



AMAZONE

Trailed shallow cultivator ***Cobra***



Welcome to the world of shallow soil tillage: **The Cobra from AMAZONE**



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Get on top of shallow soil tillage with the Cobra from AMAZONE

Its universal application makes the Cobra trailed shallow cultivator a true all-rounder that can be used throughout the year.

Catch crops can be destroyed with the Cobra in spring, the organic matter being shredded by the knife roller to improve decomposition and prevent blockages.

There is a plenty of work for the Cobra in summer: with the first pass, capillarity is broken which conserves water and encourages volunteer cereals to germinate. In the second pass, for mechanical weed control, the roots of weeds are undercut across the full working width and brought to the surface. The roots are dragged out from the soil by the harrow and left to dry out in the sun.

Not just in autumn, but also in the spring, the Cobra can be used to prepare the perfect seedbed by producing fine soil through its intensive crumbling, before levelling and then reconsolidation via the rollers.

The Cobra from AMAZONE – the multifunctional cultivator for shallow soil tillage!

The Cobra concept

The all-rounder for shallow soil tillage

1. Drawbar and mounting

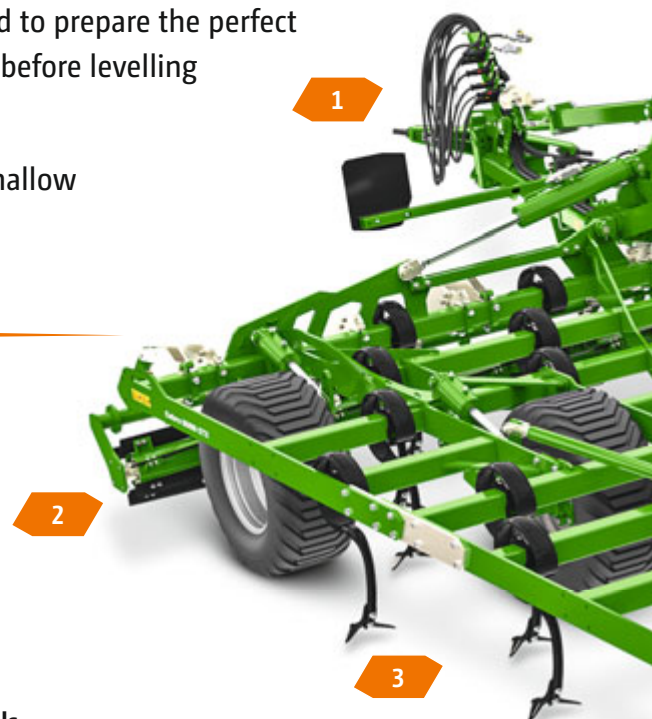
- Rigid or hydraulic drawbar
- A wide range of mounting options from lower link and ball point coupling to various towing eyes

2. Optional leading tools

- Crushboard
- Knife roller

3. Tine element

- ECO leaf-spring tines
- 6-stagger tine layout
- Tine spacing 13.3 cm
- Frame height 60 cm
- Duckfoot share or narrow share

