



OPdLL-AGRI

**Products
catalogue**

About company



HISTORY

1995

Establishment of the company

1997

The company becomes a significant European manufacturer of wearing parts

2001

The first agricultural machine manufactured by OPaLL-AGRI

2005

Construction of a new business centre and headquarters in Hertice

2007

Construction of the production premises commences

2014

Construction of a modern production hall VH3 with an area of 5 000 m²

2016

Significant increase of production capacities and export to non-European countries

2019

Investments in new technological equipment



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160+

Employees

500+

Machines
sold per year

25+

We supply
machines to more
than 25 countries

JUPITER II

PLOUGH / MOUNTED

Ploughs that have been proven for years and are outstanding in their simplicity, durability and ease of use.



The second generation of JUPITER mounted reversible ploughs is manufactured with three, four and five plough bodies. The plough frame is constructed from a high-strength steel square tube giving these ploughs optimal stiffness and durability.

JUPITER II 120



JUPITER II 120 models are three- and four-plough bodied mounted reversible ploughs designed for tractors from 70 horsepower. During construction emphasis is placed on low weight combined with long service life of all components.

The plough frame is constructed from a high-strength 120 x 120 x 10 mm square steel tube giving the plough stiffness and durability. The most durable materials are also used for other parts of the plough which are further refined in order to achieve a high quality product with high utility value.

The JUPITER II 120 plough is produced in two versions according to the spacing between the plough bodies, namely JUPITER II 120/90 and 120/100.

variant - shear bolt protection



✓ Basic equipment

- Modular system 3 + 1
- Adjustable width 30-35-40 cm
- 80 cm underframe clearance
- Plough bodies including trashboards
- Knife coulters on the last pair of plough bodies
- Shear bolt or spring mechanism protection
- Rear reflexive plates
- Suspension shaft cat. 2
- Frame profile 120 x 120 x 10 mm

+ Optional chargeable extras

- Disc coulters
- Skimmers
- Combined wheel
- Flotation tyre
- Memory cylinder

Technical specifications	Unit	JUPITER II 120/90		JUPITER II 120/100	
		3	4	3	4
Number of plough bodies	pcs	3	4	3	4
Working width of one plough body	cm	30/35/40		33/39/44	
Total working width of the plough	cm	90/105/120	120/140/160	99/117/132	132/156/176
Clearance under the frame	cm	80		80	
Spacing between the plough bodies	cm	90		100	
Recommended working speed	km/h	7		7	
Plough weight **					
- shear bolt protection	kg	965	1175	970	1180
- spring mechanism protection	kg	1140	1395	1145	1400
Tractor output	hp	72 – 95	95 – 120	72 – 95	95 – 120

* The weight is only indicative and may vary according to the selected machine.

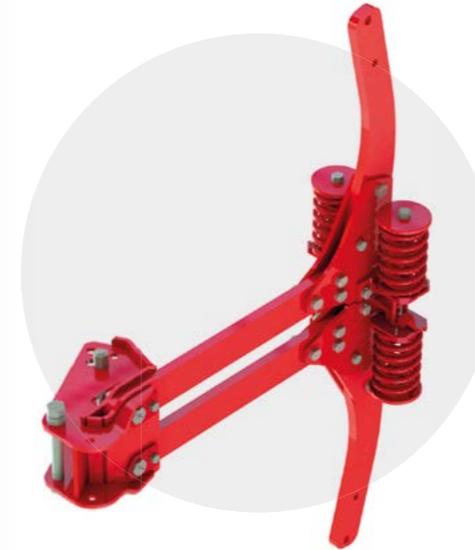
JUPITER II 140



JUPITER II 140 models are four- and five-plough bodied mounted reversible ploughs designed for tractors from 90 horsepower. The construction of the plough allows its use in any soil conditions.

The plough frame is constructed from a high-strength 140 x 140 x 10 mm square steel tube giving the plough stiffness and durability. The most durable materials are also used for other parts of the plough which are further refined in order to achieve a high quality product with high utility value. The JUPITER II 140 plough is produced in two versions according to the spacing between the plough bodies, namely JUPITER II 140/90 and 140/100.

variant - spring protection



✓ Basic equipment

- Modular system 4 + 1
- Adjustable width 30-35-40-45-50 cm
- 80 cm underframe clearance
- Plough bodies including trashboards
- Knife coulters on the last pair of plough bodies
- Shear bolt or spring mechanism protection
- Rear reflexive plates
- Suspension shaft cat. 3
- Frame profile 140 x 140 x 10 mm

+ Optional chargeable extras

- Disc coulters
- Skimmers
- Combined wheel
- Flotation tyre
- Memory cylinder

Technical specifications	Unit	JUPITER II 140/90		JUPITER II 140/100	
		4	5	4	5
Number of plough bodies	pcs	4	5	4	5
Working width of one plough body	cm	30/35/40/45/50		30/35/40/45/50	
Total working width of the plough	cm	120/140/160/180/200	150/175/200/225/250	120/140/160/180/200	150/175/200/225/250
Clearance under the frame	cm	80		80	
Spacing between the plough bodies	cm	90		100	
Recommended working speed	km/h	7		7	
Plough weight **					
– shear bolt protection	kg	1445	1670	1455	1680
– spring mechanism protection	kg	1625	1895	1635	1905
Tractor output	hp	90 – 160	115 – 175	90 – 160	115 – 175

* The weight is only indicative and may vary according to the selected machine.



New amongst OPaLL-AGRI s.r.o. ploughs.

Apollo I 140 ploughs are produced with emphasis on maximum utility value, all components are made from refined materials ensuring long service life.

Ploughs can be fitted with Vario hydraulic plough bodies width adjustment system and also by hydropneumatic protection system.

APOLLO I

PLOUGH / MOUNTED

Technically advanced ploughs with a robust construction and emphasis on maximum comfort of the operator.

APOLLO I 140



APOLLO I models are four- to six-plough bodied mounted reversible ploughs designed for tractors from 120 horsepower. Adjustment of plough bodies width is performed mechanically by changing the position of the plough body holder on the plough frame.

This plough is produced with maximum emphasis on strength and long service life which is incorporated into the structure of all its parts. The plough frame is constructed from a high-strength 140 x 140 x 10 mm square steel tube giving the plough stiffness and durability. The APOLLO I 140 plough is produced in two versions according to the spacing between plough bodies, namely the APOLLO I 140/90 and 140/100.

hydropneumatic protection



Basic equipment

- Modular system 4+1, 5+1
- Mechanically adjustable width of the plough body
- 80 cm underframe clearance
- Plough bodies including trashboards
- Knife coulter on the last pair of plough bodies
- Protection by shear bolt / spring mechanism / hydropneumatic system
- Rear reflexive plates
- Suspension shaft cat. 3
- Frame profile 140 x 140 x 10 mm

Optional chargeable extras

- Disc coulters
- Skimmers
- Combined wheel
- Flotation tyre
- Memory cylinder

Technical specifications	Unit	APOLLO I 140/90			APOLLO I 140/100		
		4	5	6	4	5	6
Number of plough bodies	pcs	4	5	6	4	5	6
Working width of one plough body	cm	30/35/40/45			33/39/44/50		
Total working width of the plough	cm	120/140/160/180	150/175/200/225	180/210/240/270	130/155/175/200	165/195/220/250	200/235/265/300
Clearance under the frame	cm	82			82		
Spacing between the plough bodies	cm	90			100		
Recommended working speed	km/h	7			7		
Plough weight **							
- shear bolt protection	kg	1670	1780	1990	1700	1810	2020
- spring mechanism protection	kg	1840	2130	2380	1870	2160	2410
Tractor output	hp	120 - 180	150 - 225	180 - 270	130 - 200	165 - 250	200 - 300

* The weight is only indicative and may vary according to the selected machine.

APOLLO I 140 V



APOLLO I models are four- to six-plough bodied mounted reversible ploughs designed for tractors from 120 horsepower. Adjustment of plough bodies width is performed continuously by the Vario hydraulic system.

This plough is produced with maximum emphasis on strength and long service life which is incorporated into the structure of all its parts. The plough frame is constructed from a high-strength 140 x 140 x 10 mm square steel tube giving the plough stiffness and durability. APOLLO I 140 V ploughs are produced in two versions according to the spacing between the plough bodies, namely the APOLLO I V 140/90 and 140/100.

hydraulic system of plough body width regulation



✓ Basic equipment

- Modular system 4+1, 5+1
- Hydraulically adjustable width of plough bodies with a memory cylinder
- 80 cm underframe clearance
- Plough bodies including trashboards
- Knife coulters on the last pair of plough bodies
- Protection by shear bolt / spring mechanism / hydropneumatic system
- Rear reflective plates
- Suspension shaft cat. 3
- Frame profile 140 x 140 x 10 mm

+ Optional chargeable extras

- Disc coulters
- Skimmers
- Combined wheel
- Flotation tyre

Technical specifications	Unit	APOLLO I 140/90 V			APOLLO I 140/100 V		
		4	5	6	4	5	6
Number of plough bodies	pcs	4	5	6	4	5	6
Working width of one plough body	cm	30 – 53			30 – 55		
Total working width of the plough	cm	120 – 212	150 – 265	180 – 318	120 – 220	150 – 275	180 – 330
Clearance under the frame	cm	82			82		
Spacing between the plough bodies	cm	90			100		
Recommended working speed	km/h	7			7		
Plough weight **							
– shear bolt protection	kg	1690	1890	2120	1710	1920	2150
– spring mechanism protection	kg	1950	2240	2510	1980	2270	2540
Tractor output	hp	120 – 210	150 – 260	180 – 310	120 – 220	150 – 275	180 – 330

* The weight is only indicative and may vary according to the selected machine.

