



40 50 60 70 80 90

Ploughing



Soil restructuring



Stubble tillage



Soil preparation



[gregoire-besson.com](http://gregoire-besson.com)



## Soil preparation equipment & services for farmers

### Preparing the soil and the future

*«Above all else, the GB Group is committed to combining resources and methods to serve not only the customers of the group's various brands, but also dealers and suppliers around the world. We also want to bring together the teams from our many production sites and subsidiaries around a single corporate project.*

*Throughout the GB Group, we want to support everyone who is working towards efficient and sustainable agriculture by offering a wide range of product solutions and an increasing number of services.*

*We are mindful of the challenges facing humanity in the decades to come and we are convinced that they will require smarter, more efficient and more sustainable soil preparation.»*

*Patrick Besson, CEO of the GB Group*



# GB Group

Grégoire Besson and Agriway are the two brands of the GB Group. Our experience and ambitions are the same for all our brands, even if each name has been shaped by its own particular approach.

Grégoire Besson, the founding brand of the group, continually strives to strengthen its partnership of trust with agricultural professionals.

## A global presence

5 Plants & 7 Subsidiaries

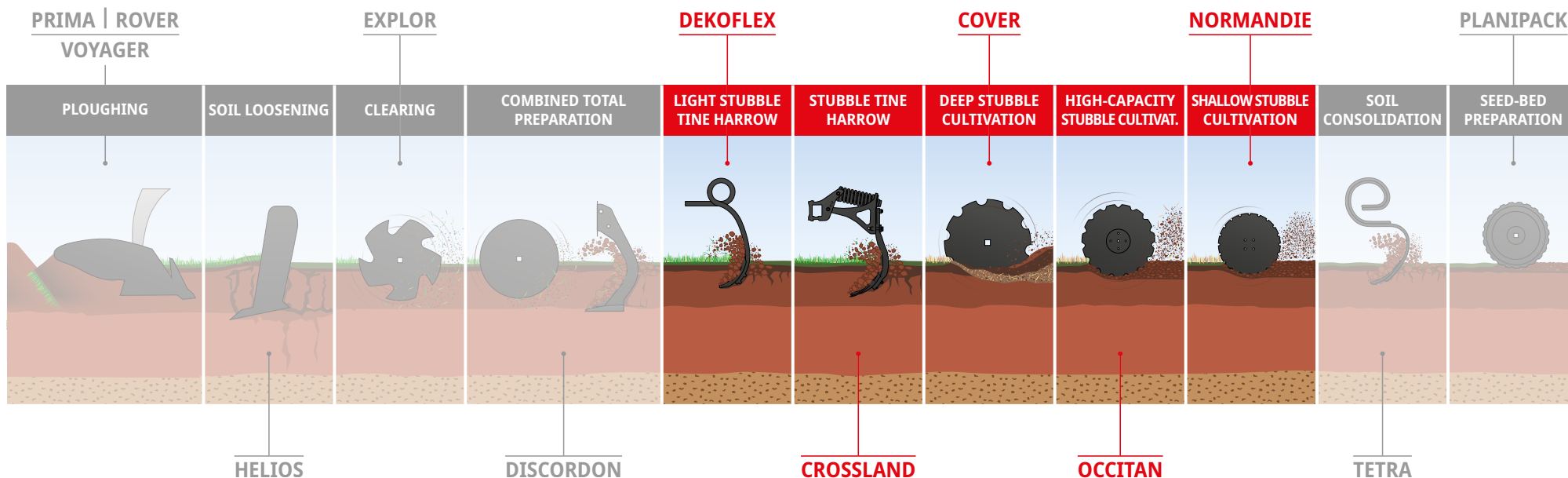


## With our employees, 1 objective: customer satisfaction

Whether we are in our factories, at an agricultural show or out in the fields, we always keep in mind that our task is to help our customers improve their soil productivity.

# Grégoire Besson and soil tillage

1 NEED > 1 NAME



## 5 STUBBLE CULTIVATOR RANGES TO MEET YOUR NEEDS

### DEKOFLEX

A simple and economical light tine stubble cultivator.

### CROSSLAND

The stubble tine harrow with the lowest cost per hectare on the market.

### COVER

The solution for scalping, separating dense root systems and creating a mulch with large volumes of plant waste.







































### OCCITAN

High weight per disc ratio and mechanical non-stop safety.

### NORMANDIE

Fast stubble tillage and ultra-simple maintenance.

# A simple range

Index	40	50	60	70	80	90
Light stubble tine harrow			DEKOFLEX 60			
Subble tine harrow		CROSSLAND 50	CROSSLAND 60 CROSSLAND T60	CROSSLAND T70	CROSSLAND T80	
Deep stubble cultivator		COVER V T50	COVER V T60 COVER X T60 COVER XL T60	COVER V T70 COVER X T70 COVER XL T70	COVER X T80 COVER XL T80	COVER XL T90
High-capacity stubble cultivator		OCCITAN 50	OCCITAN 60 OCCITAN T60			
Shallow stubble cultivator		NORMANDIE 50	NORMANDIE 60 NORMANDIE T60	NORMANDIE T70	NORMANDIE T80	
Farm size						
Tractor power	 50 to 85 HP 37 to 62 kW	 85 to 125 HP 62 to 92 kW	 125 to 210 HP 92 to 154 kW	 210 to 310 HP 154 to 228 kW	 310 to 400 HP 228 to 294 kW	 400 to 600 HP 294 to 441 kW
Cylinders	 3	 4	 4/6	 6	 6	 6
Lifting capacity	 3,5T	 5T/6,5T	 6,5T/9T	 10,5T	 11,5T	 10,5T



## **Better soil preparation for tomorrow**

We are convinced that the food challenges of the 21<sup>st</sup> century can only be solved through more efficient and intelligent soil preparation. Grégoire Besson designs, produces and distributes soil preparation equipment for farmers who are growing for the future.



# SUMMARY

## CROSSLAND

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### Stubble tine harrow



Crossland 50 \_\_\_\_ p.12

## COVER

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### Deep stubble cultivator



Cover V T50 \_\_\_\_ p.18

## OCCITAN

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### High-capacity stubble cultivator



Occitan 50 \_\_\_\_ p.24

## NORMANDIE

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### Shallow stubble cultivator



Normandie 50 \_\_\_\_ p.30

### Accessories

- Crossland working parts \_\_\_\_\_ p.34
- Normandie, Occitan and Cover Discs \_\_\_\_\_ p.35
- Rear equipment \_\_\_\_\_ p.36
- Servicing \_\_\_\_\_ p.38
- Our product range \_\_\_\_\_ p.40

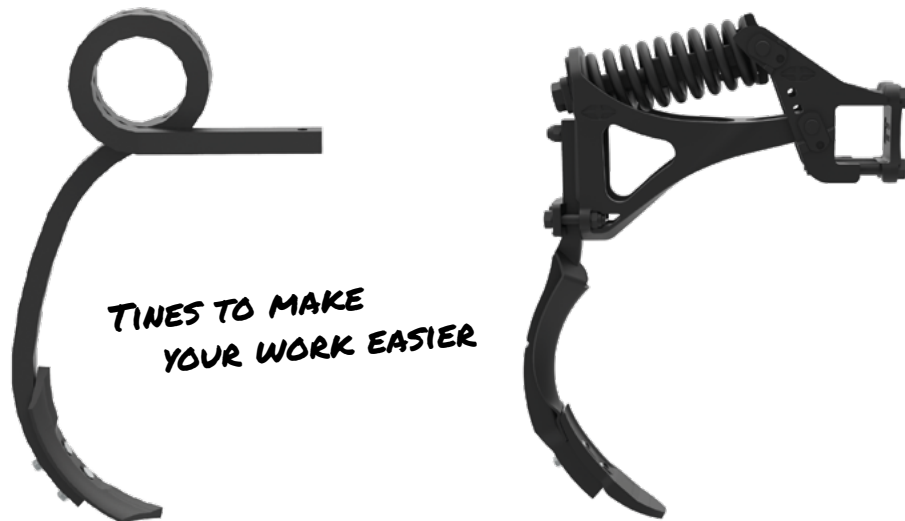


## **We are committed to respecting the environment**

Weeds and pests are controlled with soil preparation tools. Our product lines meet your most demanding needs.

# Which one? Tine or disc tools?

Tines can work from 2 to 35 cm deep. This type of tool is suitable for work with small amounts of plant residue. For surface work, using goose shares, it is ideal for second passes after harvest for the destruction of new growth.



