



AMAZONE

Hektor



Hektor semi-mounted reversible plough



With the Hektor, AMAZONE offers a semi-mounted reversible plough in 6 to 8 furrows with a stepped furrow width adjustment from 38 to 50 cm. The Hektor, which has been designed for use in demanding conditions and yet with easy handling and set-up in mind, is a robust implement built to last for tractors up to 360 HP.



Efficient – comfortable

	Page
The top benefits	4
Beam & depth control Plough settings	6
Stone safety release Hektor or Hektor S	8
The ©plus hardening process	10
The plough bodies	12
Soil-engaging metal	14
Technical data	16

Robust technology that gives the highest efficiency and operational reliability



Up to **360 HP**

6, 7 or 8 furrows

Tough headstock
with end position damping

The top benefits

- ⊕ Efficient and robust semi-mounted reversible plough with high operational reliability
- ⊕ The standard hydraulic front furrow width adjustment ensures a constant optimum plough profile
- ⊕ Outstanding wear properties and easy pull of the plough bodies due to the unique ©plus hardening process
- ⊕ Wide variety of suitable plough bodies for all applications and conditions
- ⊕ Smooth and material protecting turnover procedure thanks to the turnover mechanism with hydraulic end position damping
- ⊕ The substantial support wheel ensures an exact depth control and the optimum soil structure protection
- ⊕ Maximum safety and comfort in the transport position due to the standard suspension of the wheel
- ⊕ Rugged plough beam with the option to extend it by one furrow
- ⊕ Shear bolt leg components create the highest release forces for the most arduous of soil conditions
- ⊕ Hydraulic NonStop stone safety device with a spacious lift height and additional shear bolt

Shear bolt or NonStop stone safety device



@plus
hardening process
for longer-lasting wear parts

Extensive plough body range with a choice of

8 plough bodies

Hydraulic front furrow width adjustment



FOR FURTHER INFORMATION
www.amazone.net/hektor

Simple and precise



Robust beam

The back bone of the plough is the robust 150 x 150 x 12 mm beam. The 100 cm point to point clearance between bodies and the 82 cm beam height ensure good material passage even where large amounts of plant mass prevail. With the mechanical, stepped furrow width adjustment offering 38, 42, 46 or 50 cm, the Hektor can be matched to differing situations with regard to both tractor and soil conditions.

- ✓ Blockage-free ploughing even in large amounts of crop residues
- ✓ On request: extendable beam

Gentle turnover action

The new swing-arm system that forms the front connection between plough beam and turnover mechanism, ensures the maximum true track following and the optimum pull line of the combination. The turnover cylinders, with hydraulic end positioning damping, guarantee a smooth, sequenced turnover procedure for the plough.

- ✓ Comfortable and gentle turnover

In combination with the tractor

Particularly convenient is the parking position of the Hektor in its transport position. As the tilt adjustment does not have any influence on the position of the lower link cross shaft, the coupling and uncoupling of the plough on and off the tractor is particularly comfortable. The lower link cross shaft is, from choice, available in either Cat. 3 or Cat. 4N.

- ✓ Comfortable coupling to the tractor
- ✓ Exceptional space-saving parking position

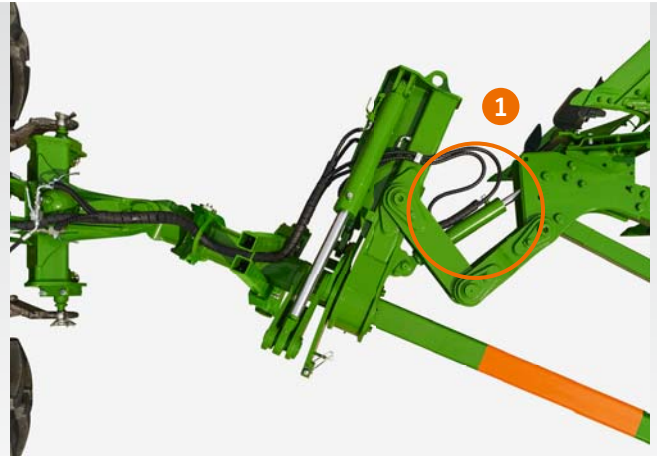
Exact depth control

The large-dimensioned support wheel (500/45 – 22.5) means an optimum ground drive and the exact depth control; even under the most arduous of conditions. The scraper reliably cleans the wheel. The support wheel is positioned to the side of the frame so that ploughing close up to the field border is possible. The standard hydro-pneumatic suspension of the support wheel provides maximum safety and the highest comfort on the road.