ORION I

PLOUGH / SEMI-MOUNTED

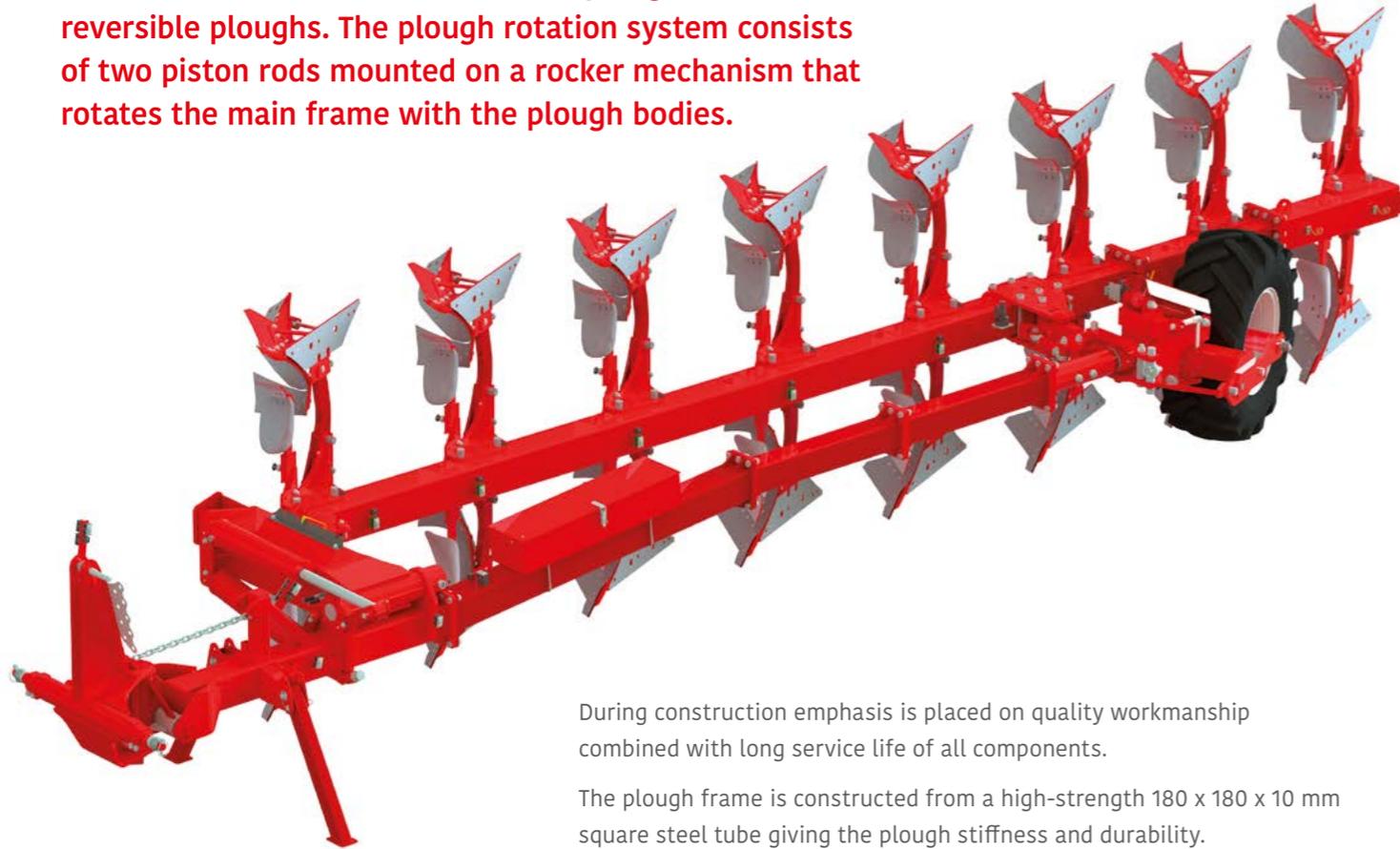
Ploughs with a unique modular frame system, allowing to change the number of plough bodies.



ORION I 180 models are semi-mounted ploughs produced with up to nine plough bodies. There is a possibility to add or take away plough bodies as needed thanks to the modular system. The plough can be used with tractors from 145 horsepower. The plough is equipped with a unique rotation system. Two piston rods mounted on a rocker mechanism rotate the main frame with the plough bodies.

ORION I 180

ORION I 180 models are five- to nine-plough bodied semi-mounted reversible ploughs. The plough rotation system consists of two piston rods mounted on a rocker mechanism that rotates the main frame with the plough bodies.



During construction emphasis is placed on quality workmanship combined with long service life of all components.

The plough frame is constructed from a high-strength 180 x 180 x 10 mm square steel tube giving the plough stiffness and durability.

ORION I rotation system



✓ Basic equipment

- Modular system 6+1+1+1 (on request 5+1+1+1+1)
- Rotation system with piston rods mounted on a rocker mechanism
- Hydraulically adjustable width of the 1st plough body
- Mechanically adjustable width of plough bodies in the range of 35-40-45 cm
- Shear bolt or spring mechanism protection
- Plough bodies with trashboards
- 80 cm underframe clearance
- Knife coulters on the last pair of plough bodies
- Hydraulic chassis suspension for transport
- Rear reflexive plates
- Suspension shaft cat. 3
- Frame profile 180 x 180 x 10 mm

+ Optional chargeable extras

- Flotation tyre 500/45-20
- Hydraulic turning of the supporting wheel
- Tractor traction control
- Hydraulic circuit divider
- Disc coulters
- Skimmers

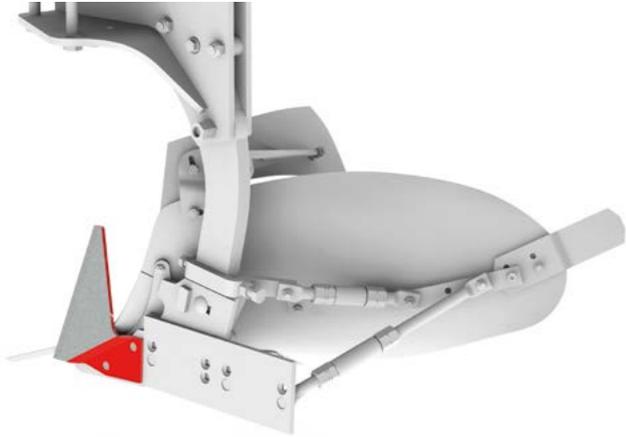
Technical specifications	Unit	ORION I 180				
		5	6	7	8	9*
Number of plough bodies	pcs	5	6	7	8	9*
Working width of one plough body	cm	35/40/45				
Total working width of the plough	cm	175/200/225	210/240/270	245/280/315	280/320/360	315/360/405
Clearance under the frame	cm	80				
Spacing between the plough bodies	cm	100				
Recommended working speed	km/h	7				
Plough weight **						
– shear bolt protection	kg	2790	3115	3440	3730	4055
– spring mechanism protection	kg	3065	3450	3835	4180	–
Tractor output	hp	145 – 180	175 – 230	215 – 270	240 – 320	270 – 380

* Only for option with shear bolt protection of the plough bodies.

