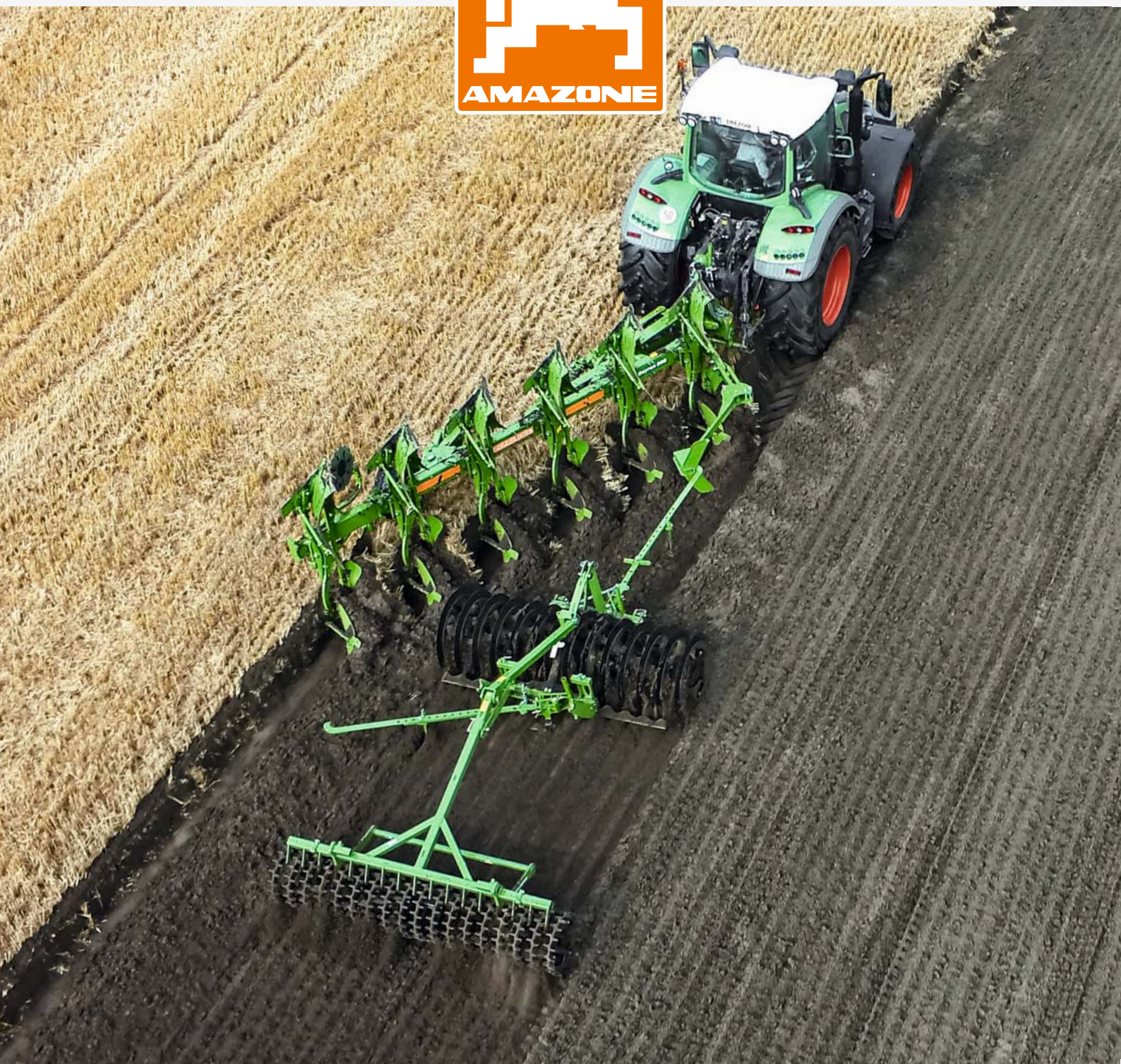
AMAZONE

Cayros
Cayron
C-Pack



AMAZONE mounted reversible ploughs

SPEED tilling

Ploughing technology from AMAZONE

High-quality, reliable, comfortable!

Ploughs for successful crop establishment

Ploughing today

The plough is symbolic in agriculture. Alongside crop establishment, fertilisation and crop protection, soil tillage plays a major role in the success of arable farming and it is this sustainability and a more efficient level of operation that will be the decisive factors by which agronomical systems will be judged in the future.

The desire to maintain a sustainable soil structure, to increase productivity and, above all, to achieve higher profitability lies behind the design. The use of modern ploughs, alongside conservation tillage techniques and alternative sowing systems, remains at the forefront when it comes to improved yields and thus the success of any soil tillage operation.

AMAZONE ploughs are characterised by their robust technology, an excellent quality of work, optimal adaptation to local conditions and thus offer the highest possible cost-effectiveness.

The advantages:

- Individual matching of the plough to suit any application
- Simple adjustment and comfortable operation
- Long lifespan thanks to the robust construction

Utilising the right technique is crucial

It is not just the philosophy but the correct choice of any soil tillage technique that is crucial to success. Conventional sowing systems that are based on the use of the plough are still widespread. As a result of this and due to ever-changing parameters such as commodity prices, energy production, reduction in areas of fallow, etc., many farms practice both conventional and mulch sowing methods alongside each other.

An overview of the advantages of conventional soil tillage that are relevant in practice:

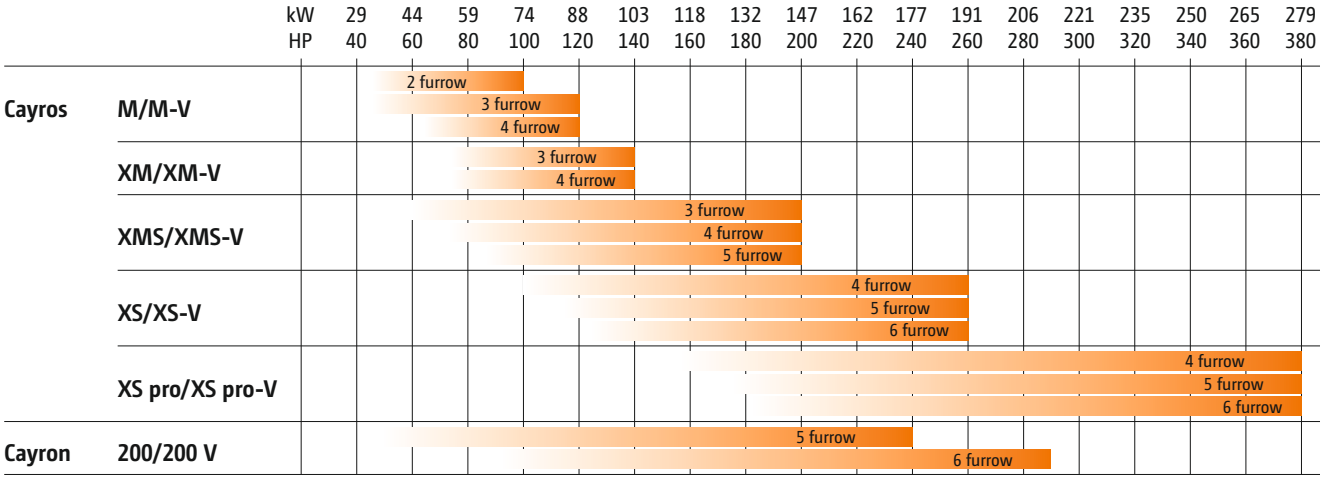
- Effective weed control via mechanical means by light deprivation, effective control around field borders (especially in areas with small field sizes and where there is a constant exposure to winds and so the timely use of complete herbicides is often not possible)
- Quicker soil warming and better soil aeration for increased yields in crops demanding higher soil temperatures
- The only soil tillage option in constantly wet conditions
- Reduced risk of disease carryover into the following crop such as fusarium spores through the complete inversion of the previous crop residues, therefore resulting in lower mycotoxin levels in the harvested grain
- Accelerates the microbial activity in the soil by oxygen enrichment
- Mechanical control of UV light sensitive soil pests
- Mechanical control of slugs and mice through the breakdown of the “green bridge”

The AMAZONE plough range

Cayros	Cayros M	Cayros XM	Cayros XMS	Cayros XS	Cayros XS pro	Cayron 200
No. of furrows						
2 furrow	•					
3 furrow	•	•	•			
4 furrow	•	•	•	•	•	
5 furrow			•	•	•	•
6 furrow				•	•	•
Working width adjustment						
mechanical	•	•	•	•	•	•
hydraulic	•	•	•	•	•	•
Stone protection system						
Shear bolt	•	•	•	•	•	•
Coil spring, semi-automatic	•					
Hydraulic, fully-automatic	•	•	•	•	•	

All specifications and technical data are subject to change.

Which plough for which tractor?



Ploughing technology from AMAZONE

Switch to GREEN

Quality is our philosophy

For AMAZONE ploughs, quality comes first. This means choosing the best materials, ensuring an optimal preparation for and implementation of the manufacturing process.

Comprehensive quality control for parts under the most stress (lower link cross shaft, turnover shaft) and important components (leg, leg carrier, etc.) during production

- Every part is individually checked, guaranteeing the highest quality right down to the smallest detail

Metal cutting via computer-controlled processing centres after hardening means that there are no delays caused by the need for any subsequent hardening

- Highest possible precision for all parts, long service life and accurate ploughing

Significantly fewer welded joints, use of hot-pressed parts

- Improved strength, longer service life, lighter weight, more aesthetically pleasing

Individual parts primed before assembly, basecoat also applied between flanges

- Optimum rust protection – highest resale value

Extensive plough body range

The right body makes the difference

The plough body is at the heart of any plough and is first in line when it comes to quality of work and is responsible for an effective operation of the plough.

Clean, efficient incorporation of those crop residues, even under the most arduous of conditions, such as, for example, in maize stubble, is just one of the quality criteria. But even other challenges, for instance when operating on sloping ground, are also mastered with alacrity.