- ✓ Safe and comfortable transport travel
- ✓ Reliable depth control



Comfortable down to the last detail



Hydraulic front furrow width adjustment

Plough adjustment

The very comfortable adjustment of the plough enables consistently excellent working results. In addition, a plough which has been optimally adjusted reduces the fuel consumption as well as the wear. Setting the Hektor is carried out comfortably and clearly in three steps.

- ① The standard hydraulic front furrow width adjustment changes the working width of the first plough body directly and responsively and matches it to the inner track dimension of the tractor. This ensures the clean matching to the next bout and is especially useful when in changing soil types and on different tractors.
 - ✔ Very useful when frequently changing tractors or when working on sloping terrain
 - ✔ Exceptionally clean furrow
- ② The setting of the plough tilt is done without tools and is adjustable individually for the right and left hand side.
- ③ The working depth is set steplessly and without tools via the support wheel.



Adjustment of the plough tilt



Depth adjustment via the support wheel

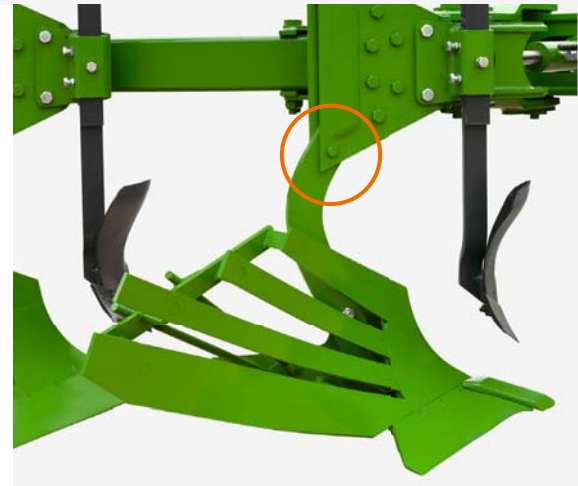
Stone safety release Hektor or Hektor S

Hektor with shear bolt stone safety protection

The shear bolt is the proven standard solution. Under load, the shear bolt snaps off at the predetermined breaking point and the plough body gives way to the obstacle by swivelling upwards. Raise the plough, insert a new shear bolt and off you go. The high release forces of the shear bolt allow operation also in heavy and hard soils.

The advantages:

- ✓ Double action shear bolts
- ✓ Hardened flange plates
- ✓ High-quality shear bolts; in 10.9 quality



Hektor with shear bolt stone safety protection



Pitching the hardness of steel against that of stone: mechanical or fully automatic

Hektor S with NonStop stone safety device

The hydraulic NonStop stone safety release features, in principle, one hydraulic cylinder per plough body with each one directly connected to a nitrogen-filled hydraulic accumulator. 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.

The NonStop stone safety device is available in 2 versions.

The advantages:

- ✔ Simple adaptation of the release force
- ✔ Smooth and material protecting operation
- ✔ Interchangeable ball joints
- ✔ As standard, with additional shear bolt

Central hydraulic accumulator on the hydraulic ram

In its simplest version, the hydraulic accumulator is directly combined with the hydraulic cylinder forming a compact unit.

The advantages:

- ✔ The plough bodies release completely independently of each other
- ✔ The plough bodies can be pretensioned differently
- ✔ No hydraulic hoses or pipes on the plough beam

Hydraulic accumulators with inter-connected pipework

Via the connection of the individual components, the release force can be also adjusted centrally across all the bodies. One isolator valve per hydraulic accumulator means that the setting on each plough body can, from choice, also set separately to different pressures.