** The weight is only indicative and may vary according to the selected machine.

KNIFE COULTER

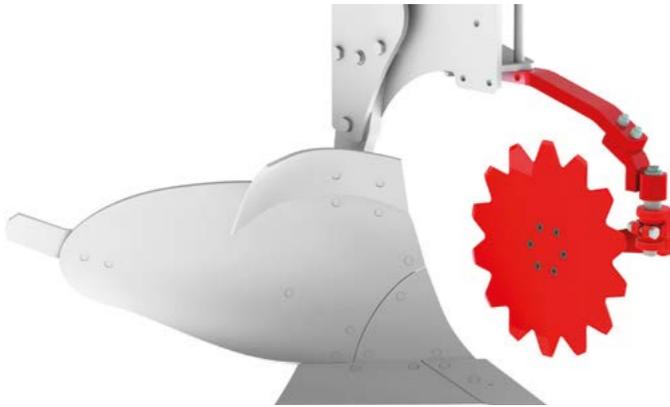
- can be used on all types of plough bodies
- reduces the wear of wearing spare parts, improves the work of plough bodies

**FURROW WIDENER**

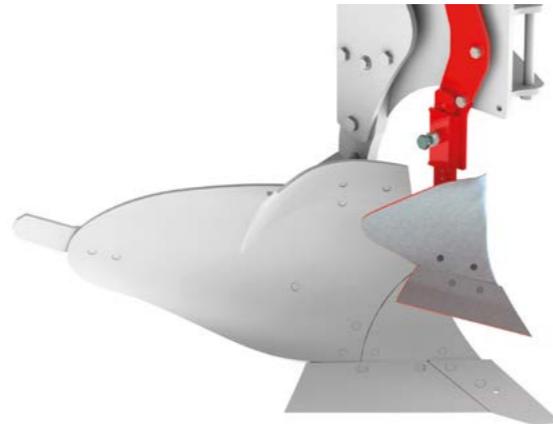
- serves to widen the furrow behind the plough
- it is suitable for tractors with tyre width of 710 mm or more

**DISC COULTER**

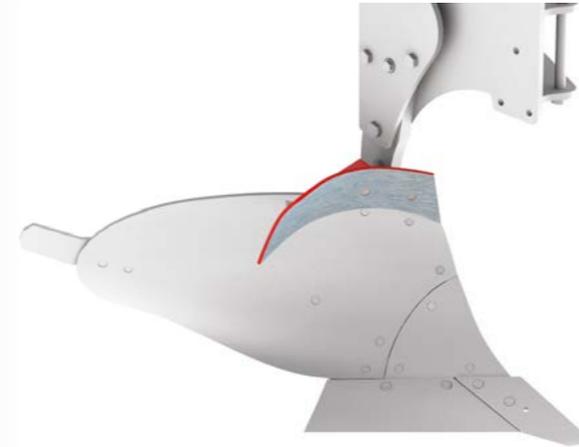
- is used to cut off the surface of the land in front of the the last plough body to achieve the straight furrow side

**SKIMMERS WITHOUT TRASHBOARDS**

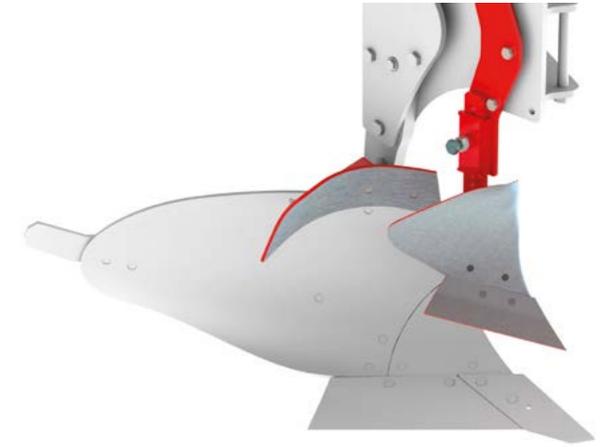
- ensure optimal cropping of plant residues on fields with large amounts of plant residues
- especially suitable for heavy soils

**TRASHBOARDS – BASIC EQUIPMENT**

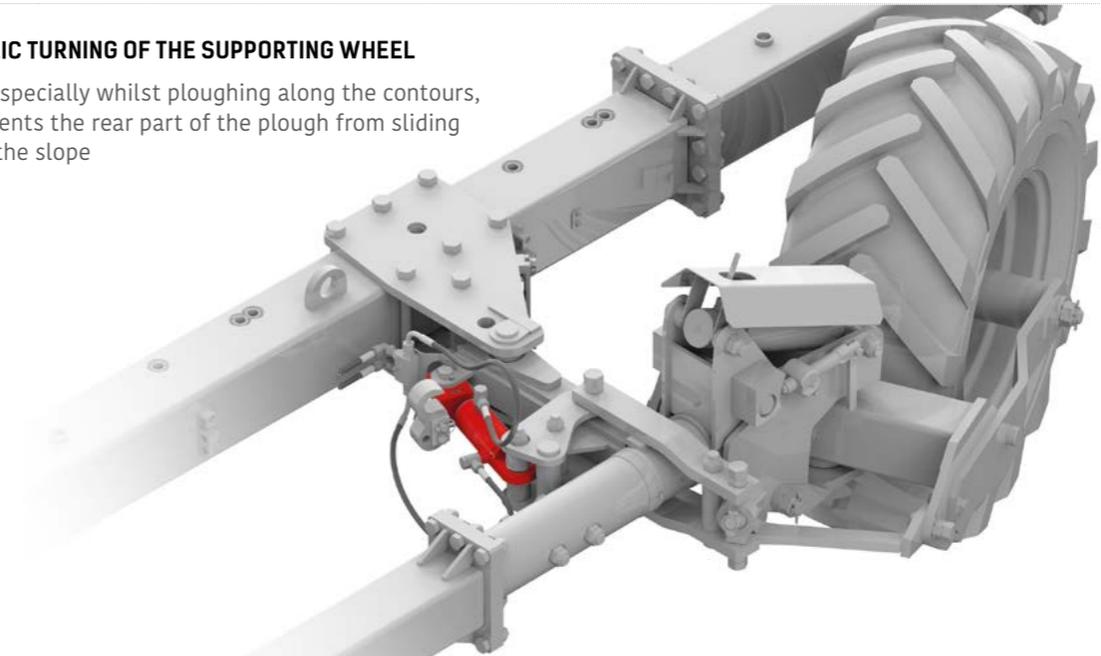
- ensure optimal cropping of plant residues

**SKIMMERS WITH TRASHBOARDS**

- this combination makes it possible to find the optimal solution for each field depending on the amount of plant residues

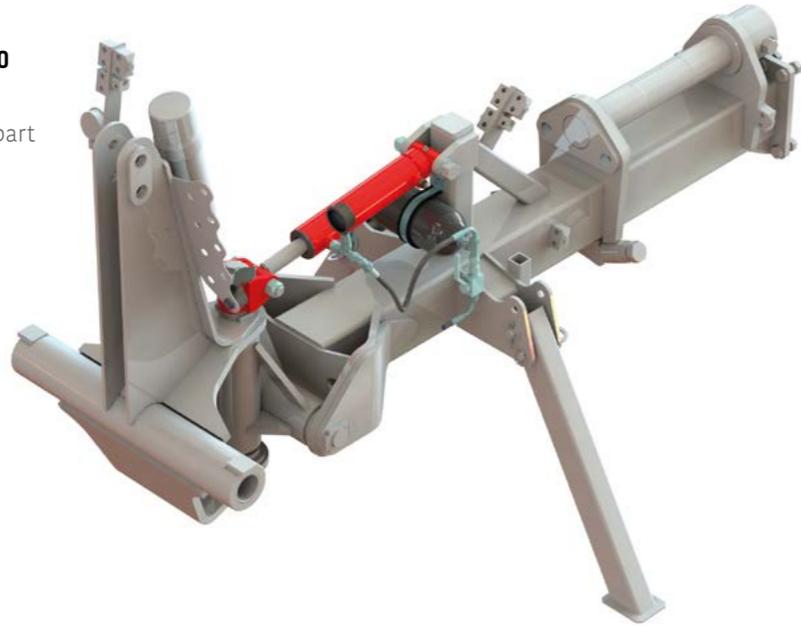
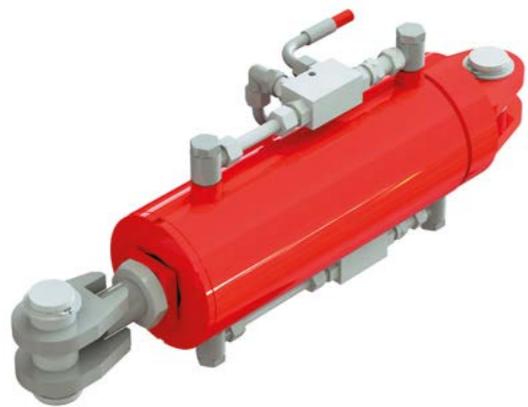
**HYDRAULIC TURNING OF THE SUPPORTING WHEEL**

- used especially whilst ploughing along the contours, it prevents the rear part of the plough from sliding down the slope



TRACTOR TRACTION CONTROL - ORION I 180

- a hydraulic circuit regulates back axle loading of the tractor by transferring a part of plough weight onto the tractor

**JUPITER II - DEPTH WHEEL****JUPITER II - COMBINED WHEEL****MEMORY CYLINDER - APOLLO I****MEMORY CYLINDER - JUPITER II****APOLLO I - DEPTH WHEEL****APOLLO I - COMBINED WHEEL**



Plough bodies

UN 350

UNIVERSAL PLOUGH BODY

DEPTH OF PLOUGHING:

- without skimmers 28 cm
- with skimmers 33 cm



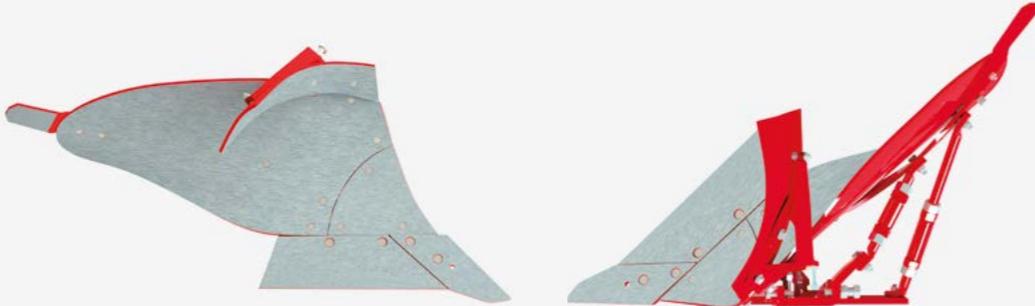
These plough bodies are intended especially for ploughing of light or medium soils but can also handle heavier crumbly soils. These bodies are recommended for medium depth ploughing.