At intermediate depths, it is ideal for accelerating residue decomposition by mixing the different profile elements. Used at a depth of 35 cm, it enables profile restructuring to compensate for extreme weather events.

For weeding, the stubble tine harrow destroys perennials by depletion and extraction. Extracting, along with following harrows, separates soil from roots for total destruction.

## Various working depths from 2 to 35 cm

Vary the working depth, the number of passes and the attachments of a single machine and achieve different finishes.



Stubble cultivation



Deep tillage



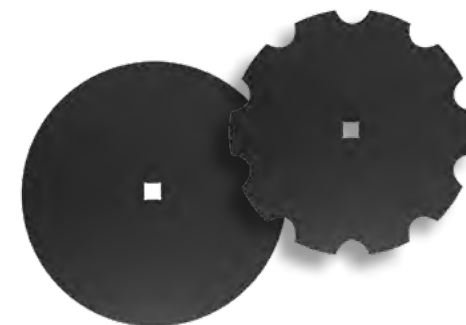
Ploughing back



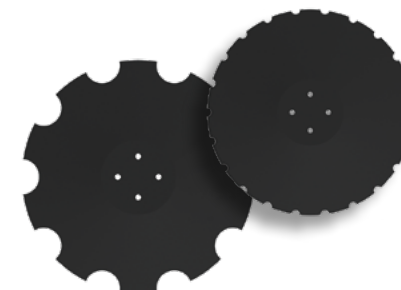
Seed bed preparation

Stubble tillage using disc tools is ideal for the first pass after harvest. It cuts up residues, putting them in contact with the soil to begin decomposition.

Be careful, you need to be familiar with the plant species that you want to destroy. Disc tools are not recommended for the destruction of perennials such as thistle, bindweed or rumex.



*THE LARGEST CHOICE OF DISCS ON THE MARKET*

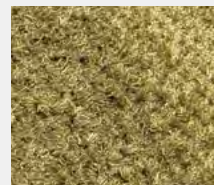


Stubble disc harrows promote the destruction of post-harvest pests.

The shallow working depth promotes self-seeding, which helps to deplete the weeds in the soil. Disc tools can work at depths of up to 20 cm.

## Various working depths from 2 to 20 cm

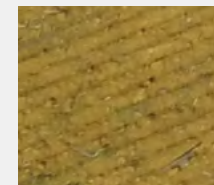
Produce different finishes according to soil, working conditions and your disc harrow attachments.



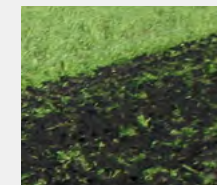
Stubble cultivation



Ploughing back



Seed bed preparation



Destruction of complex root systems





# CROSSLAND

## STUBBLE TINE HARROWS

## **Reliable and economical**

*Stubble harrow range with unparalleled performance.*

*Spacing between tines - the key to reduced fuel consumption and precision work.*

# CROSSLAND 50

## MOUNTED STUBBLE TINE HARROW

From 13 to 15 tines - Tractors: 85 to 125 hp - Working width: 3.00 to 3.45 m



### Large clearance

We offer two chassis heights, 750 mm as standard or 850 mm as an option, which increases the passage of plant volume through the Crossland.



### Hitching

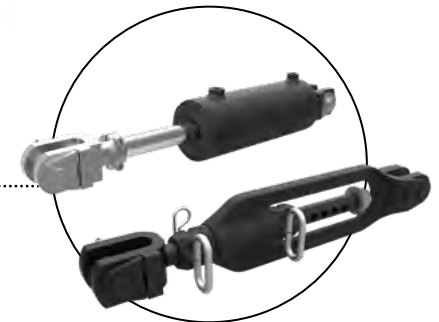
Hitching is compatible with Cat.3 and Cat.3N depending on the category of your tractor. Several heights are possible to adapt to your hitching arrangements. There are two possibilities for your top link; a fixed point to force penetration or a slot arrangement to allow for better contour following.



### Combined adjustment

The leveling system is attached to the roller frame which enables the working height adjustment to be integrated with the roller.

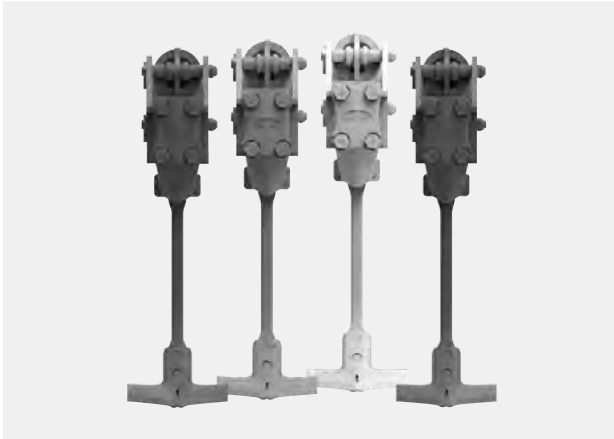
If you adjust the working depth, the leveling system changes at the same time.



### Working depth

You can choose from two working depth adjustment methods:

a standard mechanical version with a high and low stop adjustment using a pin or a hydraulic cylinder system for increased productivity.



### Tine spacing

The Crossland has a tine spacing of 230 mm, which creates small bands of soil resulting in finer surface work. This choice is more economical as less pulling power is needed, resulting in better fuel consumption. This concept also means it is easier to level the ground as fewer ridges are created.



### Spring-mounted Eurochisel tines

The auto-reset spring safety system protects your machine while you work in stony soil. When a stone is present, the tine retracts by compressing the spring. When the spring compresses, the pressure at the tip decreases which helps to protect it as it passes the stone. The tine leg is made of cast steel for increased impact and vibration resistance. On the tine housing, you have three adjustment heights to adjust the tips independently.



### Tine shear bolts

The shear bolt safety system is designed for heavy or light soils that are not stony. The moulded block is very easy to use. The bolts, secured against turning, can be changed quickly using a single tool. The shear bolts are pre-cut to ensure clean breaks and easy changing. Finally, on the tine leg, we have integrated a release stop so that it does not become stuck.



### Levelling

The hockey stick blade picks up the flow of soil from the tooth to cover the hole and have a perfectly levelled floor. It is equipped with a non-stop safety device with the spring steel curve on its upper part. They are mounted with a parallelogram system to have the same working angle according to the depth. Finally, the levelling adjustment is combined with the roller depth adjustment for greater efficiency.



### Wide choice of tips

A wide range of tips is available, designed to work from 2 to 35 cm deep. Goose shares are ideal for shallow work, they work up to 5 cm for effective weed scalping. Standard and carbide tips are useful for heavy duty work. With our tips, we can work with spoilers to cut root systems. The Dart spoiler tips on the left can be used with defectors to improve soil/plant mixing over the entire working depth.



### Rear equipment

Three types of rear rollers are available according to your needs: square bar rollers for a simple solution, double bar rollers for surface crumbling, and the Impak roller, ideal for self-seeding. This enables good soil consolidation.

Finally, you can choose a triple following harrow to accelerate the destruction of weed root systems.



## CROSSLAND 50 TECHNICAL SPECIFICATIONS

Working width (m)	3.10	3.00	3.45
Tractor power (HP) <i>Tractor power (kW)</i>	85 / 110 62 / 81	85 / 110 62 / 81	90 / 125 66 / 92
Transport width (m)	3.10	3.00	3.50
Transport height (m)	1.50		
Approximate weight with single bars roller Ø 500 (kg)	1 197	1 293	1 369
Yoke hitch type (Cat.)	3N - 3 - Quick coupler		
Chassis version	Fixed		
Number of tines	10	13	15
Deflector	Standard without / Optional: Double mix / Universal (only with 'Dart' tip)		
Tip	Reversible standard TH / Optional: TH carbide, cast Dart, carbide Dart, goose share		
Spoiler (mm)	Option (305)	Option (254)	
Tine spacing (mm)	306	230	
Spacing between tines in a row (mm)	690		
Spacing between tine rows (mm)	800		
Under frame clearance (mm)	750 / Option 850		
Tine safety system	Standard: Shear bolt / Optional: spring-mounted auto-reset		
Levelling system	Standard without / Option hockey stick blade		
Levelling safety system	Spring-mounted blade		
Roller adjustment	Standard: mechanical / Optional: hydraulic		
Rear equipment (mm)	Rollers: single bar Ø 500 / Double bar Ø 400/Ø 300 / Impak U and V Ø 540 / Optional following harrow Ø 16		
Depth control	Roller		
Max. working depth (mm)	350		
Seed drill and walkway support kit	Available soon		
Road traffic lights	As standard		





