough and sloping terrain, drive the machine at a suitable speed, especially in turns and avoid sudden changes in direction. Do not brake harshly or accelerate suddenly when driving up or down a slope. Only use your machine in broad daylight or, if not, use adequate artificial light.

1.7 Responsibilities of the manufacturer and the user

Respect all installation, operation, adjustment, maintenance and repair instructions included in this manual. Only use original spare parts and accessories conforming to the manufacturer's recommendations. Do not modify or have your machine or its accessories modified by someone else (mechanical, electrical, hydraulic and pneumatic characteristics), without first requesting written agreement from the manufacturer.



Your machine could become dangerous if these rules are not respected. In case of damage or injury, the manufacturer will not accept any liability and the applicable warranty cannot be invoked.

1.8 General information

The other chapters in this instruction manual provide additional information that you are also required to comply with for your own safety.

Never forget that awareness and care are the best ways of ensuring your own safety.

The regulations and rules in place to prevent accidents that relate to health and safety requirements, environmental protection and road traffic rules must be complied with at all times.

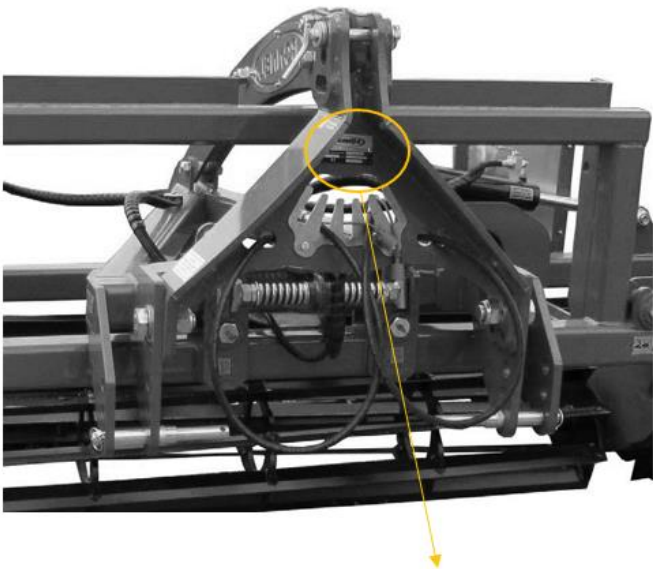
- Always ensure that no person, no animal and no obstacle are located close to the machine prior to starting it and whenever it is being operated.
- Always keep the machine out of the reach of children. Never carry passengers on the machine.
- Never walk on the covers nor on any other part of the machine except those areas intended for this purpose (ladder, platform, access ways to the working compartment).
- Before performing any work on the machine, ensure that it cannot be started accidentally.
- All of the remote controls and equipment (cord, cable, handle, hose, etc.) must be located in their intended locations so that they cannot accidentally trigger any action that may cause an accident or damage.
- Before use, always check that screws, nuts and connectors are properly tightened. Retighten them if necessary.
- Before use, after every adjustment and servicing, always ensure that all of the protective parts are in place and in proper condition and that they are properly locked into place.
- Ensure that the land to be worked does not comprise any terrain hazards or debris (wood, scrap metal, plastic, fencing, etc.) that may be kicked up by the machine or that could damage it.
- Never wear any loose clothing, long unattached hair or jewellery that may be drawn into or trapped by any machinery moving parts.

- Never bring hands, arms or feet into close quarters with moving parts, even at low speed. Keep a safe distance from any moving parts.
- Should you hear or feel any unusual noise or vibration, stop machine operation and look for, and correct the cause of the incident before resuming work. Call your distributor for help, if necessary.
- Never climb right onto the rollers, tyres or other parts that may move, for the latter may start to move.

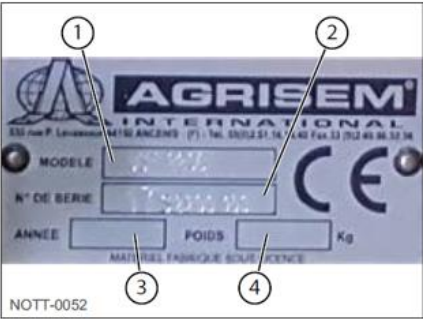
1.9 Machine identification

Your machine is identified by an identification plate located close to the hitching head.

This plate may become harder to read over time. We recommend that you record the data from your identification plate onto this page !