Cayros

©plus-hardening process

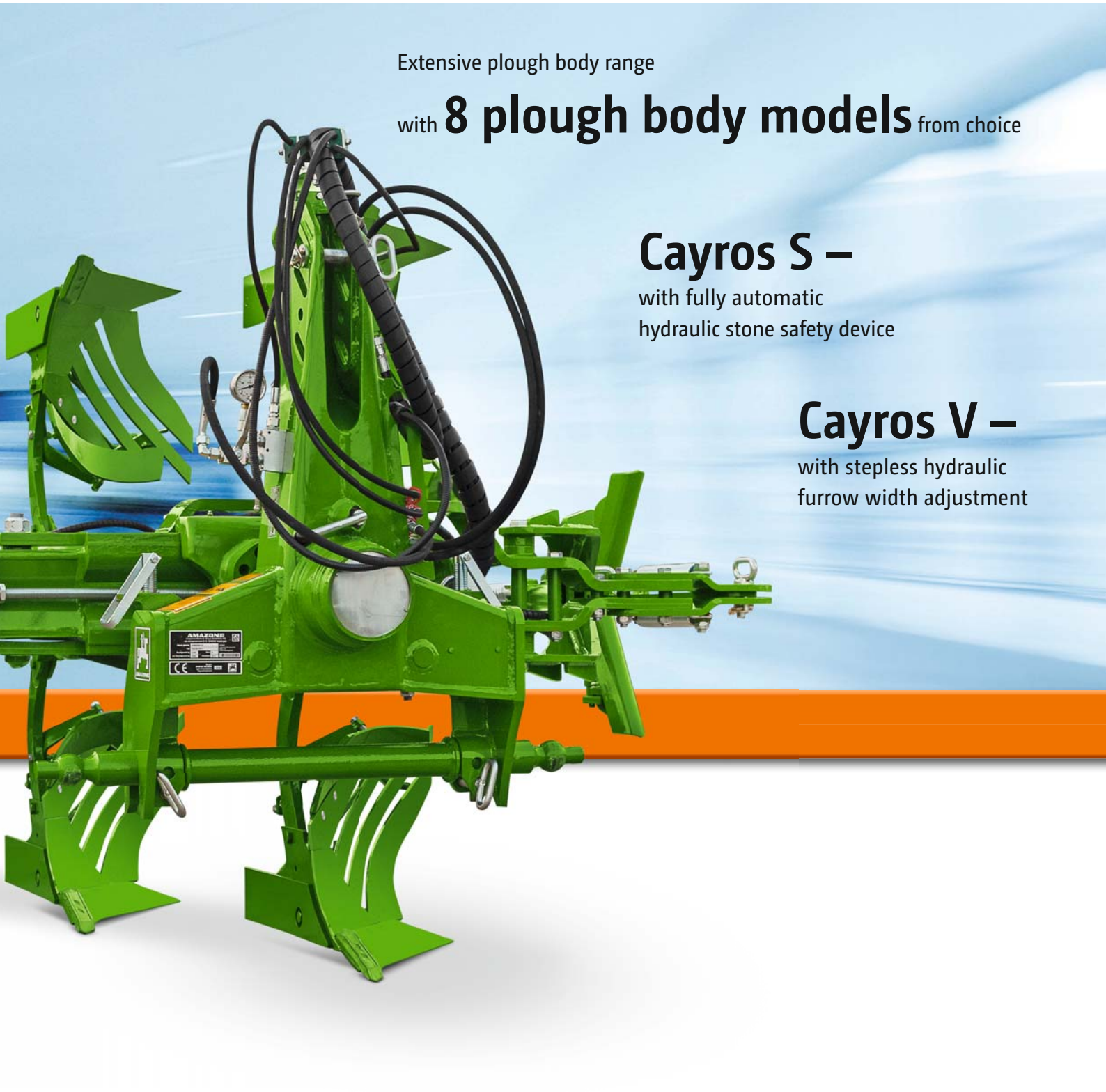
for long-lasting wear parts

With **2 furrows** from 50 HP

to **6 furrows** and maximum of 380 HP

The top benefits

- Easy pulling. from 2 to 6 furrows, for tractor capacities from 50 HP up to a maximum of 380 HP
- The unique ©plus hardening process guarantees a very hard and smooth surface resulting in excellent wear properties.
- Robust beam with thick walls, without welding seams
- Easy setting and comfortable operation
- Quick coupling and swing damping lower link cross shaft with integrated hitch balls
- Highly-individual configuration of the plough to the suit any demand
- As the Cayros S, with fully automatic hydraulic stone safety device
- Or as the Cayros V, with stepless hydraulic furrow width adjustment
- Versatile plough body programme for the most differing of conditions
- A choice of three systems for overload safety devices



Extensive plough body range

with **8 plough body models** from choice

Cayros S –

with fully automatic
hydraulic stone safety device

Cayros V –

with stepless hydraulic
furrow width adjustment

The Cayros M, XM, XMS, XS and XS pro mounted reversible ploughs are available in 2 to 6 furrows for tractors from 50 to 380 HP. All Cayros ploughs feature, as standard, a stone safety device with shear bolts and a mechanical furrow width adjustment in four steps. As a special option, the Cayros S version is available with fully automatic hydraulic stone safety device and the Cayros V with hydraulic furrow width adjustment.

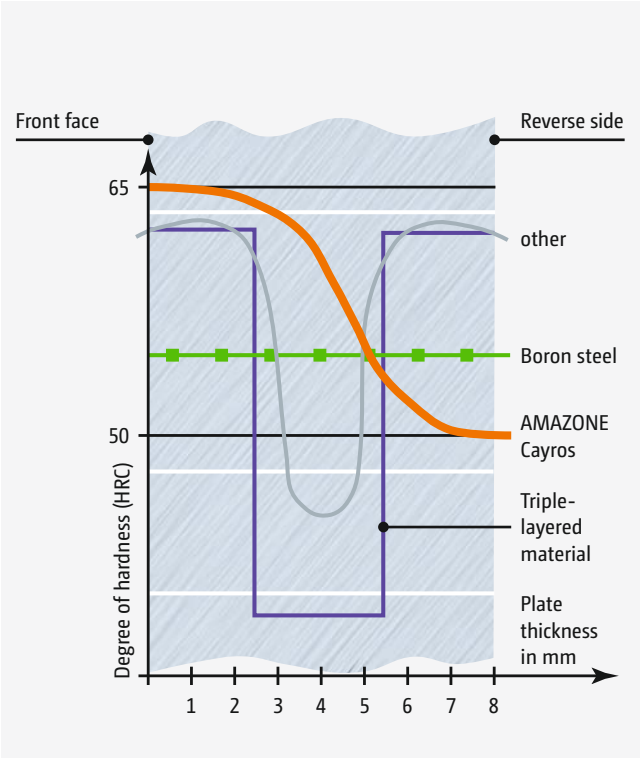
FOR FURTHER INFORMATION
www.amazone.net/cayros

©plus hardening process

First-class quality for long-lasting wear parts

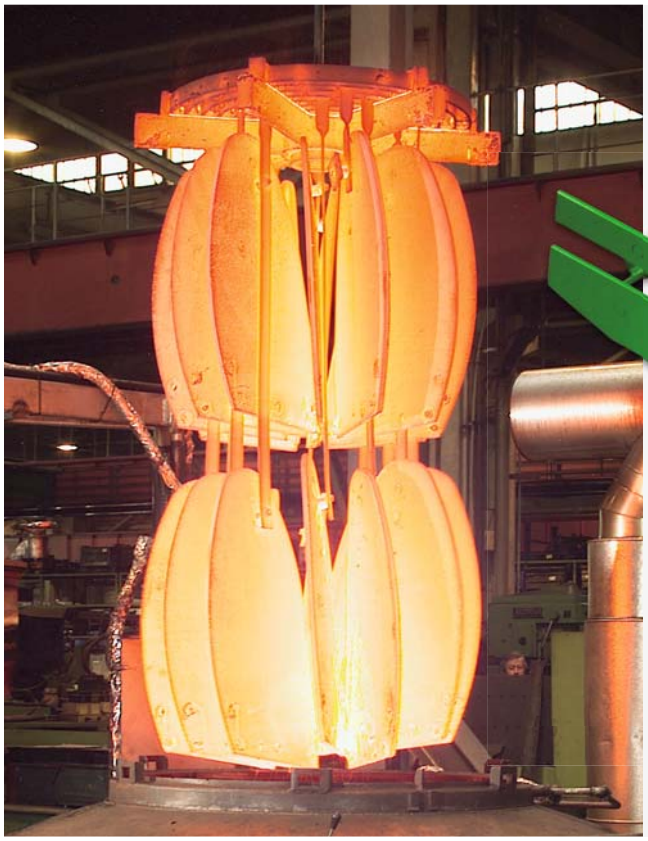
As manufacturers of wearing parts for the soil tillage industry, AMAZONE can look back on a history spanning decades. Continuous advancements in materials and production techniques, as well as our know-how in heat treatment, lies behind the plough wear metal parts of the highest quality.

Carbon in its purest form, diamond, is the hardest material nature has to offer. A hardening process involving the introduction of carbon into the steel is used to increase the hardness and durability of ©plus wear parts. AMAZONE achieves, through this unique hardening process, an extremely high level of hardness on the face of parts such as mouldboards and so offers the optimum wear resistance. The reverse side remains relatively soft but at the same time extremely tough and impact resistant.



This results in unique ©plus advantages:

- Longer service life
- High impact resistance
- Less pulling power requirement
- Reduced fuel consumption
- Less sticking to the smoother outer surface



Cayros M

Cayros M 950 4 furrow

The universal middle-class plough

The features:

- 2, 3 or 4 furrow
- For tractors up to 120 HP/88 kW
- 80 mm diameter turnover shaft and adjustable taper roller bearings:
  – Standard on ploughs with shear bolt and stepped furrow width adjustment
- 90 mm diameter turnover shaft:
  – Standard on ploughs with the S stone safety device and/or the V furrow with adjustment
  – optional for ploughs with shear bolt and stepped furrow width adjustment
- Strong beam dimensions 120 x 100 x 8 mm
- Furrow width adjustment is standard (4 steps) or, as an option, can also be steplessly adjusted hydraulically
- Stone protection via shear bolt or, from choice, with either a semi-automatic coil spring system or automatic hydraulic NonStop stone safety release
- Choice of 2 interbody clearances
- Double-acting automatic turnover cylinder as standard (can be operated with single-acting spool valve and a pressure-free return) or, from choice, also with an automatic swivel mechanism (memory cylinder)

The Cayros M is a universally-usable plough for a wide range of tractor sizes up to 120 HP/88 kW. With a comfortable setting centre and a flexible list of optional extras the plough is at home on both the smaller and medium sized enterprises.

Cayros M models: overview

	No. of furrows	Body to body clearance (cm)	Beam height (cm)	Working width (cm)	
				mechanical	hydraulic
Cayros M	2	95/102	78	36/40/44/48	–
With shear bolt protection or semi-automatic	3	95/102	78	36/40/44/48	32 – 52
	4	95/102	78	36/40/44/48	32 – 52
Cayros M-S	2	85/95/102	78	36/40/44/48 [2)]	–
With automatic, hydraulic NonStop stone protection	3	85 [1)]/95/102	78	36/40/44/48 [2)]	32 – 52
	4	85/95	78	36/40/44/48 [2)]	–

[1)] Body clearance not possible on Cayros V [2)] With 85 cm body clearance, furrow width 32/36/40/44 cm

Cayros XM

Cayros XM 1050 V 4 furrow

The middle-weight all-rounder

The features:

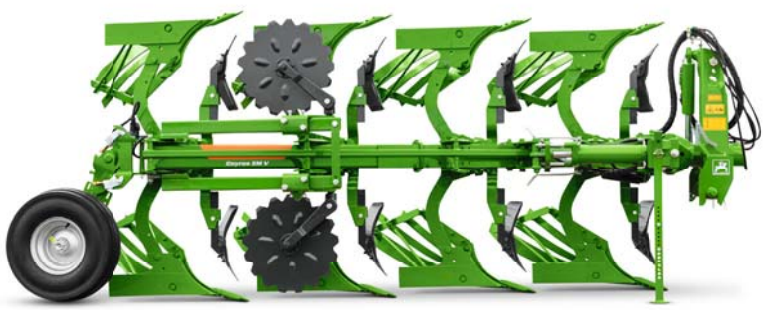
- 3 or 4 furrow
- For tractors up to 140 HP/103 kW
- 90 mm diameter turnover shaft and adjustable taper roller bearings
- Strong beam dimensions 150 x 100 x 8 mm
- Standard furrow width adjustment (4 step) or, as an option, can also be steplessly adjusted hydraulically
- Stone protection via shear bolt or, from choice, automatic, hydraulic NonStop stone release system
- Choice of 3 interbody clearances (depending on model)
- Double-acting automatic turnover cylinder as standard (can be operated with single-acting spool valve and a pressure-free return) or, from choice, also with an automatic swivel mechanism (memory cylinder)

The dimensions of the headstock and beam on the Cayros XM are adequately proportioned for all-round performance on tractors up to 140 HP/103 kW. With a beam height up to 82 cm and a body to body clearance of up to 105 cm then there is plenty of room to cope with copious amounts of crop residues.