**COVER**

DEEP STUBBLE CULTIVATOR

## **Versatile and efficient**

*Increased penetration thanks to heavyweight discs and chassis.*

*It enables versatile soil preparation and is ideal for complex root system destruction.*

# COVER V T50

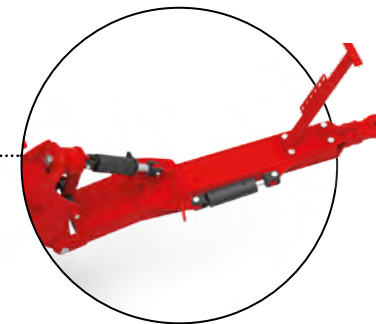
SEMI-MOUNTED V-PROFILE OFFSET DISC HARROW

From 24 to 36 discs - Tractors: 85 to 125 hp - Working width: 2.50 to 3.90 m



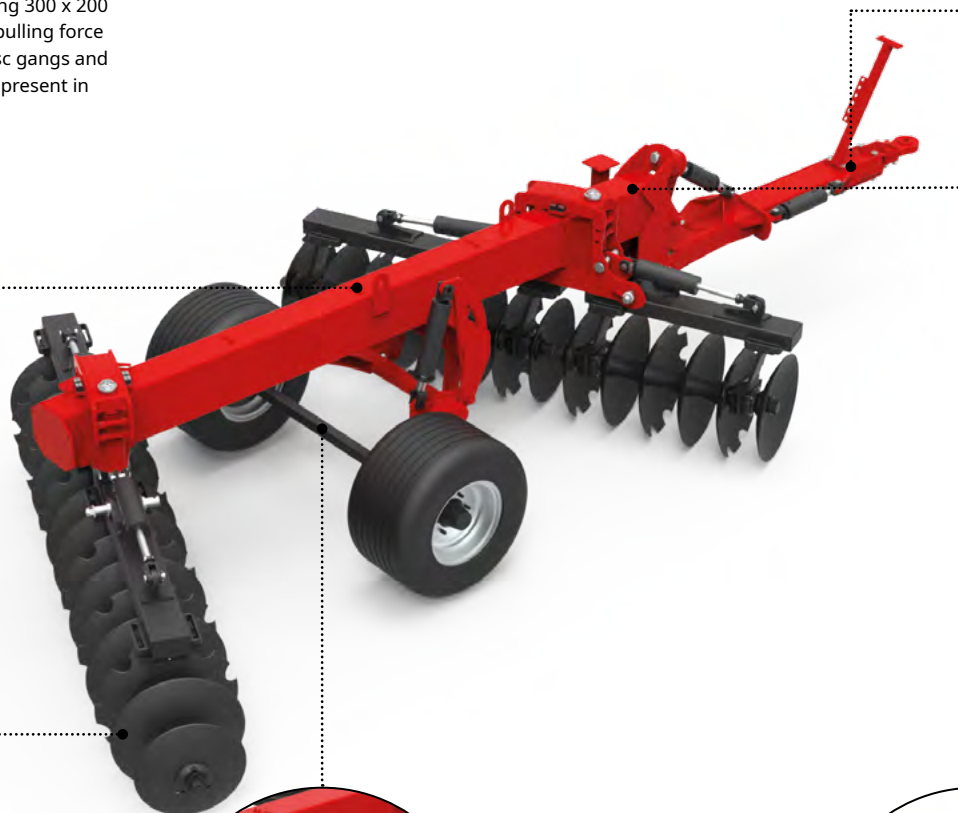
## Single beam chassis

Strength based on single-beam chassis design measuring 300 x 200 x 8 mm. It enables the pulling force to be directed to the disc gangs and to resist foreign bodies present in the ground.



## Drawbar angle

For optimal pulling power, the drawbar angle can be adjusted by a hydraulic cylinder. This system enables you to control the cylinder as desired.



## Graduated mounting

The disc gangs at the back of the machine are mounted gradually to ensure good soil levelling. The volume of soil that the front disc gang projects is recovered.



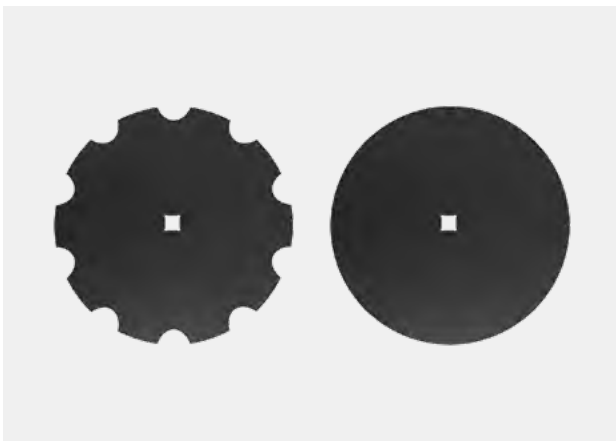
## Central axle

The centre positioning of the axle ensures good load transfer and precise control of the working depth.



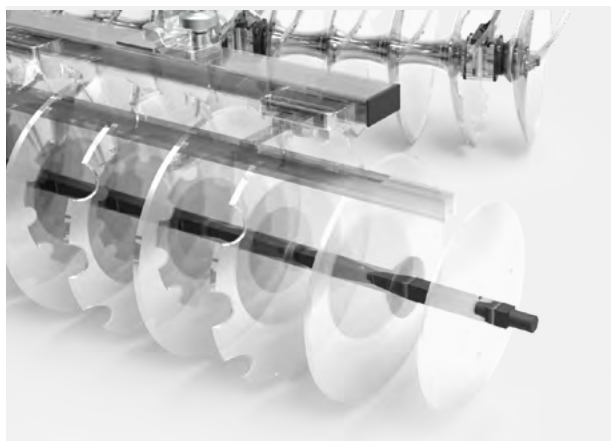
## Disc angle adjustment

The disc angle adjustment is mechanical as standard, as an option you can choose hydraulic adjustment. V-shaped disc gangs have the advantage of being more stable on uneven ground.



### Wide choice of discs

To improve disc gang performance, we offer two types of discs: notched and plain. 660 mm and 710 mm diameters are available, so you can adapt to your disc gang depth and the volume of organic matter present on your land. To limit disc diameter wear, several disc thicknesses are available.



### Robust stacking of disc gangs

Treated steel shafts absorb shocks well and do not lengthen when tightened. To simplify access for disc replacements, disc gangs are tightened and clamped from the ends.

The mechanically welded design along with the choice of steel make our disc gang seating the best on the market.



### Durable bearings

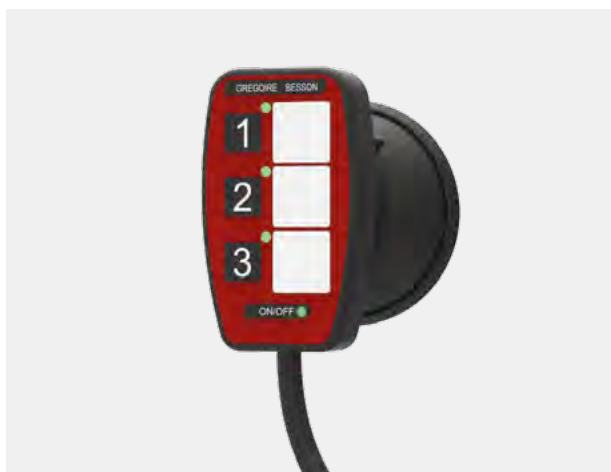
The compact, cast iron housing means that it will not interfere with the passage of residues. This minimizes jamming.

Thanks to triple sealed packing and two outward-facing seals, excess grease can escape but dust and debris cannot enter. This system extends service life and reduces maintenance to a minimum.



### Bearing protection

A bearing protection guard is recommended for very stony conditions. The aim is to preserve the bearing from wear and tear due to ground friction but also from impacts caused by foreign objects in the field.



### Hydraulic control box (optional)

All adjustments are made from the tractor cab even if you have only two or three double-acting valves. This allows you to combine a large number of hydraulic options for maximum ease of use.



### Safe transport

The machine's hydraulic folding system ensures safe transport. To make travelling easier, the Cover is 2.50 m wide and the height is optimized.



