

VOYAGER Semi-mounted plough

gregoire-besson.com









SUMMARY | Semi-mounted plough

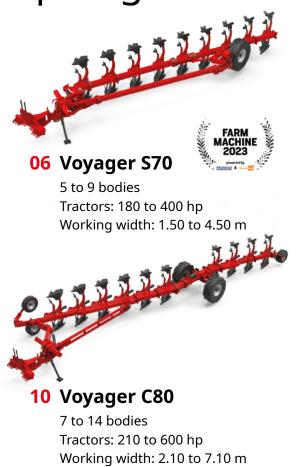


04 Voyager S60

5 to 7 bodies Tractors: 125 to 250 hp Working width: 1.50 to 3.50 m



6 to 10 bodies Tractors: 125 to 260 hp Working width: 1.80 to 5.00 m



Accessories/options

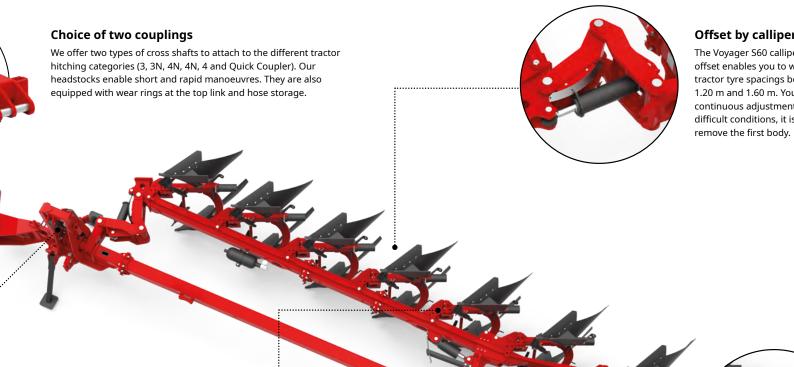
Body with bolt-on point / Body with bar point	_12
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Technical specifications

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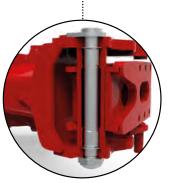




GRÉGOIRE BESSON

Simple and efficient turn over

The double cylinder turn over provides versatility during the manoeuvring phases. It is possible to reverse the turning process at any time without any jolting. This is exclusive to Grégoire Besson.



Hydraulically adjustable working width

You can adjust the working width hydraulically from 12 to 20", which makes it easy to use. We use very durable materials for the bearings and pivot pins which are fitted with weatherproof seals.

Offset by calliper gauge

The Voyager S60 calliper gauge offset enables you to work with tractor tyre spacings between 1.20 m and 1.60 m. You can make continuous adjustments. For difficult conditions, it is possible to



A well-positioned wheel

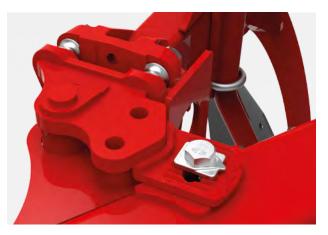
We integrate the wheel into the shape of the machine. It is positioned at the rear to optimize load transfer and it does not protrude, making ploughing the edges of plots easier.

SEMI-MOUNTED PLOUGH VOYAGER S60



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.



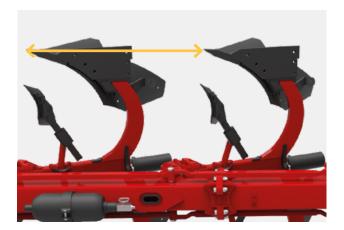
Multi-position working width

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.

GRÉG

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VOYAGER S70 SEMI-MOUNTED PLOUGH



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

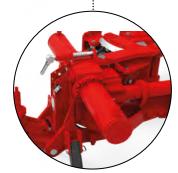
The Voyager S70 calliper gauge offset enables you to work with tractor tyre spacings between 1.30 m and 1.60 m. You can make continuous adjustments. For difficult conditions, it is possible to remove the first body. With the on-land option, you can work with dual tractors up to 3.50 m wide or with track-laying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

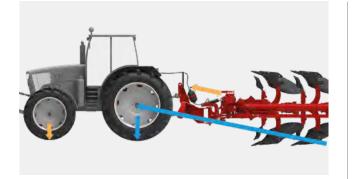
The Voyager S70, with variable hydraulic working width, is equipped with a rack and pinion turnover as standard, exclusive to Grégoire Besson. The turnover speed is constant and smooth. We have over 20 000 turnover systems of this type in service around the world.



