

GRÉGOIRE  BESSON

www.gregoire-besson.com

# DISCORDON

Improved soil management



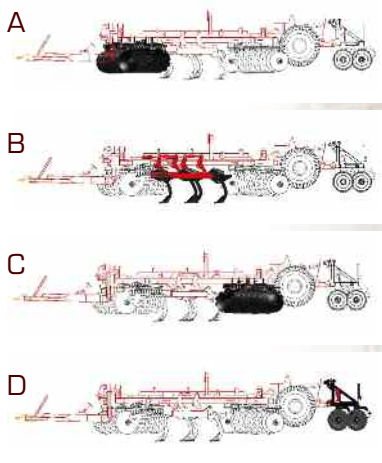
for tractors from **150 to 600 HP**

# DISCORDON

## Improved soil management

**For more than 20 years, Grégoire Besson has been developing their Discordon range. It is now one of the most efficient and reliable on the market.**

The combination tines + discs + packer ensures a one pass high quality tillage in all circumstances.



### **An excellent and efficient combination**

- A > Overlapping front discs gangs
- B > Tines fitted on a parallelogram
- C > Overlapping rear discs gangs
- D > Rear packer

### **Front disc gangs**

- Adjustable angle = penetration power
- Full width worked
- Residues cut
- Pre-mixing ground - residue

### **Tines**

- Fitted on a parallelogram with independent height adjustment
- Two types of tines available :
  - Discordon : for intense mixing
  - Michel : for soil loosening with minimum disturbance
- Two types of safety devices available :
  - Shear bolt
  - Non-stop hydraulic
- Improves water infiltration and root development



**Control box available from summer 2010**

## Rear disc gangs

Adjustable angle  
Profile refinement and  
residue cutting  
Fine mixing and  
levelled surface  
Improves residue  
decomposition

## Rear packer

Depth control and stability  
of the machine at work  
Consolidation of the  
worked ground  
Creation of ideal germination  
conditions (direct seeding,  
harvest losses, ...)  
Several profiles available:  
- Ø 600 mm, steel ring  
profile "V" or flat  
- Ø 740 mm, steel ring profile  
"V" or rubber "Farmflex"

## Comfort and ergonomics

Hydraulic control box  
(optional)  
Automatic locking in  
transport position  
Depth indicators for  
packer and tines



# DISCORDON

## DXN II - DXR

Improved soil management

**These two entrance range models are simple and robust.**

They are dedicated to mid-size tractors with working widths from 3,2 to 4,0 m.



### DXN II

Fixed frame 3,20 m wide

Tine assembly

- Type Discordon
- On one beam

Rear hydraulic hitch for roller combination

### DXR

Foldable frame, 3 parts, transport width 3,00 m

Tine assembly

- Type Discordon or Michel
- On one beam

Rear hydraulic hitch for roller combination





### Technical specifications

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>DXN II</b>   |   |   |   |   |   |   |   |   |
| 130 HP  | 660 mm  | 6 mm  | 230 mm  | 24  | 5   | 3,20 m  | 3,20 m  | 3200  |

### DXR (Tine Discordon)

|        |        |      |        |    |   |        |        |      |
|--------|--------|------|--------|----|---|--------|--------|------|
| 140 HP | 660 mm | 6 mm | 230 mm | 28 | 5 | 3,20 m | 3,00 m | 5380 |
| 170 HP |        |      |        | 32 | 7 | 3,60 m |        | 5600 |
| 200 HP |        |      |        | 36 |   | 4,05 m |        | 5710 |

### DXR (Tine Michel)

|        |        |      |        |    |   |        |        |      |
|--------|--------|------|--------|----|---|--------|--------|------|
| 140 HP | 660 mm | 6 mm | 230 mm | 28 | 4 | 3,20 m | 3,00 m | 5380 |
| 170 HP |        |      |        | 32 | 6 | 3,60 m |        | 5600 |
| 200 HP |        |      |        | 36 |   | 4,05 m |        | 5710 |

Weights, dimensions and HP requirements are indicative only, subjects to variations according to options, type of soil, design modifications.



# DISCORDON

## DXRV II - DXRV HD

Improved soil management

**Wide machines  
for high HP  
tractors.  
Ideal for  
large size  
farms, allows  
high outputs.**



### Double cone hitch

Cat. II, III or IV (specify when ordering)

Designed to fit all drawbars

Never gets loose

No ovalization risk



### Tines

Tine assembly on two beams  
= more clearance

Removeable to work with  
discs only

Two types available :

- Type Discordon
- Type Michel

Height adjustment hydraulic  
independent "on the go"

### Maxi'control

On the front :  
hydraulic compensation ram  
with rubber shock absorber

At the rear :  
wheels raised up, depth  
controlled with packer

Result :  
machine held on both ends =  
precise working depth,  
stability and weight transfer



