

40 50 60 70 80 90

6 0



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

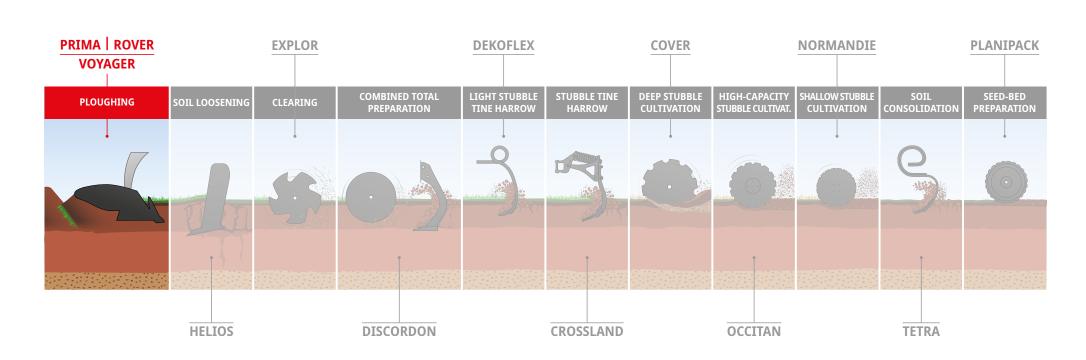


With our employees, 1 objective: customer satisfaction

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



3 PLOUGH RANGES TO MEET YOUR NEEDS

PRIMA

Basic reversible mounted plough with few Optionals, making it simpler and more reliable.

ROVER

Reversible mounted plough, a top of the range product with a wide choice of Optionals and high adaptability to all types of tractors.

VOYAGER

Semi-mounted reversible plough with two frames: «S» for single wheels «C» for carriages.

A simple range

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Reversible mounted ploughs

Premium reversible mounted ploughs

Semi-mounted ploughs

Farm size

Tractor power

Cylinders

Lifting capacity

40

ROVER 40





3,5T

50

PRIMA 50

ROVER 50





8989 =|H|H|H|E 4

5T/6,5T

60

ROVER 60

VOYAGER S60 VOYAGER C60





9999 =||#|#|#|= 4/6



70

PRIMA 70

ROVER 70

VOYAGER S70





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80

PRIMA 80

ROVER 80

VOYAGER C80







90





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10,5T



We are convinced that the food challenges of the 21st 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

PRIMA

Reversible mounted plough



Prima 70 ______ p.12

ROVER

Premium reversible mounted ploughs





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VOYAGER

Semi-mounted ploughs



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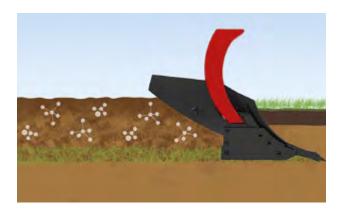
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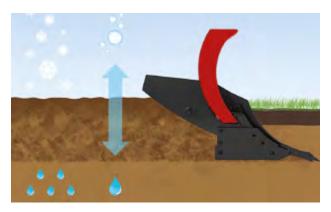


Turning under

Ploughing allows organic matter to be distributed in the profile, as well as fertilizers (manure, slurry, residues, plant cover, grassland).

Ploughing enables important soil elements (such as phosphorus and potassium) to become available for the roots of your future crop.

By mixing all these elements in a large volume of soil, ploughing helps to sustain future crops.

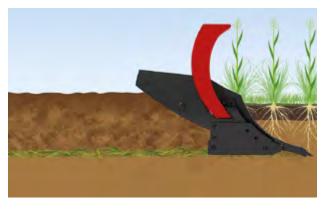


Soil structure

Ploughing improves soil structure. By turning and loosening the soil, ploughing allows air and water to circulate.

Then freezing and thawing actions break up the soil, creating a structure that is suitable for cultivation.

Ploughing is an effective step in seedbed preparation.



Weed control

Ploughing buries weed seeds deep enough so that they do not germinate and compete with the desired crop.

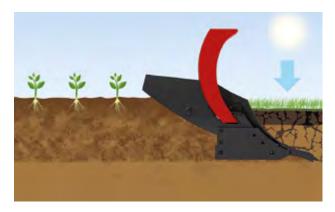
This makes it possible to mechanically clean the soil surface and reduce input costs for farmers. Chemical intervention is no longer necessary.



Water circulation

Ploughing allows water to infiltrate and circulate freely and so limit retention.

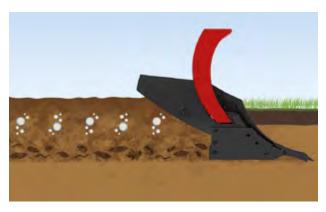
By circulating within the intermediate and deeper layers, water does not create surface crusting which can lead to surface erosion of nutrient-rich soil.



Extreme weather

When droughts or heavy rains prevent simplified cultivation, ploughing provides a reliable solution.

By bringing a uniform and balanced level of moisture into the different layers, it becomes possible to plant again despite challenging conditions.



Mineralization

Ploughing makes nitrogen less volatile by trapping it in the soil which accelerates mineralization.

Nitrogen accelerates the decomposition of organic matter. Existing crops benefit from its increased availability.



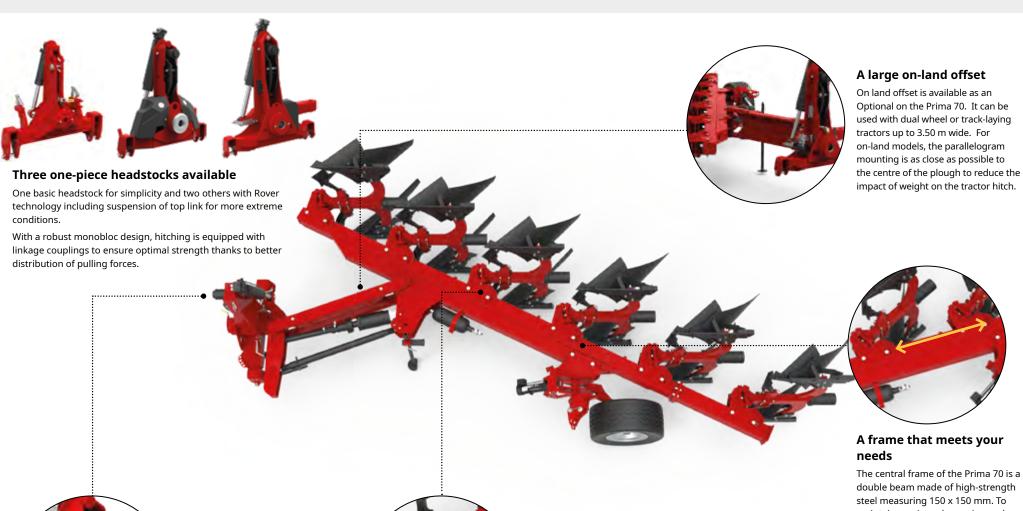


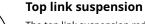


Simplicity and reliability

The Prima range has been designed for simplicity and durability.

These reversible mounted ploughs are hardwearing and provide cost-effective ploughing.





The top link suspension reduces damage to the tractor chassis and plough, the top link coupling can be connected to a hydraulic system that absorbs shocks. Changing to the transport position is simplified by moving a pin that releases the entire coupling without having to remove the top link from the tractor.



Several adjustable working widths

The working width is adjustable from 12 to 20" (30 to 50 cm) with inter-body clearance of 1 000 mm and from 14 to 22" (35 to 55 cm) with inter-body clearance of 1 100 mm. This multi-position adjustment is carried out by moving a screw and changing the angle of the support bracket. Five settings are available. This is a simple, tried and tested system which provides stability, strength and long service life. Additional equipment such as skimmers and coulters adapt to the desired width at the same time as the ploughing elements.