UN 400

UNIVERSAL PLOUGH BODY

DEPTH OF PLOUGHING:

- without skimmers 32 cm
- with skimmers 36 cm



These plough bodies are intended especially for ploughing of light, medium and heavier crumbly soils. These bodies are recommended for medium ploughing with a ploughing depth greater than 25 cm.

PA 400

SLATTED PLOUGH BODY

DEPTH OF PLOUGHING:

- without skimmers 32 cm
- with skimmers 36 cm



These plough bodies are intended for ploughing of medium and heavier cohesive soils. These bodies are recommended for customers with more cohesive type of soils. These plough bodies are not suitable for light soils and soils with high proportion of stones.

KV 9

SEMI-HELICAL PLOUGH BODY

DEPTH OF PLOUGHING:

- without skimmers 28 cm
- with skimmers 33 cm



These plough bodies are intended for ploughing of medium, heavy and very heavy soils.

KV 28

SEMI-HELICAL PLOUGH BODY

DEPTH OF PLOUGHING:

- without skimmers 28 cm
- with skimmers 33 cm



These plough bodies are intended for ploughing of heavy and very heavy soils, they can also be used when using tyres wider than 710 mm.

SATURN IV

CULTIVATOR / COMBINED

Machines for precise seedbed preparation with emphasis on creating the right soil structure.



SATURN IV combined cultivators are examples of advanced technology for perfect pre-sowing soil preparation. A suitable combination of working bodies results in creating a uniform seedbed in just one crossing of the field. During working the accurate required depth of aerating is maintained which is especially necessary for shallow seedbed preparation, i.e.: for sugar beet or rapeseed. These are passive cultivators for complete seedbed preparation.



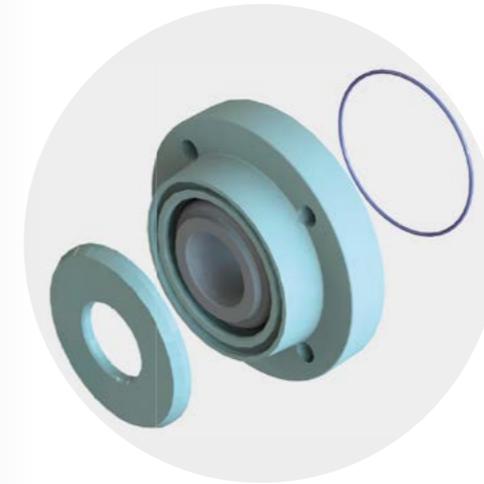
SATURN IV

SATURN IV combined cultivators are machines with a unique technology where the working parts are arranged in such a way as to create precise seedbed.

This ingenious concept is suitable for any type of soil thanks to a wide range of equipment and accessories. The SATURN IV is suitable for tractors from 74 horsepower thanks to its working widths starting at 3 m. Working widths of 3, 4, 5 and 6 m mean that this plough can be used on a wide range of outputs. Widths of 8 and 10 m can be found in the combination NEPTUN-SATURN IV.

According to individual variations of the working sections, working depths of 2 – 12 cm can be achieved.

bearing (on roller)



Basic equipment

- Working widths:
 - mounted machines: 3 • 4 m
 - semi-mounted machines: 3 • 4 • 5 • 6 m
- Eradicators
- 2 rows of flat bar supporting rollers with a diameter of 330 mm
- 2 rows of levelling bars behind crumbling rollers
- Loosening section according to the selected type: P, Pe, S, PR
- Double-row maintenance-free ball bearings
- Tyres for SATURN IV 3 and 4 m: 10.0/75 – 15.3
- Tyres for SATURN IV 5 and 6 m: 19.0./45 – 17
- Adjustment of the shares working depth by a crank
- Rear reflexive plates
- Suspension shaft

Optional chargeable extras

- Front drag bar
- Hydraulic release of the levelling bar
- Hydraulic adjustment of the shares working depth
- Flotation tyres for SATURN IV 3 and 4 – size 13.0/055 – 16

Technical specifications	Unit	SATURN IV							
		3 N	3 PN	4 N	4 N/H	4 PN	4 PN/H	5 PN/H	6 PN/H
Working width	m	3	3	4	4	4	4	5	6
Loosening depth	cm	2 – 12	2 – 12	2 – 12	2 – 12	2 – 12	2 – 12	2 – 12	2 – 12
Number of duckfoot shares	pcs	12+4	12+4	16+4	16+4	16+4	16+4	20+4	24+4
Number of points	pcs	36+4	36+4	48+4	48+4	48+4	48+4	60+4	72+4
Working speed	km/h	7 – 12	7 – 12	7 – 12	7 – 12	7 – 12	7 – 12	7 – 12	7 – 12
Transport width	m	3	3	4	3	4	3	3	3
Size of tyre / wheel		–	10,0/75 – 15,3	–	–	10,0/75 – 15,3	10,0/75 – 15,3	19,0/45 – 17	19,0/45 – 17
Weight*	kg	1835	2495	2315	2380	2920	2985	3825	4495
Tractor output	hp	74 – 110	74 – 110	100 – 130	100 – 130	100 – 130	100 – 130	125 – 160	150 – 190

N – mounted version, PN – semi-mounted version, H – hydraulically foldable to 3 m * valid for variant P (page 35) with crosskill roller



NEPTUN-SATURN IV

The NEPTUN-SATURN IV is suitable, thanks to working widths of 8 or 10 m, for tractors from 210 horsepower.

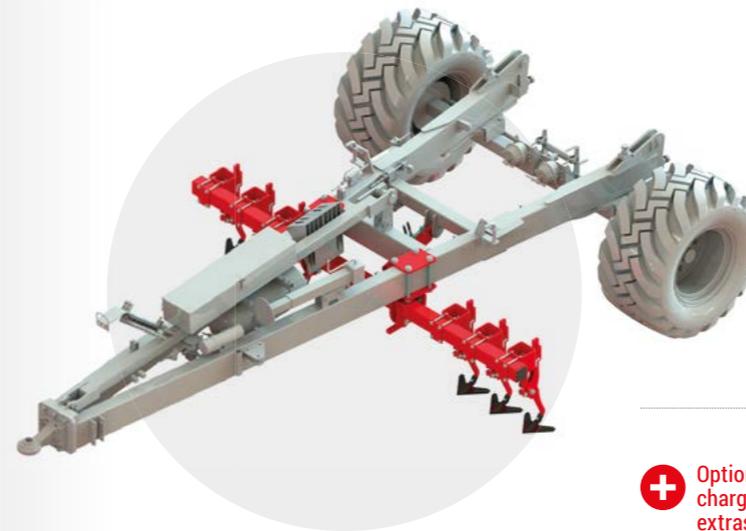
Universal tool carrier (chassis) NEPTUN is possible to connect with other machines, for example with discs harrows PEGAS II or tine cultivator MERKUR IV. According to the individual variants of the cultivating parts, a working depth of 2-12 cm can be achieved.

hydraulically foldable eradicators



Basic equipment

- Working widths of 8 • 10 m
- Eradicators
- 2 rows of flat bar supporting rollers with a diameter of 330 mm
- 2 rows of levelling bars behind crumbling rollers
- Loosening section according to the selected type: P, Pe, S, PR
- Double-row maintenance-free ball bearings
- Adjustment of the shares working depth by a crank
- Rear reflexive plates
- Hitch D51(39), K80



Optional chargeable extras

- Front drag bar
- Hydraulic release of the levelling bar
- Hydraulic adjustment of the shares working depth