Number	Name
1	Model
2	Serial number
3	Year of manufacture
4	Empty weight

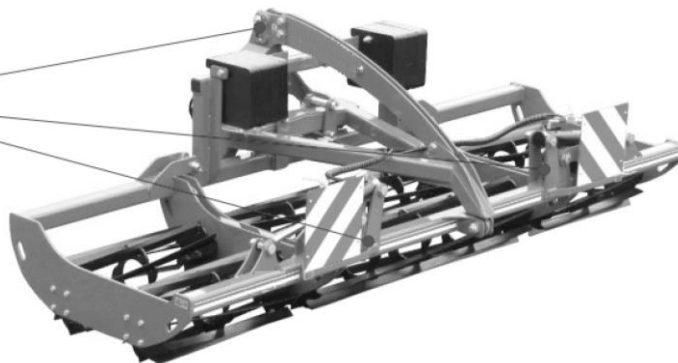


2. Transportation when not hitched to the tractor

The machine must never be lifted or moved using points other than those shown in this instruction manual.

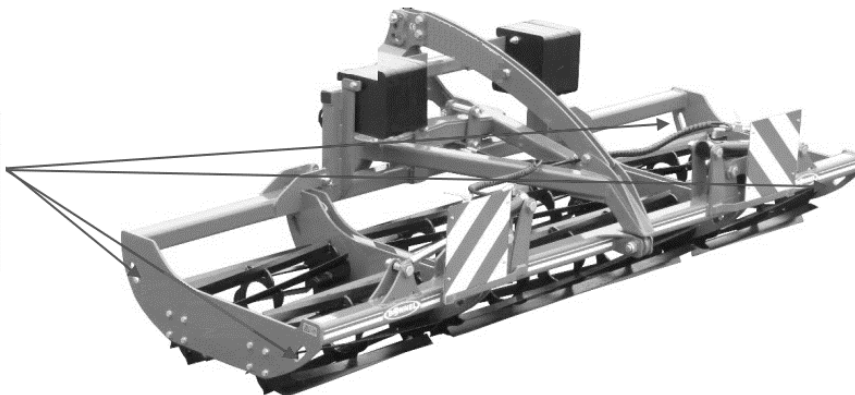
2.1 Loading onto a truck

The machine can be lifted using the lifting points provided. Only these points guarantee that the operation can be performed safely. When lifting with these points make sure that the machine is unfolded. There are three (3) lifting points identified by this symbol.



2.2 Strapping down

The machine should be strapped down using the openings provided at the four corners of the machine. They are identified by the labels affixed at the four points. Use NF or EU standard winch straps in good condition, with no signs of cutting and that are suited to the weight of the machine.



Check that the tractor hoses and connections are properly connected at the time of loading.

The rules that apply to loading also apply to unloading.



It is important to remember that when this operation is performed the equipment

balance and centre of gravity are modified. Take every necessary precaution before, during and after the operation to avoid any tipping or breakage. Never fold the machine with the equipment in these positions.

3 Travelling on the public highway

3.1 Transport by road

- Before turning onto the public highway, remove every lump of earth attached to the machine.
- The vehicle is required to travel on a public highway with its lights on. Regularly check that the lights on the tractor and the machine are in proper working order. The machine must not stop the rotating light from being seen through 360°. If the rotating light cannot be seen from behind, install another one.
- Always so good sense and common courtesy on the road. Always make allowance for the significant rear overhang caused by the implement carried. As your field of vision is limited, adjust your rear view mirrors appropriately. **When travelling on the public highway always follow the highway code and show respect for other road users. Remember that the driver will always be responsible regardless of the event!**
- The red and white warning panels are required. Your FACA equipment is provided with these on delivery. They must always be present on the machine when it is being transported along a public highway. Make sure that they are kept clean and in good condition. Should they become damaged, they must be replaced.
- Make sure that the tractor tyres and wheels can carry the implement load. Also, check the tyre pressure for safe driving and to optimise your fuel consumption.

3.2 Placing in the field/road position

3.2.1 Fixed models

Fixed models do not require any modification. Apply applicable rules for travelling on the public highway.

3.2.2 Folding models

Folding models do not require any manual action to perform the field/road modifications. The implement must be folded when travelling on the public highway, so you will need to:

- open valves V1 and V2,
- actuate the hydraulic distributor to retract the cylinder rods,
- once both sides of your FACA are in the vertical position and immobilised, close valves V1 and V2.

Valves V1 and V2 closed



Simply ensure that the cylinders reach the end of their travel. Installation safety is ensured by the quarter turn valves on the cylinders. Apply the precautions described in subsection [4.2 Hydraulic connections](#).