The central frame of the Prima 70 is a double beam made of high-strength steel measuring 150 x 150 mm. To maintain precise axle spacing and guarantee good quality ploughing, rings are welded in the beam and then milled after welding.

The frames are available with an inter-body clearance of 900 mm as standard and 1,000 and 1,100 mm as Optionals.

For in-furrow models, we offer a hydraulic realignment cylinder that allows you to re-centre the plough during the turning phases.



A single multi-position in-furrow offset

Good ploughing depends on the best possible plough adjustment and a suitable tractor/implement coupling. The Prima 70 is equipped with multi-position adjustments to adapt to different tractor tyre spacings ranging from 1.30 m to 1.65 m. The design of this offset reduces the overhang for easier handling.



Clearance

To adapt to the wide range of conditions in different parts of the world, the Prima 70 is equipped with several ploughing element heights. The standard height is 1,600 mm. Optionalal heights of 1,700 mm and 1,800 mm are available for working conditions with a lot of plant residue or where there is a need to work at greater depths.



Also available as a front plough

The Prima 70 is also available in as a front plough for attachment to the front tractor hitching. The number of bodies on this plough is limited from 2 to 4 elements.





Mechanical or hydraulic vertical plumb adjustment

The basic headstock is equipped with a mechanical screw tilt, accurate and simple to use. If you choose high-tech headstocks, they are both equipped with hydraulic tilt. You can change the settings from your tractor cab.



Well-positioned wheels

The wheel positioning is very important for the plough to work correctly. There are two types of fitting. A rear wheel is more suited to small ploughs. The wheel gives the plough maximum load transfer on the tractor link arms. A side wheel is more suitable for ploughs with 5 bodies and more.



Shafts designed to support

The shaft is adapted to the headstock you choose. The shafts, core treated for increased impact resistance, are hollow to allow hoses to pass through and be protected. They have the same diameter over the entire length, which makes them strong and durable.



	PRIMA 70 TECHNICAL SPECIFICATIONS										
Type of plough		Front plough		Rear plough							
Number of bodies	2 bodies 2	3 bodies 2+1 3	4 bodies 3+1	4 bodies 3+1 4	5 bodies 4+1 5	6 bodies 5+1 6					
Tractor power (Hp) Tractor power (kW)		125 / 310 92 / 228		125 / 185 92 / 136	175 / 245 129 / 181	235 / 310 173 / 228					
Yoke hitch type (Cat.)		2/3N		3N / 3 / 4N							
Shaft (mm)		115		Standard 115 / Optional 120 / 140							
Beam measurements (mm)			150	x 150							
Point to point height (cm)		Standard 170 / Optional 180			Standard 160 / Optional 170 /	180					
Point to point distance (cm)		100		Standard 90 / Optional 100 / 110							
Working width adjustment	Multi-position 12" / 14" / 16" / 18" / 20" Multi-position 30 cm / 35 cm / 40 cm / 45 cm / 50 cm										
Offset		In-furrow		Mechanical in-furrow / Optional on-land							
Offset adjustment	Standa	ard mechanical/ Optional hyd	raulic	N	lechanical in-furrow / Hydraulic	on-land					
Tilt adjustment			Mechanical b	by tension rod							
Automatic realignment		Standard		Optional Standard							
Vertical plumb		Screw mechanism			Screw mechanism / Optional hy	draulic					
Safety	Shear b	olt / (B) / Non-stop hydraulic	(Y) / (Z)	Shea	ar bolt (C) / (B) / Non-stop hydra	ulic (Y) / (Z)					
Wheel		vheel (RJR) or lateral (RJL) / (RT1) ined depth and side wheel (RTT	Г10) / (RTHD) / (RTRH) ใТТ10) / (RCRH)								
Wheel adjustment		Mechanical		Mechanical / Hydraulic							
Knife coulter	As standard										
Disc coulter	Not available Available on all bodies*										
Road traffic lights			Available								

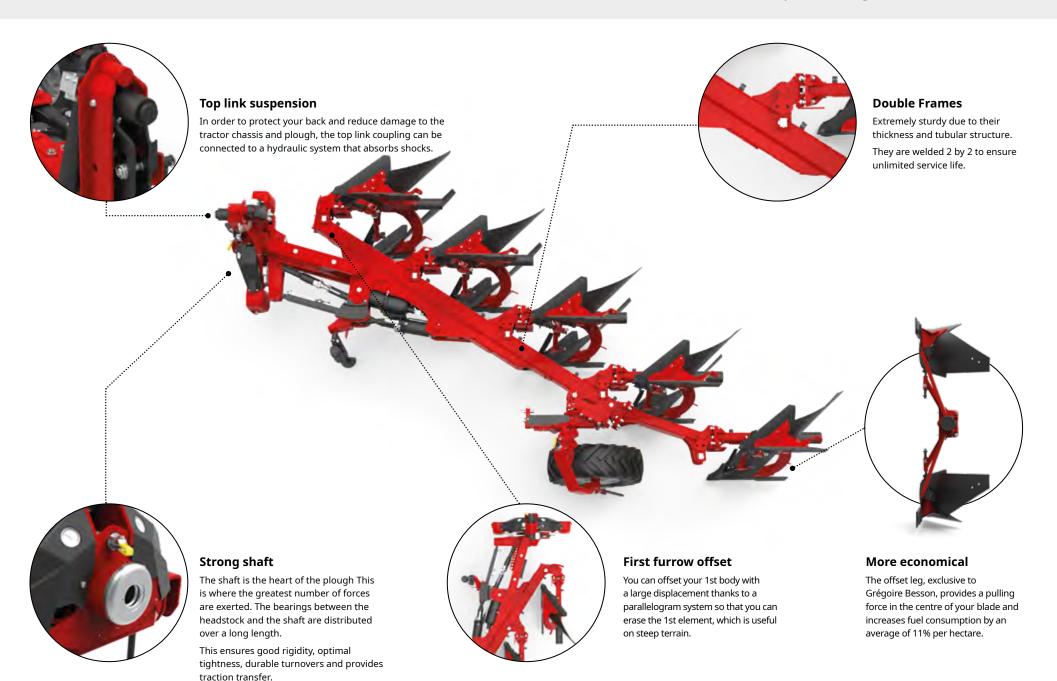




Versatility and strength

Simplified operating comfort for a high degree of versatility.

This product is well suited to your tractor with its wide range of economical and user-friendly and options.





Independent offset and tilt

The Grégoire Besson parallelogram system enables you to make fine adjustments between the offset and the tilt.

This allows you to adapt the plough to different tractor tracks, plough evenly on slopes and completely erase the first body line.



Compact dimensions and Z beam

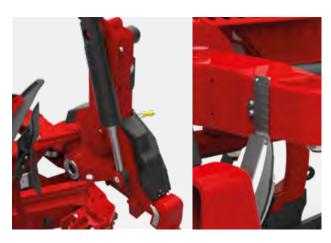
With optimised lengths, the first body being as close as possible to the tractor and with body spacing starting at 900 mm, the overall size of Rover mounted ploughs is reduced. For more than 4 bodies, we offer Z-beam mounting. The last body is positioned along the wheel track so that no area is left unworked. This improves the load transfer and improves ploughing accuracy.



Protective Covers

To protect hydraulic hoses and other vulnerable components, we fit protective covers on the headstock to minimize damage and soil accumulation.

The pressure gauges are still visible for reading from the cab.



Hydraulic vertical plumb

Also for in-furrow tilling, if you are ploughing at different working depths, hydraulic vertical plumb adjustment is recommended.

It makes handling even easier and corrects the vertical inclination of the plough after the first pass. It also provides greater safety when coupling or uncoupling the Rover.



