

# SYNCHRONIC CIN

Self-supporting V Cover Crop



[www.razol.fr](http://www.razol.fr)

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Self-supporting V Cover Crop

Strong points

- Hydraulic adjustment of the angle of the discs
- Longitudinal folding at 2,50 m on the road
- Hitch fixed ring or rotating ring
- Hydraulic connection : 2 DA outputs
- Wheels lifting by 1 DA cylinder

## + MAIN CHASSIS

Double beam 180 x 100 x 8 mm for high sturdiness in difficult conditions.

## + INTERMEDIATE CHASSIS

150 x 100 x 10 mm for perfect rigidity of the assembly in deep and difficult work.

## + SAFETY

Homologated without braking for 40 km/h as standard.

## + PIVOTING

Disc-on-roll arrays for friction free adjustment and work positioning.

## + REMOVABLE HITCH

Mechanical or hydraulic adjustable of height 3 positions. Fixed ring or rotating ring. Parallel lifting device with load transfer on the hitch ring.

## + ARRAYS ANGLE ADJUSTMENT CONCEPT

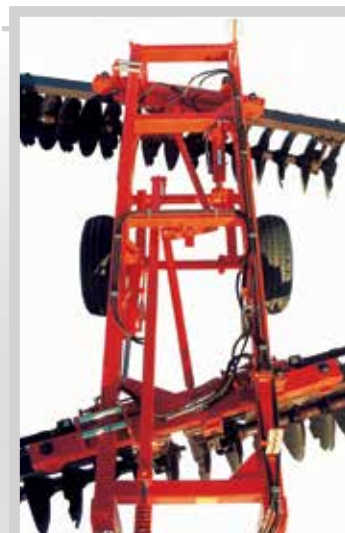
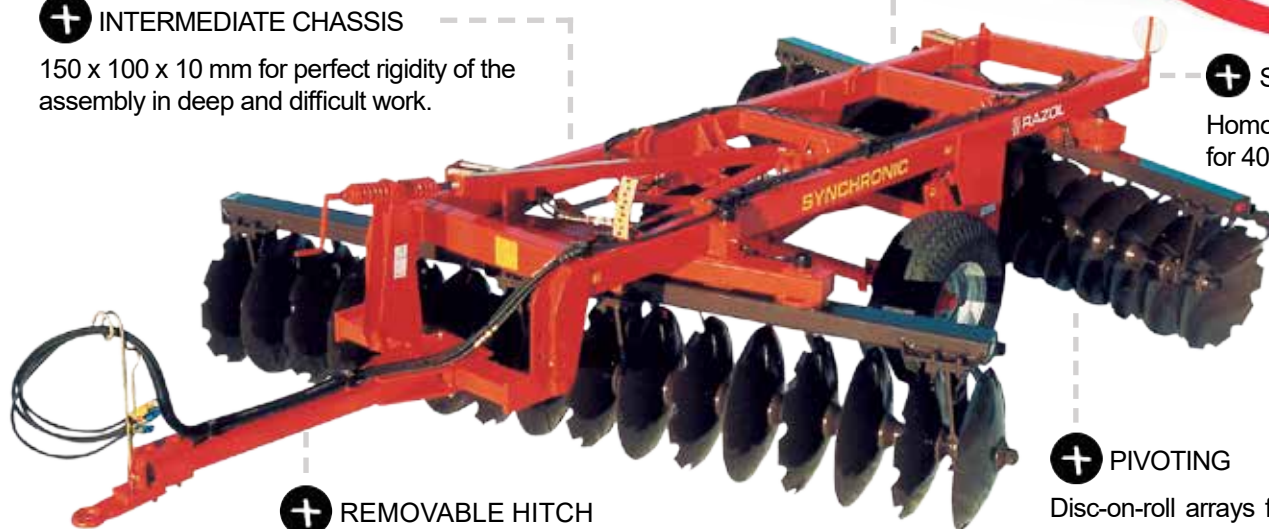
1 cylinder associated with connection rods ensures the synchronised adjustment of the front and rear arrays angle simultaneously. A graduated visual cue indicates the angle of the 2 arrays.

## + ARRAYS LOCKING

For good stability at work. Each discs array is held by a piton locked in the middle frame.

