



Discordon



Optimize your time ...

**4 in 1 stubble
cultivator**

For tractors from
200 to 600 HP

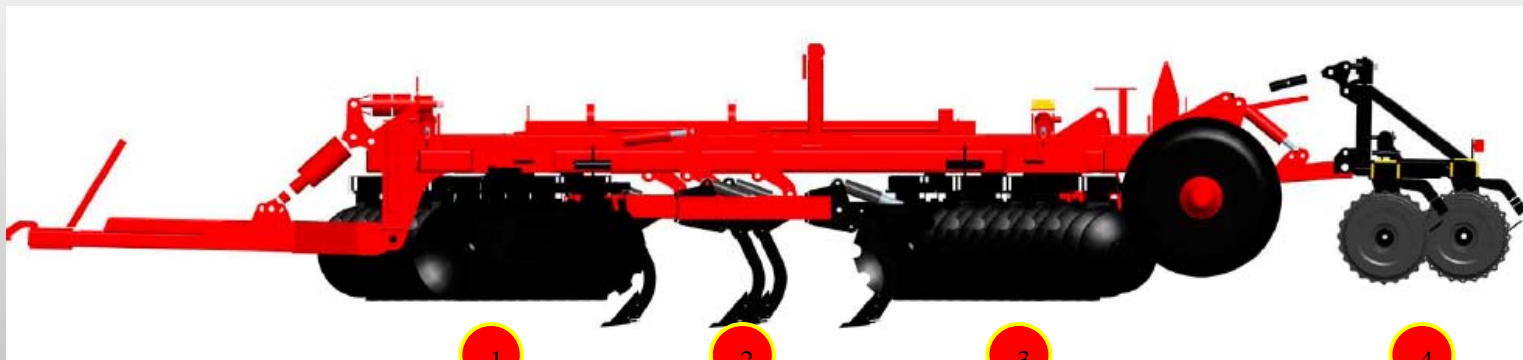




Discordon

Discordon concept

The Discordon combines discs, tines, discs and roller to make a seedbed in one pass. The principle of the Discordon is simple: By combining these 4 actions in one pass, we reduce the number of passes across the field, which also reduce the costs of stubble clearing, and seedbed preparation, efficiency saving labour time and fuel.



1 Attacking front disc gangs



The front disc gangs chop, cut and crush residues, and mix them into the soil. This operation is required to reduce the risk of filling the rows of tines with residues.

As the front disc gangs are overlapping each other, you have the knowledge that all the ground is moved.

2 Tines for sub-surface cultivating

2 rows of tines allow a working depth between 10 to 25 cm below the worked depth of the discs, to leave an ideal soil condition. This allows surplus water to drain through and allows root development for the following crop.

All the tines are fitted on a hydraulic parallelogram controlled from the tractor cab, aided by a marker. Depending of the soil conditions the driver can easily and quickly change the working depth. 2 safety protections are available.



3 Rear disc gangs for levelling

Rear disc gangs are adjustable to give efficient working angle for soil inversion, cutting, mixing and burying of weeds and chitted seeds, leaving a level finish.



As the front, the rear disc gangs are overlapping each other. It allows perfect ease of adjustment for your implement. Mechanical turnbuckles can be replaced by hydraulic rams (option), to adjust the working angle of the disc gangs.



4 Emopak roller for finishing



The rear roller contributes to the levelling and packing of the soil so as to limit the evaporation, maintain the necessary moisture for seed germination, and produce the correct conditions for crop residue decomposition.





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Heavy duty chassis

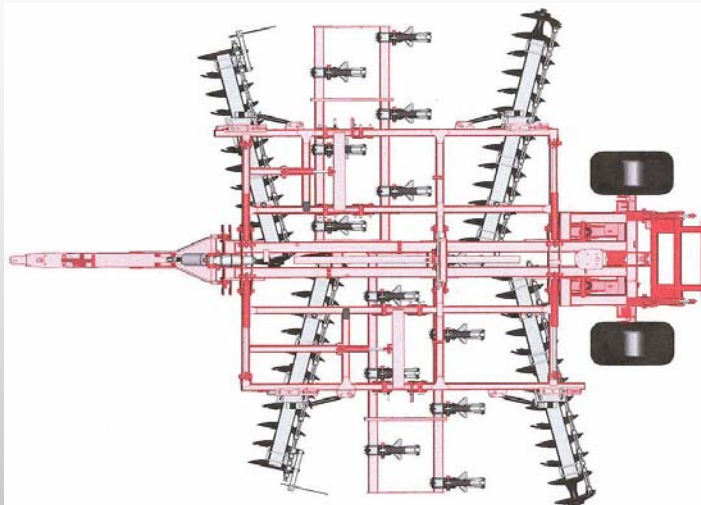
The main chassis is manufactured from 250x150x10 mm box section, to allow an optimum rigidity of the implement. Lateral chassis are designed to allow perfect positioning of the disc gangs. The fixing points of the disc gangs have been calculated to ensure a minimum mechanical stress for the best level of reliability.

Discordon ranges have been designed with the front and rear disc gangs overlapping each other, so all the soil is totally moved across the working width of the implement.

The spacing between the discs is normally 270 mm, but under request it can be narrower, please ask your Grégoire-Besson dealer.

The position of the tines are adjustable to ensure an optimum quality of work. Having them mounted in 2 rows means the trash easily flows through.