Mechanical vertical plumb

Mechanical vertical plumb adjustment is ideal for in-furrow ploughing and for users who always plough at the same depth on uniform plots.

If you need to straighten your plough in relation to the tractor angle in the furrow, simply change the number of metal shims in the vertical plumb settings.



Control box

All settings can be carried out from the tractor cab even if only three double-acting valves are used. To take advantage of all the plough functions, you don't need to have a large number of valves





	ROVER 60 TECHNICAL SPECIFICATIONS										
Number of bodies	4 bodies		5 bodies		6 bodies						
	4	4+1	5	3+2	4+2	5+1	3+1+2				
Tractor power (Hp) <i>Tractor power (kW)</i>	120 / 170 88 / 125										
Yoke hitch type (Cat.)	2/3N/3										
Shaft (mm)	115										
Beam measurements (mm)	140 x 140										
Point to point height (cm)	170										
Point to point distance (cm)	Standard 90 / Optional 100 / 110* Standard 90 / Optional 100										
Working width adjustment	Multi-position* or Hydraulic**	Multi-position* or Hydraulic** Multi-position*					Hydraulic**				
Tilt adjustment		Me	echanical by tension	rod							
Automatic realignment		Standard /	Optional without m	ulti-position							
Offset			In-furrow								
Offset adjustment		Mechanical b	y tension rod / Option	onal hydraulic							
Vertical plumb		Mechanical	using shims / Option	nal hydraulic							
Safety	Shear bolt (C) / (B) / Hydraulic auto-reset (Y)										
Wheel	Rear depth wheel (RJR) Side depth wheel (RT10) / (RTRH) Combined depth and side wheel (RT10) / (RCRH) / (RLBM) / (RLBM)										
Wheel adjustment	Mechanical Mechanical ou Hydraulic										
Knife coulter	As standard										
Disc coulter	Optional										
Road traffic lights			Available								

^{*} Multi-position 14" / 16" / 18" / 20" / 22" Multi-position 35 cm / 40 cm / 45 cm / 50 cm / 55 cm.

^{**} Hydraulic 12" to 20" Hydraulic from 30 to 50 cm.



Top link suspension

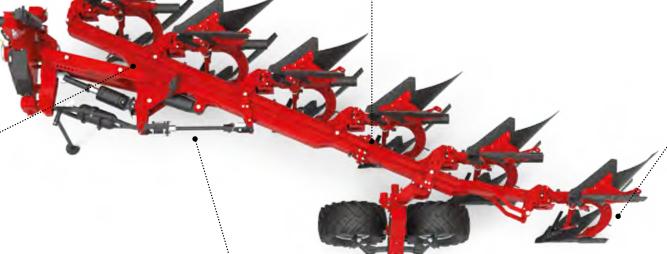
In order to protect your back and reduce strain to the tractor chassis and plough, the top link coupling can be suspended using a hydraulic damper. You no longer need to take off the top link during transport, all you need to do is simply and safely remove a pin.

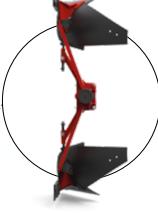


Tried and tested beam

The beams are doubled up to increase their durability.

For over 15 years, they have been proven to adapt to all types of soil and climatic conditions.





Vertical plumb

The plough tilt can be adjusted from the cab with a hydraulic system or mechanically using a set of shims, which gives you simple and efficient adjustments.



Alignment arm

Elastomer blocks make it possible to absorb the different stresses that the machine sustains. Efficient both at work and in transit, your Rover is flexible and reliable.

Offset leg

A simple mechanical principle that reduces the pull of the plough, improving fuel consumption and reducing wear and tear on your working parts.

For 100 hectares per year, the offset leg can save you up to 150 litres of fuel.

It integrates the wheel to simplify border ploughing.



Independent offset and tilt

The Grégoire Besson parallelogram system enables you to make fine adjustments between the offset and the tilt. This allows you to adapt the plough to different tractor tracks, plough evenly on slopes and completely erase the first body line.



Adding or removing a body

Depending on the model you choose you can add or remove a body according to the model of your tractor. The additional body is added between the Z extension and the beam to ensure that your depth wheel is always in the right position.



Z beam

We offer Z-beam mounting. The last body is positioned along the wheel track so that no area is left unworked. This means you can get as close as possible to your field borders.



Control box

All settings can be carried out from the tractor cab even if only two or three double-acting valves are used. This allows you to combine a large number of hydraulic choices for easy handling.



A wide choice of wheels

We have a wide range of depth wheels available. They have the largest diameters on the market, which means you can cross any type of soil without any wheel jamming problems.

They can be combined depth/transport or an additional kit can be added. Finally, in sticky conditions you can fit a flange to your wheel rims so that soil does not accumulate on them.



Ergonomically designed head

The hydraulic components integrated on the headstock are protected by covers to prevent any accumulation of soil. We have integrated the oil pressure gauges into these covers to ensure continuous visual display.



	ROVER 70 TECHNICAL SPECIFICATIONS									
	4 bodies		5 bodies		6 bodies				7 bodies	
Number of bodies	4	4+1	5	3+2	5+1	3+1+2	4+2	5+1+1	4+1+2	
Tractor power (Hp) Tractor power (kW)	160 / 210 118 / 154		170 / 240 125 / 176			180 / 260 132 / 191 200 / 310 147 / 228				
Yoke hitch type (Cat.)	3N et 3									
Shaft (mm)	120									
Beam measurements (mm)					160 x 160					
Point to point height (cm)				Star	ndard 170 / Optiona	l 180				
Point to point distance (cm)	Stand	ard 90 / Optional 100	0 / 110			Standard 90 /	Optional 100			
Working width adjustment		Multi-position*		Hydraulic**	Multi-position*	Hydra	ulic**	Multi-position*	Hydraulic**	
Tilt adjustment				Me	chanical by tension	rod				
Automatic realignment				Star	ndard / Optional wit	hout				
Offset		In-furrow		Standard in-furrow / Optional on- land	In-furrow	Standard i Optional		In-furrow	Standard in-furrow / Optional on- land	
Offset adjustment				Mechanical b	y tension rod / Opti	onal hydraulic				
Vertical plumb				Mechanical	using shims / Optio	nal hydraulic				
Safety				Shear bolt (C)	/ (B) / Non-stop Hy	draulic (Y) / (Z)				
Wheel	Rear depth wheel (RT10) / (RTRH) Combined depth and wheel (RJR) Rear depth wheel (RJR) Rear depth wheel (RT10) / (RTRH) Rear depth side wheel (RT10) / (RCRH) / (RLBM) / (RLBH) Combined depth and side wheel (RTT10) / (RCRH) / (RLBM) / (RLBH)									
Wheel adjustment	Mechanical or Hydraulic Mechanical or Hydraulic									
Knife coulter	As standard									
Disc coulter	Available									
Road traffic lights	Available									

^{*} Multi-position 14" / 16" / 18" / 20" / 22" Multi-position 35 cm / 40 cm / 45 cm / 50 cm / 55 cm.



^{**} Hydraulic 12" to 20" Hydraulic from 30 to 50 cm.





