AMAZONE

Cayron
C-Pack

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. 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

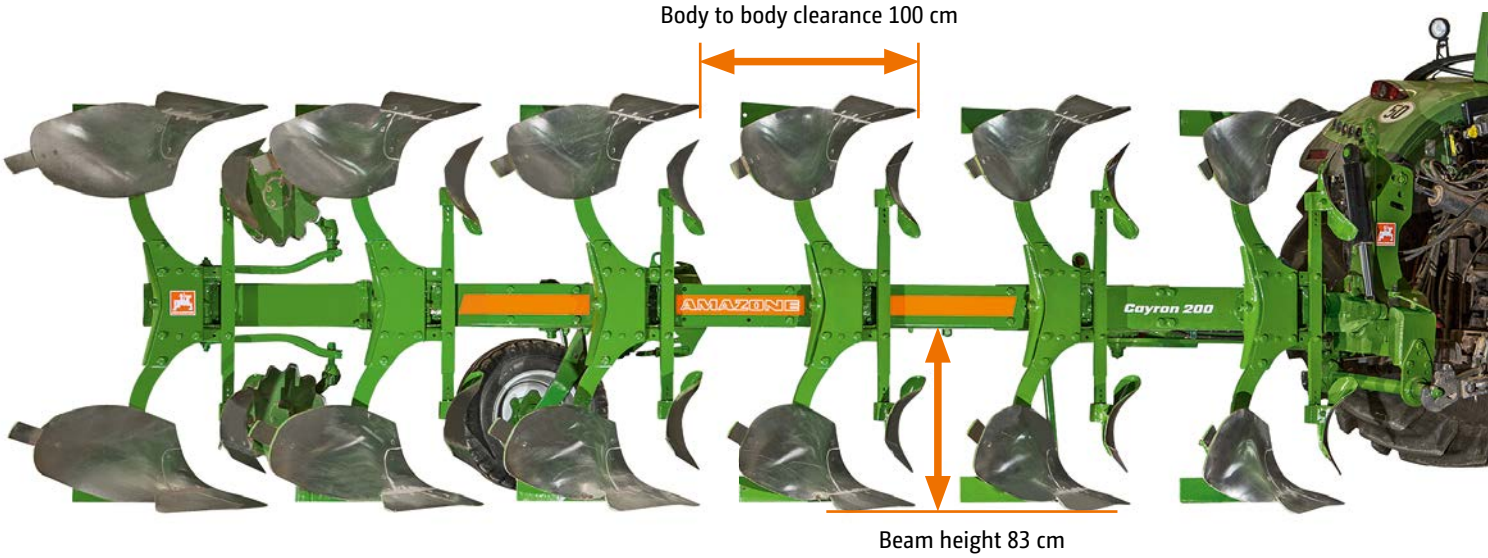
Robust plough beam

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.

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.

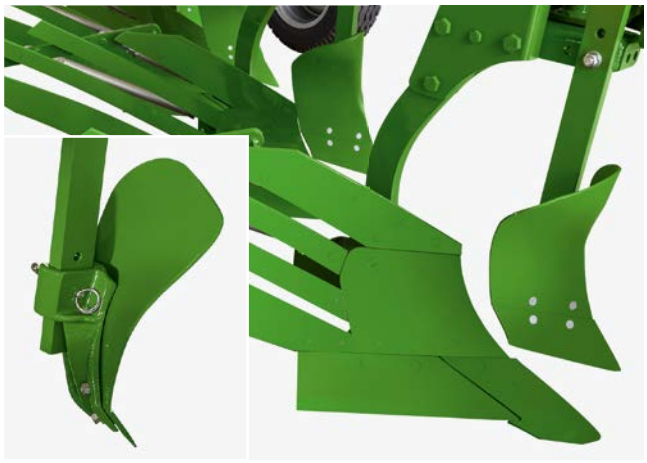
During the adjustment procedure, the front furrow width is automatically matched via the linkage system to ensure a continuous, optimum quality of work.

Soil-engaging metal

M1 skimmers

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

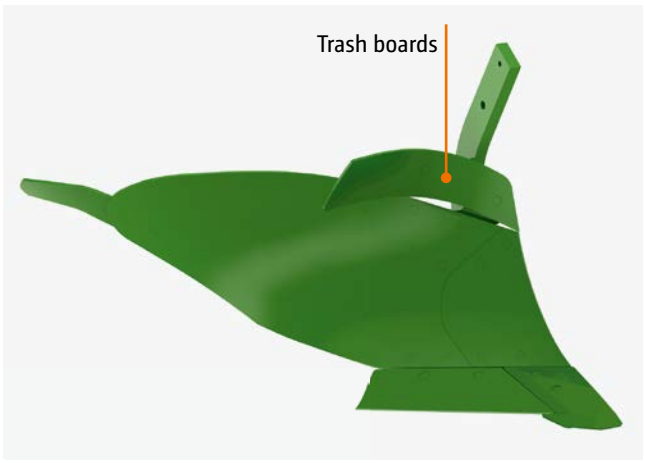
Fitted on a flat stem with, from choice, two different fixing points to the plough body for the best possible clearance and blockage prevention. As standard, tool-less depth setting via a series of holes.