Cayros XM models: overview

	No. of furrows	Body to body clearance (cm)	Beam height (cm)	Working width (cm)	
				mechanical	hydraulic
Cayros XM With shear bolt protection	3	85/95/105	78/82	36/40/44/48	32–52
	4	85/95/105	78/82	36/40/44/48	32–52
Cayros XM-S With automatic, hydraulic NonStop stone protection	3	85/95/105	78	36/40/44/48	32–52
	4	85/95/105 [1)]	78	36/40/44/48	32–52

[1)] Body clearance not possible on Cayros V



Cayros XMS

Cayros XMS 950 VS 5 furrow

The premium model in the upper to middle class

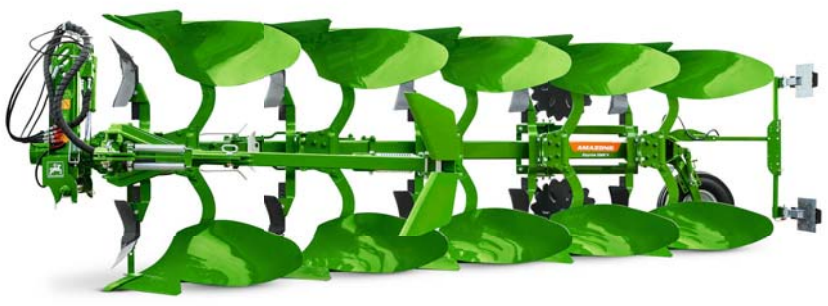
The features:

- 3, 4 or 5 furrow (depending on model)
- For tractors up to 200 HP/147 kW
- 100 mm diameter turnover shaft and adjustable taper roller bearings
- Strong beam dimensions 150 x 100 x 8 mm (12 mm wall thickness on 5 furrows)
- Standard furrow width adjustment (4 step) or, as an option, can also be steplessly adjusted hydraulically
- Stone protection via shear bolt or, from choice, automatic, hydraulic NonStop stone release system
- Choice of 3 interbody clearances (depending on model)
- Double-acting automatic turnover cylinder as standard (can be operated with single-acting spool valve and a pressure-free return) or, from choice, also with an automatic swivel mechanism (memory cylinder)

A cleverly constructed headstock design with the highest comfort in adjustment and wide scope of options makes the Cayros XMS a highly-flexible universal plough. With its robust beam and legs, the plough is built for tractors up to 200 HP/147 kW.

The Cayros XMS models: overview

	No. of furrows	Body to body clearance (cm)	Beam height (cm)	Working width (cm)	
				mechanical	hydraulic
Cayros XMS With shear bolt protection	3	85/95/105	78/82	36/40/44/48	32 – 52
	4	85/95/105	78/82	36/40/44/48	32 – 52
	5	85/95/105	78/82	36/40/44/48	32 – 52
Cayros XMS-S With automatic, hydraulic NonStop stone protection	3	85/95/105	78/82	36/40/44/48	32 – 52
	4	85/95/105	78/82	36/40/44/48	32 – 52
	5	85/95	78/82	36/40/44/48	32 – 52



Cayros XS

Cayros XS 950 V 6 furrow

The robust heavy-weight

The features:

- 4, 5 or 6 furrow (depending on model)
- For tractors up to 260 HP/191 kW
- 120 mm diameter turnover shaft and adjustable taper roller bearings
- Strong beam dimensions 150 x 150 x 8.8 mm (12 mm wall thickness from 5 furrow)
- Standard furrow width adjustment (4 step) or, as an option, can also be steplessly adjusted hydraulically
- Stone protection via shear bolt or automatic, hydraulic NonStop stone release system
- Choice of 3 interbody clearances (depending on model)
- Double-acting automatic turnover cylinder as standard (can be operated with single-acting spool valve and a pressure-free return) or, from choice, also with an automatic swivel mechanism (memory cylinder)

With up to 6 furrows, the Cayros XS excels with its potentially higher output as well as its exceptional functionality and build quality. Ideal for tractors from 260 HP/191 kW, the Cayros XS is the right tool for the bigger farmer. Efficient and cost-effective, it offers everything a plough should.

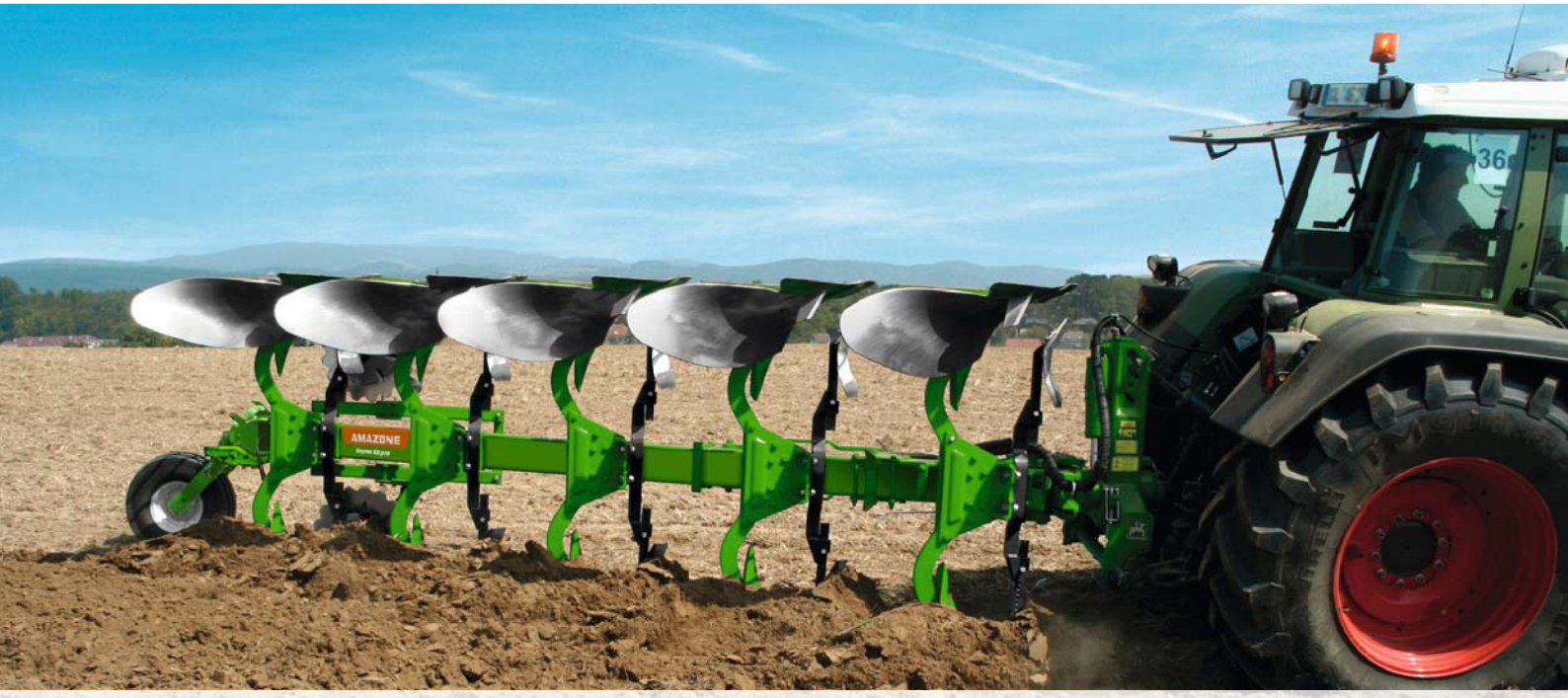
The Cayros XS models: overview

	No. of furrows	Body to body clearance (cm)	Beam height (cm)	Working width (cm)	
				mechanical	hydraulic
Cayros XS With shear bolt protection	4	95/105/115	82/90	36/40/44/48	32–55
	5	95/105/115	82/90	36/40/44/48	32–55
	6	95/105	82/90	36/40/44/48	32–55
Cayros XS-S With automatic, hydraulic NonStop stone protection	4	95/105/115 [1)]	78/82	36/40/44/48	32–55
	5	95/105/115 [1)]	78/82	36/40/44/48	32–55
	6	95/105 [2)]	78/82	36/40/44/48	32–55

[1)] not for mechanical furrow width adjustment

[2)] not for hydraulic furrow width adjustment

Cayros XS pro



Cayros XS pro 1050 V 5 furrow

The heavy-weight mounted plough for larger tractors

The features:

- 4, 5 or 6 furrow (depending on model)
- For tractors up to 380 HP/279 kW
- 120 mm diameter turnover shaft and adjustable taper roller bearings
- Strong beam dimensions 200 x 150 x 10 mm
- Standard furrow width adjustment (4 step) or, as an option, can also be steplessly adjusted hydraulically
- Stone protection via shear bolt or automatic, hydraulic NonStop stone release system
- Choice of 3 interbody clearances (depending on model)
- Double-acting automatic turnover cylinder as standard (can be operated with single-acting spool valve and a pressure-free return) or, from choice, also with an automatic swivel mechanism (memory cylinder)

Over-dimensioned build quality of the headstock, beam and legs makes the Cayros XS pro the high output plough for the bigger farmer, contractor or with shared enterprise usage. Body clearances of 115 cm and a beam height of 90 cm makes the Cayros XS pro also untouchable when it comes to handling copious amounts of crop residues.

The Cayros XS pro models: overview

	No. of furrows	Body to body clearance (cm)	Beam height (cm)	Working width (cm)	
				mechanical	hydraulic
Cayros XS pro With shear bolt protection	4	95/105/115	82/90	36/40/44/48	32 – 55
	5	95/105/115	82/90	36/40/44/48	32 – 55
	6	95/105	82/90	36/40/44/48	32 – 55
Cayros XS pro-S With automatic, hydraulic NonStop stone protection	4	95/105/115 [1)]	78/82	36/40/44/48	32 – 55
	5	95/105/115 [1)]	78/82	36/40/44/48	32 – 55
	6	95/105 [2)]	78/82	36/40/44/48	32 – 55

[1)] not for mechanical furrow width adjustment

[2)] not for hydraulic working width adjustment

The turnover mechanism

At the “heart” of any plough is the headstock together with the turnover mechanism and setting centre. The Cayros turnover mechanism is characterised by a wealth of functional advantages:

Elastic lower link cross shaft

The one-piece lower link cross shaft is particularly elastic and provides the optimum absorption of shock loads generated during ploughing and especially during transport. Furthermore, the lower link cross shaft can be coupled quickly and without any tools, which facilitates easy attachment of the plough to the tractor.

The lower link cross shafts are equipped as standard with integrated balls making it for quick-release lower link arms (optionally with Cat. 2 or 3), the over-sized diameter increases the durability as well as making it safer in transport.

Optimum contour following

All headstocks come equipped with an elongated hole for the top link. Using this elongated hole position, the tractor/plough combination follows the contours in uneven ground especially well ensuring that the desired working depth is always maintained.

With either 2 slotted holes (or even 3 on the XMS headstock) created at different heights, an optimal clearance of the plough is guaranteed irrespective of the tractor.

Well-engineered bearings, turnover shaft and housing

All the bearings are long-lasting and easy to maintain. The highly-strong turnover shaft is shrink-fitted precisely into the turnover housing.

Single-piece forged parts make the turnover housing extremely robust (M and XM only with welded forged parts). Machining after the hardening process guarantees perfect dimensional precision.

Comfortable turnover hydraulics

All headstocks on Cayros ploughs feature a turnover system that uses a double-acting cylinder with automatic changeover. This ensures that the turnover of the plough is smooth and jerk-free, plus it also means that the plough can be turned over using a single-acting spool valve with a pre sure-free return as well. The hoses are optimally routed to prevent any potential damage.

Turnover cylinder with interconnected pivot mechanism

Greater lifting height

To increase the lifting height of the plough, all lower link cross shafts can optionally be provided with an adaptor, which pushes the lower link cross shaft into a lower position and thus increases ground clearance during lifting. The lower link cross shaft adapter can be retrofitted at any time.

Headstock with swivel cross-shaft (option)

For special applications or specific market requirements, all Cayros ploughs are also available with a swivel lower link cross shaft. The special design makes it possible, via a pivot motion, to bring the lower link cross shaft to a central point; this happens automatically during the lifting of the plough.

Simple turnover with memory cylinder

To increase ground clearance when the plough is turning over and to make the action smoother, all ploughs from series M onwards can be equipped with a pivot mechanism. This automatically swings the plough beam towards the centre of the tractor before the turnover starts and then back to its original working position once the plough has finished turning. This shift in the centre of gravity also means that there is less stress on the tractor's lifting mechanism and reduces the risk of tipping while working on slopes.