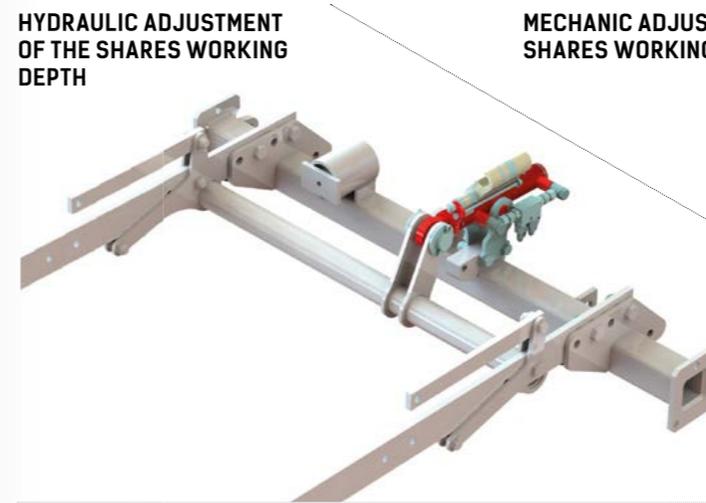
Technical specifications	Unit	NEPTUN-SATURN IV	
		8 PN/H	10 PN/H
Working width	m	8	10
Loosening depth	cm	2 – 12	2 – 12
Number of duckfoot shares	pcs	32+6	40+6
Number of points	pcs	96+6	120+6
Working speed	km/h	7 – 12	7 – 12
Transport width	m	3	3
Size of tyre / wheel		560/45 – 22,5	560/45 – 22,5
Weight*	kg	6960	8530
Tractor output	hp	210 – 260	250 – 320

N – mounted version, PN – semi-mounted version, H – hydraulically foldable to 3 m * valid for variant P (page 35) with crosskill roller

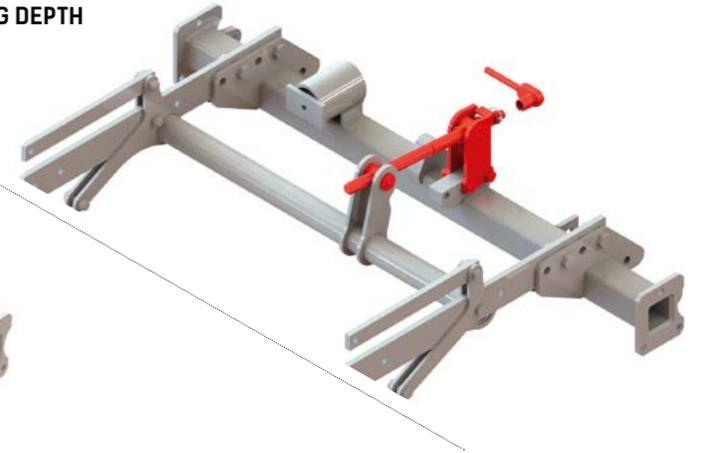
SIDE VIEW OF WORKING SECTION SATURN IV



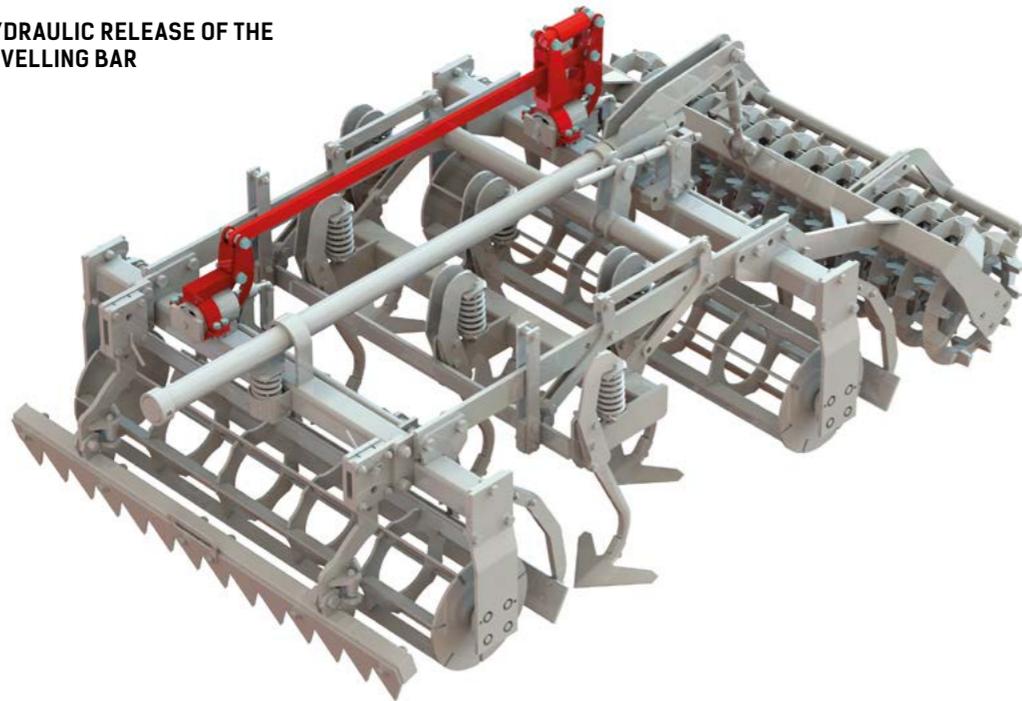
HYDRAULIC ADJUSTMENT OF THE SHARES WORKING DEPTH



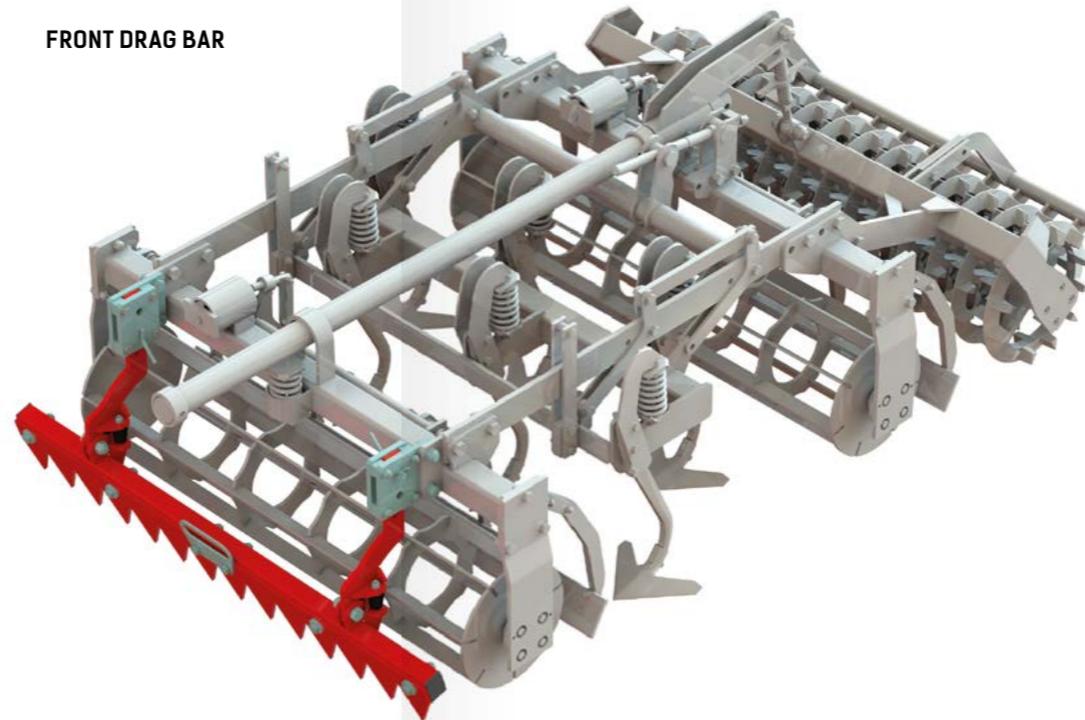
MECHANIC ADJUSTMENT OF THE SHARES WORKING DEPTH



HYDRAULIC RELEASE OF THE LEVELLING BAR



FRONT DRAG BAR



TYPES OF ERADICATORS

ERADICATOR WITH DUCKFOOT SHARE



ERADICATOR WITH POINT





TYPES OF WORKING SECTIONS, SUPPORTING ROLLERS AND ERADICATORS:

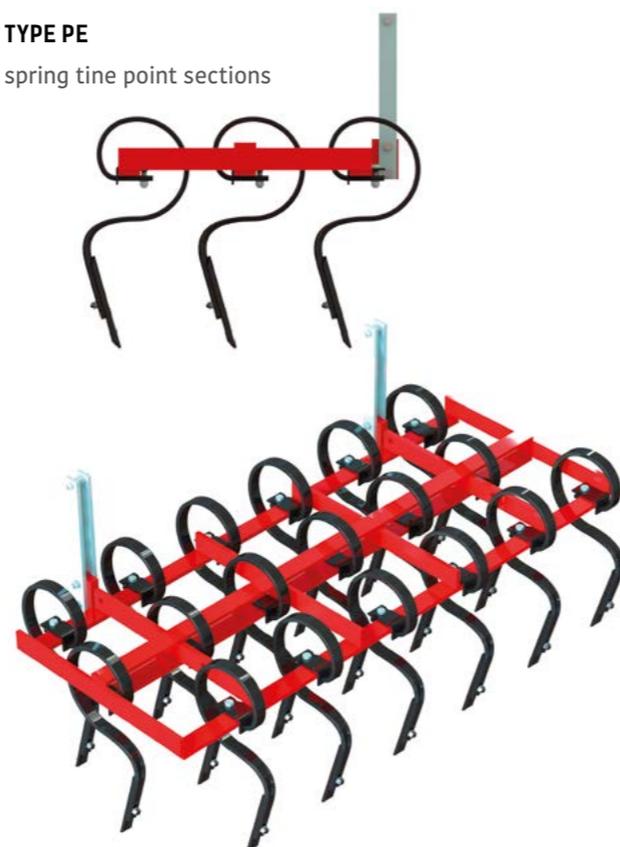
TYPE S

duckfoot shares sections protected by shear bolt



TYPE PE

spring tine point sections



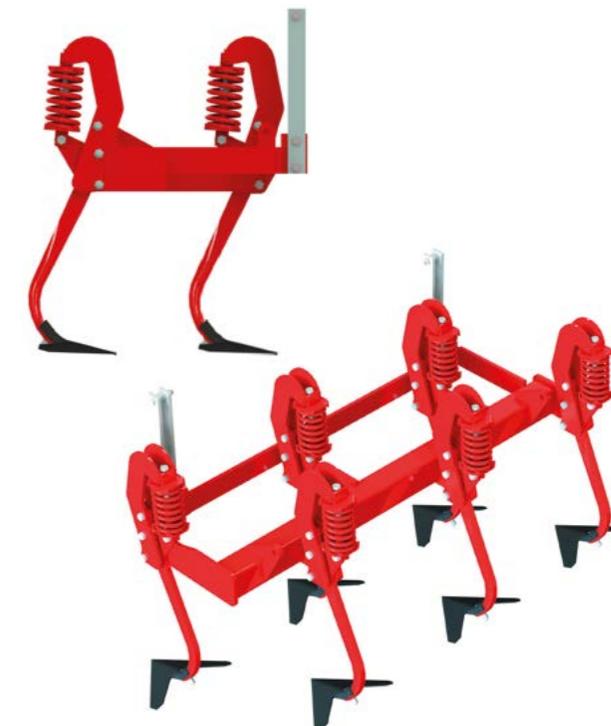
TYPE PR

spring tine duckfoot shares sections



TYPE P

duckfoot shares sections protected by spring mechanism



SUPPORTING ROLLERS

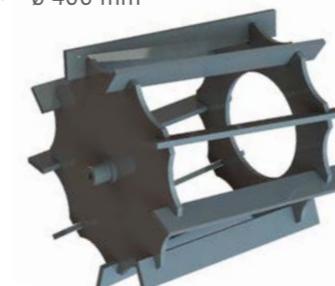
TUBE BAR SUPPORTING ROLLER

▶ ø 400 mm



FLAT BAR SUPPORTING ROLLER

▶ ø 400 mm



CROSSKILL SUPPORTING ROLLER

▶ ø 400 mm



PEGAS II

DISC HARROWS

Machines with a high quality of stubble cultivation combined with low tensile resistance.



PEGAS II disc harrows are universal tools for post-harvest treatment of soil by stubble cultivation; they can also be used in pre-sowing preparation. These disc harrows are available in both mounted and semi-mounted versions. Thanks to working widths from 3 m they are designed for tractors from 110 horsepower. Widths of 8 and 10 m can be found in the combination NEPTUN-PEGAS II.

The PEGAS II disc harrows are manufactured with rubber impact absorbers for protection of the discs and thanks to a 520 mm disc diameter they can process soil up to a depth of 12 cm.



PEGAS II

The PEGAS II disc harrows are universal tools for post-harvest treatment of the soil by stubble cultivation; they can also be used in pre-sowing preparation.

Thanks to working widths from 3 m they are designed for tractors from 110 horsepower. Widths of 8 and 10 m can be found in the combination NEPTUN-PEGAS II.

The PEGAS II disc harrows are manufactured with rubber impact absorbers for protection of the discs and thanks to a 520 mm disc diameter they can process soil up to a depth of 12 cm.

detail of working unit



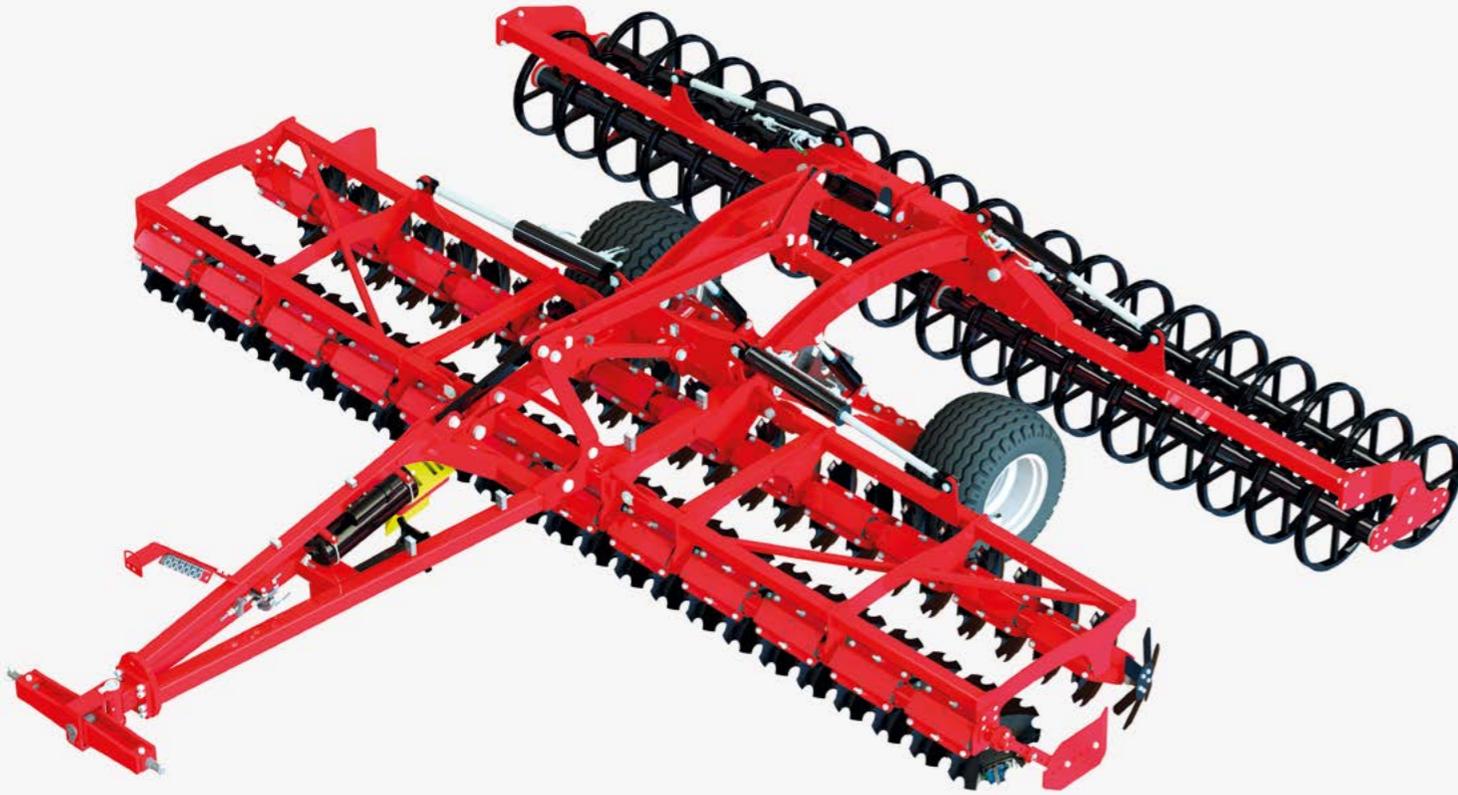
Basic equipment

- Mounted version
- Working widths of 3 • 4 • 5 • 6 m
- Two rows of 520 mm diameter discs
- Rubber impact absorbers secured against slide-out
- Double-row maintenance-free ball bearings
- ø 550 mm tube bar supporting roller
- Rear reflexive plates
- Hitch cat. 3

Optional chargeable extras

- Supporting rollers:
 - ▶ ø 600 mm cracker roller
 - ▶ ø 530 mm flex roller
 - ▶ ø 600 mm u-ring roller
 - ▶ ø 515 mm rubber roller
- Set of weights – 330 kg

Technical specifications	Unit	PEGAS II 3	PEGAS II 4	PEGAS II 5	PEGAS II 6
Working width	m	3	4	5	6
Transport width	m	3	3	3	3
Hydraulically foldable		no	yes	yes	yes
Number of discs	pcs	24	32	40	48
Disc diameter	mm	520	520	520	520
Tractor output	hp	110	150	190	230
Weight – without a set of weights	kg	1460 – 1610	2300 – 2530	2680 – 2960	3060 – 3380
Weight – with a set of weights	kg	1790 – 1940	2630 – 2860	3010 – 3290	3390 – 3710



PEGAS II SM

The PEGAS II disc harrows are universal tools for post-harvest treatment of the soil by stubble cultivation; they can also be used in pre-sowing preparation.