Voyager

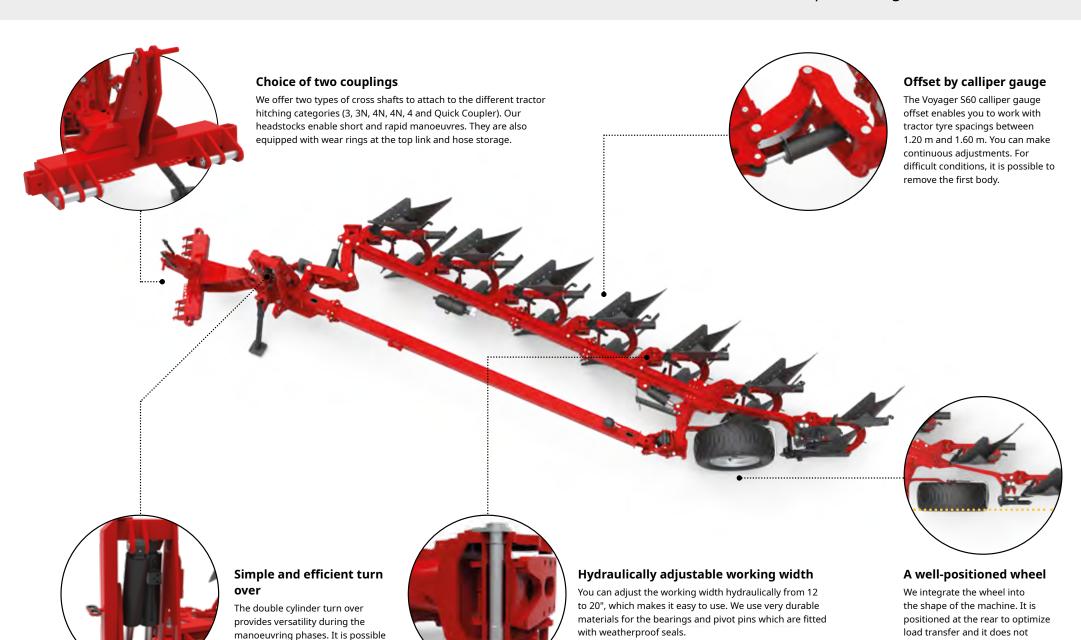
The Voyager range is suitable for large working areas and for medium to high-power tractors.

These ploughs improve your profitability and productivity as they provide a high level of performance in all conditions worldwide.

protrude, making ploughing the

edges of plots easier.

SEMI-MOUNTED PLOUGH



to reverse the turning process at

any time without any jolting. This is exclusive to Grégoire Besson.



Screw tilt adjustment

The tilt adjustment of your plough is precise and easy to carry out. Two screws on each side of the turnover system are used for this operation. The locknut prevents any loosening.



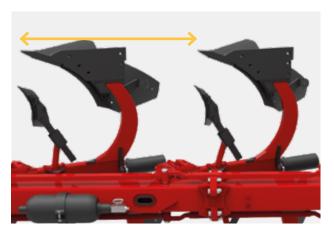
Multi-position working width

This plough model is equipped with the latest technology for the mechanical working width adjustment. This adjustment can be performed quickly by changing the angle of each element. Simply unscrew the pivot retaining screw, set the pointer to the desired width and then retighten.



Adding or removing a body

You can add or remove an element. If you are planning to buy a tractor with higher or lower power, you can adapt your plough. You will have to specify this when ordering so that the plough is pre-configured.



Adapted inter-body spacing

For this plough model we have opted for a 1,000 mm inter-body spacing. The distance between each element allows you to work with high levels of plant residue without the risk of clogging.



Control box

As an option, we have a hydraulic switch with 2 or 3 functions. This control box enables you to centralize several functions on the same valve. This is necessary if you do not have enough valves available on your tractor. It lets you limit the number of hydraulic connections and makes it easy to use in the cab.



One wheel for all conditions

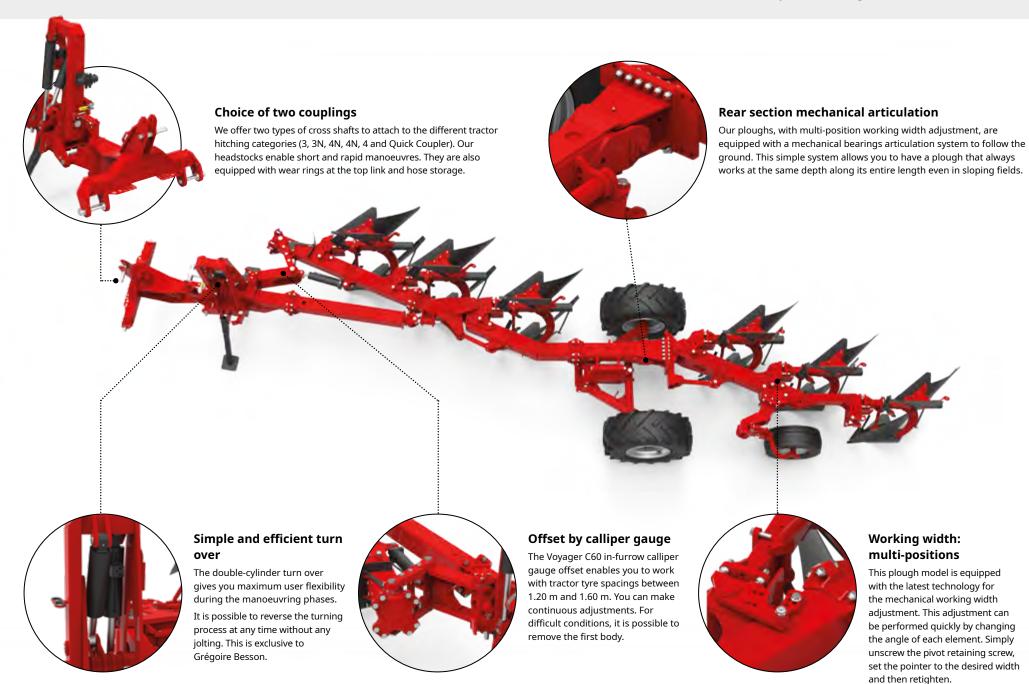
A wheel is available on this plough model. This wheel, which has a width of 400 mm, provides stability for transport and handling. Its 980 mm diameter also provides good traction in wet conditions. The Voyager S60 is authorized to travel at 40 km/h.





	VOYAGER S60 TECHNICAL SPECIFICATIONS								
Number of bodies	5 bodies	6	7 bodies						
Number of boules	2+3	2+1+3	3+3	3+1+3 4+3					
Tractor power (Hp) Tractor power (kW)	125 / 160 155 / 190 185 / 220 92 / 118 114 / 140 136 / 162								
Yoke hitch type (Cat.)	Standard 3N / 3 / 4N / Optional 3 / 4								
Type of turn over	Double cylinders								
Beam measurements (mm)	160 x 160								
Point to point height (cm)	Standard 170 / Optional 180								
Point to point distance (cm)	100								
Working width adjustment	Multi-position 12" / 14" / 16" / 18" / 20"/ Optional hydraulic Multi-position 30 cm / 35 cm / 40 cm / 45 cm / 50 cm / Optional hydraulic								
Offset	In-furrow								
Offset adjustment	Hydraulic								
Vertical plumb	Screw mechanism								
Safety			Shear bolt / (B) / Hydraulic auto-rest	Y) / (Z)					
Wheel	400/55 x 22,5 (Ø 980 mm)								
Wheel adjustment	Screw mechanism								
Knife coulter	As standard								
Disc coulter	Available on all bodies*								
Road traffic lights	Available								

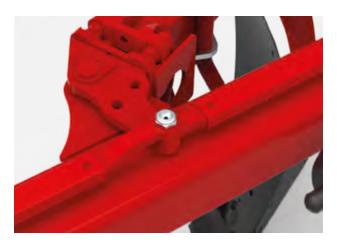
^{*} Please contact us according to the configurations





Rear section hydraulic articulation on vario models

Our ploughs with the vario option are also equipped with an innovative system that allows you to control the lifting and lowering of the plough rear section. This system allows you to enter and leave the furrow smoothly for uniform headlands. This system also allows you to position your plough for horizontal manoeuvring.