For Vario ploughs, the pivot cylinder is a pure memory cylinder with a second floating piston for adjusting the working widths.


Cayros


Cayros V

Cayros headstocks: overview




Headstock model	M	XM	XMS	XS/XS pro
Ø Turnover shaft	80	90	100	120
Bearings	Taper roller	Taper roller	Taper roller	Taper roller
Top link position	3 (2 x elongated holes)	3 (2 x elongated holes)	4 (3 x elongated holes)	4 (3 x elongated holes)
Linkage category	2 or 3N	3N or 3	3N or 3	3N, 3 or 4N
Available on all plough models	All M models with 4 step furrow width adjustment and either shear bolt or half-automatic stone protection	All XM as well as M models with NonStop stone protection and/or V hydraulic furrow width adjustment (S, V and VS models) Optional for M models with 4 step furrow width and shear bolt/ half-automatic	All XMS models	All XS and XS pro models up to 5 furrows, 6 furrows in the heavier XS pro specification

The beam is the backbone of any plough

All the beams on AMAZONE ploughs are produced from a special high-tensile steel. The over-sized wall thickness means that, not only is the whole beam robust, but also all the bolt fixings are extremely strong with this heavy wall thickness also preventing any hole elongation or deformation of the box section around the bolt fixings. Another positive feature of the Cayros ploughs is that the whole main beam is designed without any weld seams. That means that any weak points are avoided from the start. The optimum integration of the turnover mechanism to the beam is guaranteed by the high-strength, warm-formed joint and, for the higher-end series ploughs, a bracing plate at the side provides even more torsion-free rigidity.

All the beam box sections are drilled out using a specially developed boring process where all the holes are machined out in a single action to ensure the utmost precision in the manufacturing process.

Logical plough adjustment

The basis for perfect plough adjustment is an adjustment system that is logical and easy to understand. The correct plough adjustment quite simply means that operating costs will be reduced, as perfect adjustment has a very positive effect on wear and tear as well as fuel consumption. The tried and tested linkage design of the Cayros ploughs is particularly well-suited for this purpose.

Any plough adjustment can be divided into 3 steps:

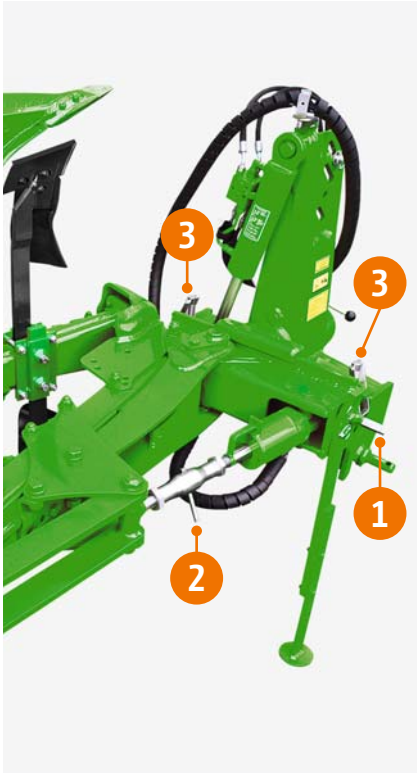
① **Front body furrow width**
(Matching to the inner wheel track dimensions) via the carriage guide

② **Draft point adjustment**
Stepless adjustment via spindle

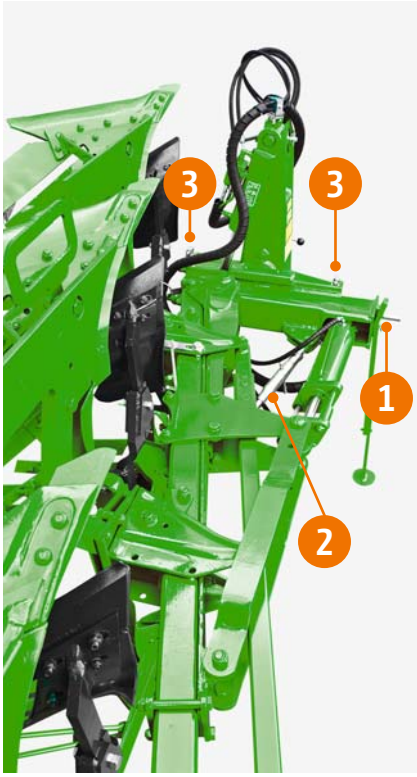
③ **Tilt adjustment**
Individual adjustment of right/left via a turn screw

Hydraulic carriage guide adjustment:
The front furrow width can, as an option, be adapted directly from the tractor seat using double-action hydraulic cylinders. This is very practical solution when working on slopes, in heavily changing soils or with repeated tractor changes.

Cayros setting centre



Cayros V setting centre

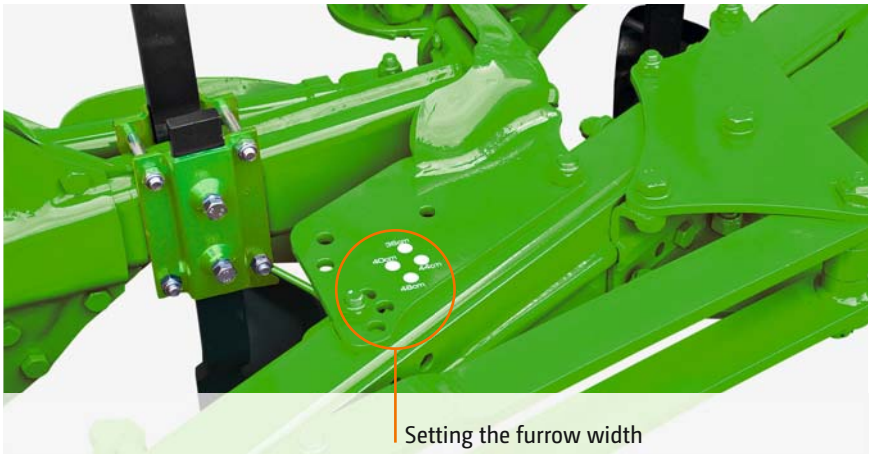


Furrow width adjustment

All Cayros ploughs feature a mechanical furrow width adjustment as standard. However, for Cayros V models, this can be steplessly adjusted hydraulically from the tractor seat.

Mechanical precision

The standard furrow width adjustment can be altered in 4 steps by manually pivoting the leg fixing consoles. In this way, the plough can be easily adapted to different applications (soil conditions, tractor, etc.). When the furrow width is adjusted, all the soil-engaging metal and support wheels are also automatically adjusted. No additional correction is necessary.



Setting the furrow width

Cayros V – comfortable hydraulic operation

The furrow width can be steplessly adjusted from the tractor seat via the hydraulic system. The furrow width setting can be monitored at a glance via a large, easy-to-read scale.

Of course, the Vario system is skilfully designed so that the draft point and the furrow width of the first body are automatically corrected at the same time. All the soil-engaging metal and the depth wheel are also automatically adjusted.

The mounting points for the plough body and other accessories are positioned to the side of the beam box section, so as not to weaken the beam with large holes. This side mounting also enlarges the through passage for material above the plough body.

Connex bushings

Cayros V: the advantages

Suitable for all methods of overload protection
- ✓ Suitable on V-ploughs for ground conditions and tractor sizes

Simple settings, essentially the same as on the basic ploughs, perfect matching of the draft point and front furrow by the adjustment of the furrow width
- ✓ No need to readjust the draft point, front furrow or other soil-engaging parts, reduced wear and pulling power requirement

Minimises wear on the pivot points
- ✓ Minimal wear and maintenance demands

Every pivot point is fitted with CONNEX bushings, when worn just the bushes are changed
- ✓ Longer service life, lower replacement costs

Pivot points for the leg carriers mounted to the side of the beam box section
- ✓ No weakening of the main beam through any additional bolt holes

Optimal pressure on the landsides/ pivot point/setting rods – reduced adjustment force/bearing load
- ✓ Reduced wear, longer lifespan of the pivot points

Bearing pins are lubricated from inside – no dirt gets into the bearing points
- ✓ Minimal wear and tear and less maintenance demands

Main bearing pins fitted with a castellated nut and a strong fixing against any rotation
- ✓ Long service life of the bearings

Stone safety release

Pitching the hardness of steel against that of stone

The Cayros has a choice of three overload protection systems to prevent any damage in stony conditions. Due to the ingenious idea of mounting all the components to the side of the plough beam, means that there is a choice of three different stone release systems for the ©plus.

1. Mechanical

Shear bolts are the tried and tested standard solution for this system. When placed under excessive stress, the shear bolt fractures at the break point and the plough body swings up and out of the way of the obstacle. The plough is then simply lifted, a new shear bolt is inserted and ploughing continues.

The advantages:

- Double action shear bolts, hardened flange plates
- High-quality shear bolts; in 10.9 quality and with a special design
- The pivot point of the leg is very high and located well forwards – the plough does not lift when it is triggered

2. Semi-automatic

In this system, the plough body swings out of the way by overcoming the strong spring pressure exerted by two coil springs. Of course, this solution is extremely practical because the plough body is immediately brought back into realignment by lifting it out or briefly reversing the tractor. This system is, on the Cayros M, an alternative to using either shear bolts or NonStop protection systems when the ground is not excessively stony.

The advantages:

- Low additional weight over and above a shear bolt protection system
- Adjustable release force

3. Fully automatic – hydraulic

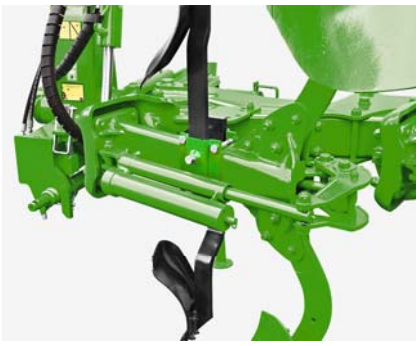
Instead of springs, the hydraulic solution uses a hydraulic cylinder which is connected to a nitrogen-filled accumulator. The hydraulic pressure can be steplessly adjusted which guarantees comfortable operation and a consistent ploughing depth. When triggered, the plough body pushes in a piston in the accumulator via the hydraulic cylinder. The gas is compressed and automatically returns the body to its initial position after passing the obstacle. This is the High-Tech fully-automatic solution.

The advantages:

- Simple, uncomplicated design
- Practical release characteristics
- Interchangeable ball joints
- As standard with shear bolt
- Smooth action which protects the materials with its gentle lifting and pull-in force
- Simple adaptation of the release force to suit different soil conditions
- Increased lift height for even better safety over large obstacles

Hydraulic stone safety release system is available in 2 versions:

Compact accumulator:
In this version, the accumulator is combined directly with the hydraulic cylinder to form a compact unit.



The advantages:

- The furrows function completely independently of each other (no influence on release force)
- Elements can be pre-compressed independently (e.g. on the front furrow)
- No hydraulic hoses or pipes on the plough beam

Compact accumulator with hoses
By connecting the individual furrows and with an isolator valve for each, all of these advantages of the compact accumulator can utilised even better. By opening the valve, the following further advantages can also be used:

The advantages:

- Adjustment of the release force for all furrows in one single movement (even whilst driving)
- Similar pipe cross-sectional area means that each furrow has only a slight influence on each other

Soil-engaging metal

M0 Skimmer

For universal use, from freshly ploughed pasture land to maize stubbles.

M3 Skimmer

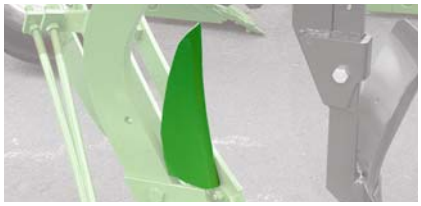
Optimum performance with extreme crop residues (especially maize straw), recommended only in conjunction with large point to point clearances of 105 or 115 cm. Not available for NonStop stone safety ploughs.