Thanks to working widths from 4 m they are designed for tractors from 150 horsepower. The PEGAS II disc harrows are manufactured with rubber impact absorbers for protection of the discs and thanks to a 520 mm disc diameter they can process soil up to a depth of 12 cm.

detail of bearing



✓ Basic equipment

- Semi-mounted version
- Working widths of 4 • 5 • 6 m
- Two rows of 520 mm diameter discs
- Rubber impact absorbers secured against slide-out
- Double-row maintenance-free ball bearings
- ø 550 mm tube bar supporting roller
- Rear reflexive plates

+ Optional chargeable extras

- Supporting rollers:
 - ▶ ø 600 mm cracker roller
 - ▶ ø 600 mm u-ring roller
 - ▶ ø 600 mm double u-ring roller
 - ▶ ø 515 mm rubber roller
 - ▶ the tube bar and flat bar rollers ø 400/400 mm

Technical specifications	Unit	PEGAS II SM		
		4 m	5 m	6 m
Working width	m	4	5	6
Transport width	m	3	3	3
Hydraulically foldable		yes	yes	yes
number of discs	pcs	32	40	48
Disc diameter	mm	520	520	520
Tractor output	hp	150 – 170	190 – 210	230 – 250
Weight	kg	3370 – 3520	3790 – 3940	4290 – 4440



NEPTUN-PEGAS II

The NEPTUN-PEGAS II disc harrows are universal tools for post-harvest treatment of the soil by stubble cultivation; they can also be used in pre-sowing preparation.

Thanks to 8 and 10 m working widths they are designed for tractors from 300 horsepower.

It is possible to connect the universal NEPTUN tool carrier (chassis) with other machines, such as the SATURN IV combined cultivator or MERKUR IV tine cultivator. The NEPTUN-PEGAS II disc harrows are manufactured with rubber impact absorbers for protection of the discs and thanks to a 520 mm disc diameter they can process soil up to a depth of 12 cm.

detail of bearing



✓ Basic equipment

- Semi-mounted version
- Working widths of 8 • 10 m
- Two rows of 520 mm diameter discs
- Rubber impact absorbers secured against slide-out
- Double-row maintenance-free ball bearings
- ø 550 mm tube bar supporting roller
- Dual circuit air brakes
- Rear reflexive plates
- Hitch D51(39), K80

+ Optional chargeable extras

- Supporting rollers:
 - ▶ ø 600 mm cracker roller
 - ▶ ø 530 mm flex roller
 - ▶ ø 600 mm double u-ring roller
 - ▶ ø 515 mm rubber roller
 - ▶ the tube bar and flat bar rollers ø 400/400 mm
 - ▶ ø 600 mm u-ring roller
- Set of weights - 660 kg

Technical specifications	Unit	NEPTUN-PEGAS II 8	NEPTUN-PEGAS II 10
Working width	m	8	10
Transport width		yes	yes
Hydraulically foldable	pcs	64	80
Number of tines	mm	520	520
Tractor output	hp	300 – 380	360 – 460
Weight	kg	6750	7560



The NEPTUN-MERKUR IV cultivator is designed for soil cultivation after the harvesting of cereals and preparation for harvesting of the intercrop. It is also suitable after harvesting sugar beet, corn and pre-crops when there is not enough time for classic ploughing.

After harvesting it is used for stubble cultivation, ploughing in manure, straw and green fertilizers.

It is possible to connect the NEPTUN universal tool carrier (chassis) with other machines such as the SATURN IV combined cultivator or PEGAS II disc harrows.

The NEPTUN-MERKUR IV processes the soil within the depth range of 8 - 18 cm.

NEPTUN-MERKUR IV

CULTIVATOR / TINE

Field harvesting machine, especially suitable for stubble cultivation.



NEPTUN-MERKUR IV

The NEPTUN-MERKUR IV cultivator is designed for soil cultivation after the harvesting of cereals and preparation for harvesting of the intercrop.

It is also suitable after harvesting sugar beet, corn and pre-crops when there is not enough time for classic ploughing. After harvesting it is used for stubble cultivation, ploughing in manure, straw and green fertilizers. It is possible to connect the NEPTUN universal tool carrier (chassis) with other machines such as the SATURN IV combined cultivator or PEGAS II disc harrows. The NEPTUN-MERKUR IV processes the soil within the depth range of 8 - 18 cm.

detail of working unit



✓ Basic equipment

- Semi-mounted version
- Working width of 8 m
- Shear bolt or spring mechanism protection
- Two rows of duckfoot shares
- 80 cm underframe clearance
- ø 465 mm turning and mixing discs
- ø 550 mm tube bar supporting roller
- Rear reflexive plates
- Hitch D51(39), K80

+ Optional chargeable extras

- Supporting rollers:
 - ø 600 mm cracker roller
 - ø 530 mm flex roller
 - the tube bar and flat bar rollers ø 400/400 mm

Technical specifications	Unit	NEPTUN-MERKUR IV
Working width	m	8
Transport width		yes
Hydraulically foldable	pcs	18
Number of tines	pcs	19
Tractor output	hp	280
Weight	kg	5470

TRITON II

CULTIVATOR / TINE

**Versatile soil loosening machine for
different topsoil depths.**



The three-row tine cultivator TRITON II is designed for a wide range of working operations from stubble cultivation to deep loosening. Variable tines allow the soil to be processed at different depths with varying intensity of soil loosening. The TRITON processes the soil in the depth range of 8 - 28 cm.



TRITON II

The three-row tine cultivator TRITON II is designed for a wide range of working operations from stubble cultivation to deep loosening.

Variable tines allow the soil to be processed at different depths with varying intensity of soil loosening. The TRITON processes the soil in the depth range of 8 – 28 cm.

detail of tine with carbide point



Basic equipment

- Mounted version
- Working widths of 3 • 4 m
- Shear bolt or spring mechanism protection
- 3 rows of tines with duckfoot shares
- Mixing levelling discs behind the duckfoot shares
- Hydraulic working depth adjustment
- ø 550 mm tube bar supporting roller
- Double-row maintenance-free ball bearings of supporting roller
- Rear reflexive plates
- Hitch cat. ¾

Optional chargeable extras

- Supporting rollers:
 - ø 600 mm cracker roller

Technical specifications	Unit	TRITON II 3	TRITON II 4
Working width	m	3	4
Transport width	m	3	3
Hydraulically foldable		no	yes
Number of tines	pcs	10	13
Tractor output	hp	140 – 210	180 – 280
Weight	kg	1970	2820





The HEKTOR is a machine designed for deep tillage of the topsoil and subsoil to a depth of 45 cm. The subsoiler is suitable as an alternative to ploughing or any other cultivation technology. Firstly, the subsoiler gradually lifts the soil, contributing to the cracking of the processed layer, and then the layer of soil is subsequently forced down by the rollers. The soil is aerated through this process, but its original structure is retained at the same time. Infertile layers of the soil and stones are not lifted to the surface of the field.

HEKTOR I

SUBSOILER

A unique deep soil cultivator that aerates the soil without mixing the soil layers.

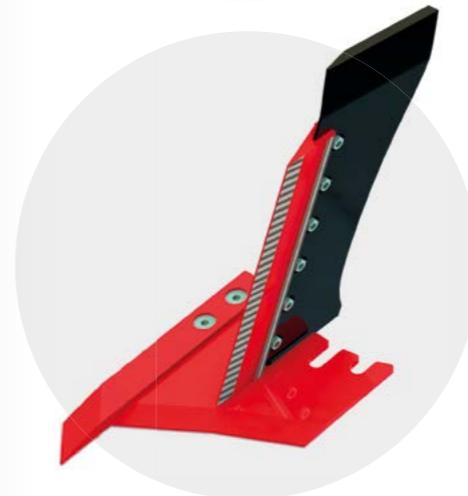


HEKTOR I

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detail of working unit



Basic equipment

- Mounted version
- Working widths of 2.5 • 3 • 4 m
- Shear bolt or hydropneumatic protection system
- Adjustment of the hydropneumatic system working pressure from the driver's seat
- Hydraulic working depth adjustment
- ø 600 mm tube bar supporting roller
- Double-row maintenance-free ball bearings of supporting roller
- Rear reflexive plates
- Hitch cat. ¾

Optional chargeable extras

- Supporting rollers:
 - ▶ ø 600 mm cracker roller
 - ▶ ø 540 mm spiked roller
 - ▶ ø 515 mm rubber roller

Technical specifications	Unit	HEKTOR 2,5	HEKTOR 3	HEKTOR 4
Length	cm	230	230	230
Width	cm	250	300	400
Number of tines	pcs	3	4	6
Tractor output	hp	170 – 280	200 – 360	230 – 400
Weight	kg	1163 – 1400	1345 – 1700	2250