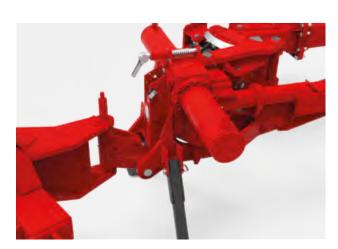
Hydraulically adjustable working width

If you choose this option, you can hydraulically adjust the working width from 12 to 20", which provides you with a comfortable working environment in the cab. We use very durable materials for the bearings and pivot pins which are fitted with weatherproof seals.



On-land offset for vario models

On ploughs with the vario option, you can choose an on-land offset that will enable you to work with dual tractors up to 3.50 m wide or track-laying tractors.



A rack and pinion turnover system on vario models

The plough model with the vario option is equipped with a rack and pinion turnover system as standard, exclusive to Grégoire Besson. The turnover speed is constant and smooth. We have over 20 000 turnover systems of this type in service around the world.



Hydraulic load transfer on vario models

The hydraulic load transfer system helps you to optimize your tractor's traction. The load is well distributed over all four wheels of the tractor. This reduces fuel consumption and reduces your operating costs per hectare.



Control box

As an option, we have a hydraulic switch with 2 or 3 functions. This control box allows you to centralize several functions on the same valve, which is very useful if you do not have enough valves available on your tractor. It lets you limit the number of hydraulic connections and makes it easy to use in the cab.



	VOYAGER C60 TECHNICAL SPECIFICATIONS										
Number of bodies	6 bodies		odies		8 bodies	I	9 bodies	10 bodies			
	3/3	3+1/3	4/2+1	4+1/3	4/2+1+1	5/2+1	5/2+1+1	6/2+1+1			
Tractor power (Hp) Tractor power (kW)	125 / 180 108 / 134	165 / 200 123 / 149			185 / 220 138 / 164		205 / 240 153 / 179	225 / 260 168 / 194			
Yoke hitch type (Cat.)	Standard 3N / 3 / 4N / Optional 3 / 4										
Type of turn over	Double	cylinders	Rack and pinion	Double cylinders	Double cylinders						
Beam measurements (mm)		180 x 180									
Point to point height (cm)				Standard 170 /	Optional 180						
Point to point distance (cm)		100									
Working width adjustment	Multi-position 30 c	Multi-position 12" / 14" / 16" / 18" / 20" Multi-position 30 cm / 35 cm / 40 cm / 45 cm / 50 cm Multi-position 12" / Hydraulic Multi-position 30 cm Hydraulic / 35 cm / 40 cm / 45 cm / 50 cm									
Tilt adjustment				Mechanical	par tirant						
Automatic realignment				Standard / Opt	cional without						
Offset	In-fu	rrow	Standard in-furrow / Optional on-land	In-furrow		Standard in-furro	w / Optional on-land				
Offset adjustment				Hydra	aulic						
Vertical plumb				Screw me	chanism						
Safety			:	Shear bolt / (B) / Non-s	stop hydraulic (Y) / (Z)					
Carriage wheel			Standard : 400/70) x 20 (Ø 1 150 mm) / (Optional : 385/65 x R2	22,5 (Ø 1 070 mm)					
Depth wheel				RJR s	side						
Depth adjustment		Screw mechanism									
Knife coulter				As star	ndard						
Disc coulter				Available on	all bodies*						
Road traffic lights				Avail	able						

^{*} Please contact us according to the configurations

VOYAGER S70

SEMI-MOUNTED PLOUGH

5 to 9 bodies - Tractors: 210 to 400 hp - Working width: 1.50 to 4.50 m



Choice of two couplings

We offer two types of cross shafts to adapt our plough to the different tractor hitching categories (3, 3N, 4N, 4 and Quick Coupler). Our headstocks are designed to enable short and rapid manoeuvres. They are also equipped with wear rings at the top link and hose storage.



A large in-furrow and onland offset

The Voyager S70 calliper gauge offset enables you to work with tractor tyre spacings between 1.30 m and 1.60 m. You can make continuous adjustments. For difficult conditions, it is possible to remove the first body. With the on-land option, you can work with dual tractors up to 3.50 m wide or with track-laying tractors.



Hydraulically adjustable working width

You can adjust the working width hydraulically from 12 to 20" with inter-body clearance of 1,000 mm and from 14 to 22" with inter-body clearance of 1,140 mm. This option is easy to use in the cab. We use very durable materials for the bearings and pivot pins which are fitted with weatherproof seals.



A tried and tested rack and pinion turnover

The Voyager S70, with variable hydraulic working width, is equipped with a rack and pinion turnover as standard, exclusive to Grégoire Besson. The turnover speed is constant and smooth. We have over 20 000 turnover systems of this type in service around the world.



A well-positioned wheel

The Z-shaped frame, exclusive to Grégoire Besson, allows the wheel to be integrated into the shape of the machine. It is positioned at the rear to optimize load transfer and it does not protrude, making ploughing the edges of plots easier.



Hydraulic load transfer

The hydraulic load transfer system helps you to optimize your tractor's traction. The load is well distributed over all four wheels of the tractor. This reduces fuel consumption and reduces your operating costs per hectare.



Multi-position working width

The working width is adjustable from 12 to 20" with inter-body clearance of 1,000 mm and from 14 to 22" with inter-body clearance of 1,100 mm.

This multi-position adjustment is carried out by moving a screw and changing the angle of the support bracket. Five settings are available. This is a simple, tried and tested system which provides stability, strength and long service life. Additional equipment such as skimmers and coulters adapt to the desired width at the same time as the ploughing elements.



Adding or removing a body

You can add or remove an element on request if you are planning to buy a tractor with higher or lower power. Your plough will always be able to adapt. Please specify this when ordering so that the plough is pre-configured.



Choice of two wheels

We offer two types of wheels for this plough model. A wheel with a 1,220 mm diameter as standard and a wheel of 1,150 mm diameter as an option. The larger wheel is 460 mm wide for good bearing capacity.

The Voyager S70 is authorized to travel at 40 km/h. The authorization is validated with our two choices of wheel mounting.



Appropriate inter-body clearances

Two inter-body clearances are available on this model. As standard, the 1,000 mm inter-body clearance is suitable for 85% of situations. And for special applications with a lot of plant residue and complex field work we offer the 1,114 mm inter-body clearance.mm.



Control box

As an option, we have a hydraulic switch with 2 or 3 functions. This control box enables you to centralize several functions on the same valve. This is really useful if you do not have enough valves available on your tractor.

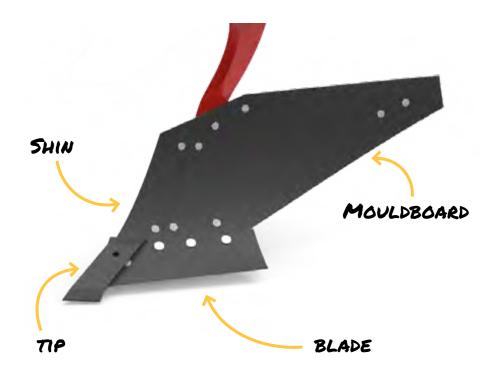
It lets you limit the number of hydraulic connections and makes it easy to use in the cab.