The advantages:

- ✔ The adjustment of the release force is carried out across all plough bodies in just one step (even whilst on the move)
- ✔ Similar cross-sectional area of the hoses means that each furrow has only a slight influence on each other



First-class quality for long-lasting wear parts



The Hektor semi-mounted reversible plough in work

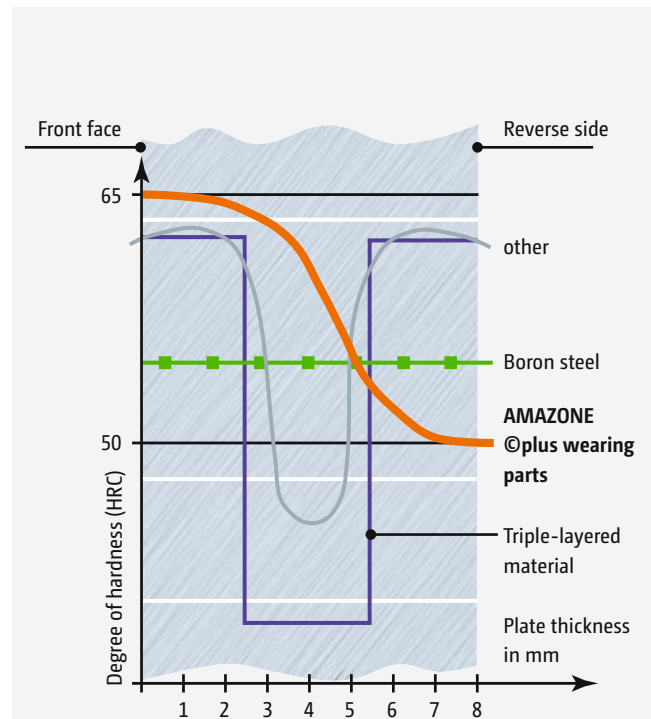
The ©plus hardening process

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 wearing 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.

Benefits of the ©plus hardening process:

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



The plough bodies

Body profile									
Selection criterion		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 soil	++	++	+	o	+	++	++	+
	Heavy soil	++	+	++	+	++	++	+	o
	Very heavy soils (clay)	++	o	++	+	++	++	o	–
	Light, sticky soils (peat)	–	o	o	++	o	+	++	+
	Heavy, sticky soils (clay)	+	+	++	++	++	++	+	o
Quality of work	Sloping terrain	o	++	–	–	o	+	+	–
	Crumbling	+	++	o	o	+	+	++	++
	Furrow clearance	+	++	+	+	++	++	++	+
	Lower 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

Easy pulling from the tip

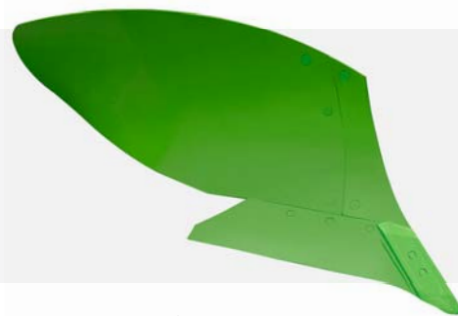
The basis for efficient ploughing is naturally to ensure the least tractor pulling power possible and thus less diesel consumed. In combination with the unique ©plus harden-

ing process which gives a very hard and smooth surface, the clever design guarantees the ease of pull for which AMAZONE ploughs are renowned.

WY 400

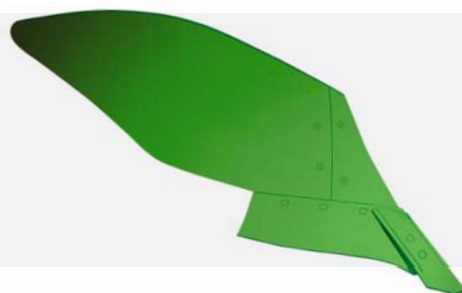
Scrolled, universally usable from light to very heavy soils. It is extremely easy-pulling.

- ✔ For working depth 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.

- ✔ For working depth 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.