HD hydraulic three point linkage, makes it possible to equip your Discordon with different types of rollers, even some other implements.



Discordon is available in 2 ranges



Standard models (DXRV range) are available up to 7.20 m. This range is equipped with square shafts and cast steel bearings of 40x40 mm.



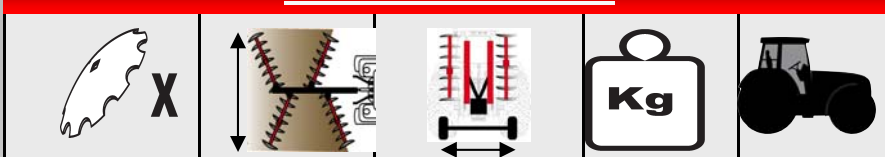
HD models (DXRV-L) are available in different working widths from 4,20 up to 6,70 m. Designed to work in the most extreme conditions, they are equipped with square shafts and iron bearings of 50x50 mm. To ensure a good penetration in hard soils the average weight per disc is 200 kg.

Rear roller

Type	Diameter	Width
Crumbler roller	Ø 600 / 900 mm	3,00 - 7,60 m *
EMOPAK flat profile	Ø 600 mm	
EMOPAK Profile « V »	Ø 600 mm	
Farmflex	Ø 740 mm	

* The rear roller has to be 40 cm wider than the machine (recommandation)

Technical features



DXRV ∅ 40				
32	4,20 m	3,00 m	6690 kg*	250 HP*
36	4,70 m		6940 kg*	280 HP*
44	5,70 m		7390 kg*	340 HP*
48	6,20 m		8340 kg*	380 HP*
52	6,70 m		8590 kg*	450 HP*
56	7,20 m		10500 kg*	550 HP*
DXRV-L ∅ 50				
32	4,20 m	3,00 m	6910 kg*	250 HP*
36	4,70 m		7290 kg*	280 HP*
44	5,70 m		8210 kg*	340 HP*
48	6,20 m		8690 kg*	380 HP*

* without rear roller

Various hitches

Many hitches are available on all the Discordon range:

The most common is the ball ring hitch in cat III or IV. As it is important to offer the best to our customers, Grégoire-Besson has developed new types of hitches :

Reinforced ball ring hitch, which will be fitted for the tractors equipped with a draw bar «Caterpillar type ». Three different diameters are available.



Hitch on tractor arms CAT II, III & IV is linked to a pivot, which allows a wide steering lock, for better manoeuvrability. Such hitch linked to the hydraulic compensation cylinder ensures an optimum transfer of weight to the tractor, to increase the traction.



What makes the difference ?

Disc gangs dedicated for extrem conditions



Bearing of exceptional reliability

The cast bearings are mounted with 2 conical bearings, protected by 2 seals on both sides. The seals are designed to let the grease out in case of grease excess. To obtain a perfect protection, Grégoire-Besson has added on the 2 extremities of this bearing a braid, which will keep away all the dust and various elements which could damage the bearing.

With this "triple" protection, the Grégoire-Besson bearings are able to suit the most extreme conditions, and are offering a reliability never equalled.

Shaft : Guarantee quality

The shafts are designed out of special steel (Mangano-siliceous) which has exceptional mechanical qualities, in particular the capacity to absorb the shocks and a great resistance to deforming.

Very close attention is paid to the manufacture of the disc gangs: the shafts are machined and threaded at both ends guaranteeing an optimum tightening of the discs and then an exceptional reliability in time.

A broad choice of discs

The models of the range XL & XXL are all equipped with standard discs of diameter 660 & thickness 6 mm.

To suit all the conditions, various profiles and sizes of discs are available in option.

Diameter	Thickness
610 mm	6 mm
660 mm	7 mm
660 mm	8 mm
710 mm	7 mm

Maxi'Control system



The drawbar is equipped with a hydraulic cylinder (1) which will be used to increase the pressure on the tractor (hitch on tractor arms) to reduce the draft. This cylinder is linked to a rubber shock absorber, to ensure a regular working depth, completed by a high level of comfort.

At work, the cylinder comes in to contact with a mechanical depth stop. This simple solution gives you the guarantee to work all the time at the same working depth.

The working depth of the Discordon, is controlled by the rear roller, with full weight transfer. It is thus possible to set the working depth from the tractor cab, which can be easily checked by a marker.

Grégoire-Besson makes your life easier

Because time is money, a standard Discordon offers hydraulic adjustment of the working depth of the tines. From the tractor cab, the driver has the possibility at any time to change the depth.



To go on in to transport, the Discordon is equipped with an automatic locking/unlocking system. Again, no time is lost to pass from one field to the other, in a total secured environment.

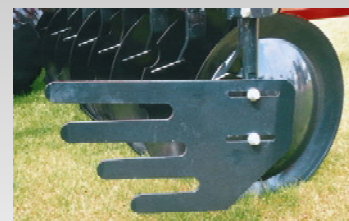
Accessories



Automatic central greasing



Anti-projection discs



Deflectors



Grégoire-Besson
 49230 Montfaucon-Montigné, France
 Tel : (+33) 2 41 64 72 67
 Fax : (+33) 2 41 64 67 73
 Mail: Contactfr@gregoirebesson.fr
 Web: www.gregoire-besson.com

Authorized dealer

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