		_	_	VOVACED ST	O TECHNICAL	CDECIFICATION	NC .	_	
	5 L L'	6.1	1.			SPECIFICATION			1:
Number of bodies	5 bodies		dies		dies		odies	9 bo	
	5	5+1	6	6+1	7	7+1	8	8+1	1+7+1
Tractor power (Hp) Tractor power (kW)	210 / 250 157 / 186	240 <i>i</i> 179 <i>i</i>	/ 290 / 216	280 209	7 330 7 246		/ 370 / 276	360 / 268 /	
Yoke hitch type (Cat.)				Standar	1 3N / 3 / 4N / Opti	onal 3 / 4			
Type of turn over					Pinion system				
Beam measurements (mm)					180 x 180				
Point to point height (cm)				Stan	dard 170 / Optiona	al 180			
Point to point distance (cm)			Stan	ndard 100 / Optiona	114			10	0
Working width adjustment		Multi- _F	Multi-pos position 30 cm / 35 d	sition 12" / 14" / 16" cm / 40 cm / 45 cm /	/ 18" / 20" 50 cm / Optional hy	vdraulic		Multi-position 12" / 14" / 16" / 18" / 20" Multi-position 30 cm / 35 cm / 40 cm / 45 cm / 50 cm	Hydraulic
Offset				Standard	in-furrow / Option	al on-land			
Offset adjustment					Hydraulic				
Vertical plumb					Screw mechanism	ı			
Safety				Shear bolt	B) / Hydraulic auto	o-rest (Y) / (Z)			
Wheel			Standa	ard: 17.5/R24 (Ø 1 2	20 mm) / Optional:	: 400/70 x 20 (Ø 1 1	50 mm)		
Depth adjustment					Screw mechanism	1			
Knife coulter					As standard				
Disc coulter				Av	ailable on all bodie	es*			
Road traffic lights					Available				

^{*} Please contact us according to the configurations

BODY WITH BOLT-ON POINT



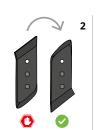
Bodies with bolt-on points can be mounted on a variety of solid, slatted and plastic mouldboards.

The plough blade with three holes can be turned four times to increase durability and efficiency.

The share slices the deepest part of the furrow at a specific angle to optimize your traction power and penetration capacity. The mouldboard shin cuts the furrow wall and guides the soil towards the mouldboard so that it can be turned.



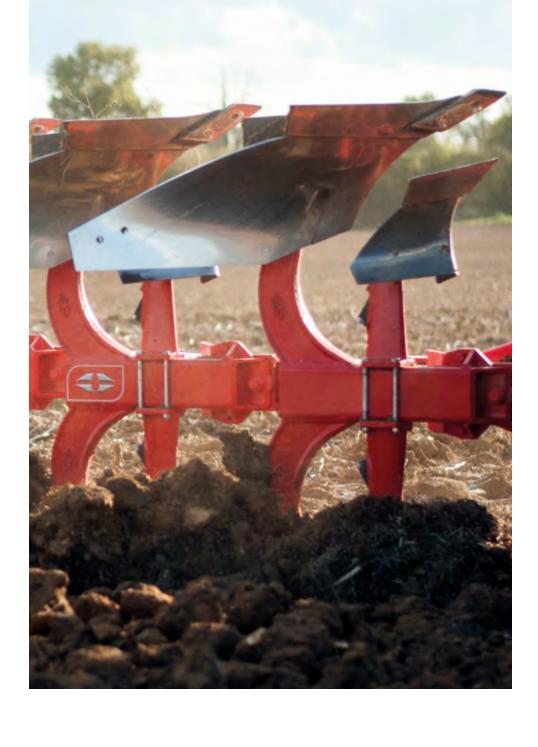




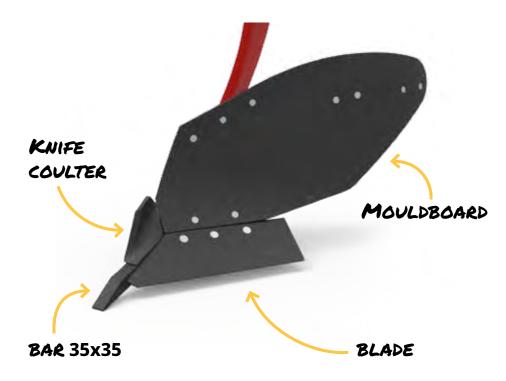








BODY WITH BAR POINT



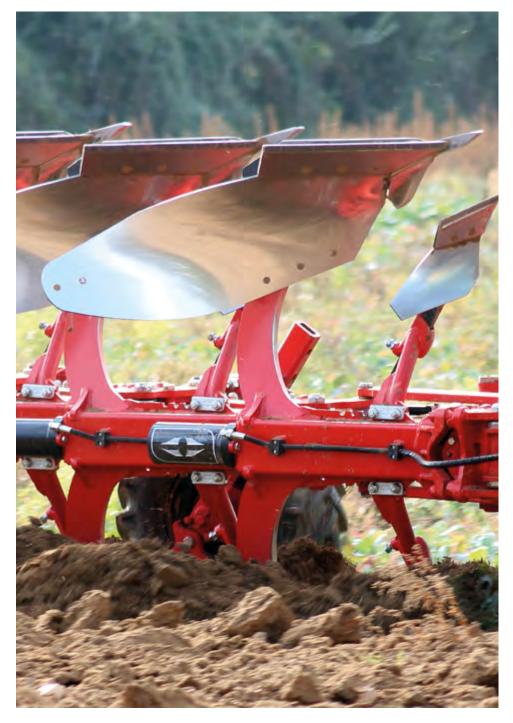
The body with bar point is composed of four wear parts. The bar, held by a single screw, is adjustable in length to increase penetration into hard soil.

When your bar wears out, it must be rotated half a turn so that the plough penetration is always optimal.

The knife coulter protects the mouldboard leading edge and provides good support for the bar.

The blade is perfectly integrated on the side of the bar, which gives a low pull body. Four versatile mouldboards are available with this economical and powerful body.



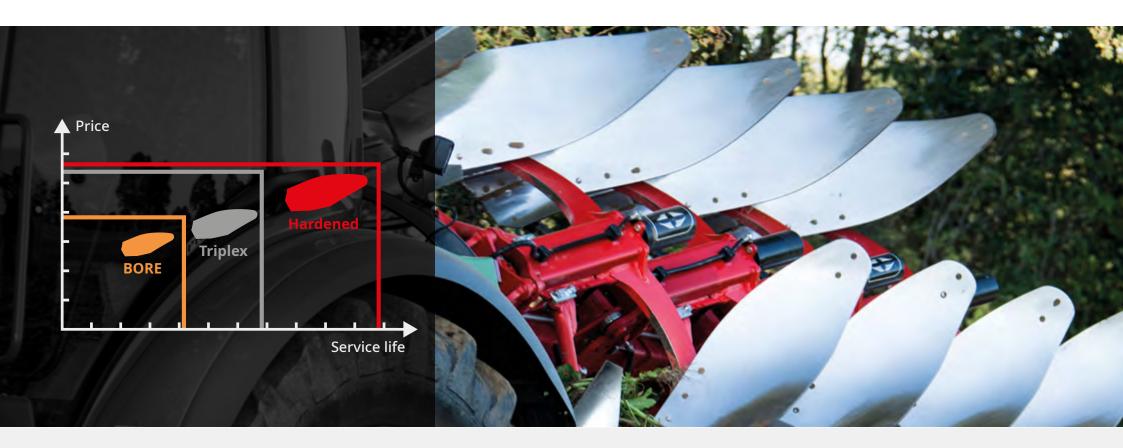


HARDENED

Grégoire Besson exclusive mouldboard technology



This is a high-end case-hardening heat treatment process. The steel has a higher carbon content over its entire surface but also at the core. This prolongs the life of the mouldboard, allowing regular wear over the entire surface. The extended carbon absorption process gives you superior hardness for better wear resistance and lowers your costs per hectare.







Wear resistance

Less friction from stone contact which results in a longer service life.



Fuel economy

Less sticking so lower ploughing power.