All-round adjustable
In addition to the standard version with stepless height adjustment, the skimmers are, as an option, also available with stepless pull-in force and three step throwing angle adjustment (standard with M3 skimmers).

These add-ons are equipped furthermore with a comfortable depth adjustment system plus an additional wear area means a longer service life for the skimmer board and thus reduces the running costs.

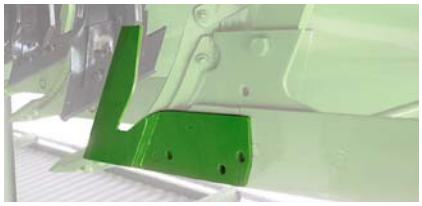
Deflector plates

A cost-effective alternative to skimmers when incorporating surface crop residues. With additional leg support as standard.



Deflector boards

In conjunction with the skimmers, the deflector plates prevent straw (especially maize straw) from wrapping around the leg.



Sword landsides

A cost-effective alternative to disc coulter, reduces wear on the plough body and also reduces the lifting power requirement.

Disc coulters

Disc coulters also make a considerable contribution to efficient ploughing. The disc coulters precise cutting action helps achieve full turning and complete incorporation of crop residues as well as leaving an effective furrow clearance.

For Cayros ploughs, notched disc coulters with a diameter of 500 or 600 mm are available. The depth of the coulters can be fine-tuned using a notched hub, the robust taper roller bearings are mounted to the outside and, as such, are well-protected and run maintenance-free. Plough models from series M onwards can also optionally be fitted with disc coulters in front of every plough body.

Disc coulter on standard ploughs with shear bolt protection system
AMAZONE has developed a practical toggle-lever clamp for this model. This allows both sides to be adjusted at the same time. The system can also be adjusted in the direction of travel, which creates a unique amount of room between body and disc coulter (to prevent blockages).

Disc coulter on ploughs with stone safety release (Standard and Cayros V)
With these plough models, the disc coulter is mounted on the pivoting leg of the stone safety release. When the overload protection system is released, the disc coulter is also lifted and protected from damage. Simultaneous adjustment of the pull-in force for both sides is also carried out using the familiar clamp.

Disc coulter on Cayros V ploughs with shear bolt protection system
For Cayros V ploughs, the disc coulter is also longitudinally moveable in the same unique way. This makes for a major advantage when using Cayros ploughs where there are large amounts of crop residues. Needless to say that, during the adjustment of the furrow width, the disc coulter is also exactly matched.

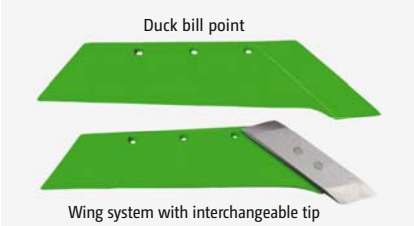
Plough bodies

Easy pulling from the tip

The basis for efficient ploughing is naturally to ensure the least tractor pulling power possible and thus less diesel consumed. In combination with the unique ©plus hardening process which gives a very hard and smooth surface, the clever design guarantees the ease of pull for which AMAZONE ploughs are renowned.

The Cayros shares

All Cayros bodies are fitted with specially designed shares. The special shape gives less resistance and smoother pulling requirement. The self-sharpening area has been made much thicker, thus considerably increasing the life of the share.



Interchangeable tip with a special profile

The interchangeable tip of the Cayros wings saves the wing blade and thus reduces wearing costs. Its shallow design, the self-sharpening, pulling power saving penetration range and the 15 mm thick side reinforcements make the interchangeable tip, due to the targeted use of material in the wear zones, extremely robust resulting in exceptional longevity.

Lasts four times as long

All Cayros ploughs are equipped with a wearing metal system that quadruples the lifespan. The long length ensures the optimal furrow wall pressure, which reduces fuel consumption and ensures perfect ploughing.

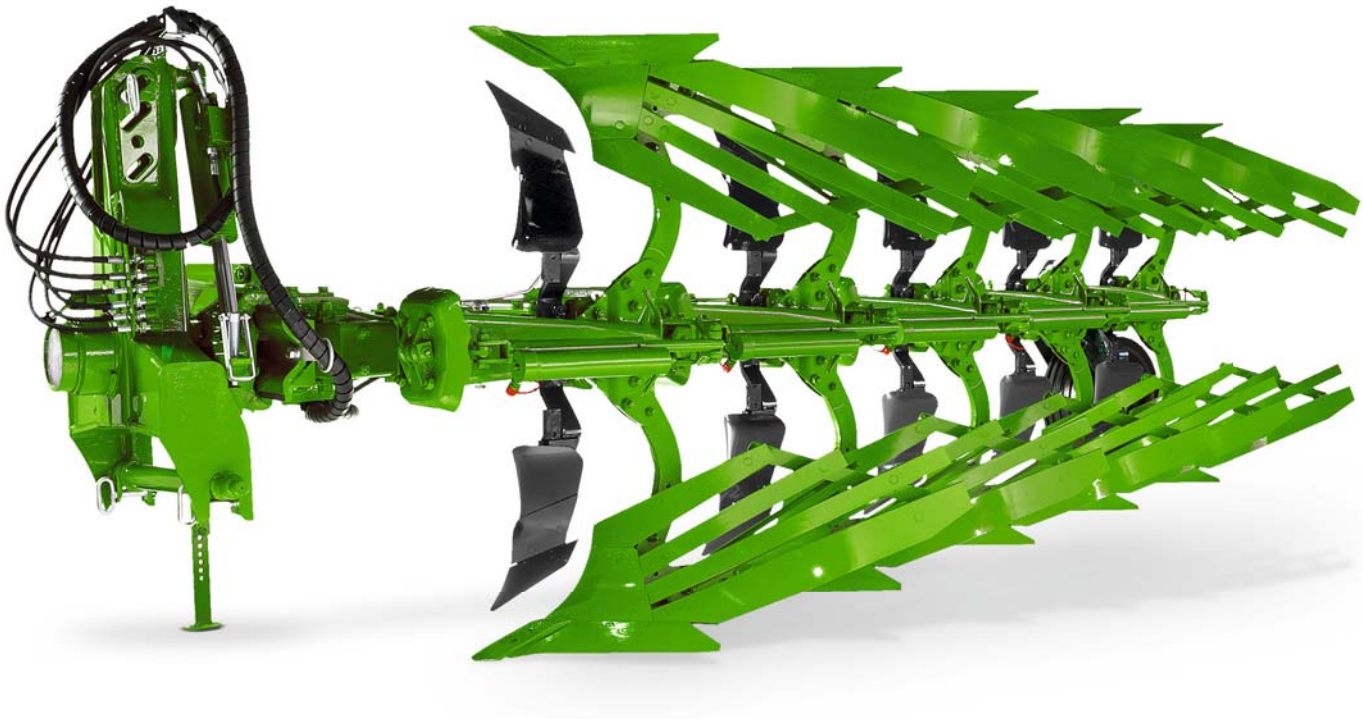
The advantages of Cayros bodies

- Thorough and consistent incorporation of crop residues to promote fast and effective decomposition, encourages soil life and therefore also helps guarantee greater yields
- An even surface with the finest possible crumbling makes subsequent work easier and saves on seedbed preparation costs
- Large furrow clearance enables the use of wide tyres which has the extremely positive effect of less soil compaction. The incorporation of large amounts of crop residues is also possible
- A low pulling requirement saves directly on fuel costs and therefore makes a considerable contribution to the cost-effective use of the plough

The Cayros plough bodies

	Selection criterion \ Body profile	WY 400	WL 430	WX 400	WX 400 PE	WXL 430	WXH 400	WST 430	UN 400/ UN 430
Application range	Light soils (sand)	+	+	o	–	o	+	+	++
	Medium soils	++	++	+	o	+	++	++	+
	Heavy soils	++	+	++	+	++	++	+	o
	Very heavy soils (clay)	++	o	++	+	++	++	o	–
	Light, sticky soils (moor)	–	o	o	++	o	+	++	+
	Heavy, sticky soils (clay)	+	+	++	++	++	++	+	o
Quality of work	Sloping terrain	o	++	–	–	o	+	+	–
	Crumbling	+	++	o	o	+	+	++	++
	Furrow clearing	+	++	+	+	++	++	++	+
	Less pulling power requirement	++	+	++	++	++	++	+	+
	Soil inversion	++	++	+	+	++	++	++	++
	Min. working depth (cm)	12	15	12	12	15	15	15	15/20
	Max. working depth (cm)	30	33	25	25	28	33	33	30/40
	Max. furrow width (cm)	50	55	50	50	55	55	55	50

– less suited o suited + well suited ++ very well suited

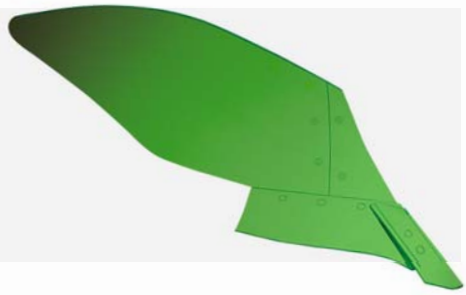


WY 400

Scrolled, universally usable from light to very heavy soils. It is especially easy to pull and suited to working depths of 12 to 30 cm.

WL 430

Heavily scrolled and long-drawn for light to heavy soils, outstanding furrow clearance for wide tyres up to 710 mm, best handling of crop residues. Excellent behaviour in sloping terrain. Working depths of 15 to 33 cm.

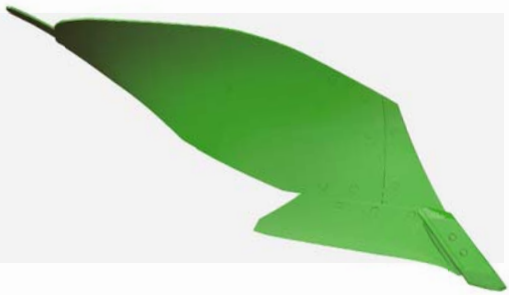


WX 400

Very shallow, scrolled plough body for medium to very heavy soils. Very easy pulling for extreme conditions, excellent cleaning properties. Working depths of 12 to 25 cm.

WX 400 PE

Very shallow, scrolled plough body for very heavy soils. Equipped with a mouldboard made from special plastic resulting in best cleaning properties for extremely sticky soil conditions. Working depths of 12 to 25 cm.



WXL 430

Also for medium to very heavy soil conditions and, due to the pointed profile, very easy to pull. Good furrow clearance and handling of crop residues. Working depths of 15 to 28 cm.

WXH 400

Particularly scrolled body for medium to very heavy soils, especially easy to pull and very good furrow clearance. working depths of 15 to 33 cm.

WST 430 slatted mouldboard

Ideal for sticky soils, good crumbling effect and furrow clearance. Slats are individually replaceable. Excellent burying of crop residues, very universally usable for light to heavy soils. Working depths of 15 to 33 cm.

UN 400/UN 430

Steep universal profile in two sizes for light to medium soil types. Due to the inversion effect, good handling of crop residues. Working depths of 15 to 30 cm on UN 400, of 20 to 40 cm on the UN 430.

For any demand the best option!