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.

SEMI-MOUNTED PLOUGH VOYAGER S70



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.



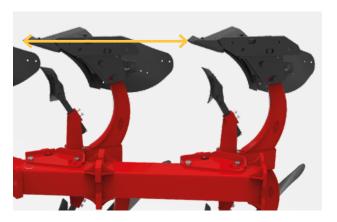
Adding or removing a body

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.



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.

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VOYAGER C60 SEMI-MOUNTED PLOUGH

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

Rear section mechanical articulation

1

Our ploughs, with multi-position working width adjustment, are equipped with a mechanical bearings articulation system to follow the ground. This simple system allows you to have a plough that always works at the same depth along its entire length even in sloping fields.

Working width: multi-positions

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.

over

The double-cylinder turn over gives you maximum user flexibility

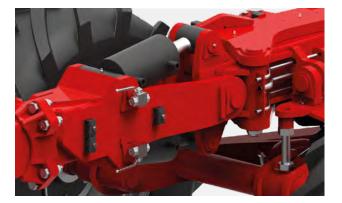
during the manoeuvring phases. It is possible to reverse the turning process at any time without any jolting. This is exclusive to Grégoire Besson.



Offset by calliper gauge

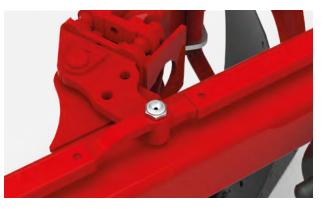
The Voyager C60 in-furrow calliper gauge offset enables you to work with tractor tyre spacings between 1.20 m and 1.60 m. You can make continuous adjustments. For difficult conditions, it is possible to remove the first body.

SEMI-MOUNTED PLOUGH VOYAGER C60



Rear section hydraulic articulation on hydraulically adjustable working width 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.



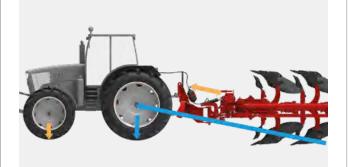
On-land offset on hydraulically adjustable working width models

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 hydraulically adjustable working width 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 hydraulically adjustable working width models

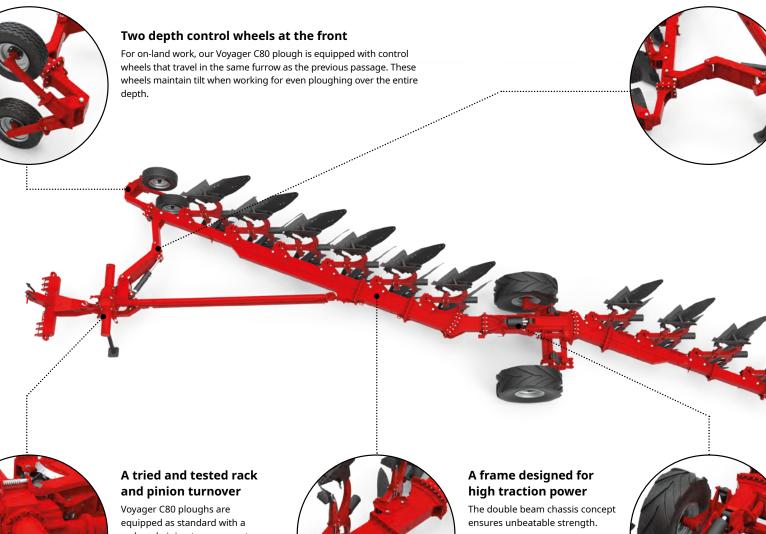
The hydraulic load transfer system helps you to optimize your tractor's traction. The load is well distributed over all four wheels of the tractor. This reduces fuel consumption and reduces your operating costs per hectare.