When unfolding or folding the implement, you must always ensure that nobody is close by. You remain solely responsible for your machine. At the same time, always ensure that you have enough room for unfolding the machine.

4. Settings

4.1 Hitching and unhitching

Hitching the machine to the tractor must only use the hitching points provided for this purpose. Always ensure that the machine is compatible with the tractor (minimum engine horsepower, hitching type, tractor PTO, etc.).

Never place yourself between the tractor and the machine without first placing the gear lever in neutral and applying the tractor parking brake.

Never place yourself between the tractor and the machine during a raising action, whether this is controlled from the cab or the outside of the tractor.

When manoeuvring the tractor, select the slowest tractor speed possible.

During hitching, set the tractor raising controls so that it cannot move during the process.

Once the machine is hitched, the hitching mechanism must be locked. Check the hitch and check that it is properly locked before setting off.

Make sure that the machine hitch does not induce any overloading or incorrect load distribution on the tractor that could compromise stability:

Never exceed the maximum admissible load on the hitching points.

Where necessary, fit weights on the mounts provided in line with the stipulations set out by the tractor manufacturer.

When hitching or unhitching the machine, be sure to place all of the support and stability equipment in their respective places (for machines equipped with them) to avoid any unbalancing of the machine.

Hitch the machine to a tractor with a lifting system equipped with sideways and vertical locking mechanisms.

To travel on roads, comply with the specified hitching height.

4.2 Hydraulic connections



Before working on the hydraulic circuit, make sure that the installation is not pressurised.

Eliminate the pressure before disconnecting the hydraulic lines.

If the flexible or rigid pipes deteriorate, if they suffer any impact or if you observe any cuts, they must be replaced before using the machine again.

When storing the machine during long periods, always protect the cylinder rods. Refer to chapter 5.3

Cleaning and Storing.

Be sure to always cap the connections with plastic caps when opening the connections, to avoid polluting the hydraulic circuits.

The maximum usage pressure for the folding cylinders is 200 bars .

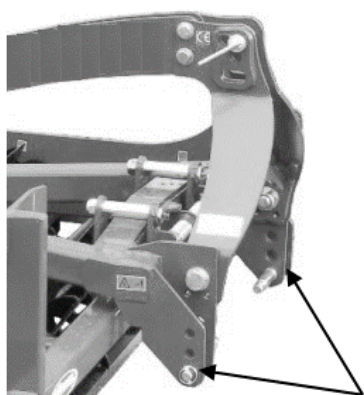
4.3 Adjustment instructions

4.3.1 Frontal lifting arm

They must only be used on a frontal lifting mount for prolonged use.

The lifting arms must be in the floating position.

To make it easier for the implement to penetrate the ground, i.e. to more easily cut the vegetation, place the tractor's frontal lifting arms in the holes at the bottom of the coupling plates on the FACA. This way you will get a better load transfer from the tractor to the FACA.