	COVER V T50 TECHNICAL SPECIFICATIONS			
Working width (m)	2.50	3.00	3.50	3.90
Tractor power (HP) <i>Tractor power (kW)</i>	85 / 100 62 / 73	90 / 110 66 / 81	100 / 120 73 / 88	110 / 125 81 / 92
Transport width (m)	2.50			
Transport height (m)	1,60	Standard 1,60 / Optional: 1.70	Standard 1,60 / Optional: 2.00	Standard 1,60 / Optional: 2.30
Indicative weight (kg)	2 700	2 850	3 000	3 150
Yoke hitch type (Cat.)	Turning hitch Ø 50 mm			
Chassis version	Standard horizontal folding / Optional vertical folding			
Number of discs	24	28	32	36
Disc diameters (mm)	Standard Ø 660 / Optional Ø 680 Roll'coup			
Disc thicknesses (mm)	7 mm at the front and 6 mm at the back			
Spacing between discs (mm)	230			
Under frame clearance (mm)	800			
Max. working depth (mm)	200			
Working part safety system	Fixed seating			
Disc angle adjustment	Standard: mechanical / Optional: hydraulic			
Stabilizing wheel	Not available			
Tyres	11.0/80 x 15.3 (Ø 845)			
Brakes	Not available			
Seed drill walkway	Not available			
Hectare counter	Option			
Roller adjustment	Not available			
Rear equipment (mm)	Not available			
Road traffic lights	Standard			



A photograph of an Occitan High-Capacity Stubble Cultivator working in a field. The machine is partially visible on the left, with its disc harrow turning over straw. The background shows a dense line of green trees under a clear sky.

# OCCITAN

HIGH-CAPACITY  
STUBBLE CULTIVATOR

## Enhanced skills

*An important weight per disc ratio and a non stop mechanical safety which allows the Occitan to be situated today between the Normandie and the Cover. A versatile range.*

# OCCITAN 50

HIGH-CAPACITY STUBBLE CULTIVATOR

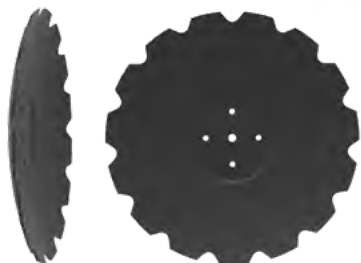
From 20 to 32 discs - Tractors : 85 to 125 hp - Working width: 2.50 to 4.10 m



## Large clearances

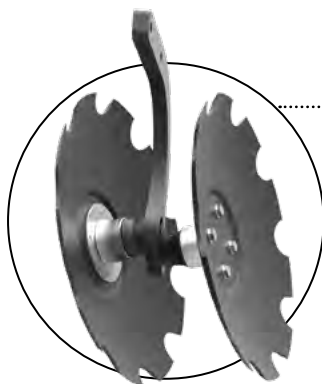
The distance between the two rows of discs is 950 mm, which makes the Occitan easy to work in the presence of a lot of plant residues without any risk of blockage.

The clearance under the beam that holds the safety devices is 650 mm. This height ensures that you can pass through the vegetation and work at a great depth without any problem.



## Two large-diameter discs

We offer two discs Ø 620 mm with large or small slots. These discs are self-sharpening and their crenellations ensure an optimal cutting of the residues for a good decomposition. The rather large curvature of the disc allows scalping over the entire surface and homogeneous mixing. As standard we offer a thickness of 6 mm.



## Two discs per arm

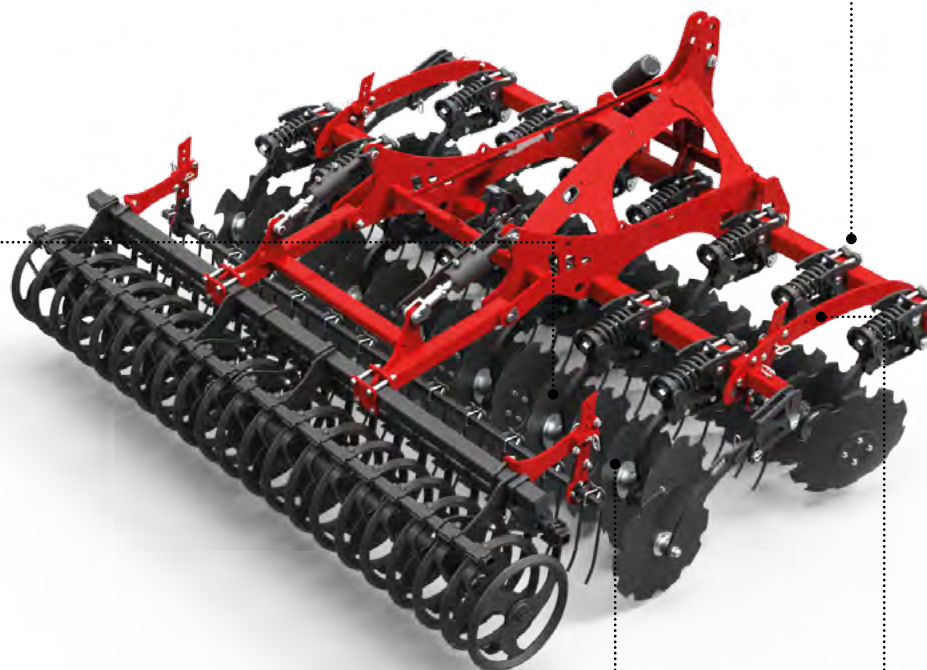
The safety devices have been designed to accommodate two offset bearings that allow perfect alignment of all the discs in the row. This means that we have exactly the same distance between each disc, which ensures that you get a homogeneous and high quality work. Having two bearings per arm has allowed us to increase the clearance in the machine and save weight. The forces are better distributed on the safety because there is one disc on each side, thus optimizing its operation. The penetration capacity of the tool is maximum even in dry conditions.



## Non-stop safety device springs out

The non-stop spring-loaded safety system provides you with optimum operating comfort and ensures that you can work non-stop. In addition, this system ensures a very good penetration of the discs due to its resistance to release.

Resulting from the technology used on the Eurochisel tooth of our Crossland range, it starts its release at 350 kg to reach a resistance up to 420 kg at 10 cm, then the resistance decreases to 18 cm. This system allows you to limit as much as possible the stresses and shocks in the frame in order to bring a long life to your equipment.



## High-strength frames

The design of our chassis ensures high resistance to stress and a very good distribution of traction forces. The tubes are nested in the oxycutting and the effort is multiple. The steels used are of superior quality for a top-of-the-range machine.



### Combination with a cutlery seeder

You have the possibility to integrate a plate and a gangway for the mounting of a 300 litre canopy seed drill. You have the choice between mounting a seed drill that you already have or mounting a seed drill in our factory and ordering it directly with the machine. The enormous advantage of combining semi and stubble cultivation is to reduce the depreciation cost of your tool which will be used on more surface and also to reduce your costs for the installation of cover crops.



### 4 rollers of your choice

We offer four types of rollers on this range of material. You can choose between a single square bar 500 roller adapted for good depth control and used for its aggressiveness on plant residues. There is also a double bar 500 400 roller which accelerates the decomposition of the residues and facilitates the contact between the soil and the seeds. We offer two versions of the impact 540 roller with a V profile for in-line finishing and deep soil consolidation and the U profile which allows the machine to be well maintained and push its limits in wet conditions.



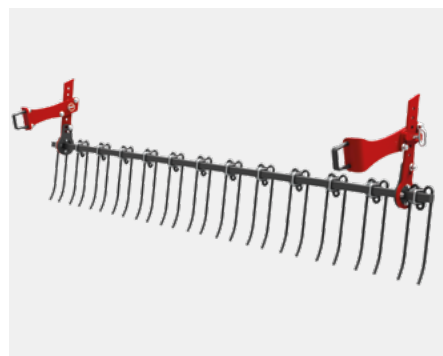
### Infinitely variable hydraulic roller adjustment

You can add a little technology to your machine by integrating the hydraulic roller adjustment option. We use the system of master-slave cylinders which ensures you have optimal adjustment precision. It also ensures that you don't have to get off the tractor to add wheel chocks and therefore you can change your working depth at any time according to your plot of land.



### A simple machine

We have chosen simplicity to make the tool easier to use. The depth settings of the combs or rollers are optimised so that you don't waste time in the field. Some adjustments can be made from the tractor cab if you choose the hydraulic option.