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

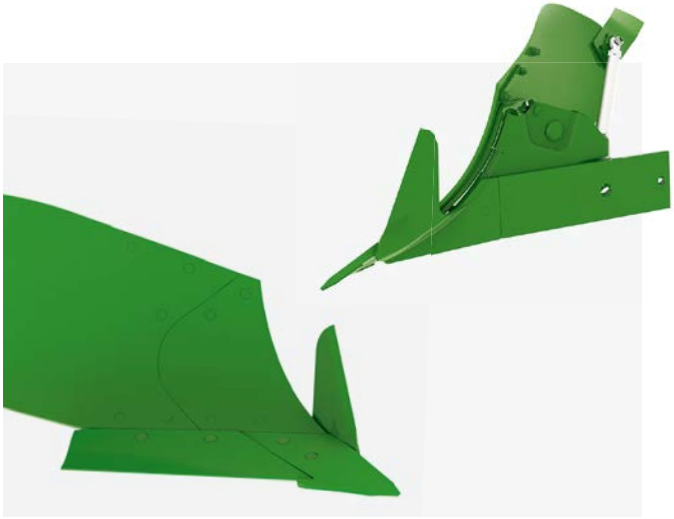
Provides a clean furrow edge. Serrated, or also smooth, 500 mm diameter coulter discs with taper roller bearing.

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

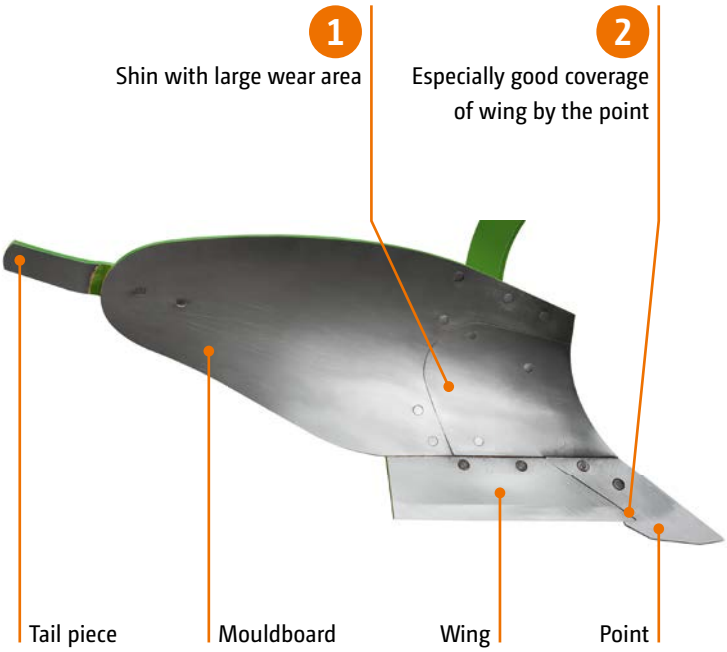
– less suited o suited + well suited ++ very well suited

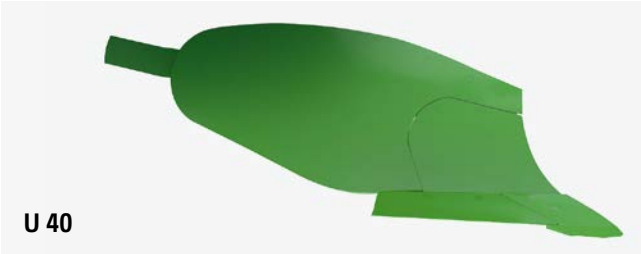
C-Blade – the special plough body

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 V

	5 furrow plough	6 furrow plough
Model	Cayron 200 V	Cayron 200 V
Working width adjustment	Hydraulic	Hydraulic
Working width per body (cm)	30 to 55	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

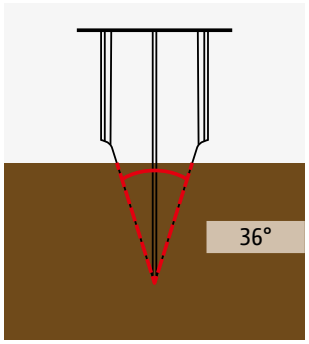
To help prepare the field for the following sowing operation, targeted reconsolidation after ploughing is ideal. In many cases, there is insufficient time for the settling of the soil after ploughing and natural tilth formation does not take place so that combining two operational passes is an optimal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

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

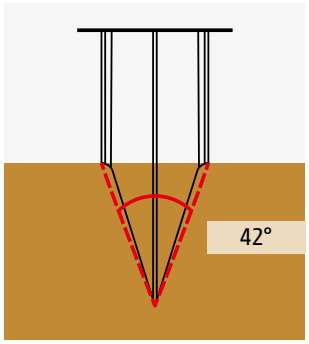
Packer for Cayron ploughs

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			

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