

ORBYS

Self-supporting X combining sprayer



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The self-supporting combining sprayer ORBYS suits all working conditions. The different features and roller types give to this sprayer all it needs for stubble cultivation, soil ploughing and sowing preparation.

Strong points

Hitch on lifting arm category n°3

Hydraulic connection : 3 DA outputs

Vertical folding at 3,00 m on the road

Manual adjustment of the discs' angle

Hydraulic adjustment of the roller

Wheels lifting by 2 DA cylinders

+ ROLLER

For control and compression over the whole working width :

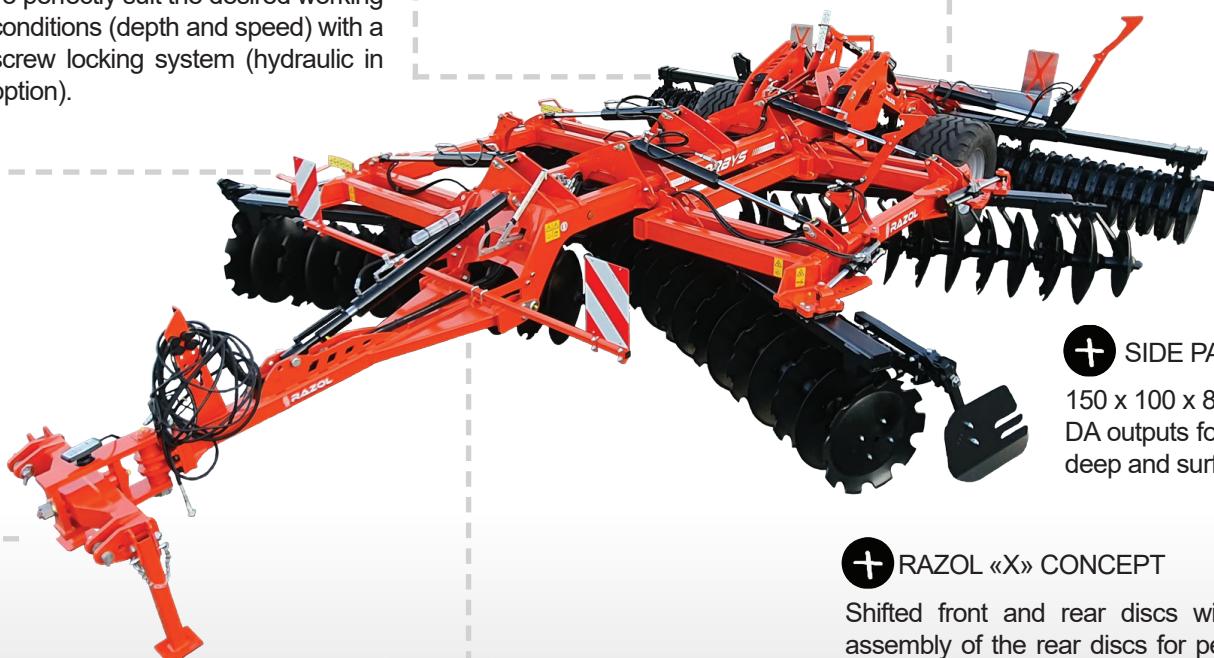
- ROLPACK Ø620 mm
- FULL ROUNDS Ø800 mm

+ DISCS ARRAYS MANUAL ADJUSTMENT (7 POSITIONS)

To perfectly suit the desired working conditions (depth and speed) with a screw locking system (hydraulic in option).

+ ROLLER ADJUSTMENT

Hydraulic by 2 powerful DA cylinders with position visual cue for accurate stubble depth adjustment.



+ SIDE PANELS

150 x 100 x 8 mm with 4 adjustable DA outputs for better rigidity in both deep and surface work.

+ MAIN CHASSIS

Double beam 200 x 100 x 10 mm for great sturdiness in difficult conditions.