### Two optional comb harrows

You can customize your machine by adding one or two comb harrows. The first one can be placed between the two disc lines to channel the flow and make it fall down before the rear discs pass. This results in a better cut and a more even mulch. The second comb harrow placed between the last row of discs and the roller provides stability to the tool by limiting the projection of the flow into the roller, you can work at high speeds.



### Side deflectors ironclad

A left side deflector is fitted as standard and the right is optional (recommended). These disc deflectors catch the soil flow from the outside working discs and channel this flow into the machine template so that there are no markings between each pass. These devices are mounted on a swivel in order to retract in the event of encountering a foreign object.



### Lower cost per hectare

The work carried out on the Occitan on the disc arm angles and the choice of the disc with a pronounced curve allows us to affirm today that fuel consumption is limited. Tractive forces are low and the work remains homogeneous for a good decomposition of crop residues or cover crops. With the installation of a canopy seed drill (optional) you can cover a wider range of tasks on your farm.



## OCCITAN 50 TECHNICAL SPECIFICATIONS

	OCCITAN 50 TECHNICAL SPECIFICATIONS			
Working width (m)	2.50	3.00	3.50	4.00
Tractor power (HP)	85 / 125	105 / 150	125 / 175	140 / 210
Tractor power (kW)	62 / 93	78 / 112	92 / 129	103 / 154
Yoke hitch type (Cat.)	3N / 3 / Quick coupler			
Chassis version	fixed			
Number of discs	20	24	28	32
Type of disc	Standard large notches / Option small notches			
Disc diameters (mm)	620			
Disc thicknesses (mm)	6			
Spacing between discs (mm)	230			
Clearance between two rows of discs (mm)	950			
Under frame clearance (mm)	650			
Max. working depth (mm)	180			
Safety of the working element	Non-stop ressort			
Left anti-spray device	Standard			
Straight anti-spray device	Option			
Levelling comb between discs rows	Option			
Levelling comb between discs and roller	Option			
Comb harrows after the roller	Option			
Extra weight	Option			
Seed drill support	Option			
Seed drill walkway	Option			
Kit de diffuseurs	Option			
Roller adjustment	Standard: mechanical / Optional: hydraulic			
Rear equipment (mm)	Rollers : single bar Ø 500 / Double bar Ø 500 Ø 400 / Impak V Ø 540 / Impak U Ø 540			
Road traffic lights	Standard			





# NORMANDIE

SHALLOW STUBBLE  
CULTIVATOR

## High work output and ultra simplified maintenance

*A versatile tool for stubble cultivation from 2 up to 12 cm deep, stubble ploughing, soil preparation combined with sowing under plant cover.*

# NORMANDIE 50

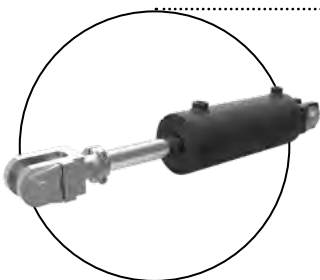
MOUNTED SHALLOW STUBBLE CULTIVATOR

20 or 32 independent discs - Tractors: 50 to 210 hp - Working width: 2.50 to 4.00 m



## Maintenance-free bearings

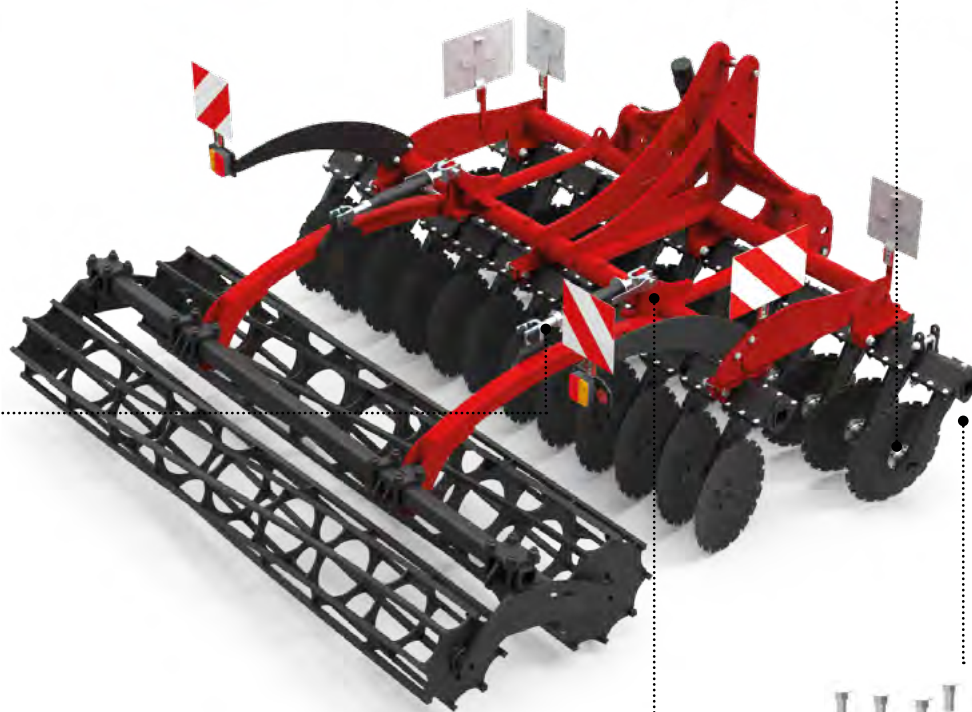
The sealing and lubrication technology of the Normandie bearings ensures maximum service life. Maintenance time is a factor that is often overlooked when calculating operational mechanisation costs. We have taken this into account to limit maintenance time.



## Hydraulic roller adjustment

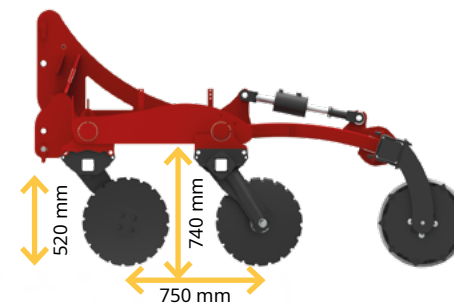
As standard, the roller adjustment is mechanical. It is equipped with a high stop for depth adjustment and a low stop for lifting the machine. This adjustment is carried out using a pin and an indicator on the stops.

As an option, you can choose a hydraulic roller adjustment using master-slave cylinder technology. You can adjust your equipment precisely under any circumstances from the tractor cab.



## A well-designed chassis

The top chassis is made of round tubes to minimize soil build-up and to reduce weight. In addition, the tubes are embedded in oxycut sections for greater tensile strength.



## Large clearances

The underframe clearance is 740 mm and the distance between the two rows of discs is 750 mm. These two factors mean that the presence of plants is no problem for the Normandie. Plant residue passes easily and there is no risk of jamming.



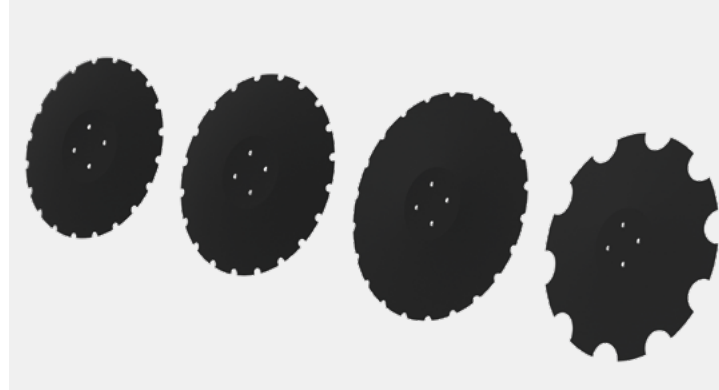
## Elastomer auto-reset safety system. One disc on each arm

Normandie working parts are attached to the lower frame by 4 elastomer buffers that act as a safety system in the event of impacts from foreign objects or stones. These elastomer buffers have flat faces for better contact with the chassis. The whole element is held in position firmly. Each disc has its own safety system to ensure outstanding contour following and consistency.



### Choice of rollers

You can choose between 5 different rollers depending on your work and the finish you want. You can equip your machine with a single Ø 500 mm bar roller which is suitable for good depth control and aggressive plant residue actions. There is also a double Ø 500/400 mm bar roller which accelerates the decomposition of residues and promotes soil/seed contact. We offer the Ø 540 mm Impak roller with a V-profile for in-line finishing and deep soil consolidation. The Ø 630 mm Elopak roller is available for effective firming and an excellent in-line finish. The Ø 660 mm Packer roller is suitable for seed bed preparation.