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.

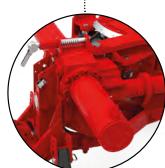
VOYAGER C80 CHARRUE SEMI-PORTÉE

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A large in-furrow and onland offset

The Voyager C80's in-furrow gauge offset allows you to work with tractors with a tyre spacing 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 wheel tractors up to 4.70 m wide or with track-laying tractors.



rack and pinion turnover system, 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.



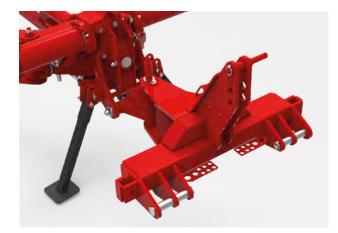
These ploughs are designed for the world's most powerful tractors. They can be modified on request according to your needs with intermediate extensions or with a fixed frame.



Rear section hydraulic articulation

As an option, our plough can be 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 manœuvring.

SEMI-MOUNTED PLOUGH VOYAGER C80



Choice of two hitches

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.



Multi-position working width

This plough model has a mechanical working width adjustment. This adjustment is carried out by changing the angle of each ploughing element.



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.



A choice of three tyres

We offer three types of wheels for this plough model. A wheel with a Ø 1 150 mm agricultural profile as standard and then a Ø 1 070 mm wheel with a ribbed profile or an optional Ø 1 220 mm wheel. The larger wheel is 460 mm wide for good bearing capacity.

The Voyager C80 is authorized to travel at 40 km/h. The authorization is validated with our three choices of wheel mounting.



Appropriate inter-body clearances

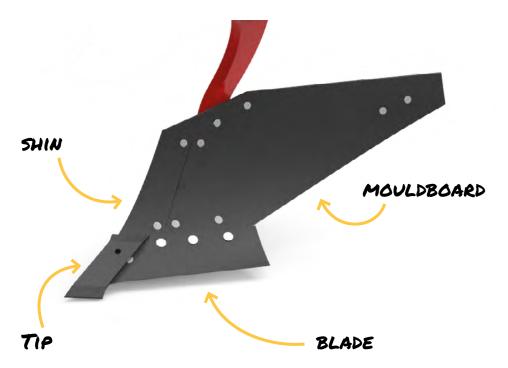
Two inter-body clearances are available on this model. As standard, the 1,000 mm inter-body clearance is suitable for 85% of situations. And for special applications with a lot of plant residue and complex field work we offer the 1 114 mm inter-body clearance.



Integrated rollers

It is possible to mount Andpak rollers onto Voyager C80 ploughs. These rollers protect your soil from erosion, control compaction and keep moisture in your soil. The system is easy to adjust with only two settings. The unit is compact and easy to handle. Rolling while ploughing reduces your depreciation costs.

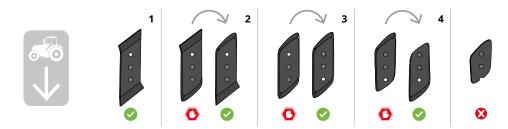
BODY WITH BOLT-ON POINT



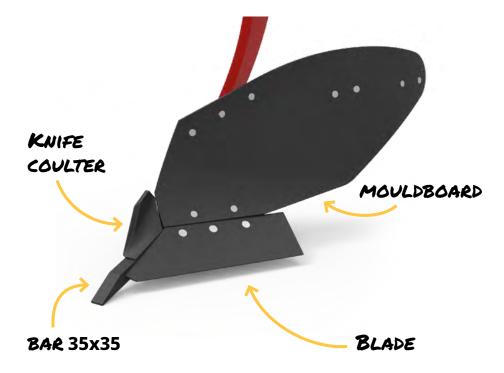
Bodies with bolt-on points can be mounted on a variety of solid, slatted and plastic mouldboards.

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

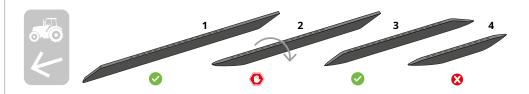


The body with bar point is composed of four wear parts. The bar, held by a single screw, is adjustable in length to increase penetration into hard soil.