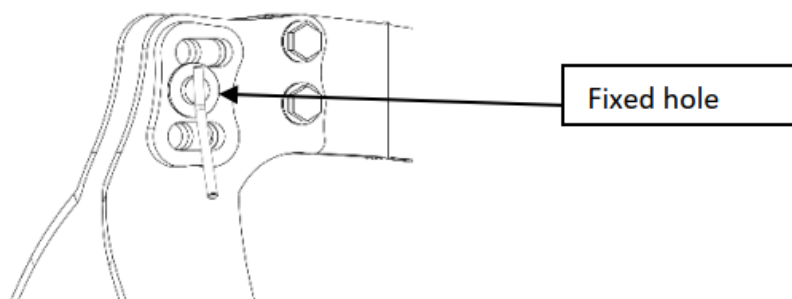


Adjustment holes

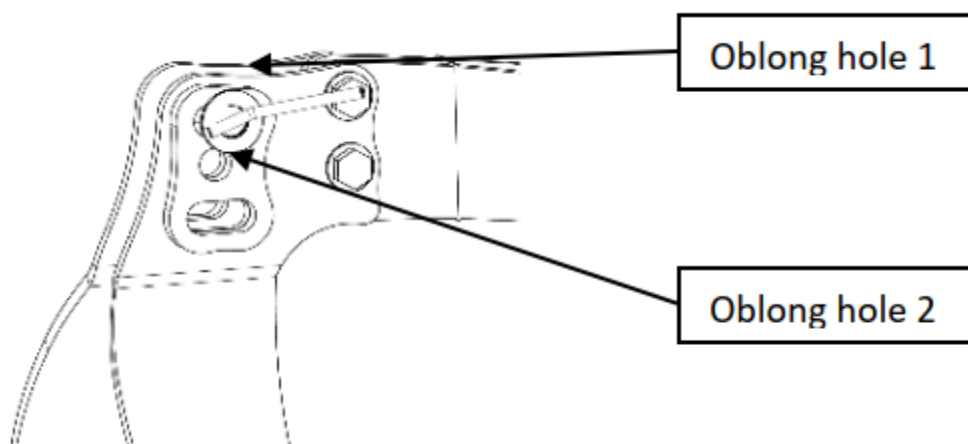
4.3.2 Mounting the third point

The front mounted implements must always be hitched to a frontal lifting mechanism referred to as a three-point lifting system.

For a single roller FACA, the pin should be placed in the fixed hole.



For a double roller FACA, the pin should be placed in one of the two oblong holes

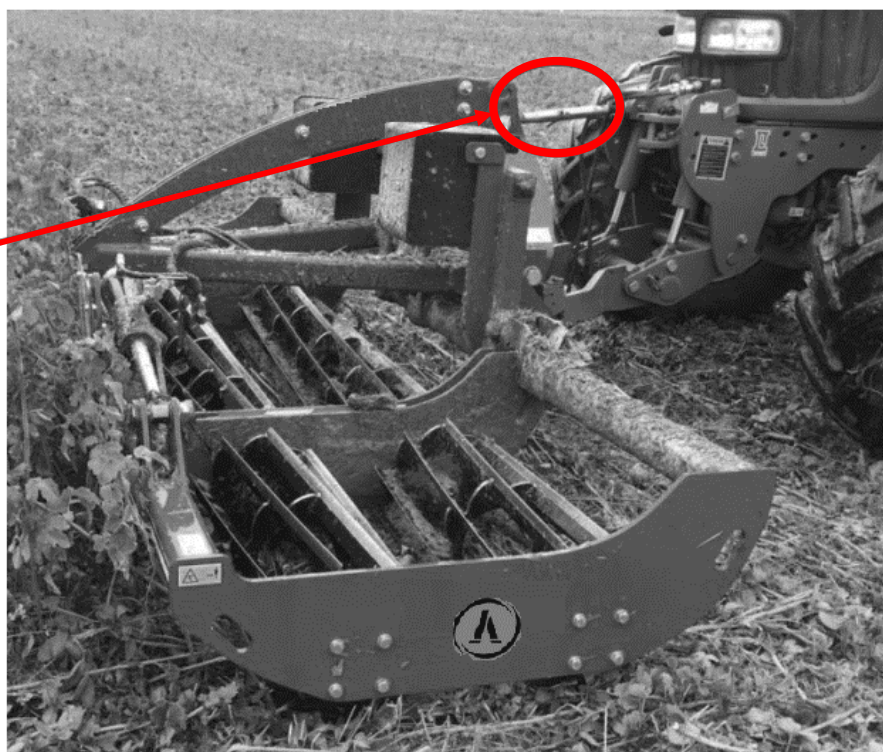


4.3.3 Starting up

On reaching the working area, perform the various driving manoeuvres before lowering the tractor's frontal lifting mechanism. Once you are ready, release the hydraulic pressure from your frontal lifting mechanism by engaging the "floating" mode. This action lets the FACA fall under its own weight until it comes into contact with the ground.

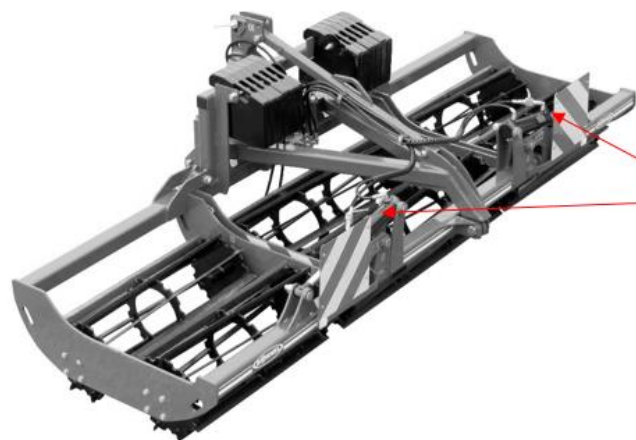
Then, check that your implement's frame is parallel with the ground. If this is the case, then your FACA is correctly adjusted. On the other hand, it is not parallel, then change the incline by lengthening or shortening the length of your third point B bar. Once the adjustment is correct, you can proceed.