Double depth wheel

- Mounted forwards (good field edge ploughing properties)
- Comfortable spindle adjustment independent right & left
- Simple, uncomplicated design
- Wheel scrapers are standard

1

Wheel ∅ 500 mm steel
x 185 mm wide
Suitable for: M & XM ploughs. All beam heights
Mounting position:
On next to last body for optimum field edge ploughing

Pendulum support wheel rear

- The positioning of the wheel at the rear of the plough provides both optimum depth guidance and function of the regulating hydraulics on the tractor
- As standard: hydraulic damping with adjustable shock absorber for guaranteed gentle changeover of the wheel; independent of any extreme temperature changes
- Tool-less, infinitely-variable depth adjustment: independent right & left
- Optionally available scraper for all tyre options

2

Wheel ∅ 500 mm steel
x 185 mm wide
Suitable for: All ploughs up to 4 furrows and beam height max. 78 cm

3

Wheel ∅ 550 mm air-filled tyre
x 160 mm wide
Suitable for: All ploughs up to 4 furrows and beam height max. 78 cm

4

Wheel ∅ 600 mm air-filled tyre
x 220 mm wide
Suitable for: All ploughs from M range and beam heights up to 82 cm

5

Wheel ∅ 680 mm air-filled tyre
x 250 mm wide
Suitable for: All ploughs from M range

Pendulum support wheel front

- Mounted forwards (for cleaner field edge ploughing)
- Standard hydraulic damping
- Tool-less, infinitely-variable depth adjustment: independent right & left
- Light and compact design
- Pivoted at the rear; reliable operation on slopes (no 'pre-running' when lowering the plough)

6

Wheel ∅ 580 mm air-filled tyre with cleated profile
x 270 mm wide
Suitable for: Only for 4 furrow M–XMS

7

Wheel ∅ 600 mm air-filled tyre
x 220 mm wide
Suitable for: Only for 4 furrow M–XMS

8

Wheel ∅ 680 mm air-filled tyre
x 250 mm wide
Suitable for: 4 furrow XM–XMS, 5 furrow XMS with some limitations

Swivel adapter

9

For optimum ploughing right up to the last furrow at the field edge. Available for all rear pendulum support and combi wheels. **Not** suitable for S stone protection ploughs.

With plenty of potential

Combi wheels at the rear

- The wheel positioning at the rear of the plough results in both the optimum depth guidance and function of the regulation hydraulics on the tractor as well as less stress during road transport
- Optionally available scraper for all tyre options
- The standard hydraulic damping guarantees a gentle turn over
- Tool-less, infinitely-variable depth adjustment: independent right & left

10

Wheel ∅ 550 mm air-filled tyre x 160 mm wide
Suitable for: All ploughs up to 4 furrows and beam height max. 78 cm

11

Wheel ∅ 600 mm air-filled tyre x 220 mm wide
Suitable for: M/XM/XMS/XS (not for 6 furrow or 5 furrow S and/or V ploughs)

12

Wheel ∅ 680 mm air-filled tyre x 250 mm wide
Suitable for: XMS/XS (not for 6 furrow or 5 furrow S and/or V ploughs)

13

Wheel ∅ 600 mm air-filled tyre x 220 mm wide – heavy-duty version (twin arm)
Suitable for: All 6 furrow or 5 furrow S and/or V ploughs

14

Wheel ∅ 680 mm air-filled tyre x 250 mm wide – heavy-duty version (twin arm)
Suitable for: All 6 furrow or 5 furrow S and/or V ploughs

Press arms

For use in combination with a plough press, all Cayros ploughs can be equipped with a hydraulic, length adjustable press arm.

These press arms are generally fastened directly to the headstock, with the significant advantage that the forces generated pass into the headstock directly from the press and not via the beam.

In addition, all plough press arms are equipped with a spring-loaded safety device which dampens out the load peaks that occur when the packer is first collected thus protecting the implement and the tractor.

Subsoiler points

Using the adage 'plough shallow and then deep loosen' the subsoiler points break through the soil layers below the plough depth. The subsoiler points are adjustable in depth and are easily exchanged to keep the running costs as low as possible.

Road lighting

All Cayros ploughs must also be fitted with a lighting kit for road transport. Either pointing to the left (for transport with plough in working position) or double-sided for use with combined transport/depth wheel. The lighting system ensures safety whilst driving on public roads.

Technical data:

Cayros




kW/HP

Model	Body clearance (cm)	Working width	Beam height (cm)	Wheel track inner dimension (mm)	Max. kW (HP) range	Weight (kg)				
						2 furrow	3 furrow	4 furrow	5 furrow	6 furrow
M 850 S	85	32/36/40/44	78	1,150 to 1,700	88 (120)	675	890	1,105	–	–
M 950	95	36/40/44/48	78	950 to 1,500	88 (120)	575	730	890	–	–
M 950 S	95	36/40/44/48	78	1,150 to 1,700	88 (120)	680	895	1,110	–	–
M 1020	102	36/40/44/48	78	950 to 1,500	88 (120)	580	735	895	–	–
M 1020 S	102	36/40/44/48	78	1,150 to 1,700	88 (120)	685	900	–	–	–
XM 850	85	32/36/40/44	78/82	1,050 to 1,650	103 (140)	–	860	1,005	–	–
XM 850 S	85	32/36/40/44	78	1,250 to 1,850	103 (140)	–	1,025	1,225	–	–
XM 950	95	36/40/44/48	78/82	1,050 to 1,650	103 (140)	–	865	1,010	–	–
XM 950 S	95	36/40/44/48	78	1,250 to 1,850	103 (140)	–	1,030	1,230	–	–
XM 1050	105	36[1)]/40/44/48	78/82	1,050 to 1,650	103 (140)	–	870	1,015	–	–
XM 1050 S	105	36/40/44/48	78	1,250 to 1,850	103 (140)	–	1,035	1,235	–	–
XMS 850	85	32/36/40/44	78/82	1,050 to 1,650	147 (200)	–	975	1,150	1,345	–
XMS 850 S	85	32/36/40/44	78/82	1,250 to 1,850	147 (200)	–	1,140	1,370	1,620	–
XMS 950	95	36/40/44/48	78/82	1,050 to 1,650	147 (200)	–	980	1,160	1,360	–
XMS 950 S	95	36/40/44/48	78/82	1,250 to 1,850	147 (200)	–	1,145	1,380	1,635	–
XMS 1050	105	36[1)]/40/44/48	78/82	1,050 to 1,650	147 (200)	–	985	1,170	1,375	–
XMS 1050 S	105	36/40/44/48	78/82	1,250 to 1,850	147 (200)	–	1,150	1,390	–	–
XS 950	95	36/40/44/48	82/90	1,050 to 1,850	191 (260)	–	–	1,310	1,530	1,745
XS 950 S	95	36/40/44/48	82	1,250 to 2,050	191 (260)	–	–	1,565	1,845	2,115
XS 1050	105	36[1)]/40/44/48	82/90	1,050 to 1,850	191 (260)	–	–	1,325	1,550	1,765
XS 1050 S	105	36/40/44/48	82	1,250 to 2,050	191 (260)	–	–	1,580	1,865	2,130
XS 1150	115	40/44/48	82/90	1,050 to 1,850	191 (260)	–	–	1,340	1,570	–
XS pro 950	95	36/40/44/48	82/90	1,050 to 1,850	279 (380)	–	–	1,360	1,590	1,818
XS pro 950 S	95	36/40/44/48	82	1,250 to 2,050	279 (380)	–	–	1,615	1,905	2,185
XS pro 1050	105	36/40/44/48	82/90	1,050 to 1,850	279 (380)	–	–	1,375	1,610	1,835
XS pro 1050 S	105	36/40/44/48	82	1,250 to 2,050	279 (380)	–	–	1,630	1,925	2,200
XS pro 1150	115	40/44/48	82/90	1,050 to 1,850	279 (380)	–	–	1,390	1,630	–

[1)] not possible with S models (disc coulter ahead of all bodies)

Technical data:

Cayros V




kW/HP

Model	Body clearance (cm)	Working width	Beam height (cm)	Wheel track inner dimension (mm)	Max. kW (HP) range	Weight (kg)			
						3 furrow	4 furrow	5 furrow	6 furrow
M 950 V	95	32 to 52	78	950 to 1,500	88 (120)	800	975	–	–
M 950 VS	95	32 to 52	78	1,150 to 1,700	88 (120)	965	–	–	–
M 1020 V	102	32 to 52	78	950 to 1,500	88 (120)	805	980	–	–
M 1020 VS	102	32 to 52	78	1,150 to 1,700	88 (120)	970	–	–	–
XM 850 V	85	32 to 52	78/82	1,050 to 1,650	103 (140)	945	1,105	–	–
XM 850 VS	85	32 to 52	78	1,250 to 1,850	103 (140)	1,110	1,325	–	–
XM 950 V	95	32 to 52	78/82	1,050 to 1,650	103 (140)	950	1,110	–	–
XM 950 VS	95	32 to 52	78	1,250 to 1,850	103 (140)	1,115	1,330	–	–
XM 1050 V	105	32 to 52	78/82	1,050 to 1,650	103 (140)	955	1,115	–	–
XMS 850 V	85	32 to 52	78/82	1,050 to 1,650	147 (200)	985	1,240	1,515	–
XMS 850 VS	85	32 to 52	78/82	1,150 to 1,850	147 (200)	1,270	1,530	1,810	–
XMS 950 V	95	32 to 52	78/82	1,050 to 1,650	147 (200)	990	1,250	1,530	–
XMS 950 VS	95	32 to 52	78/82	1,150 to 1,850	147 (200)	1,280	1,540	1,825	–
XMS 1050 V	105	32 to 52	78/82	1,050 to 1,650	147 (200)	995	1,260	1,545	–
XMS 1050 VS	105	32 to 52	78/82	1,150 to 1,850	147 (200)	1,290	1,550	–	–
XS 950 V	95	32 to 55	82/90	1,050 to 1,850	191 (260)	–	1,380	1,650	1,905
XS 950 VS	95	32 to 55	78/82	1,150 to 2,050	191 (260)	–	1,635	1,980	2,325
XS 1050 V	105	32 to 55	82/90	1,050 to 1,850	191 (260)	–	1,390	1,665	1,925
XS 1050 VS	105	32 to 55	78/82	1,150 to 2,050	191 (260)	–	1,645	1,995	–
XS 1150 V	115	32 to 55	82/90	1,050 to 1,850	191 (260)	–	1,400	1,680	–
XS pro 950 V	95	32 to 55	82/90	1,050 to 1,850	279 (380)	–	1,740	1,940	2,190
XS pro 950 VS	95	32 to 55	78/82	1,150 to 2,050	279 (380)	–	1,890	2,295	2,695
XS pro 1050 V	105	32 to 55	82/90	1,050 to 1,850	279 (380)	–	1,755	1,960	2,215
XS pro 1050 VS	105	32 to 55	78/82	1,150 to 2,050	279 (380)	–	1,905	2,315	–
XS pro 1150 V	115	32 to 55	82/90	1,050 to 1,850	279 (380)	–	1,770	1,980	–

Additional weight for semi-automatic stone protection in lieu of shear bolt: approx. 20 kg per body pair S models – info for hydraulic stone release system. Weight without optional soil-engaging parts.

Illustrations, content and technical data are not binding! Technical data may deviate according to the level of equipment. Machine illustrations can vary due to country-specific traffic legislation.

Cayron

Over-dimensioned turnover shaft

with a diameter of **130 mm**

5 furrow from 150 HP

6 furrow up to 290 HP

Outstandingly-robust

200 x 120 x 8.8 mm

oblong-profile plough beam

The top benefits

- Over-dimensioned and extremely robust 130 mm diameter turnover shaft
- Outstandingly robust oblong-profile beam with a dimension of 200 mm x 120 mm x 8,8 mm
- Strain-free guidance of the hydraulic hoses and cables through the hollow turnover shaft
- Active vibration damping thanks to the sprung lower link cross shaft
- Integrated lower link balls for easy mounting and high robustness
- Combi wheel attached at the side with comfortable conversion from the work to transport position
- Very high operational comfort thanks to numerous clever details, as, for instance, the hydraulic hose rail or the multi-function setting tool with working depth indication
- C-Blade plough bodies with a long service life and low wear costs
- The standard hydraulic front furrow width adjustment provides the highest setting comfort and a consistently good quality of work
- Integrated beam swivel system without constantly rotating the plough body furrow width pivots

Cayron V –

with hydraulic front furrow width adjustment
and automatic, hydraulic front furrow matching

Modular system

6 furrow = 5 furrow + mounting kit

The mounted Cayron reversible plough is available in 5 and 6 furrows for tractors up to 290 HP. On the Cayron 200, the furrow width of each body can be adjusted in three steps of 40 cm, 45 cm and 50 cm. As standard, the Cayron features hydraulic front furrow width adjustment. When changing the furrow width, the front furrow width is matched hydraulically automatically.