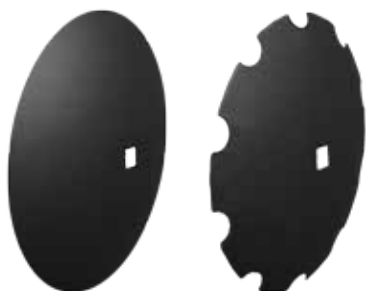
## + TRANSPORT WIDTH

At 2,50 m by 4 folding cylinders, high stability thanks to 300/80-15,3 FL+ wheels (optional 400/60-15,5 FL+ wheels), standard lighting for optimum safety on the road (hydraulic safety of the truck during transport)



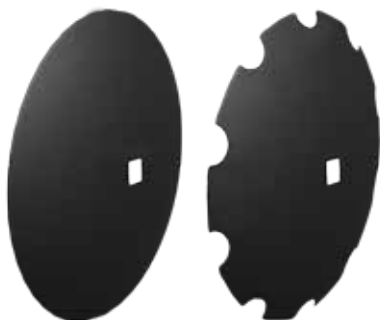


# DISCS WITH INSIDE SHARPENING



## + DISCS Ø660

- Mounted on square shaft 40 mm
- Spacing between discs 230 mm
- Thickness available: 7 ou 8 mm

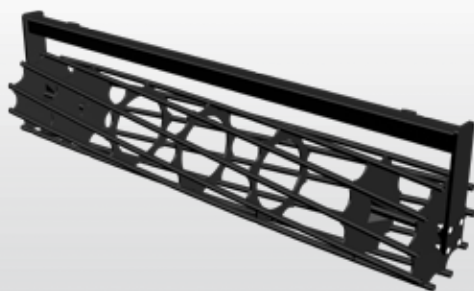


## + DISCS Ø710

- Mounted on square shaft 40 mm
- Spacing between discs 260 mm
- Thickness available: 7 ou 8 mm

# ROLLER ROL 10

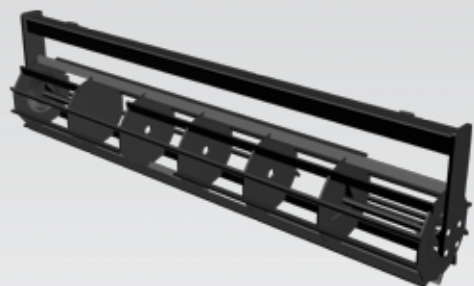
The SYNCHRONIC CIN can be equipped with a rear roller to crumble on the surface of the ground. The roller has hydraulic adjustment. However it also has a damping spring to deal with ground flatness defects



## + TUBES

Ø550 mm, 10 tubes  
Flanged ball bearing Ø30 mm

- Dry and hilly lands
- Clays and sands
- Good tamping
- Weight : 130 kg/m



## + FLAT IRONS

Ø500 mm, 10 flats  
Flanged ball bearing Ø30 mm

- Dry and hilly lands
- Clays and sands
- Aggressive flat irons
- Weight : 145 kg/m

If a rear roller is equipped, then braking is mandatory and the tool is homologated for 25 km/h.

# ACCESSORIES



## + PLOUGHING DISC Ø510

To avoid any trace of the last disc after the roller passage and to get most perfect surface.

## + DEFLECTOR DISC Ø510

Fixed inside the first disc to avoid excessive earth projection outside the tool working width.

## + LATERAL DEFLECTOR

All directions adjustable, it prevents earth projection of the front array from getting out of the rear array working width.

## + BALANCE HYDRAULIC ADJUSTMENT

Useful for continuous adjustment while working on very rough ground.

# BEARINGS

## Square bearing 40 mm



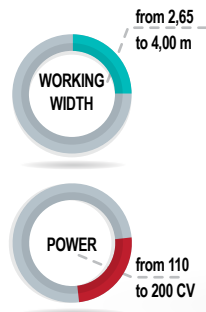
## Square bearing 40 mm with standard protection