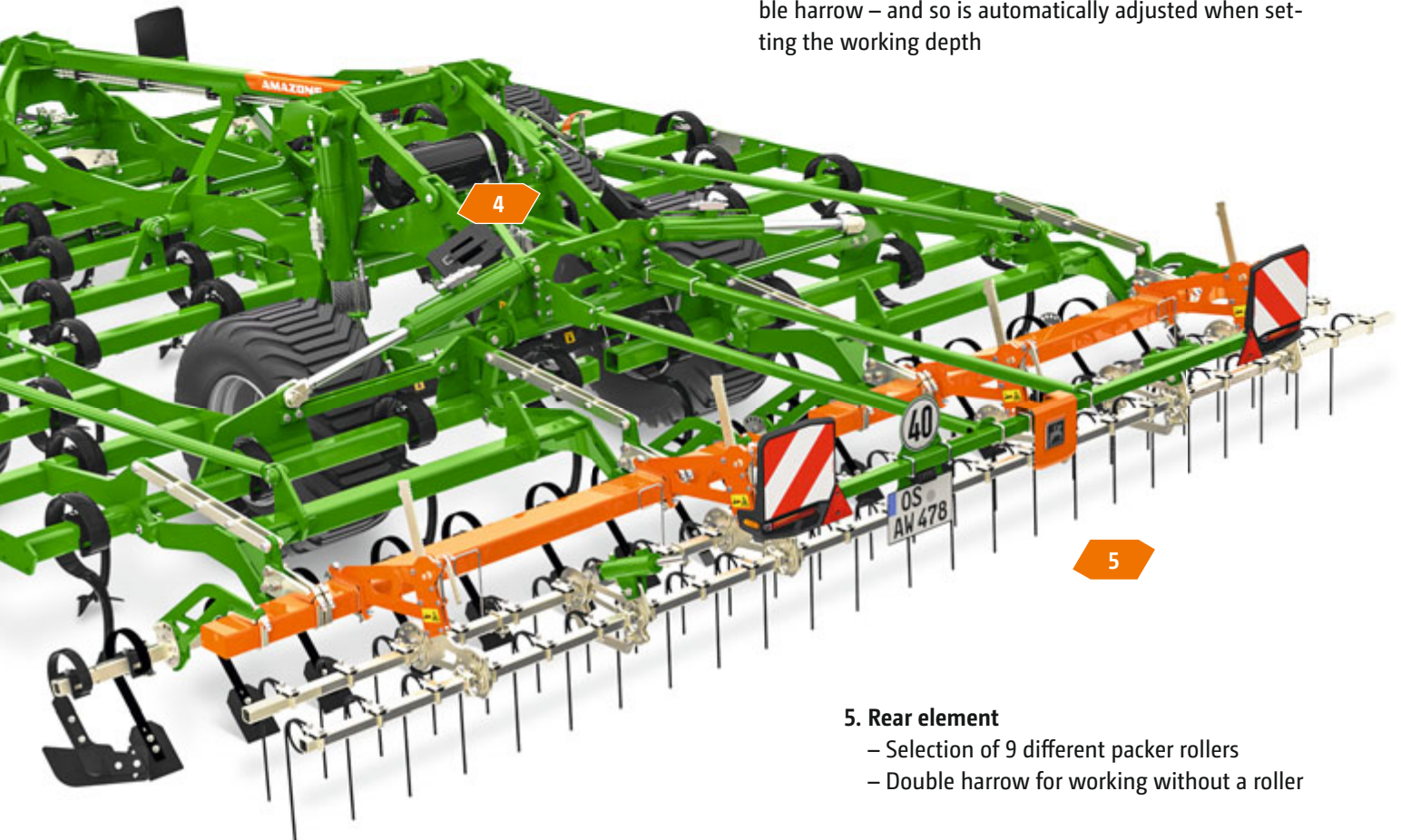


Cobra Multi-Tool - flexible in use all year round!

	Spring	Summer		Autumn/Spring
Scope of operation	Catch crop destruction	1. pass:	2. pass:	Seedbed preparation
Objectives	– Stop plant growth – Shred plants and incorporate them into the soil – Promote rotting	– Break the capillarity – Promote germination of volunteer cereals and weed seeds	– Control weeds and volunteer cereals	– Control weeds – Seedbed preparation
Implementation	– Shredding – Shallow surface disturbance – Mixing – Soil removal from roots with double harrow	– Shallow surface disturbance – Mixing – Reconsolidation	– Shallow surface disturbance – Mixing – Soil removal from roots with double harrow	– Levelling – Fine soil production – Mixing – Reconsolidation

4. Depth control

- Depth control via the support wheels and parallelogram mounted roller
- Levelling unit mounted on the frame for the roller or double harrow – and so is automatically adjusted when setting the working depth