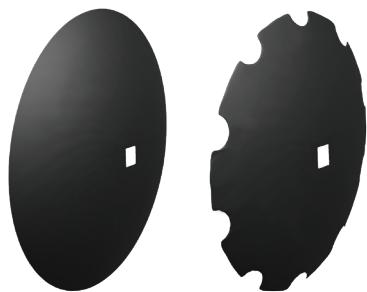
+ TRANSPORT WIDTH

At 3,00 m, standard mechanical coupling hydraulic brake, standard lighting and signalling for optimum safety on the road (automatic panels lock in transport mode).

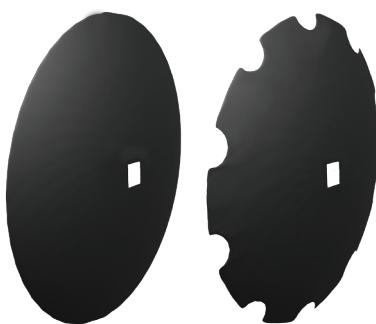


DISCS WITH INSIDE SHARPENING

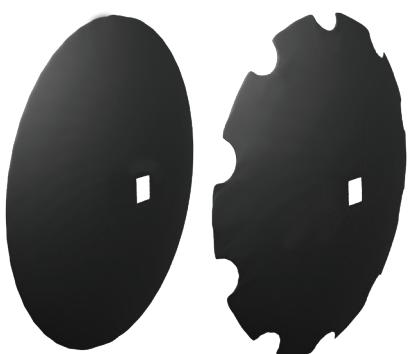
Discs Ø660



Discs Ø710



Discs Ø730



- Mounted on square shaft 40 mm
- Spacing between discs 200 or 230 mm
- Thickness available: 6, 7 and 8 mm

- Mounted on square shaft 40 mm
- Spacing between discs 200 or 230 mm
- Thickness available: 7 and 8 mm

- Mounted on square shaft 50 mm
- Spacing between discs 270 mm
- Thickness available: 7 and 8 mm

SQUARE BEARING 40 mm

Square bearing 40 mm



Square bearing 40 mm
with standard protection



Square bearing 40 mm
with reinforced protection



SQUARE BEARING 50 mm

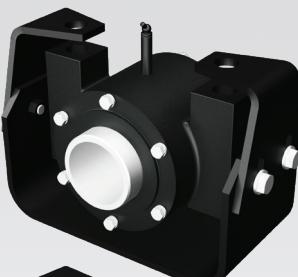
Square bearing 50 mm



Square bearing 50 mm
with standard protection



Square bearing 50 mm
with reinforced protection



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

ACCESSORIES



DEFLECTOR DISC Ø510 mm

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



LATERAL DEFLECTOR

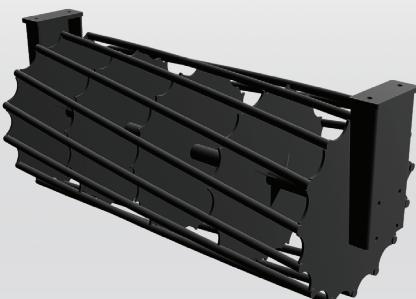
All directions adjustable, it prevents earth projection of the front array from getting out of the rear array working width.



CONTROL WHEELS 400/60 - 15.5 FL+

Manually adjustable and fixed to the discs arrays, they ensure the machine's stability for large width.

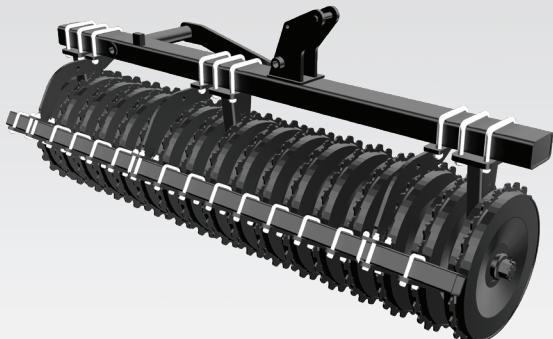
ROLLER



FULL ROUNDS

Ø800 mm, 15 rounds Ø35 mm
Flanged ball bearings Ø60 mm

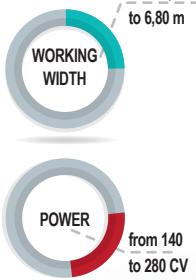
- Stony and soft lands
- Silt and sands
- Weight : 300 kg/m