**Discs gangs****Frame**

Width from 4,20 m to 5,20 m

Wheel axle square 80 mm

Wheel 15 R 22,5

Width from 5,70 m to 7,20 m

Wheel axle square 100 mm

Wheel 18 R 22,5

Shaft square 40 mm

Discs Ø 660 mm  
thickness 6 or 7 mm

Shaft square 50 mm

Discs Ø 710 mm  
thickness 7 mm**DXRV II****DXRV HD****DXRV II L****DXRV L HD****Technical specifications****DXRV II (Shaft square: 40 mm)**

|            |        |      |        |    |   |        |        |      |
|------------|--------|------|--------|----|---|--------|--------|------|
| 220-250 HP | 660 mm | 6 mm | 270 mm | 32 | 7 | 4,20 m | 3,00 m | 6690 |
| 250-320 HP |        |      |        | 36 | 9 | 4,70 m |        | 6940 |
| 320-350 HP |        |      |        | 40 |   | 5,20 m |        | 7190 |

**DXRV II L (Shaft square: 50 mm)**

|        |        |      |        |    |   |        |        |      |
|--------|--------|------|--------|----|---|--------|--------|------|
| 260 HP | 710 mm | 7 mm | 270 mm | 32 | 7 | 4,20 m | 3,00 m | 6910 |
| 320 HP |        |      |        | 36 | 9 | 4,70 m |        | 7190 |

**DXRV HD (Shaft square: 40 mm)**

|            |        |      |        |    |    |        |        |      |
|------------|--------|------|--------|----|----|--------|--------|------|
| 330-350 HP | 660 mm | 6 mm | 270 mm | 44 | 11 | 5,70 m | 3,00 m | 7390 |
| 350-380 HP |        |      |        | 48 | 13 | 6,20 m |        | 8340 |
| 380-430 HP |        |      |        | 52 |    | 6,70 m |        | 8590 |
| 430-550 HP |        |      |        | 56 | 15 | 7,20 m |        | 8870 |

**DXRV L HD (Shaft square: 50 mm)**

|            |        |      |        |    |    |        |        |      |
|------------|--------|------|--------|----|----|--------|--------|------|
| 330-370 HP | 710 mm | 7 mm | 270 mm | 44 | 11 | 5,70 m | 3,00 m | 8210 |
| 370-420 HP |        |      |        | 48 | 13 | 6,20 m |        | 8690 |

Weights, dimensions and HP requirements are indicative only, subjects to variations according to options, type of soil, design modifications.

# DISCORDON

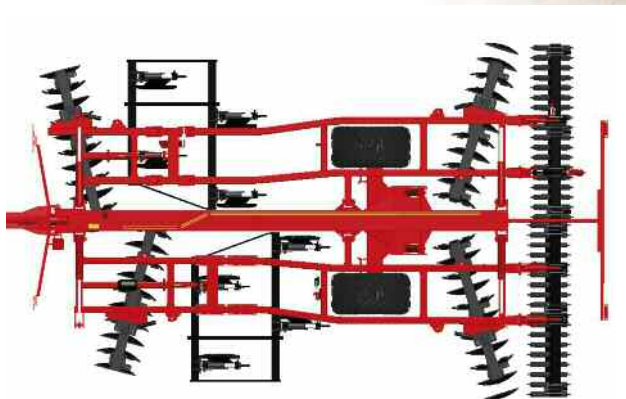
## DXR RC

Improved soil management

**Resulting from both field observations and tillage analysis, DXR RC is the perfect complement for Discordon range.**

Designed with the wheels in the center allows utilization :

- with Emopak roller for use just before seeding,
- with double row tine harrow or solo (= with no rear equipment) for late tillage.



### Wheels in the centre design

Foldable frame, 2 parts, transport width 3,0 m

Possible use of the wheels for depth control in wet conditions

Large choice for rear equipment

Machine compact and manoeuvrable

### Rear equipments

Emopak roller :

- Ø 600 mm, steel ring, "V" or flat profile
- Ø 740 mm, steel ring "V" profile or rubber ring "Farmflex"










Double row tine harrow

Solo = possible use with no rear equipment





## Technical specifications

|  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|
| DXR RC (Tine Discordon)   |   |   |   |   |   |   |   |   |
| 200 HP  | 660 mm  | 6 mm  | 230 mm  | 30  | 6   | 3,20 m  | 3,00 m  | 6 430   |
| 220 HP  |   |   |   | 34  |   | 3,70 m  |   | 6 700   |
| 260 HP  |   |   |   | 38  | 8   | 4,20 m  |   | 6 800   |
| 300 HP  |   |   |   | 42  |   | 4,80 m  |   | 7 170   |
| 320 HP  |   |   |   | 46  | 10  | 5,20 m  |   | 7 450   |

## DXR RC (Tine Michel)

|        |        |      |        |    |    |        |        |       |
|--------|--------|------|--------|----|----|--------|--------|-------|
| 220 HP | 660 mm | 6 mm | 230 mm | 30 | 6  | 3,20 m | 3,00 m | 6 570 |
| 220 HP |        |      |        | 34 |    | 3,70 m |        | 6 840 |
| 260 HP |        |      |        | 38 | 8  | 4,20 m |        | 6 940 |
| 300 HP |        |      |        | 42 |    | 4,80 m |        | 7 310 |
| 320 HP |        |      |        | 46 | 10 | 5,20 m |        | 7 680 |

Weights, dimensions and HP requirements are indicative only, subjects to variations according to options, type of soil, design modifications.