Push bar B



For folding models, you need to

- check that no foreign object interferes with unfolding and that the base units that support the folding frame are clean.
- open valves V1 and V2.
- actuate the hydraulic distributor that controls deploying the cylinder rods.
- close valves V1 and V2.



Valves V1 and V2 closed

Progress through the field at a speed suited to the conditions. At 10km/h, the implement is stable and will not “skip” and the force applied by the bevelled flat iron is sufficient to cut the vegetation. When you reach the end of the field, raise the tractor’s lifting frame to easily manoeuvre. Never lower your FACA before you are properly in place and ready for a new length.

This implement has a swinging arm allowing a certain amount of independence when it comes to terrain following. This way you can continue to run the tractor along the desired trajectory.

To accentuate the efficiency of your implement, the latter can be weighted by placing (optional) weights on the mounting provided for this purpose. The weights needed by the implement vary with the kind of vegetation to destroy or crimp.



The front implement must not be brought into pressure against the ground due to the tractor’s weight. The distributor should be left in the “floating” position. Under difficult / wet conditions you can raise your FACA to reduce the effort required and regain grip.

If you observe any anomaly affecting your implement, stop work immediately and correct it. Do not wait for the problem to get worse and lead to another more serious one.



To avoid any injury to small game, start work from the middle of a field so as to push wildlife towards the outside.

5 Maintenance and storage

5.1 Periodic maintenance and greasing

5.1.1 Periodic maintenance

The equipment comprises various moving parts that suffer the effects of the weather and of significant stresses. Regular maintenance performed correctly will allow you to retain the benefit of your AGRISEM equipment for as long as possible. The regular maintenance schedule presented below will help you optimally maintain your implement.

Checks to be carried out	Intervals
No play in moving parts	50 hours
No hydraulic circuit leaks	50 hours
Proper condition and cleanliness of reflective plates/strips	Before travelling on the public highway
Nut tightening	Ten hours after using for the first time

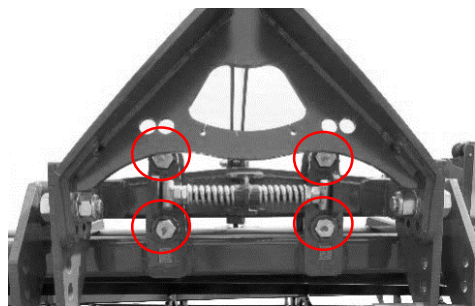
5.1.2 Greasing

Greasing your machine is part of the essential maintenance that is required and it must be repeated regularly.

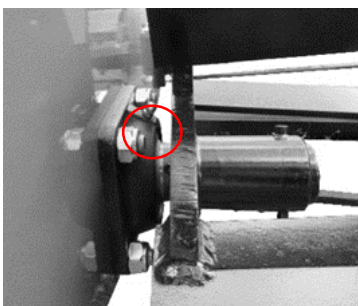
As a general rule, greasing serves to:

- separate the surfaces in contact to limit wear.
- protect components from corrosion.
- absorb impacts and reduce noise.

For fixed and folding models, the greasers are located:

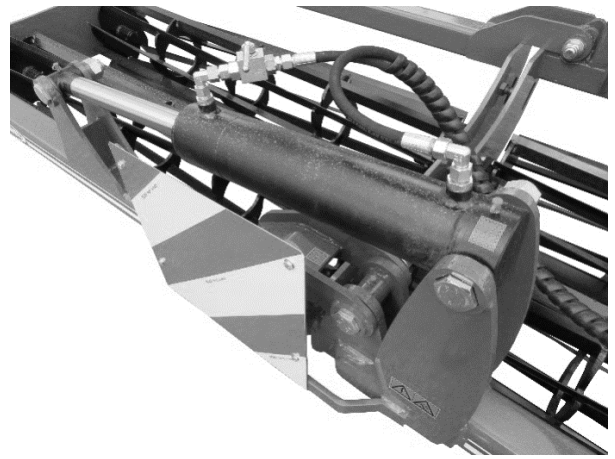


On the swinging arm rollers:
grease every 8 hours.



On the roller every 40 hectares.
Take care to not apply excess
grease as this damages the seals.

On folding models, the additional grease points are located:



On the cylinders and the folding articulations:
grease every 8 hours.

5.2 Spare parts / Guarantee

All of the spare parts for your machine are available for sale from your dealer.

The spare parts catalogue for your machine along with an exploded view of machine parts is available on request.