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.

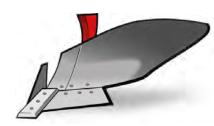
The blade is perfectly integrated on the side of the bar, which gives a low pull body. Four versatile mouldboards are available with this economical and powerful body.



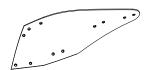
MOULDBOARD

Helicoidal mouldboards





Pre-seeding tillage: the step before seedbed preparation.



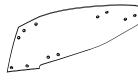
Short Helicoidal AR4H

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).



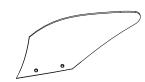
Helico-cylindrical AR5H

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).



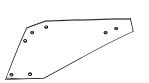
Long Helicoidal H6

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



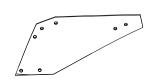
Helico-cylindrical M1

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



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).



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).

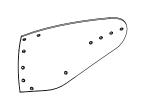
Pre-seeding tillage:

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).

Cylindrical mouldboards



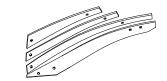
Hélicoïdal E7

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).



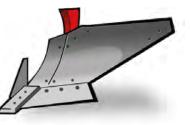
Long Helicoidal H8 Plastic

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



Slatted CV7 10

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.



Body Body Mouldboard with bolt-on with bar point point AR4H AR5H H6 AR8HLM 8HLN H8 pl. M1 C14S **C14N** C16S C16N E7 CV7 10

MOULDBOARD COMPATIBILITY

SKIMMERS & 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.

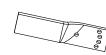
SUPPLEMENTARY EQUIPMENT



Knife coulter

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

14



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.



Coutre Circulaire Ressort

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.

ANDPAK & TRANSPAK

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.





VOYAGER S60 SEMI-MOUNTED PLOUGH

	TECHNICAL SPECIFICATIONS VOYAGER S60									
Number of bodies	5 bodies	6 bo	7 bo	dies						
	2+3	2+1+3	3+3	3+1+3	4+3					
Tractor power (Ch) Tractor power (kW)	125 / 160 92 / 118	155 / 190 185 / 250 114 / 140 136 / 184								
Yoke hitch type (Cat.)		Standard 3N / 3 / 4N / Option 3 / 4								
Type of turnover			Double cylinders							
Beam measurements (mm)			160 x 160							
Point to point height (cm)			Standard 170 / Option 180							
Point to point distance (cm)			100							
Working width adjustment		Multi-position 12" / 14" / 16" / 18" / 20"/ Option: hydraulic Multi-position 30 cm / 35 cm / 40 cm / 45 cm / 50 cm / Option: hydraulic								
Offset		In-furrow								
Offset adjustment		Hydraulic								
Vertical plumb		Screw mechanism								
Safety		Во	ulon (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							

SEMI-MOUNTED PLOUGH VOYAGER S70

	TECHNICAL SPECIFICATIONS VOYAGER S70										
Number of bodies	5 bodies	6 bo	dies	7 bo	dies	8 bo	dies	9 bo	9 bodies		
Number of bodies	5	5+1	6	6+1	7	7+1	8	8+1	1+7+1		
Tractor power (Ch) Tractor power (kW)	180 / 250 157 / 186							360 / 400 268 / 298			
Yoke hitch type (Cat.)	Standard 3N / 3 / 4N / Option 3 / 4										
Type of turnover		Rack and pinion									
Beam measurements (mm)					180 x 180						
Point to point height (cm)				Sta	ndard 170 / Option	180		_			
Point to point distance (cm)			Sta	ndard 100 / Option	114			10	00		
Working width adjustment	Multi-position 12" / 14" / 16" / 18" / 20" Multi-position 30 cm / 35 cm / 40 cm / 45 cm / 50 cm / Option: hydraulic							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						
Safety				Shear bolt	B) / Hydraulic auto	-rest (Y) / (Z)					
Wheel			Stand	ard : 17,5/R24 (Ø 1	220 mm) / Option:	400/70 x 20 (Ø 1 15	60 mm)				
Depth adjustment		Screw mechanism									
Knife coulter		As standard									
Disc coulter				A	ailable on all bodie	es*					
Road traffic lights	Available										