Award
TECHAGRO
2018



Award
AGROSALÓN
2019

CRACKER SUPPORTING ROLLER

▶ ø 600 mm



FLEX SUPPORTING ROLLER

▶ ø 530 mm



SPIKED SUPPORTING ROLLER

▶ ø 540 mm



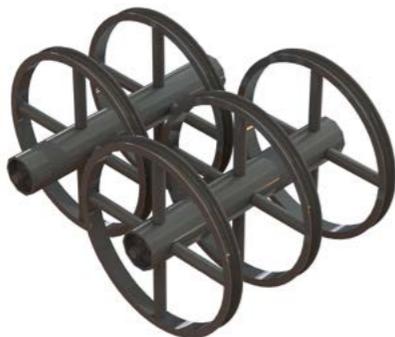
U-RING SUPPORTING ROLLER

▶ ø 600 mm



DOUBLE U-RING SUPPORTING ROLLER

▶ ø 600 mm



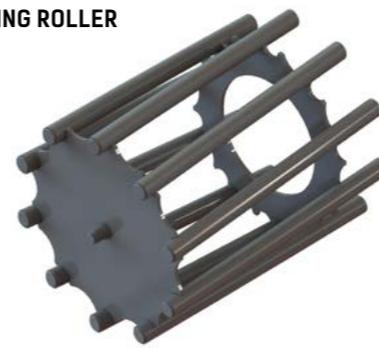
RUBBER SUPPORTING ROLLER

▶ ø 515 mm



TUBE BAR SUPPORTING ROLLER

▶ ø 550 mm
▶ ø 600 mm



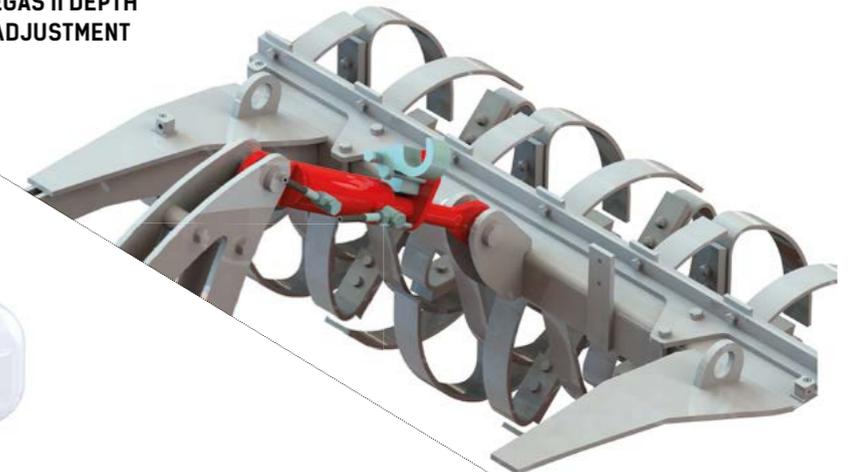
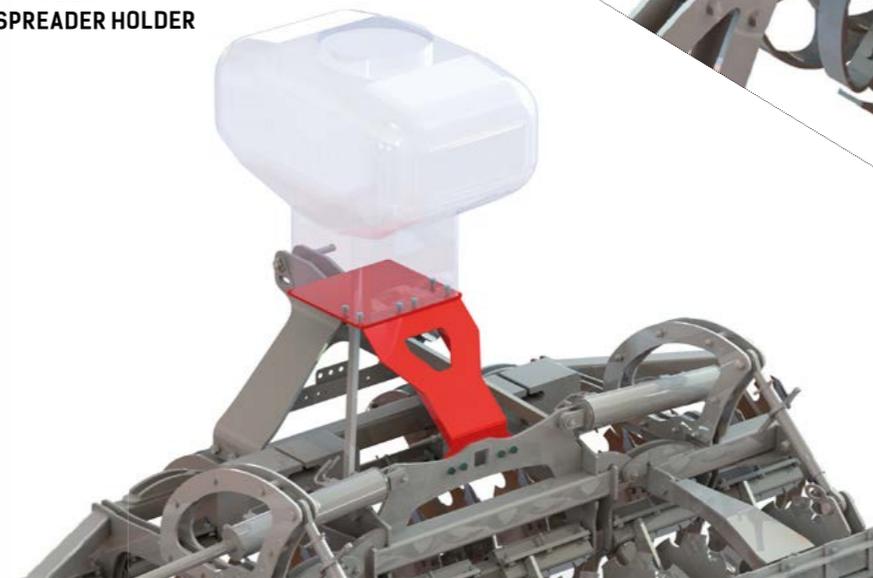
THE TUBE BAR AND FLAT BAR SUPPORTING ROLLERS

▶ ø 400/400 mm



DETAIL OF PEGAS II DEPTH HYDRAULIC ADJUSTMENT

APV SEED SPREADER HOLDER





VEGA II Cambridge rollers can be used to press the soil after sowing, if using spring levelling tines (crossboard) the machine can also be used to level the rough furrow for soil preparation before sowing. The large diameter of the rollers combined with the quality of cast iron ensures a long service life and a high utility value.

VEGA II

CAMBRIDGE ROLLERS

The rollers can be either used as machines for rolling of the soil after sowing, levelling of the land by using a crossboard or for pre-sowing preparation.



VEGA II

VEGA II Cambridge rollers can be used to press the soil after sowing, if using spring levelling tines (crossboard) the machine can also be used to level the rough furrow for soil preparation before sowing.

The large diameter of the rollers combined with the quality of cast iron ensures a long service life and a high utility value. VEGA II is characterized by a comfortable, fully hydraulically controlled folding* into and out of the working position. The machines are manufactured in working widths of 3**, 6.3 and 8.3 m and can also be equipped with a seed spreader for intercropping.

* Except VEGA II 3.

** In the 3 m range the machine cannot be fitted with the seed spreader for intercropping.

detail of tamping roller part



✓ Basic equipment

- Working widths 3 / 6.3 / 8.3
- Cast-iron cambridge rollers
- Fully hydraulically foldable
- Cast-iron wheels:
 - ▶ 5 spoke wheel with reinforced profile
 - ▶ smooth wheel 530 mm, toothed wheel 550 mm
 - ▶ cast-iron GG25, shaft diameter 65 mm
- Can be combined with the crossboard flexible levelling tines
- Lighting

+ Optional chargeable extras

- Crossboard
- APV seed spreader holder
- ø 560 mm smooth roller

Technical specifications	Unit	VEGA II 3 mounted	VEGA II 6,3	VEGA II 6,3 crossboard	VEGA II 8,3	VEGA II 8,3 crossboard
Working width	m	3	6,3	6,3	8,3	8,3
Tractor output	hp	50	80	120	120	150
Weight	kg	1250	3400	3900	4450	5100





SPARE PARTS

OPaLL-AGRI, s. r. o. is a traditional manufacturer of consumable spare parts. Many years of experience, high quality workshop equipment and application of material refining technology allows us to offer products with top parameters.

Our production portfolio includes consumable spare parts for land cultivating machines of various types and brands, particularly for ploughs, tine cultivators and many others.

Our pro-active business approach enables us to offer also spare parts for other machines from your fleet – always at favourable prices and with short delivery times.



www.opall-agri.cz/e-shop

OPaLL-AGRI MACHINES

Type	Name	Generation	Frame profile	Spacing between plough bodies	No. of working units	Type of protection	Width adjustment	Type of transport
Mounted plough	JUPITER	II	120	90	3 4	P S	M	N
			120	100	3 4	P S	M	N
			140	90	4 5	P S	M	N
			140	100	4 5	P S	M	N
	APOLLO	I	140	90	4 5 6	P S	M V	N
			140	100	4 5 6	P S	M V	N
	URSA	I	100	90	2 3	S	M	N
Semi-mounted plough	ORION	I	180	100	5 6 7 8	P S	M	PN
					9	S	M	PN
	ORION	II	180	100	6 7 8 9	P S HP	M V	PN
Pracovní záběr								
Combinated cultivator	SATURN	IV			3 4	P S Pe Pr		N
	SATURN	IV			3 4 5 6	P S Pe Pr		PN
	NEPTUN-SATURN	IV			8 10	P S Pe Pr		PN
Disc harrows	PEGAS	II			3 4 5 6			N
	PEGAS	II			4 5 6			PN
	NEPTUN-PEGAS	II			8 10			PN
Tine cultivator	TRITON	II			3 4	P S		N
	TRITON	II			4 5 6	P S		PN
	NEPTUN-MERKUR	IV			8	S		PN
Subsoiler	HEKTOR	I			2,5 3 4	S HP		N
Cambridge rollers	VEGA	II			3			N
					6,3 8,3			PN

P spring mechanism

S shear bolt

HP hydropneumatical

Pe spring tine point sections

PR spring tine duckfoot shares sections

M mechanical

V vario

N mounted

PN semi-mounted



EUROPEAN UNION
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