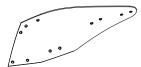
MOULDBOARDS

Helicoidal mouldboards



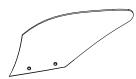
Moulded ploughing: allowing water and oxygen to enter the ground.





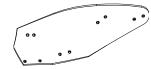
Short Helicoidal AR4H

Mouldboard for moulded ploughing from 18 to 25 cm deep in all types of soil. Suitable for cutting widths from 12 to 16" (30 to 40 cm).



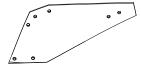
Helico-cylindrical M1

Mouldboard for ploughing 15 to 22 cm deep in chalky and sticky soils. Suitable for 12 to 16" (30 to 40 cm) cutting widths.



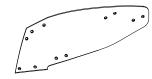
Helico-cylindrical AR5H

Mouldboard for moulded ploughing from 18 to 27 cm deep in all types of soil. Suitable for cutting widths from 14 to 18" (35 to 45 cm).



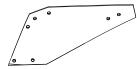
Cylindrical C14S / C14N

Mouldboard for crumbled ploughing from 20 to 30 cm deep in sandy, silty and clayey soils. Suitable for cutting widths from 12 to 16" (30 to 40 cm).



Long Helicoidal H6

Mouldboard for moulded ploughing 15 to 20 cm deep in clayey soils. Suitable for cutting widths from 16 to 20" (40 to 50 cm).



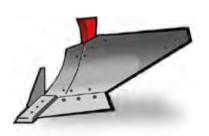
Cylindrical C16S / C16N

Mouldboard for crumbled ploughing from 20 to 30 cm deep in sandy, silty and clayey soils. Suitable for cutting widths from 14 to 20" (35 to 50 cm).



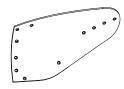


Pre-seeding tillage: the step before seedbed preparation.



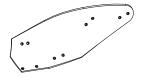
Long Helicoidal AR8HLM / 8HLN

Mouldboard for moulded ploughing from 22 to 32 cm deep in clayey and silty soils. Suitable for cutting widths from 16 to 22" (40 to 55 cm).



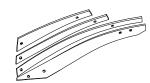
Hélicoïdal E7

This mouldboard is designed for moulded and very deep ploughing from 28 to 38 cm deep for all types of soil. Suitable for cutting widths from 14 to 18" (35 to 45 cm).



Long Helicoidal H8 Plastic

Mouldboard for moulded ploughing clayey, stone-free soils which are very sticky and sandy.



Slatted CV7 10 / CV9 12

Helicoidal mouldboard for ploughing 20 to 30 cm deep in heavy soils. Suitable for cutting widths from 14 à 22" (35 to 55 cm). The blades can be replaced individually for greater savings.

MOULDBOARD COMPATIBILITY

Mouldboards	Body with bolt-on point	Body with bar point
AR4H		
AR5H		•
Н6		
AR8HLM	•	
8HLN		•
H8 pl.	•	
M1		
C14S	•	
C14N		lacksquare
C16S	•	
C16N		•
E7	Ø	
CV7 10	②	
CV9 12		

On our hydraulic auto-reset safety devices, there is a double articulation system which gives a large under point clearance allowing



Safety system C 🕝 Light shear bolt safety system

foreign bodies to pass through efficiently and

safely.



Safety system C is designed with a shear bolt with a peak force up to 2,900 Kg. It can be reinforced with a component to hold the leg in place.



Safety system B B

Shear bolt safety system for straight legs with large clearance



Straight leg

Safety system B is designed with two shear bolts with a peak force up to 3,900 Kg



Offset leg

Safety system B is designed with one shear bolt with a peak force up to 3,900 Kg







Straight leg



Offset leg

Safety systems Ω and Ω Hydraulic auto-reset safety devices



Straight leg



The Y and Z safety systems are mounted on four ball joints, which allows vertical and lateral travel without constraints.



The Y safety system has a ground clearance of 85 cm and a pull capacity ranging from 600 to 2,300 Kg.





The Z safety has a ground clearance of 70 cm and a pull capacity ranging from 700 to 2,800 Kg.

DEPTH AND TRANSPORT WHEELS



Wheel RJL / PS

Wheels available:

- 200 / 60 x 14.5	Ø 610
- 10.0 / 75 x 12	Ø 680
- 10.0 / 80 x 12	Ø 710



Wheel RTT 10

Wheels available:

- 13.0 / 55 x 16 Ø 770 - 11.5 / 80 x 15.3 Ø 845



Wheel RJR

Wheels available:

Ø 610
Ø 680
Ø 690
Ø 710



Wheel RTHD

Wheel available:

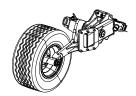
- 11.5 / 80 x 15.3



Wheel RJRHD

Wheels available:

- 320 / 60 x 12	Ø 690
- 31 / 15.5 x 15	Ø 760
- 13.0 / 55 x 16	Ø 770



Wheel RTRH

Wheels available:

- 10.0 / 75 x 12	Ø 680
- 320 / 60 x 12	Ø 690
- 13.0 / 55 x 16	Ø 770
- 11.5 / 80 x 15.3	Ø 845



Wheel RTTA 92

Wheels available:

- 200 / 60 x 14.5	Ø 610
- 10.0 / 75 x 12	Ø 680



Wheel RCRH

Wheels available:

- 10.0 / 75 x 1	2	Ø 680
- 320 / 60 x 1	2	Ø 690
- 13.0 / 55 x 1	6	Ø 770
- 11.5 / 80 x 1	5.3	Ø 845



Wheel RTTL 92

Wheels available:

- 200 / 60 x 14.5	Ø 610
- 10.0 / 75 x 12	Ø 680



Wheel RLBM

Wheel available:

- 320 / 60 x 12 Ø 690



Wheel RT 10

Wheels available:

- 13 / 55 x 16	Ø 710
- 11.5 / 80 x 15.3	Ø 845



Wheel RLBH

Wheel available:

- 320 / 60 x 12 Ø 690

Wheels	Adjustment type	Position	Options	Function
RJL / PS	Mechanical	Side	Transport kit / Wheel bracket / Scraper	Depth
RJR	Mechanical	Rear	Transport kit / Scraper	Depth
RJRHD	Mechanical	Rear	Flange	Depth
RTTA 92	Mechanical	Rear	Wheel bracket / Scraper	Depth / Transport
RTTL 92	Mechanical	Side	Wheel bracket / Scraper	Depth / Transport
RT 10	Mechanical	Side	Wheel bracket / Scraper / Flange	Depth
RTT 10	Mechanical	Side	Wheel bracket / Scraper / Flange	Depth / Transport
RTHD	Mechanical	Side	Scraper / Flange	Depth
RTRH	Hydraulic	Side	Scraper / Flange	Depth
RCRH	Hydraulic	Side	Scraper / Flange	Depth / Transport
RLBM	Mechanical	Side	Hydraulic or mechanical anti-tilt lock / Flange	Depth / Transport
RLBH	Hydraulic	Side	Hydraulic or mechanical anti-tilt lock / Flange	Depth / Transport

Ø 845



Transport kit

For RJR and RJL wheels.



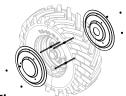
Scraper

Maintains a constant wheel diameter.



Wheel bracket

Provides good wheel positioning for depth control.



Flange

Limits soil sticking to the wheel rims.

SKIMMERS AND TRASHBOARD



Mixed skimmer

Its share and short mouldboard make it very versatile. It can be used in 80% of situations.



Plastic Mixed Skimmer

The plastic mouldboard enables the surface to be scalped, even with very sticky soils.



Universal Skimmer

Its wider share and longer mouldboard enable this combination to handle larger volumes of plants than the mixed skimmer.



Maize Skimmer

The high mouldboard guarantees a smooth passage through tall plants such as corn, sunflower, etc.