### A wide range of discs

You can choose between 4 different discs depending on the work you need to perform. A Ø 460 mm disc with small notches for very shallow stubble ploughing or soil preparation. We also offer a Ø 510 mm intermediate disc suitable for stubble tillage and ploughing back. For deeper work and for when there is a lot of plant residue, we have two Ø 560 mm discs with either small or large notches.



### Low operating costs

Maintenance costs are extremely low on the Normandie range. Working parts do not need any maintenance. You can use your time for other things.

This equipment is designed to work at high speed. This results in a higher work rate that is more profitable.

Years of experience have gone into our choices of angles and discs. We assure you that Normandie equipment is the right compromise between low fuel consumption and quality work.



### Combination with a vegetation cover seed drill

You have the option of integrating a support and a walkway for the installation of a 300-litre plant cover seed drill. You can either adapt your own seed drill or order one with the machine (factory assembly). The advantage of combining seed drilling and stubble ploughing is to maximise the use of your equipment which, in turn, improves depreciation costs. This combination also reduces your crop seeding costs.



### Optional following harrow

A following harrow is available as an option. It is located between the rear disc gang and the roller. The advantage of this system is that it limits the flow of soil and residues and brings it down again before the roller passes.

In addition, this system provides stability to the machine at high speed.



### Clean hitching

Normandie hitching is compatible with category 2, 3N, 3 and Quick Coupler SAE tractors. We have two hitching heights available which makes it possible to adapt the equipment to any tractor.

All axes are locked against turning, which prevents premature wear.



## NORMANDIE 50 TECHNICAL SPECIFICATIONS

Working width (m)	2.50	3.00	3.50	4.00
Tractor power (HP) <i>Tractor power (kW)</i>	50 / 95 37 / 70	75 / 120 55 / 88	100 / 165 73 / 121	125 / 210 92 / 154
Transport width (m)	2.50	3.00	3.50	4.00
Transport height (m)	1.50			
Approximate weight with single bar roller Ø 500 (kg)	1 400	1 550	1 750	2 100
Yoke hitch type (Cat.)	2 / 3N / 3 / Quick coupler	3N / 3 / Quick coupler		
Chassis version	Fixed			
Number of discs	20	24	28	32
Disc diameters (mm)	Standard Ø 510 / Optional Ø 460 - Ø 560			
Disc thicknesses (mm)	Standard 5 / Option 5 - 6			
Spacing between discs (mm)	250			
Clearance between two rows of discs (mm)	750			
Under frame clearance (mm)	740			
Max. working depth (mm)	120			
Working part safety system	Elastomer non-stop			
Levelling comb between discs and roller	Option			
Seed drill support	Option			
Seed drill walkway	Option			
Hectare counter	Option			
Roller adjustment	Standard: mechanical/Optional: hydraulic			
Rear equipment (mm)	Rollers: single bar Ø 500 / Double bar Ø 500 400 / Impak V Ø 540 / Emopak V Ø 600			
Road traffic lights	Standard			

# WORKING PARTS

## CROSSLAND



Double Mix      Universal

### Deflectors

The Double mix deflector rolls soil and organic residues together to enhance mixing and accelerate humification.

The Universal deflector creates a flow of soil and stubble on each side of the tine, this mixes the soil and straw together thanks to its projection height in the machine.



Dart      Standard

### Spoilers

The spoiler works in conjunction with a tip and there are two models depending on your type of tine, either Standard or Dart. The spoiler is intended to scalp root systems, like a knife. Its width of 254 mm gives you good overlapping.



Dart cast      Carbide dart      Reversible standard      Standard carbide

### Tips

A cast or carbide Dart tip can be fitted to a deflector to optimize residue mixing. It is suitable for work from 5 to 20 cm deep.

The reversible Standard tip is suitable for work from 5 to 15 cm deep.

The Standard carbide tip is used for deeper restructuring work, for heavy soils. It helps to increase productivity.



Standard

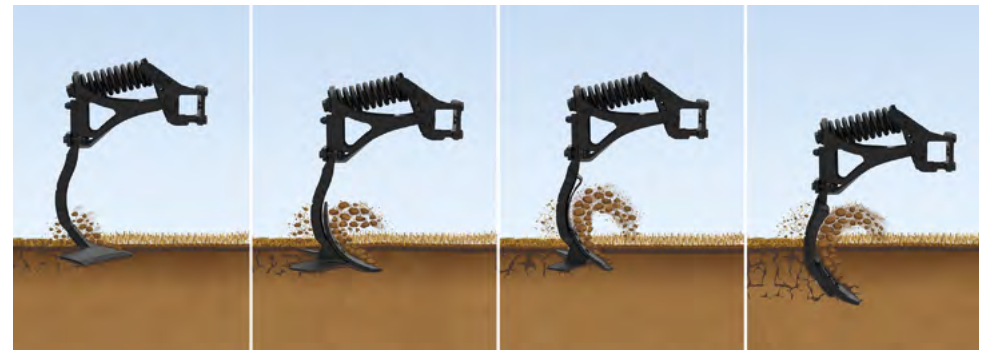
### Goose share

The Goose share is mainly used for shallow stubble ploughing. It provides effective weed scalping even at very shallow depths. It can be mounted with a double mix deflector to enhance weed material mixing.



**RELEASE  
UP TO 380 MM!**

Spring-mounted Eurochisel tine.

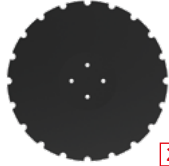


# DISCS

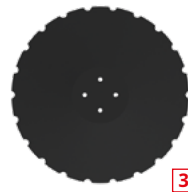
## NORMANDIE



**Small notches**  
Ø 460 mm,  
5 mm thickness.



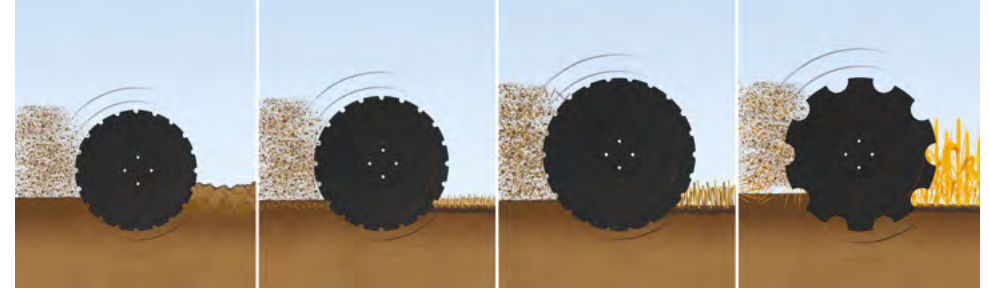
**Small notches**  
Ø 510 mm,  
5 mm thickness.



**Small notches**  
Ø 560 mm,  
6 mm thickness.



**Large notches**  
Ø 560 mm,  
6 mm thickness.



**1** Used in ploughing back or very superficial stubble tillage. Its small diameter makes it rotate very quickly for a smooth finish. **2** It's a good compromise. Used in ploughing back or superficial stubble tillage. It has a high wear resistance and enables progress in the presence of plant residues.. **3** The larger diameter disc is available with small notches for good residue cutting or large notches to increase its penetration capacity. It is suitable for stubble tillage depths up to 12 cm and for the destruction of high volume cover crops.

## OCCITAN

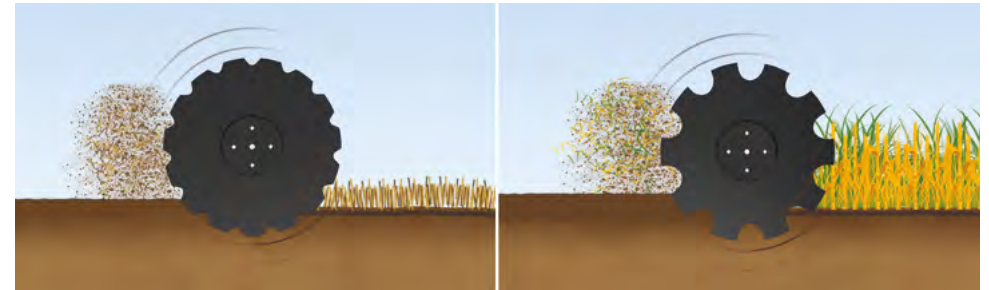


**Small notches**  
Ø 620 mm, 6 mm thickness.



**Large notches**

Ø 620 mm, 6 mm thickness.



