



Préci'X & Préci'Pak



Quality stubble-ploughing works

**Disc Harrows in
« X »**

**For tractors from:
110 - 180 HP**



Privilaging the versatility

Préci' X is a tool for stubble-ploughing work able to offer very precise working depth control (from 3 to 15 cm). Using discs with specific profile guaranteeing a very good penetration even in dry conditions.

Its design, makes possible to control the working depth either with the rear roller or the central carriage or with both. This versatility makes it possible to use the Préci'X in many various conditions.

The cast solid frame with double beam ensures a homogeneous distribution of the weight what confers on the Préci'X a great stability at work for a better quality work.

Thanks to all these qualities, Préci' X carries out a great mulching quality work whatever, the working depth.



Central carriage



The design of the Préci'X with central carriage makes it possible to have a compact tool and then a good maneuverability in the fields. With a system of vertical folding this maneuverability is preserved on road with a transport width of 2,50 m.

The low pressure tyres (400/60/15) ensures a very good lift of the frame, especially when the central carriage is used for the control of the working depth.

An axle of big square section (70 mm) guarantee a good rigidity of the wheel axle and then better reliability in time.

Easy to adjust



The adjustment of the working depth is carried out at the same time by the roller and/or the central axle:

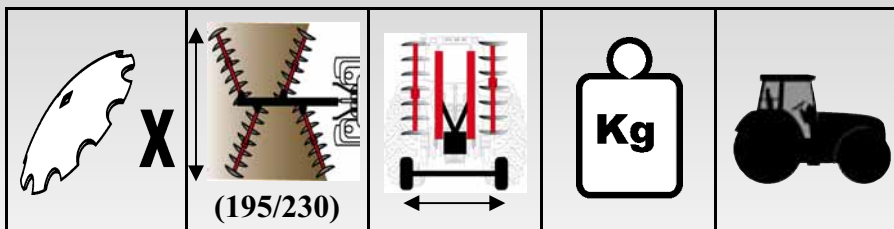
- ◆ The working depth adjustment of the central carriage is carried out via an adjustable mechanical stop.
- ◆ The adjustment of the roller is regulated via a mechanical turnbuckle.

Boom angle adjustment



To control precisely the working depth, all over the working width it is possible to adjust the position of the disc gangs, by increasing or decreasing the length of the rod of the folding cylinders.

Technical features



Préci'X

Model	Working width (m)	Transport width (m)	Weight (kg)	HP
30	3,00/3,60	2,50	3 950	100
34	3,40/4,00		4 200	110
38	3,90/4,50		4 400	130
42	4,20/5,00		4 670	150
46	4,60/5,40		5 050	180

Rear accessories (Option)



Models	Diameter	Width
Crumbler roller	Ø 500 mm	3,00 - 6,00 m
	Ø 600 mm	3,00 - 6,00 m
Following harrows	Ø 14 mm	3,00 - 6,00 m

An original design

Préci'Pak is characterized by an accurate working depth control operated by the integrated roller (from 3 to 15 cm).

The front disc gangs, are overlapped to achieve a homogeneous work over the whole working width of the Préci'Pak.

The roller, which can be supplemented in option by a row of following harrows (this type of equipment refines work carried out and distributes the residues in the direction of work facilitating the way for the seeder), press and refines the mulch previously carried out, to optimize the decomposition of the straws and the germination of the adventitious.



A tool carrier frame



The carriage located at the back of the implement offers a great stability to the tool particularly during the manoeuvrings.

In transport, the frame drops down after folding (transport width is lower than 2,50 m) to lower the gravity center and then improves balance and the confort of the tool.

This design allows the use in this range a broad choice of rollers and espacially of heavy rollers.

The quality of the completion



On Préci'Pak range, a detailed attention was related to the completion. Hydraulic hoses are protected and channeled inside the frame what increases their lifetime considerably.

The requirement in spool valves is limited, these models require only 2 double acting valves (except in the event of hydraulic adjustment of the roller).

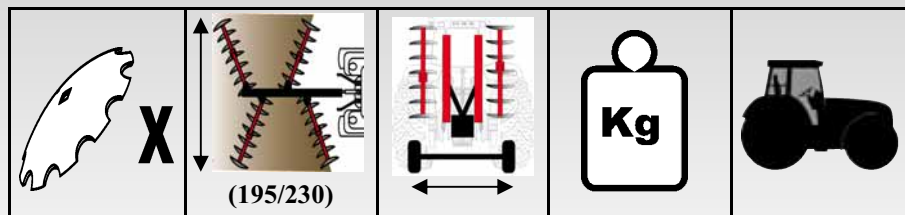
Working depth controlled exclusively from the rear the roller



At work, the implement runs on the roller, which controls the working depth.

The height of the roller is adjusted via mechanical turnbuckle, which can be replaced in option by a cylinder (simple acting). It is then possible to adjust the working depth from the tractor cab.

Technical features



Préci'Pak				
28	3,00/3,60 m	2,50 m	3 950 kg	100 HP
32	3,40/4,00 m		4 200 kg	120 HP
36	3,90/4,50 m		4 400 kg	140 HP
40	4,20/5,00 m		4 670 kg	160 HP
44	4,60/5,40 m		5 050 kg	180 HP

A broad choice of rear equipments



Crumbler roller
Ø 500 mm



Twin roller
Ø 500 mm



« U » roller
Ø 500 mm



Triple harrows
Ø 14 or 16mm



Terrapak



Twin & U
Ø 500 mm

Disc gangs suitable for extreme conditions



Bearing of exceptional reliability

The cast bearings are mounted with 2 conical bearings (1), protected by 2 seals (2) on both sides. The seals are orientated to let the grease going out in case of grease excess. To obtain a perfect protection, GREGOIRE BESSON has added on the 2 extremities of this bearing a braid (3), which will keep away all the dust and various elements which could damage the bearing.

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

Shaft : Privileging quality

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

A very close attention is paid to the manufacture of the disc gangs: the shafts are machined and blocked at their two ends guaranteeing an optimum tightening of the discs and then an exceptional reliability in time.

A broad choice of discs

Préci' X range are all are equipped in standard with discs Roll'Coup 660, thickness 6 (680 X 7 mm in option).

These discs with specific profile have a penetration capacity higher than the standard discs, then improving the versatility of the disc gangs.

Disc
Roll'Coup
Ø 680 / 7 mm



Standard disc
Ø 660 / 6
or 7 mm

An accurate working depth adjustment

1



2



All the models of the Préc' X range are equipped with a hydraulic compensation cylinder on drawbar (1) which carries out a carryforward of load on the tractor and a carrying roller (2) for the working depth.

Easy adjustments



Hitch on tractor arms ensures a great maneuverability in end of fields thanks to very important steering angles.

The attachment on tractor arms also makes it possible to carry out a carryforward of load using the cylinder on drawbar then improving significantly tractor grip.



The adjustments of the disc gangs are carried out using a sector with holes refined through a mechanical turnbuckle.

This very simple maintenance system ensures an fine adjustment of the working angle on the disc gangs. After adjustment, the disc gangs are locked using a locking screw in order to maintain them in position.



Rear accessories to refine stubble-ploughing work.

The choice of the roller is a determining aspect at the time of the purchase of the tool. It is indeed the roller, which after the stubble-ploughing carried out by the discs, will allow a better completion of work. The refinement and a pack of the ground which will ensure the germination of seeds the adventitious and the conservation of moisture in the ground.

A broad range of rollers is available in order to be able to adapt a quality of crumbling and ground pressure according to your conditions of use.



Crumbler roller 500 or 600



Twin roller 500 mm