Trashboard

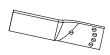
Used mainly in winter ploughing, it positions the residues of large plants vertically to improve water infiltration.

SUPPLEMENTARY EQUIPMENT



Knife coulter

It cuts a strip of earth to stop the furrow wall attaching to the mouldboard and helps prevent it from crumbling.



Mouldboard extension

The mouldboard extension positions the earth for precise finishing and enables work with wider tractor tyres. It limits wear at the end of the mouldboard.



Sub-soil Spike

It loosens the soil to a depth of 15 cm under the plough body. It promotes water infiltration, gas exchange and root exploration.



Furrow opener

The furrow opener enlarges the furrow base so that track markers equipped with wide tyres have better grip.



Spring-mounted Disc Coulter

Suitable for stony soils. It cuts plants and soil 10 cm in front of the body, creating a clean furrow base and wall that provides better tractor grip.



Bolted Disc Coulter

Suitable for non-stony soils. It cuts plants and soil 10 cm in front of the body, creating a clean furrow base and wall that provides better tractor grip.

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).



Ploughing

- Reversible mounted plough
- Premium reversible mounted plough
- Semi-mounted ploughs



Stubble ploughing

- Stubble tine harrows
- Offset disc harrows
- Disc harrows



Soil restructuring

- Soil looseners
- Clearers
- One pass finishers



Soil preparation

- Soil consolidation
- Seed bed preperation equipment



ANDPAK

The combined solution for high work rate and low cost per hectare

Grégoire Besson presents an alternative approach to ploughing. The combination of a plough with a roller on a cultivation route helps to protect the soil from erosion. The soil, turned over and then consolidated, keeps the moisture for a uniform and rapid germination of the future seedling. For light soils, this equipment prevents wind erosion.

The system is easily manoeuvrable in headlands and is very compact on the road. This technology enables a complete consolidation of the entire ploughed area with each pass. The working width of the Andpak changes with the working width of the plough.

In addition, Andpak is compatible with both hydraulic and mechanical auto-reset safety devices for all operating conditions.





ROLLER ARM

The combined solution for an offset roller

Two roller arms are available to allow you to pull a roller, to protect the soil from erosion. The soil, turned over and then consolidated, keeps the moisture for a uniform and rapid germination of the future seedling. For light soils, this equipment prevents wind erosion.

In heavy conditions, it allows the soil to be reconsolidated, but also to be crumbled which prepares the seedbed for the future crop. This combined passage increases your cultivation productivity.

In addition, these arms are compatible with a wide range of rollers.







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 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.

You can find references, prices and weights at: 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.

Contact us!

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2 rue Victor Grégoire 49230 Montfaucon Montigné France

GB Group POLSKA & BALTICS

Tél. +48 61 297 75 30

Kowanówko ul. Obornicka 1A 64-600 Oborniki Polska

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GB Group RUSSIA

Tél. +7 472 240-22-10

308006, г.Белгород ул. Корочанская 132 A, Russia

GB Group CHINA

Tél. +86 1065 08 06 40

法国格力格尔-贝松公司 北京代表处静里中街3号长信大厦220室 China

Our equipment range

Reversible mounted ploughs



Permium reversible mounted ploughs



Semi-mounted ploughs



Soil looseners



Clearing equipment



One pass finishers



Light stubble tine harrows

Stubble tine harrows



Dekoflex 60



Crossland 50



Crossland 60



Crossland T60



Crossland T70



Crossland T80

Disc harrows



Normandie 50



Normandie 60



Normandie T60





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



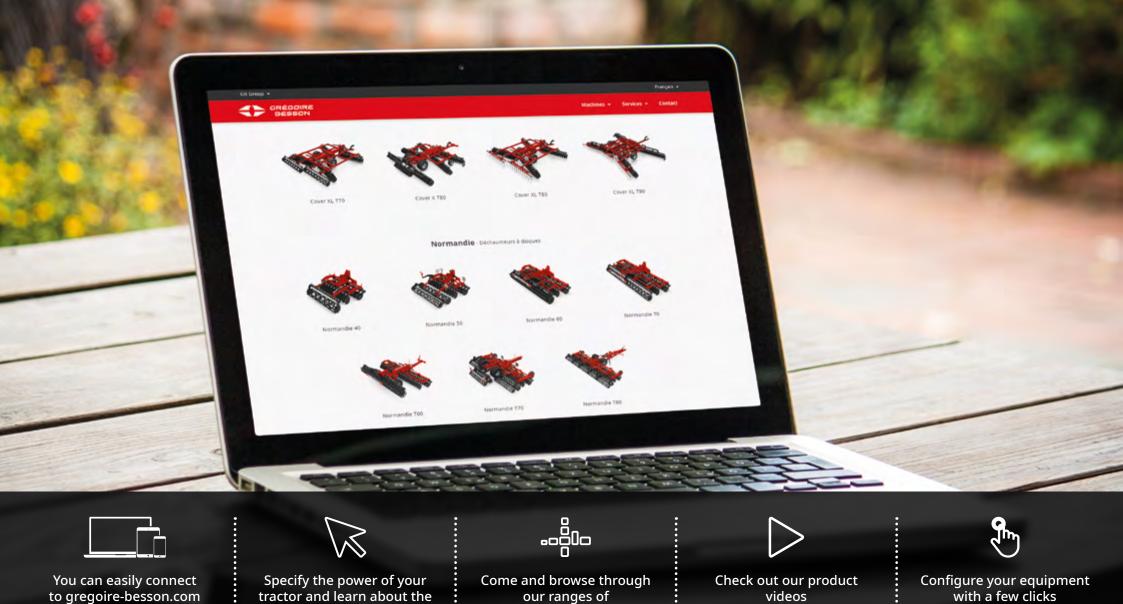
Tetra 50













Ploughs, Disc and Tine

equipment



products that are right for

you

from your smartphone, tablet and computer









and ask for a quote

Configure your soil preparation equipment online!

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



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



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



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

START THE CONFIGURATION



YOUR CONFIGURATION IS FINISHED!

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



CHISELS • CROSSLAND 50	DEEP STUBBLE COVER V T50		•	ORS ACITY ORS ORS	• • •
	CROSSLAND 60 CROSSLAND T60	CROSSLAND 60 CROSSLAND T60 COVER V T60 COVER X T60 COVER X T 60	CROSSLAND 60 CROSSLAND T60 COVER V T60 COVER X T60 COVER XL T60 OCCITAN 60 OCCITAN T60	CROSSLAND 60 CROSSLAND T60 COVER V T60 COVER X T60 COVER XL T60 OCCITAN 60 OCCITAN 160 NORMANDIE 60 NORMANDIE 160	CROSSLAND 60 CROSSLAND T60 COVER V T60 COVER X T60 COVER XL T60 OCCITAN 60 OCCITAN T60 NORMANDIE 60 NORMANDIE 160
•	CROSSLAND T70	CROSSLAND T70 COVER V T70 COVER X T70 COVER XL T70	CROSSLAND T70 COVER V T70 COVER X T70 COVER XL T70	CROSSLAND T70 COVER V T70 COVER X T70 COVER XL T70 NORMANDIE T70	CROSSLAND T70 COVER V T70 COVER X T70 COVER XL T70 NORMAND IE T70 TETRA 70
•	CROSSLAND T80	CROSSLAND T80 COVER X T80 COVER XLT80	CROSSLAND T80 COVER X T80 COVER XL T80	CROSSLAND T80 COVER X T80 COVER XL T80 NORMANDIE T80	CROSSLAND T80 COVER X T80 COVER XL T80 NORMANDIE T80
•	•	COVER XL T90	COVER XL T90	COVER XL T90	COVER XL T90

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