* Please contact us according to the configurations

VOYAGER C60 SEMI-MOUNTED PLOUGH

		VOYAGER C60	C60 VOYAGER C60 PREMIUM					
Number of bodies	6 bodies	7 bodies	8 bodies	7 bodies	8 bo	dies	9 bodies	10 bodies
Number of bodies	3/3	3+1/3	4+1/3	(4/2+1)	4/2+1+1	5/2+1	5/2+1+1	6/2+1+1
Tractor power (Ch) Tractor power (kW)	125 / 180 108 / 134		/ 200 / 149	165 / 200 123 / 149	185 138	/ 220 / 164	205 / 240 153 / 179	225 / 260 168 / 194
Type d'attelage (Cat.)				Standard 3N / 3 / 4	4N / Option 3 / 4			
Type of turnover		Double cylinders				Rack and pinion		
Beam measurements (mm)				180 x	180			
Point to point height (cm)				Standard 170	Option 180			
Point to point distance (cm)				100	0			
Working width adjustment		1 4" / 16" / 18" / 20" m / 35 cm / 40 cm / ′ 50 cm	Multi-position 12" / 14" / 16" / 18" / 20" Multi-position 30 cm / 35 cm / 40 cm / 45 cm / 50 cm			Hydraulic		
Tilt adjustment				Mecha	nical			
Réalignement automatique				Standard / O	ption sans			
Type of ploughing				In-fur	row			
Front furrow adjustment				Hydra	ulic			
Inclination				Screw med	chanism			
Safety system				Shear bolt (B) / Hydrau	ulic auto-rest (Y) / (Z)			
Carriage wheels			Standard : 400/7	'0 x 20 (Ø 1 150 mm) /	Option: 385/65 x R22	2,5 (Ø 1 070 mm)		
Depth wheel				RJR si	ide			
Depth adjustment				Screw med	chanism			
Knife coulter				As stan	dard			
Disc coulter				Available on	all bodies*			
Road traffic lights				Availa	ble			

* Nous consulter en fonction des configurations

SEMI-MOUNTED PLOUGH VOYAGER C80

	TECHNICAL SPECIFICATIONS VOYAGER C80									
Number of bodies	7 bodies	8 bodies	9 bodies	10 bodies	11 bodies	12 bodies	13 bodies	14 bodies		
Number of bodies	4/3	4+1/3 5/3 4/3+1	4+1/3+1 5/3+1	5+1/3+1 6/3+1	6+1/3+1 7/3+1	7+1/3+1 8/3+1	7+1/4+1 8/4+1	8+1/4+1		
Tractor power (Ch) <i>Tractor power (kW)</i>	210 / 250 154 / 184	240 / 300 176 / 221	270 / 350 198 / 257	300 / 400 221 / 294	330 / 450 243 / 331	360 / 500 265 / 368	390 / 550 287 / 404	420 / 600 309 / 441		
Yoke hitch type (Cat.)				Standard 3N - 3 -	4N / Option 3 - 4					
Type of turnover				Rack an	d pinion					
Beam measurements (mm)				180 x 180 ·	⊦ 260 x 180					
Point to point height (cm)				Standard 170	/ Option 180					
Point to point distance (cm)				Standard 100	/ Option 114					
Working width adjustment		Multi-position 12" / 14" / 16" / 18" / 20" Multi-position 30 cm / 35 cm / 40 cm / 45 cm / 50 cm								
Offset		Standard in-furrow / Optional on-land								
Offset adjustment		Hydraulic								
Vertical plumb		Screw mechanism								
Safety				Shear bolt (B) / Hydr	aulic auto-rest (Y) / (Z)					
Wheel		Standard: 400/70x20 (Ø 1 150 mm) / Option: 385/65R22.5 (Ø 1 070 mm) / 17.5/R24 (Ø 1 220 mm)								
Wheel adjustment	Screw mechanism									
Knife coulter	As standard									
Disc coulter	Available on all bodies*									
Road traffic lights		Available								

VOYAGER | PLOUGHING



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Dealer stamp