**4** The discs with large notches ensure optimum penetration of the tool despite conditions that can be difficult. The large diameter allows for an evolution in the presence of a lot of plant residues.

**5** The small notches discs are better suited for cutting the residues and speeding up its decomposition. The large diameter allows an evolution in the presence of a lot of plant residues.

## COVER



**Notched**  
Ø 660 mm,  
6, 7 or 8 mm thickness.



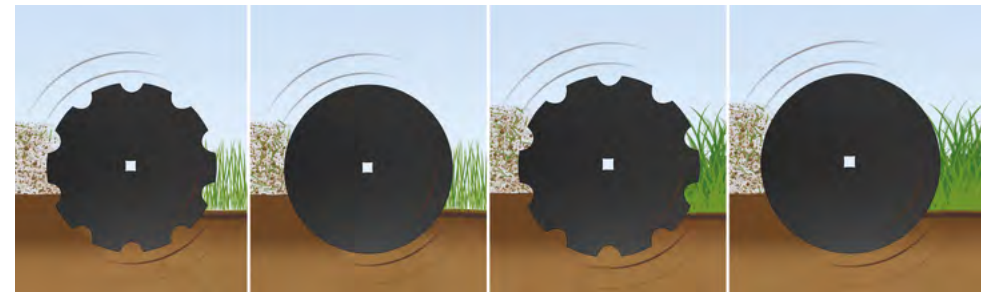
**Smooth**  
Ø 660 mm,  
6, 7 or 8 mm thickness.



**Notched**  
Ø 710 mm, 7 mm thickness.  
Ø 760 mm, 8 mm thickness.



**Smooth**  
Ø 710 mm, 7 mm thickness.  
Ø 760 mm, 8 mm thickness.



**6** A choice of discs with 660 mm diameter and 6, 7 or 8 mm thickness depending on the type of your soil. These discs are suitable for stubble ploughing, grassland destruction and ploughing in of a lot of plant residue. They can be smooth or notched according to your choice and are fitted interspersed as standard. **7** Depending on the type of your soil, we offer two discs with 710 mm and 760 mm diameters. These discs are suitable for deep work and ploughing in of a lot of plant residue. They can be smooth or notched according to your choice and are fitted interspersed as standard.

# REAR EQUIPMENT

Following harrow



Ø 500 mm or Ø 600 mm single bar roller



Ø 900 mm Single bar roller



Ø 400 / Ø 300 mm and Ø 500 / Ø 400 mm double crumbler roller



## Range Compatibility

Heavy soils

Medium soils

Light soils

Firming



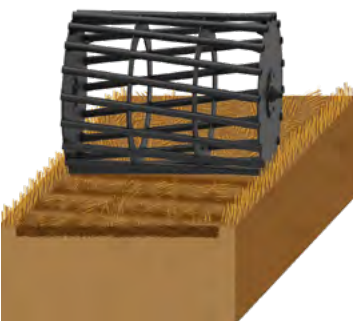
Following harrows are ideal for exposing weed root systems or crops to be destroyed to the air. It contributes to good levelling in light soils.

Aggressive on plant residues, this roller enables you to create a uniform mulch and accelerate stubble degradation while maintaining a good level of moisture in the soil. It is light and economical.

The Ø900 single cage roller ensures good control of the machine's depth and provides an optimal finish in sandy or light soil conditions. To avoid a finish that is too fine in light soil, it has been designed with round bars to be less aggressive and to provide more lift.

Twice as active, the double bar destroys the most resistant plant residues and leaves behind an excellent finish thanks to the difference in diameter between the front and rear roller. The unit is mounted on a pivot to follow land contours.

- Crossland**  
Stubble tine harrow
- Cover**  
Deep stubble cultivator
- Normandie**  
Shallow stubble cultivator
- Suitable**
- No firming**
- Some firming**
- Firming**
- Good firming**

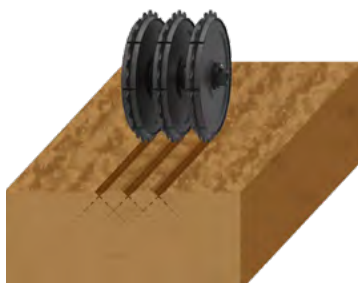


Ø 600 mm Emopak P roller



A heavy roller, the flat profile Emopak enables shallow compaction. It is ideal for self-seeding.

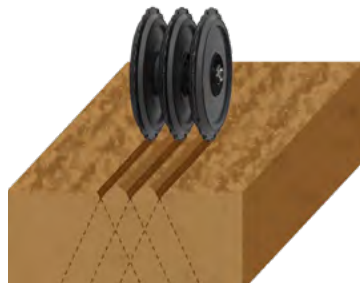
It crushes clods and promotes seed bed preparation to germinate weeds.



Ø 600 mm ou Ø 740 mm Emopak V roller



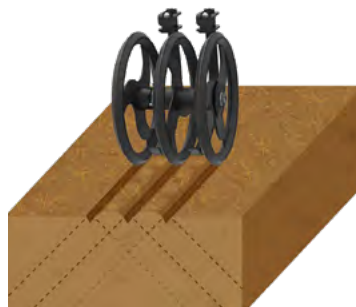
This roller is made of flanged, V-shaped and notched wheels. The Emopak V's mass gives you good consolidation, resulting in excellent in-line finishes. For self-seeding, it offers perfect soil/seed contact. It excels in dry, stony and cloddy soils.



Ø 540 mm or Ø 620 mm Impak roller



In wet conditions, the Impak roller allows uniform soil consolidation. Scrapers prevent soil build up and level between the passes of the roller wheel rows.



Ø 640 mm Impak U roller



The Impak U roller makes furrows and compacts. It's suitable for all dry soils. Compared to the Impak V roller, it is smaller, lighter and offers less reconsolidation.



Ø 640 mm double roller Impak U



The double Impak U roller Ø 640 mm provides good load-bearing capacity and earth contact for light to medium-heavy soils. The bearings are integrated directly into the cage for minimum space between the rollers. The optimised re-crossing ensures a homogeneous work.



# Service

Our commitment is to offer you a high quality and reliable service, to your satisfaction!

## Training



We train our distribution network sales representatives and technicians in our GB Academy training centre.

From new ranges and innovations to the latest product developments, you can trust that your contact is trained in all aspects of the brand.

## Demonstration



If an image is worth a thousand words, a demonstration is worth a thousand images.

**With our demonstration service, we will guide you through each step of the buying process.**

You can confirm your choice by testing the efficiency and strength of our equipment near you!

Contact our teams soon so we can guide you through your project!

## Getting started



For your first start-up or for readjusting the settings, our technical team and network are nearby to help you.

Well-adjusted equipment is the key to efficiency and a long service life.

Find the tutorials at:  
[gregoire-besson.com](http://gregoire-besson.com) on our services page, start-up.

## Parts



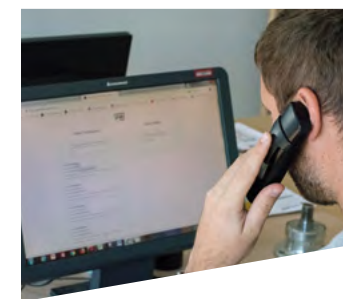
Original parts are designed together with the equipment by our engineers. The shapes, metal quality and settings are a guarantee of safety, traction optimization, economic fuel consumption and long service life of your equipment.

We provide a parts service with more than 7000 references in stock and 30 000 on the price list.

Our logistics platform enables us to ship several tons of parts every day worldwide.

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[gregoire-besson.com](http://gregoire-besson.com) on our services page, manuals, parts.

## After Sales Service



Do you have a question? Is there a problem?

Don't hesitate to get in touch with your dealer.

**We will find a solution.**

Under the 1-year manufacturer's warranty, we take care of the parts and labour involved.

Your equipment will be repaired quickly and you can concentrate on your work.