# DISCORDON

## Residue management and tillage

### Discs

#### Bearing

Double taper roller bearing

2 seals + 1 braid on each side  
of the bearing housing

Seals oriented for perfect bearings  
protections + excessive grease evacuation



#### Profile

Ø 660 mm / thickness 6 mm

Ø 660 mm / thickness 7 mm

Ø 710 mm / thickness 7 mm

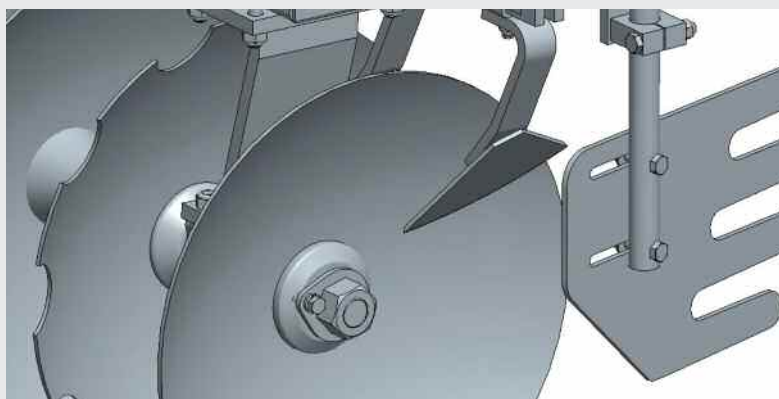
Ø 710 mm / thickness 8 mm

#### Shaft

Square 40 mm

Square 50 mm (DXRV II L & DXRVL HD)

Nut locking device on both shaft ends



### Tines

#### Type Michel

Soil loosening with minimum disturbance

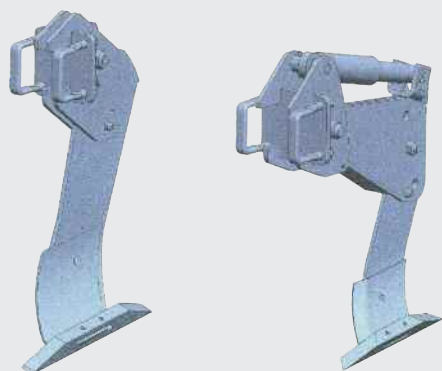
Shear bolt safety device

Non-stop hydraulic safety device

Reversible point

Bolted point carbide reinforced

Counter blade



#### Type Discordon

Subsoiling and intense mixing

Shear bolt safety device

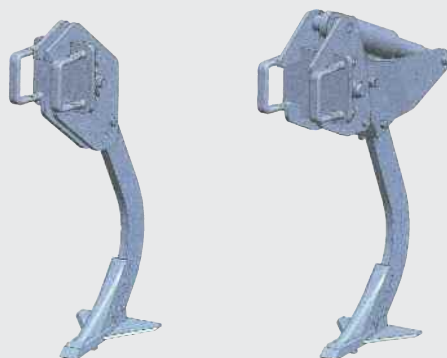
Non-stop hydraulic safety device

Carbide point

Short steel wing

Short steel wing carbide reinforced

Long steel wing





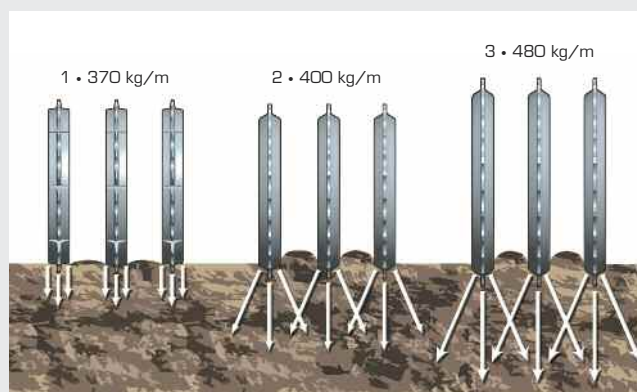
## Rear equipments

Emopak roller "V" profile Ø 600 or 740 mm

Emopak roller flat profile Ø 600 mm

Farmflex roller rubber ring Ø 740 mm

Double row tine harrow Ø 16 mm



## Options

Anti-projection discs

Deflector device

Bearing protection plate

Intens'+ bearing (heavy roller)





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