FOR FURTHER INFORMATION
www.amazone.net/cayron

Utmost operational reliability

High-quality design

Robust turnover mechanism

The turnover mechanism is designed around a 130 mm diameter hollow shaft equipped with two equally large, high-quality, robust taper roller bearings. These are sealed against dirt ingress and can be lubricated to ensure a high longevity. Thanks to the hollow shaft, the hydraulic hoses can be neatly routed through the tube, ensuring a damage-free turn over procedure.

The turnover mechanism is equipped with a one-piece sprung cross shaft which provides a very good damping function and so clearly reduces the strain on the lift linkage of the tractor. This is enabled by two pivoting bearings located on the right and left hand side of the cross shaft which safely absorb any shocks.

2 mounting positions of the lower link cross shaft allow the optimum matching to tyres and the lifting height of the tractor. Three positions for the top link attachment to the headstock ensure also the optimal lifting characteristics. If the top link is attached in one of the two slotted holes, then perfect adaptation to the ground and the maintenance of the preselected working depth is ensured.

✓ Shock absorbance
Sprung tractor cross shaft with high-grade pivoting bearings

! "The 130 mm rotary shaft is hollow so that all the hydraulic hoses can be routed through it."
(traction – Test report AMAZONE Cayron 200 VS · 1/2017)

Comfort comes up trumps!

All the hydraulic hoses are well arranged and safely stored in the hose rail on the headstock. The colour-coded and numbered hydraulic hoses guarantee a comfortable and error-free coupling to the tractor.

To ensure that everything is at hand in the field, the Cayron is equipped with a storage rail for spare shear bolts and a spanner for the shear bolts and leg bolts. Particularly useful is the integrated scale on the spanner for measuring the working depth.

! "Exemplary: The hydraulic hoses are colour coded and numbered according to flow and return."
(traction – Test report AMAZONE Cayron 200 VS · 1/2017)

Clever linkage system

The parallelogram linkage system is a central component on the plough and connects the plough beam with the turnover mechanism. The clever design of this linkage system is decisive for the exact and comfortable setting possibility, the low pulling power requirement and an always optimum ploughing performance.

① Turnover cylinder

② Front furrow cylinder

③ Furrow width cylinder

Easy setting of the plough

The standard hydraulic front furrow adjustment (2) makes the beam setting simple and comfortable. Due to this design, the parallel shift of the plough requires very low power and thus is possible on the move without any problem. The pull-line is factory set and usually does not require any readjustment.

- Very useful when frequently changing tractors or in sloping terrain
- Adjustable display of the front furrow width adjustment

Optimum quality of work

For the Cayron V, with hydraulic furrow width adjustment, the front furrow width is automatically and hydraulically matched when changing the furrow width. Here the plough is shifted in parallel via the linkage system. This is made possible by an oil exchange between the furrow width and front furrow cylinders.

- Always an optimum ploughing performance with minimal wear and pulling power requirement

Robust beam connection

Fixing the plough beam to the 2nd body reduces the stress on the frame and thus increases the robustness of the plough. The carrying linkage is equipped with 2 large-dimensioned vertical bearings with greaseable, high-class special bearing bushes.

- Large contact area of the bearings for maximum longevity

Another special benefit of the Cayron plough is that the beam swivels as standard prior to the turning procedure without any movement in the plough body bearings.

This results in much more free space underneath the beam when turning and avoids wear.

Left hand working position

Swivels prior to turning over

Turnover procedure

Turnover procedure

Swivels after turning

Right hand working position

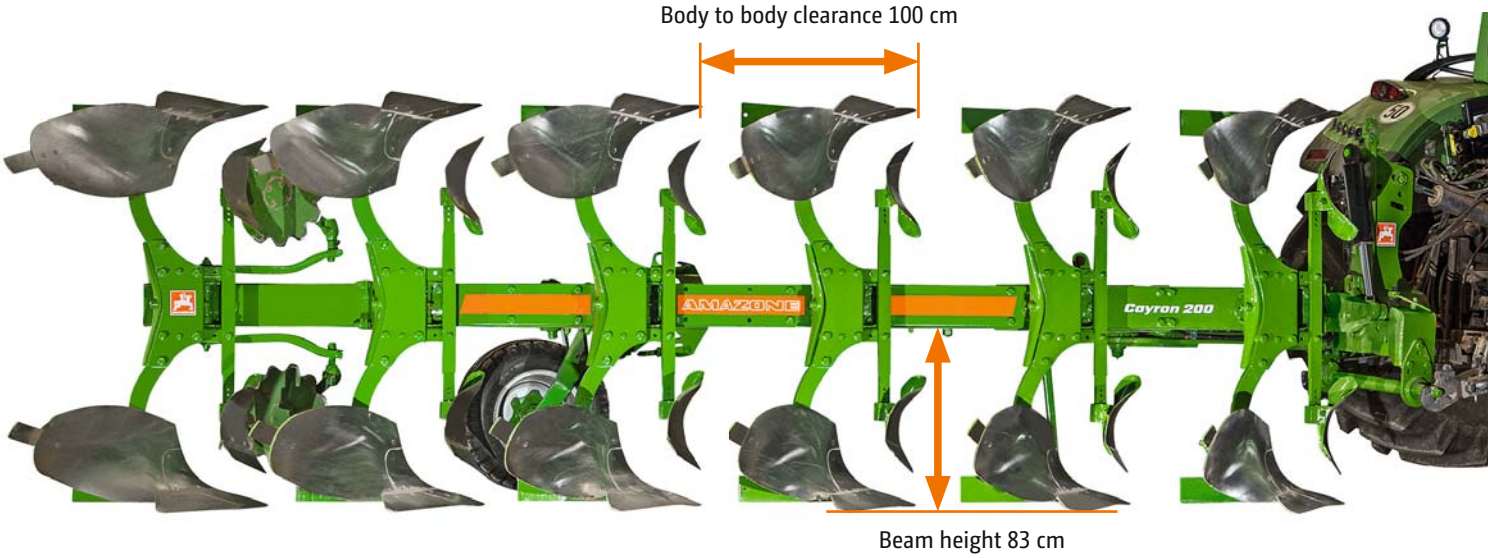
Robust plough beam

The over-dimensioned, 200 x 120 x 8.8 mm beam provides the utmost rigidity in the plough. The oblong profile with a very high torque resistance ensures the exact working depth from the first to the last body.

The bolted design, with horizontal bolt fixings, contributes additionally to the extraordinary robustness of the Cayron plough.

The modular system with flanged beam extension provides highest flexibility, the 5 furrow plough can be extended to 6 furrows by use of the simple beam extension.

The body to body clearance of 100 cm, in combination with a beam height of 83 cm and the smooth surface of the over-dimensioned main beam, guarantees maximum passage.



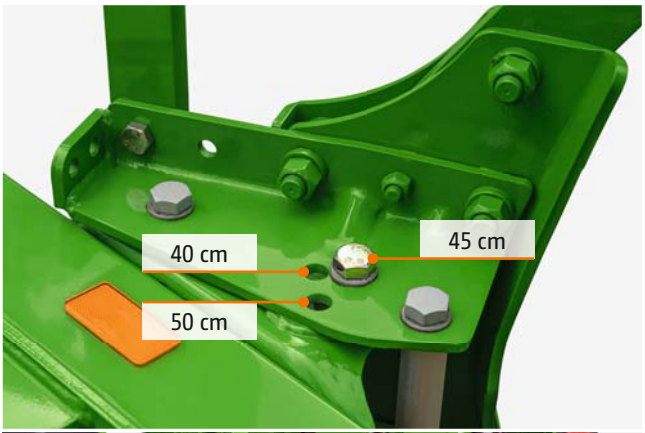
Variable furrow width

All Cayron ploughs feature an adjustable furrow width.

For the Cayron 200, this is achieved mechanically in 3 steps (40-45-50 cm per body) by swivelling the beam and then matching both the plough body and wheel position; the skimmers and the disc coulter are automatically matched.

The Cayron V models feature a stepless, hydraulic furrow width adjustment from 30 to 55 cm per body. The large and clearly visible scale on the headstock shows the relevant adjusted furrow width.

During the adjustment procedure, the front furrow width is automatically matched via the linkage system to ensure a continuous, optimum quality of work.

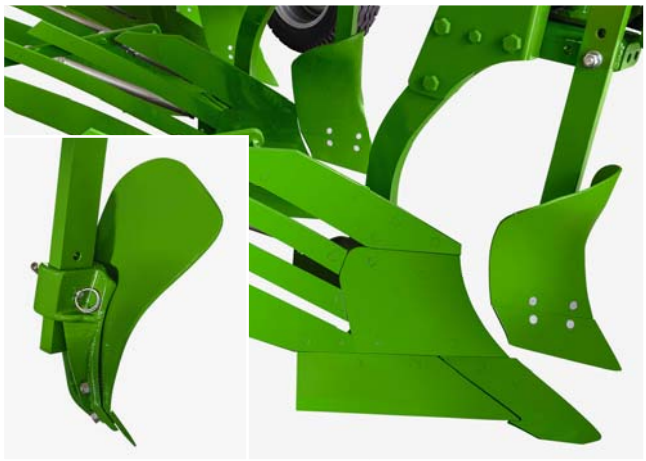


Soil-engaging metal

M1 skimmers

Classic maize skimmer for the clean incorporation of crop residues into the furrow bottom.

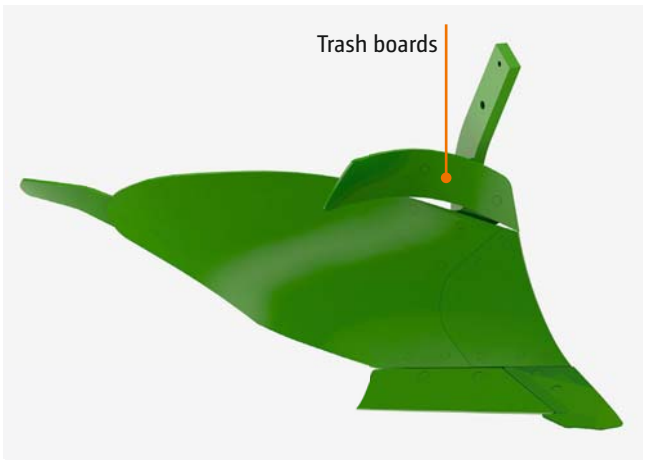
Fitted on a flat stem with, from choice, two different fixing points to the plough body for the best possible clearance and blockage prevention. As standard, tool-less depth setting via a series of holes.



Trash boards

For skimming off and inverting the front edge of the furrow wall into the furrow bottom and thus incorporating any surface crop residues.

Weight-saving and economic alternative to the skimmer for light and medium soil conditions.



Disc coulter

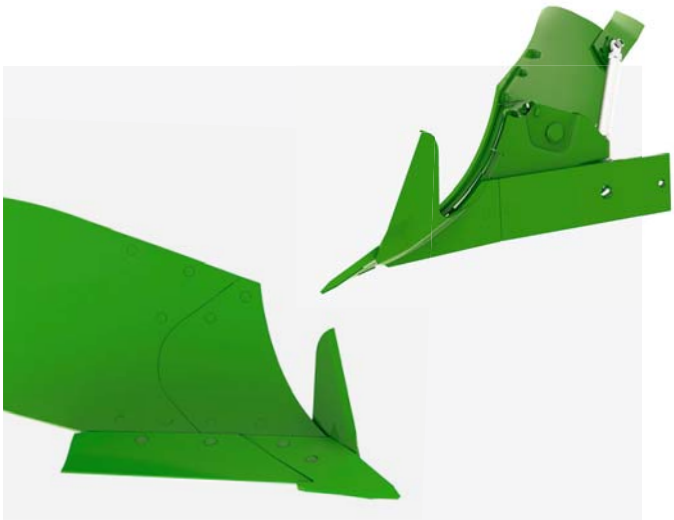
Provides a clean furrow edge. Serrated, or also smooth, 500 mm diameter coulter discs with taper roller bearing.