## Square bearing 40 mm with reinforced protection



- Cast iron lids and bearing housings
- Steel sheath
- Tapered roller bearings



- CHASSIS steel beam 180 x 100 x 8 mm, intermediate arrays holder beam 150 x 100 x 10 mm
- HITCH with fixed ring, adjustable in height 3 positions
- BALANCE ADJUSTMENT with damper
- PARALLEL LIFTING DEVICE
- ARRAYS 150 x 100 x 8 mm with angle hydraulic adjustment 9 positions from 8° to 24° by 1 DA cylinder
- Manganese-silica SHAFT 40 mm, bearings with double row of tapered rollers, lubrication every 100 hours
- WHEELS 300/80-15,5 FL+
- TRUCK 1 DA cylinder with hydraulic slider for depth control (transport safety)
- SQUARE AXLE of 60 mm, 6 axes
- LONGITUDINAL FOLDING for transport by the arrays adjustment DA cylinder
- WITHOUT BRAKING, standard secondary attachment chain

CIN 230 mm/660-6 mm	24 discs	26 discs	28 discs	32 discs	36 discs
Working width	2,65 m	2,90 m	3,10 m	3,55 m	4,00 m
Power	110 to 140 cv	120 to 150 cv	130 to 160 cv	140 to 180 cv	160 to 200 cv
Number of bearings	8	8	8	8	8
Weight	2 960 kg	3 120 kg	3 280 kg	3 440 kg	3 600 kg

CIN 260 mm/660-6 mm	24 discs	26 discs	28 discs	32 discs
Working width	2,95 m	3,20 m	3,50 m	4,00 m
Power	120 to 150 cv	130 to 160 cv	140 to 180 cv	160 to 200 cv
Number of bearings	8	8	8	8
Weight	2 980 kg	3 150 kg	3 320 kg	3 490 kg

### Options available:

- Additional bearing
- Wheels 400/60-R15,5 FL+
- Hydraulic offset
- Hydraulic suspension

## ROL 10

- CHASSIS steel beam 120 x 120 x 7 mm
- 2 ELEMENTS with hydraulic lifting
- HYDRAULIC FOLDING of the elements by 2 DA cylinders
- SOIL ADJUSTMENT by 1 DA cylinder equipped with a hydraulic valve
- DAMPER with adjustable tension spring
- HYDRAULIC CONNECTION 1 DA output

### Braking mandatory with a roller

ROL 10 FLAT IRONS	Working width	3,35 m	3,80 m	4,25 m	4,75 m
Ø500 mm, 10 flats	Weight	700 kg	725 kg	755 kg	780 kg
ROL 10 TUBES	Working width	3,35 m	4,65 m	5,10 m	5,60 m
Ø550 mm, 10 tubes	Weight	690 kg	715 kg	740 kg	765 kg



### Devices **with INDEPENDENT DISCS**

SKYRON fixed independent disc harrow  
SKYRON folding independent disc harrow  
SKYRON self-supporting independent disc harrow



### Devices **with DISCS X**

ORBYS self-supporting X combining sprayer  
ZÉNITH RGH self-supporting X combining sprayer  
ZÉNITH RZH self-supporting X combining sprayer  
ZÉNITH RJH self-supporting X combining sprayer  
PHÉNIXTGX self-supporting X sprayer  
PHÉNIXTBX self-supporting X sprayer



### Devices **with DISCS V**

CWH - CWHR super heavy self-supporting V Cover Crop  
SYNCHRONIC CIN self-supporting V Cover Crop  
CLH - CVH heavy self-supporting V Cover Crop  
CIH - CJH self-supporting V Cover Crop



### Devices **with SUPPORTED DISCS**

VITICROP mounted X sprayer  
VINIDISC mounted disc harrow  
TXL mounted X sprayer  
TRW heavy-duty mounted reversible sprayer  
CCW - CCU mounted reversible sprayer



### Devices **for ROLLING**

ROLLPACK self-supporting cast iron roller  
TORO - RVH self-supporting cast iron roller  
RVH EVO self-supporting steel smooth roller



### Devices **with TINES**

KILIS - KILIS R combined cultivator with flexible tines  
TÉOS - TÉOS R stubble cultivator with curved tines 3 rows



### Devices **for LOOSENING**

ARASOL AVLE supported subsoiler  
ARASOL AVS - AVR supported subsoiler  
ARAPLOW ACV supported decompactor  
ARAPLOW ACM - ACMH supported decompactor  
ARAMULCH ADM - ADMH supported decompactor  
DVV supported subsoiler for vineyard and orchards



### Devices **for SPRING**

BLI - BMI - BSI folding and fixed mounted cultivator