



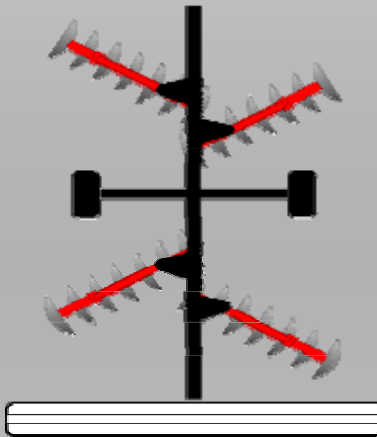
Comfort and adaptability

Synchrodisc system

**For tractor from
90 to 180 HP**



Overlapped disc gangs



SX'PRO ranges have been designed with the front and rear disc gangs overlapping each other, to ensure the soil is totally moved, all along the working width of the implement. The SYNCHRODISC (patent GREGOIRE BESSON) allows a very easy adjustment, hydraulically controlled from the tractor cab. The surface totally moved, makes it possible to obtain a level finish on top and under the surface.

Wheel carriage is orientated in the direction of the rear disc gangs, for a better balance of the implement, especially, when it is equipped with a rear roller.

Sturdy conception



As all the GREGOIRE BESSON products, the SX'Pro ranges have been designed to suit the most difficult conditions for the most demanding farmers.

Everything has been done to reduce as much as possible the stress on the different elements. It is why the disc gangs are linked with an extension support frame to the main chassis, to ensure a perfect contact between the disc gang and the ground, without requesting too much effort on the articulations of the implement.

New chassis

SX'Pro range is manufactured with a single frame, which has a tube of 300x200x10 mm for SX'PRO range and 300x300x10 on SX'PRO L. Such frame ensures a good sturdiness of the disc harrows and also a simple design, to make the life of the user easier:

- Easy access to the maintenance points,
- Better visibility for more comfort and security,
- Transport width under 2.50 m in accordance to the road legislations.

Central carriage



Using a central carriage allows easier manoeuvres on headlands and on the road. Whilst the lateral folding offers a very narrow implement on the road (2.50 m).



Equipped with low pressure tyres (400/60/15 option), SX'Pro range will offer an optimum working depth control, especially in wet condition, when there is no rear roller.

The frame of 70x70 mm used on the wheel carriage allows a perfect rigidity, for a better long life of your investment. To ensure a constant working depth, the hydraulic cylinder of the carriage is linked with a mechanical block, which will stop the cylinder when it has reached the previous working depth.

Tyres



Various types of tyres are available. The choice of the tyres is important especially if you decide to use your SX'Pro without rear roller. From 36 discs, SX'Pro models, are equipped with 4 tyres for more stability and comfort.

Type	Diameter	Width	Profil
10.0/75-15,3	760 mm	264 mm	
11.5/80-15,3	845 mm	290 mm	
12.5/80-15	890 mm	307 mm	
14.0-65	870 mm	353 mm	
19.0/45 x 17	866 mm	491 mm	
400-60x15,5	875 mm	400 mm	

SYNCHRODISC SYSTEM

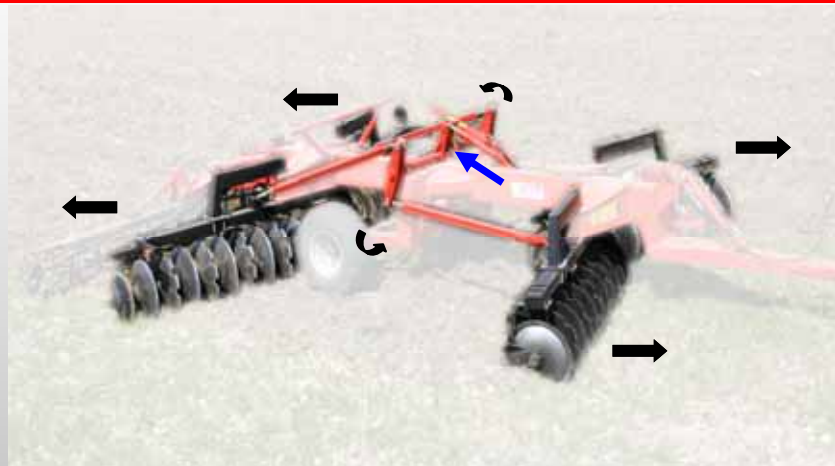
The adjustments, the folding/unfolding system of the disc gangs are totally operated from the tractor cab. All these operations are synchronized due to the SYNCHRODISC parallelogram (patent Grégoire-Besson)

This unrivalled concept cancels all the stress on the disc gangs (left and right, but also front and rear). Even during work, the SYNCHRODISC allows a perfect balance between the 4 disc gangs, and allows the possibility to change the position (angle) of the disc gangs.