ROLPACK

Ø620 mm, crenellated solid wheels
Pitch of 150 mm

- Stony and dry lands
- All conditions
- Tamps and stabilises
- Weight : 395 kg/m



- CHASSIS steel beam 200 x 100 x 10 mm
- PANELS 150 x 100 x 8 mm with hydraulic lock in transport mode
- HITCH articulated head with clevises category n°3 on lifting arm
- ARRAYS 150 x 100 x 8 mm (or 200 x 100 x 8 mm if higher than 6,50 m or if ORBYS 50), manual angle adjustment 7 positions from 10 to 24°, locked with screw
- Manganese-silica SHAFT 40 mm (ORBYS 40), bearing with double rows of tapered rollers « crop » type, lubrication every 100 hours
- Manganese-silica SHAFT 50 mm (ORBYS 50), bearing with double rows of tapered rollers « crop » type and protection shell, lubrication every 100 hours

- BOOM CYLINDER for the hitch as standard
- AXLE square of 90 mm, 8 axes
- WHEELS 560/45 R 22.5 FL PRO radial
- ROLLER ADJUSTMENT 2 DA cylinders, 3rd point arm with screw, position visual cue
- VERTICAL FOLDING by 4 DA cylinders
- TRUCK 2 DA cylinder
- Mechanical coupling hydraulic BRAKE as standard

ORBYS 40 - 200 mm / 660-6 mm	52 discs	56 discs		60 discs	64 discs	68 discs
Working width	5,10 m	5,50 m		5,90 m	6,30 m	6,65 m
Roller working width	5,70 m	6,00 m		6,60 m	6,90 m	7,50 m
Power	140 to 180 cv	160 to 200 cv		180 to 220 cv	200 to 240 cv	220 to 280 cv
Number of bearings	12	12		16	16	16
Weight	6 195 kg	6 330 kg		6 520 kg	6 980 kg	7 540 kg

ORBYS 40 - 230 mm / 660-6 mm	44 discs	48 discs		52 discs	56 discs	60 discs
Working width	5,00 m	5,45 m		5,90 m	6,35 m	6,80 m
Roller working width	5,70 m	6,00 m		6,60 m	6,90 m	7,50 m
Power	140 to 180 cv	160 to 200 cv		180 to 220 cv	200 to 240 cv	220 to 280 cv
Number of bearings	12	12		16	16	16
Weight	5 947 kg	6 150 kg		6 370 kg	6 860 kg	7 350 kg

ORBYS 50 - 270 mm / 730-7 mm	40 discs		44 discs		48 discs	
Working width	5,20 m		5,70 m		6,25 m	
Roller working width	5,70 m		6,30 m		6,90 m	
Power	180 to 220 cv		200 to 240 cv		220 to 280 cv	
Number of bearings	16		16		16	
Weight	7 090 kg		7 220 kg		7 450 kg	

Options and accessories :

- Bearing protection shell
- Additional bearing
- Wheels 620/40-R22,5
- Long hitch
- Hitch with clevises category 4
- Independent hydraulic adjustment of front and rear arrays
- Deflector discs
- Side deflectors
- Control wheels
- Hectare counter
- Multifunction hydraulic selector

ROLLER MANDATORY

- CHASSIS double beam 150 x 100 x 10 for ROLPACK
- CHASSIS single beam 250 x 250 x 10 for FULL ROUNDS
- ARRAYS steel beam 150 x 100 x 10 mm
- NUMBER OF ELEMENTS : 2 for ROLPACK
3 for FULL ROUNDS
- VERTICAL FOLDING by 2 DA cylinders with hydraulic lock for transport mode

FULL ROUNDS	Weight	2 250 kg	2 370 kg	2 520 kg	2 607 kg	2 725 kg	2 965 kg
Ø800 mm, 15 rounds							
ROLPACK	Number of bearings	6	8	8	8	8	8
Ø620 mm, crenellated wheels	Weight	1 690 kg	1 780 kg	1 850 kg	1 930 kg	2 000 kg	2 190 kg

Accessories :

- ROLPACK roller scraper ramp



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
- PHÉNIX TGX self-supporting X sprayer
- PHÉNIX TBX 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