To ensure a proper service history for your machine and to retain the guarantee for your implement, we recommend always replacing any parts with AGRISEM original parts. If the parts installed on your machine are not original AGRISEM parts, the guarantee cannot be retained and any breakage will be your liability.

To make any claim against the guarantee, please contact AGRISEM to receive the form that will set out the procedure to follow for processing a guarantee claim.

5.3 Cleaning and storage

To keep your implement in good condition for many years, always make sure that before a prolonged idle period you clean and properly store your AGRISEM implement. To perform proper end of season maintenance please follow the instructions below.

- Cover all of the openings to be protected against penetration by water, steam or cleaning products.
- If high pressure cleaning is used, do not hold the nozzle too close to the machine and avoid aiming the spray onto electronic components, motors and electrical connections, hydraulic pipes and hoses, seals, filler caps, etc.
- Do not use aggressive cleaning products (with chlorine).

Once cleaning is finished, check the fuel hoses, engine oil lines, brake lines as well as the hydraulic fluid. Make sure that there are no leaks and that none of the connections are slack and that there is no sign of deterioration.

Immediately correct any deterioration observed.

During cleaning, water spreads to all parts of the machine and especially shafts and bearings. After cleaning it is essential to grease all of the articulations using the greasing points. This end of season greasing will clear the water off any sensitive machine parts and stop the moving parts from rusting and seizing.

To protect the paintwork and preserve the appearance of your implement, you can apply fuel oil to all of the painted machine parts. This will give a shiny appearance and preserve the paintwork. To protect the cylinder rods from damp and avoid rust or pitting, apply a coating of grease on the cylinder rod surface.

Where possible store the implement in a dry location protected from the weather.

6 General technical characteristics

6.1 Common characteristics

- A 460mm diameter roller with 9 bevelled flat irons,
- 20° angle of attack,
- Shaft mounted on 40mm diameter bearings,
- Self-steering steering frame on rollers with spring return,
- 54cm distance between rollers for the double model,
- Three-point hitching system.

6.2 Specifications of single roller fixed models

Specifications	S150m	S300	S350	S400
Working width	1.50m	3m	3.50m	4m
Overall length - working	1.291m			
Overall width - working	1.66m	3.251m	3.762m	4.250m
Overall height - working	1.290m			
Overall length - during transport	1.291m			
Overall width - during transport	1.66m	3.251m	3.762m	4.250m
Overall height - during transport	1.291m			
Number of rollers	1	1	3	3
Weight without options				

6.3 Specifications of single roller folding models

Specifications	SR350m	SR400	SR450	SR500	SR600
Working width	3.50m	4m	4.50m	5m	6m
Overall length - working	1.291m				
Overall width - working	3.630m	4.130m	4.630m	5.130	6.130
Overall height - working	1.290m				
Overall length - during transport	1.291m				
Overall width - during transport	2.90m				
Overall height - during transport	1.680m	1.805m	2.180m	2.305m	2.805m
Number of rollers	3	3	3	3	3
Weight without options			1,070kg		

6.4 Specifications of double roller fixed models

Specifications	D150m	D300	D350	D400
Working width	1.50m	3m	3.50m	4m
Overall length - working	1.747m			
Overall width - working	1.66m	3.251m	3.762m	4.250
Overall height - working	1.290m			
Overall length - during transport	1.747m			
Overall width - during transport	1.66m	3.251m	3.762m	4.250m
Overall height - during transport	1.290m			
Number of rollers	2	2	6	6
Weight without options		1,060 kg		

6.5 Specifications of double roller folding models

Specifications	SR350m	SR400	SR450	SR500	SR600
Working width	3.50m	4m	4.50m	5m	6m
Overall length - working	1.747				
Overall width - working	3.630m	4.130m	4.630m	5.130	6.130
Overall height - working	1.290m				
Overall length - during transport	1.747m				
Overall width - during transport	2.90m				
Overall height - during transport	1.680m	1.805m	2.180m	2.305m	2.805m
Number of rollers	6	6	6	6	6
Weight without options		1,380 kg			

6.6 Optional equipment

- Signalling kit for pushed implements
- Load carrier

This optional equipment is designed and sold by AGRISEM. They are designed to match the capacities of your FACA. Any additional equipment not supplied by AGRISEM.



AGRISEM International S.A.S.
535 rue Pierre Levasseur - CS 60263
44158 Ancenis - France



+33 (0) 2 51 14 14 40



+33 0) 2 40 96 32 36



agrisem@agrisem.com



www.agrisem.com



AGRISEM®