The SYNCHRODISC has been designed to fold and unfold the 4 disc gangs (transport/working position) directly from the tractor cab, without leaving the tractor. This easy hydraulic adjustment makes it possible to adjust the implement, depending on the soil conditions, the weather or the contours of the ground. Depending on your requirements, you can obtain a different finish, by opening or closing the working angle of the disc gangs



A marker will help you to check your adjustments at any time.



Different hitches



Turning hitch

Fixed hitch

Hitch on tractor arms

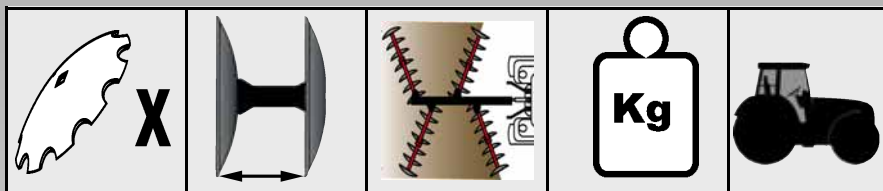
Secured transport



SX'Pro ranges are offering an automatic horizontal folding system, for perfect stability in transport. Also the hydraulic cylinder mounted on the drawbar reduces shock loads between the tractor and the implement.

With a transport width under 2,50 m, a parking brake and the hydraulic braking system from 6 000 kg, SX'Pro ranges comply with the last road legislation.

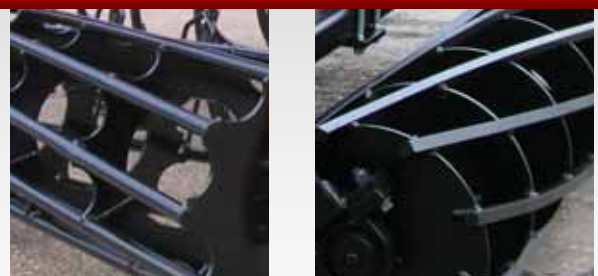
Technical



SX'Pro				
24	230	2,70 m	3 800 kg	90 HP
28	230	3,10 m	3 900 kg	120 HP
32	195/230	3,10/3,60 m	3 500/4 000 kg	110/130 HP
36	195/230	3,50/4,05 m	3 600/4 200 kg	120/150 HP
40	195	3,90 m	3 800 kg	130 HP
44	195	4,30 m	4 700 kg	140 HP

SX'Pro L				
28	230	3,10 m	3 900 kg	120 HP
32	230	3,60 m	4 000 kg	130 HP
36	195/230	3,50/4,05 m	4 000/4 200 kg	130/150 HP
40	195/230	3,90/4,50 m	4 100/4 300 kg	140/160 HP
44	195/230	4,30/4,95 m	4 200/4 500 kg	150/170 HP
48	195	4,70 m	4 500 kg	160 HP
52	195	5,10 m	4 600 kg	180 HP

Rear accessories available (option)



Round profile

Square profile

Type	Diameter
Crumbler rollers	Ø 500 & 600 mm

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

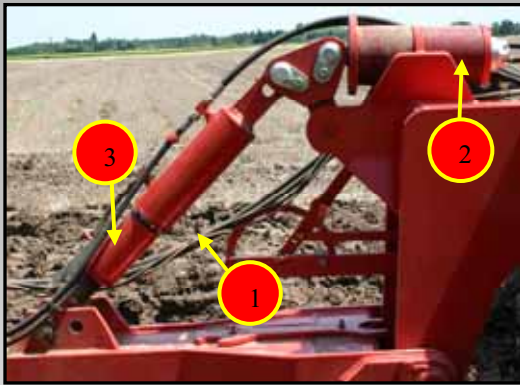
The models of the range SX'Pro are all equipped with standard discs of diameter 660 & thickness 6 mm.

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

All SX'Pro products are equipped with MAXI'CONTROL system as standard, which ensures a perfect working depth control and regular quality work.



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 (2), 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 (3). This simple solution gives you the guarantee to work all the time at the same working depth.

In transport position, the rubber shock absorber will increase the comfort, by reducing the shock loads between the tractor and the disc harrows.



The working depth control at the rear is operated by the roller. The hydraulic circuit is linked with a nitrogen tank, which will work as a shock absorber in case of an obstacle. The possibility to offer an implement with a depth control at the front and at the rear, allows an optimum depth, whatever the working speed.