From choice, two carrier arms in different lengths for the optimum positioning to the plough body and skimmer. The short carrier positions the disc to the side of the skimmer and thus provides a clean last furrow. With the long carrier, the coulter disc runs in front of the skimmer and thus provides the optimum clearance and thus reduces the danger of blockage.

Sword landsides

In stony conditions, this is a robust alternative to the coulter disc and also saves weight and cost. Due to the consistent cutting of the soil furrow, the sword landside reduces the pulling power requirement and the wear on the front part of the mouldboard resulting in a more even quality of work.

Available only for the W 35 and S 35 bodies.



The Cayron plough bodies

	Selection criterion \ Body profile	 U 40	 STU 40 slatted mouldboard	 W 35	 S 35
Application range	Light soils (sand)	++	++	+	o
	Medium soils	++	++	++	o
	Heavy soils	o	+	++	++
	Very heavy soils (clay)	–	–	+	++
	Light, sticky soils (peat)	+	++	o	o
	Heavy, sticky soils (clay)	–	o	+	++
Quality of work	Sloping terrain	++	+	+	++
	Crumbling	++	++	+	o
	Furrow clearance	++	++	+	++
	Less pulling power requirement	++	+	++	++
	Soil inversion	++	++	+	++
	Min. working depth (cm)	18	18	15	15
	Max. working depth (cm)	40	40	30	30
	Max. working depth (cm)	55	55	50	50

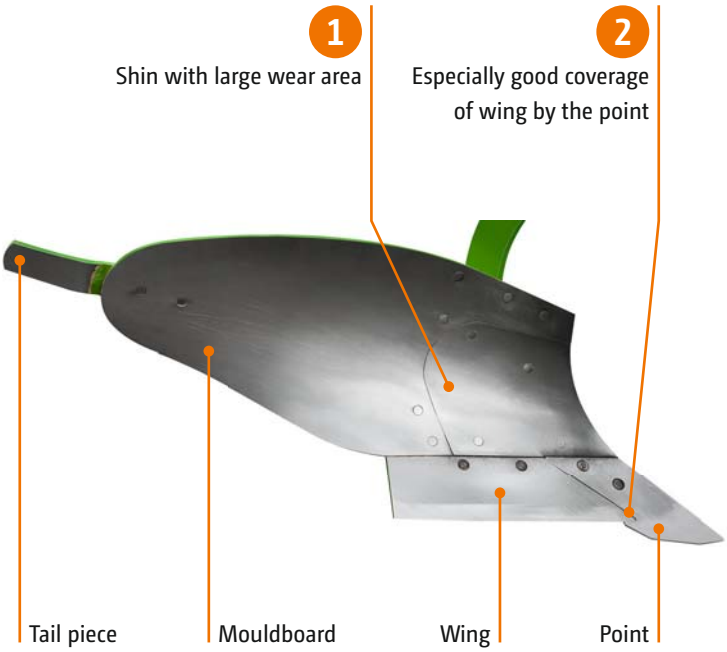
– less suited o suited + well suited ++ very well suited

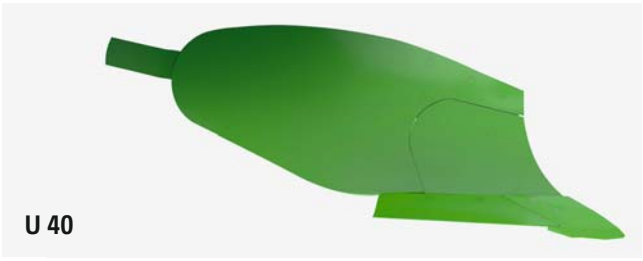
C-Blade – the special plough body

① One of the characteristics of the C-Blade generation body, seen here, for example, with the U 40 universal mouldboard, is the front shin which has been substantially enlarged. With increased ploughing speeds, the wear point is shifted towards the mouldboard and this new shin design in front of the mouldboard entirely covers the wear area reducing the running costs.

② In addition, one other detail has made a huge effect. The wing is designed in such a way that the point covers the wing. The joint is located safely under the point, thus preventing objects, such as, for example, baler twine from becoming trapped in the seams between the wing and the point.

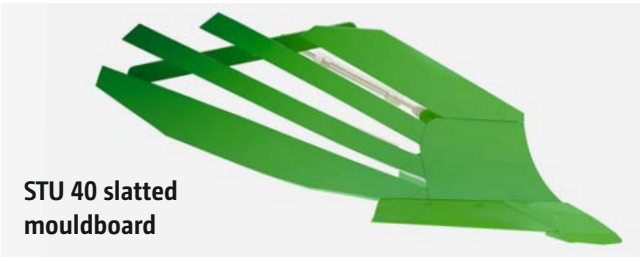
The point, the wing and landside are identical for all body profiles.





U 40

Universal body for light to medium heavy, easy-turning soils. Especially wide furrow clearance and thus good incorporation of crop residues. Very easily pulling with good crumbling. Working depths of 18 to 40 cm.



STU 40 slatted mouldboard

Universally-usable body for light to heavy, but above all, sticky soils. Due to the wide furrow clearance, crop residues are superbly incorporated. The slats can be exchanged individually to reduce the wearing costs. Working depths of 18 to 40 cm.

W 35

Scrolled body, suited for medium-heavy loam and clay soils. Easy pulling with a simultaneous good furrow clearance and good soil inversion. Working depths of 15 to 30 cm.

S 35

Heavily-scrolled, helical body for heavy marshland and Polder soils. Intensive inversion of the soil furrow. Especially good furrow clearance and cleaning properties. Working depth of 15 to 30 cm.

The point

Intelligent and patented

The thought-through wing including the plough point is of decisive importance for all Cayron plough bodies. The wing is designed in such a way that the plough point covers the wing. In addition, the HD-version is also available which ensures a yet longer service life.

Plough point with and without hard-facing

X-Blade

Furrow clearer for wide tyres

As an additional option for the U 40 body, the X-blade is available for the rear plough body. On easily-inverted soils, this mouldboard extension provides, for wide tyres, up to a 30 % larger furrow clearance. The X-blade is easy to remove and can also be retrofitted.

High operational comfort – best quality of work

Combi depth wheel

The combi depth wheel can be used, both for depth guidance of the plough and for transport. The particularly easy conversion between work and transport position increases the comfort. The standardly provided damping cylinder does not need to be unhooked.

The attachment of the wheel at the side of the beam eases ploughing operation at field sides and against other borders. Especially end user-friendly is the tool-less working depth adjustment against two stops.

The combi depth wheel is equipped with a 340/55-16 tyre (∅ 770 x 340 mm width).

An especially comfortable conversion from work into the transport position by folding round the wheel arm

Swivel press arm

For the combined operation of Cayron ploughs with inversion packers such as, for example, the AMAZONE C-PACK, a hydraulically-released press arm is available.

The press arm, with its spacious reach and distance to the plough, is adjustable on the move. The packer can be transported very close to the plough, avoiding any side forces.

Due to its combination with the turnover cylinder, the hydraulic unlocking does not require an additional spool valve on the tractor.

Retrofitting to the plough is also readily possible due to the fixing flange on the plough beam in front of the first body.

Technical data:

Cayron 200 and Cayron 200 V

Model	5 furrow plough		6 furrow plough	
	Cayron 200	Cayron 200 V	Cayron 200	Cayron 200 V
Working width adjustment	Stepped	Hydraulic	Stepped	Hydraulic
Working width per body (cm)	40, 45, 50	30 to 55	40, 45, 50	30 to 55
Operational speed (km/h)	4 to 9			
Transport speed (km/h)	25			
Beam height (cm)	83			
Body to body distance (cm)	100			
Tractor power up to (HP)	240		290	
Transport length approx. (m)	5.70		6.70	
Transport width with combination wheel approx. (m)	1.95			

Illustrations, content and technical data are not binding! Technical data may deviate according to the level of equipment.
Machine illustrations can vary due to country-specific traffic legislation.

Cayron with STU 40 slatted mouldboard

C-Pack 900 S and Cam ring roller 550

Levelling and targeted reconsolidation in one operational pass

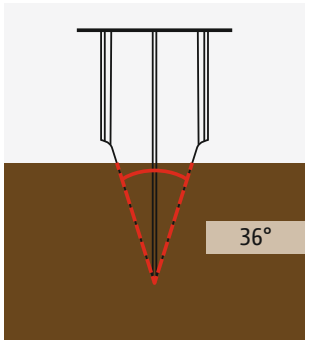
To help prepare the field for the following sowing operation, targeted reconsolidation after ploughing is ideal. In many cases, there is insufficient time for the settling of the soil after ploughing and natural tilth formation does not take place so that combining two operational passes is an optimal possibility.

A heavy ring packer, in combination with the plough, provides deep reconsolidation, crushing coarse clods and preventing the soil from drying out.

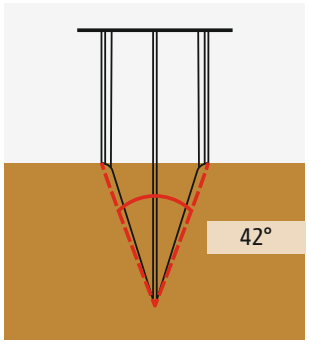
Packer for Cayron and Cayros ploughs

C-Pack 900 S

Thanks to the large 900 mm ring diameter the packer is especially easy to pull. The ring profile features a flank profile of 36° ensuring on heavy soils a deep reconsolidation and little sinking into the soil. With the shoulder integrated in the ring profile the packer achieves on light soils an angle of 42°, which guarantees the optimum support of the packer and depth effect. Due to this ring profile, an especially universal application on different soils is possible. The design of the packer without a centre hub allows the modular extension of the furrow width and the wear resistant cleaning belts ensure a blockage-free operation.



Heavy soil
Support on the flank



Light soil
Support on the shoulder

Cam ring roller 550

For the intensive levelling and crumbling of the soil, the C-Pack 900 S can, from choice, be equipped with an additional Cam ring roller. The 500 mm diameter cam rings also have no centre hub which permits again any modular extension. As being extremely comfortable and end user-friendly, turns out to be the easy transport of the cam ring roller. By simply pushing together the packer and the cam ring roller these are automatically fixed for road transport.

The top benefits

- Universal ring profile with a flank angle of 36° and additional integrated shoulder. Ring diameter 900 mm.
- The ring design without centre hub permits a modular extension of the furrow width.
- Integrated cleaning belts for a blockage-free operation.

Cam be extended with

- Cam ring roller for the intensive levelling and crumbling
- Simple conversion from work to transport position

Technical data; C-Pack 900 S packer

Model	C-Pack 2400-900 S	C-Pack 2600-900 S	C-Pack 2800-900 S	C-Pack 3000-900 S
Working width (m)	2.40	2.60	2.80	3.00
Number of packer rings	12	13	14	15
Weight without following implements (kg)	approx. 1,300	approx. 1,400	approx. 1,450	approx. 1,550
Ø Ring packer (mm)	900			
Packer ring spacing (mm)	200			
Weight with cam ring roller (kg)	approx. 2,000	approx. 2,100	approx. 2,250	approx. 2,350
ØCam ring roller (mm)	550			
Cam ring roller spacing (mm)	160			

AMAZONEN-WERKE H. DREYER GmbH & Co. KG
P. O. Box 51 · 49202 Hasbergen-Gaste/Germany
Phone +49 (0)5405 501-0 · Fax +49 (0)5405 501-193

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