- ✔ For working depths from 12 to 25 cm

WX 400 PE

Very shallow, scrolled plough body for very heavy soils. Equipped with a mouldboard made from special plastic and thus featuring optimum cleaning properties for extremely sticky soils.

- ✔ For working depths from 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.

- ✔ For working depths from 15 to 28 cm

WXH 400

Particularly scrolled body for medium to very heavy soils, especially easy to pull and very good furrow clearance.

- ✔ For working depths from 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.

- ✔ For working depths from 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.

- ✔ For working depths from 15 to 30 cm (UN 400)
- ✔ For working depths from 20 to 40 cm (UN 430)

For the highest demands



Deflector plates

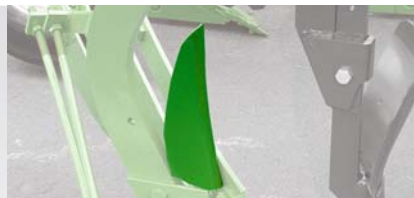
A cost-effective alternative to skimmers when incorporating surface crop residues. With additional leg support as standard.

Deflector boards

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

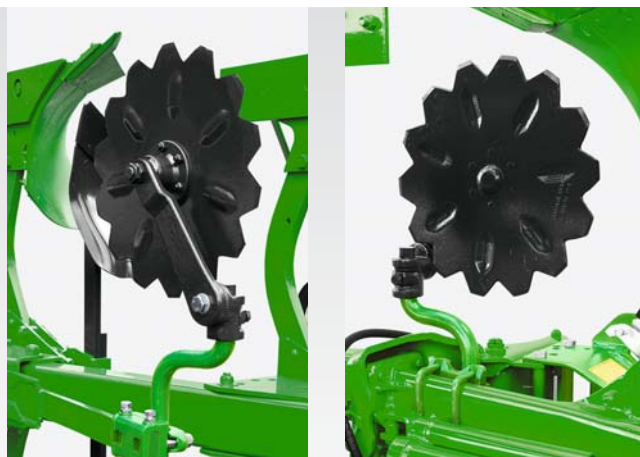
Sword landsides

Cost-effective alternative to disc coulters reducing the wear on the plough body.



Soil-engaging metal

Proven and safe



Left: Disc coulters on shear bolt ploughs

Right: Disc coulters on NonStop stone release ploughs

Disc coulters for a clean ploughing performance

The disc coulters is important for a clean ploughing performance. 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.

Serrated 500 mm or 600 mm diameter disc coulters are available. The depth of the coulters is adjusted via finely graduated toothed dishes.

Disc coulters on shear bolt ploughs

For ploughs with a shear bolt safety device, the useful knee lever clamping is used. This allows both sides to be adjusted at the same time. In addition the system is adjustable in a forward direction so that plenty of space between the body and coulters remains (blockage-free clearance).

Disc coulters on NonStop stone release ploughs

On ploughs with NonStop stone safety release, the disc coulters is fitted on the tripping leg of the stone safety release. When the overload protection system is released, the disc coulters 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.

M0 Skimmer

The use of a skimmer ensures, even under difficult conditions, blockage-free ploughing. The M0 skimmer is universally suited for use in grassland ploughing as well as where there are large amounts of crop residues, especially maize straw.

- ✓ The skimmer M0 is also available in a fully adjustable version (working depth, stepless pull-in force and three-step throwing angle adjustment). An additional wear plate ensures a longer service life.





Technical data:

Hektor semi-mounted reversible ploughs



Model	Hektor 1000			Hektor 1000 S	
	6 furrow	7 furrow	8 furrow	6 furrow	7 furrow
Tractor power up to (kW/HP)	265/360				
Interbody clearance (cm)	100				
Beam height (cm)	82			78 or 82	
Working width adjustment	Mechanical in steps				
Working width per body (cm)	38, 42, 46, 50				
Stone protection system (Model)	Shear bolt			NonStop hydraulic	
Support wheel (dimension)	500/45 – 22.5				
Weight of the base machine (kg)	3,070	3,340	3,610	3,480	3,810

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.



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