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China

[contact@gb-group.co](mailto:contact@gb-group.co)

# Our equipment range

## Reversible mounted ploughs

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Prima 50



Prima 70



Prima 80



Rover 40



Rover 50



Rover 60



Rover 70



Rover 80

## Premium reversible mounted ploughs

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## Semi-mounted ploughs

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Voyager S60



Voyager C60



Voyager S70



Voyager C80

## Soil looseners

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Helios Mono 60



Helios Duo 60



Helios Duo 70



Helios Duo 80



Helios Duo T80



Helios Duo T90



Helios Cracker 70



Helios Cracker 80

## Clearing equipment

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Explor T70



Explor T80



Explor T90

## One pass finishers

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Discordon 60

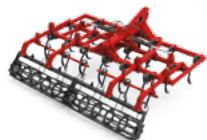


Discordon T70



Discordon T80

## Light stubble tine harrows



Dekoflex 60

## Stubble tine harrows



Crossland 50



Crossland 60



Crossland T60



Crossland T70



Crossland T80

## Disc harrows



Normandie 50



Normandie 60



Normandie T60



Normandie T70



Normandie T80

## Shallow Stubble Cultivators



Occitan 50



Occitan 60



Occitan T60

## Offset disc harrows



Cover V T50



Cover V T60



Cover X T60



Cover XL T60



Cover V T70



Cover X T70



Cover XL T70



Cover X T80



Cover XL T80



Cover XL T90

## Soil consolidation



Planipack 50



Planipack 60

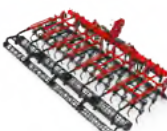


Planipack 70

## Seed bed preparation equipment



Tetra 50



Tetra 60



Tetra 70



Tetra 80

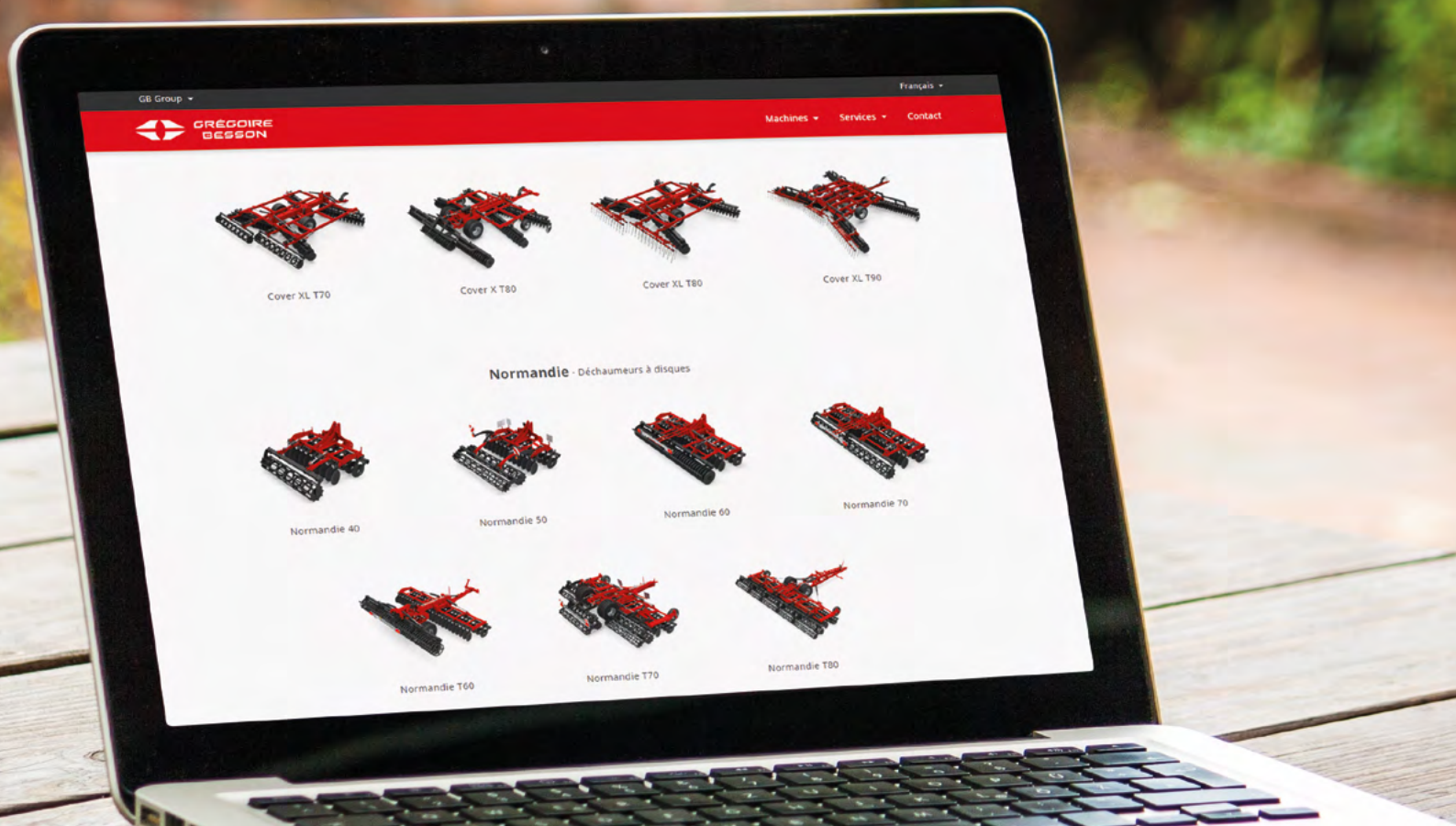


## Ask for our brochures!

More than 60 machines are shown in 11 brochures.

### 4 functions, 6 segments

When you make your request, either online or to your sales representative, specify the type of cultivation you need and then choose your segment (40 50 - 60 70 - 80 90) according to the power of your tractor (see table p.5).



You can easily connect to [gregoire-besson.com](http://gregoire-besson.com) from your smartphone, tablet and computer



Specify the power of your tractor and learn about the products that are right for you



Come and browse through our ranges of Ploughs, Disc and Tine equipment



Check out our product videos



Configure your equipment with a few clicks and ask for a quote

# gregoire-besson.com



# Configure your soil preparation equipment online!

Explore the full range of possible configurations and get a price quote with just a few clicks!

1

From the home page, choose the machine of your choice (or choose a product range from the «Machines» tab at the top right)!

2

On the product page, click on the link to access the tool configuration!

3

Start the configuration!  
Begin by choosing the power of your tractor and then follow the next steps!

**START  
THE CONFIGURATION**



**FOLLOW  
THE  
CONFIGURATION  
STEPS**

**YOUR CONFIGURATION IS FINISHED!**

You can receive it by email, print it and ask for a quote.

	40	50	60	70	80	90
REVERSIBLE MOUNTED PLOUGHS	●	PRIMA 50	●	PRIMA 70 PRIMA P70	PRIMA 80	●
PREMIUM REVERSIBLE MOUNTED PLOUGHS	ROVER 40	ROVER 50	ROVER 60	ROVER 70	ROVER 80	●
SEMI-MOUNTED PLOUGHS	●	●	VOYAGER 560 VOYAGER C60	VOYAGER 570	VOYAGER C80	●
SUB-SOILERS	●	●	HELIOS MONO 60 HELIOS DUO 60	HELIOS DUO 70 HELIOS CRACKER 70	HELIOS DUO 80 HELIOS DUO T80 HELIOS CRACKER 80	HELIOS DUO T90
DISC HARROWS	●	●	●	EXPLOR T70	EXPLOR T80	EXPLOR T90
ONE PASS FINISHERS	●	●	DISCORDON 60	DISCORDON T70	DISCORDON T80	●
LIGHT STUBBLE TINE HARROWS	●	●	DEKOFLEX 60	●	●	●
CHISELS	●	CROSSLAND 50	CROSSLAND 60 CROSSLAND T60	CROSSLAND T70	CROSSLAND T80	●
DEEP STUBBLE CULTIVATORS	●	COVER V T50	COVER V T60 COVER X T60 COVER XL T60	COVER V T70 COVER X T70 COVER XL T70	COVER X T80 COVER XL T80	COVER XL T90
HIGH-CAPACITY STUBBLE CULTIVATORS	●	OCCITAN 50	OCCITAN 60 OCCITAN T60	●	●	●
SHALLOW STUBBLE CULTIVATORS	●	NORMANDIE 50	NORMANDIE 60 NORMANDIE T60	NORMANDIE T70	NORMANDIE T80	●
SEED-BED PREPARATORS	●	TETRA 50	TETRA 60	TETRA 70	TETRA 80	●
SOIL CONSOLIDATION	●	PLANIPACK 50	PLANIPACK 60	PLANIPACK 70	●	●