5. Rear element

- Selection of 9 different packer rollers
- Double harrow for working without a roller

Cobra multi-functional shallow cultivator

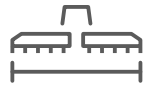
Versatility in perfection



MORE INFORMATION
www.amazone.net/cobra



PRODUCT FILM
Video of the Cobra 6000-2TX in use



6 to 7 m



4 to 13 cm



Up to 16 km/h



13.3 cm

Shallow soil disturbance – Intensive mixing

The complete all-rounder in the field: the high-output, universally usable Cobra multi-functional shallow cultivator has a wide range of applications. From catch crop destruction and shallow stubble cultivation to seedbed preparation, the Cobra is the right machine for shallow and medium-deep soil tillage. Due to the wide range of leading tools, points and rollers, the implement can be adapted to virtually any field conditions.



OUTPUT

High performance!

High output thanks to the large working width and high working speed.

The large overlap of the duckfoot shares ensures a reliable, full-width, shallow surface disturbance of both soil and organic matter.



FLEXIBILITY

Adaptable!

Highly flexible thanks to the large number of tools and equipment options, including a knife roller for shredding organic matter or a Crushboard for levelling.

Quick changeover between double harrow and packer roller provides versatility.



SUSTAINABILITY

Environmentally-friendly!

Mechanical weed control makes it possible to save on chemical plant protection agents.

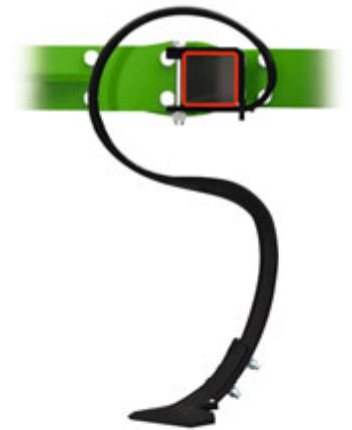
Water-conserving soil tillage ensures that the soil capillarity is broken and less water evaporates.

For full shallow surface disturbance

Tine element with ECO leaf spring tines

The Cobra from AMAZONE – the specialist for shallow and medium-deep tillage at working depths from 4 to 13 cm. Thanks to the short vibration movements of the ECO leaf spring tine, not only is the crumbling of the soil improved but also the cutting effect of the duckfoot shares. Unlike other shallow cultivators on the market, the AMAZONE ECO leaf spring tine is much more rigid in the soil despite the vibration movements. This means that the tines give way much later, even in heavy and dry soils, enabling a full shallow surface disturbance, even under difficult conditions.

This provides reliable mechanical weed control in all conditions.





Duckfoot share 220 mm x 6 mm	Duckfoot share 220 mm x 12 mm	Duckfoot share HD ^{Pro} 220 mm x 12 mm	Narrow point 50 mm x 6 mm	Narrow point HD ^{Pro} 50 mm x 25 mm
 4 – 8 cm	 4 – 8 cm	 4 – 8 cm	 8 – 13 cm	 8 – 13 cm

Mixing intensity

Working depth

The working depths are just a guideline and will depend on the soil conditions

- ❗ "In the field, the tines tracked well and, when working at a shallow depth, they impressed with their consistent working depth."

("profi" – Test report · 05/2024)

Advantages of the Cobra

- ✔ The duckfoot share enables mechanical weed control by moving the full soil surface
- ✔ The narrow point is perfect for seedbed preparation
- ✔ Despite the vibration movement, the ECO leaf spring tines remain at a consistent depth in the soil, even in hard going



Leading tool options

The right combination for any application



Cobra 6000-2TX with knife roller

Knife roller – shredding and incorporation of crop residues or catch crops

The knife roller on the AMAZONE shallow cultivator provides maximum flexibility for soil tillage. The knife roller enables extremely shallow soil tillage with simultaneous shredding of the stubble, such as during that initial stubble cultivation after rape. However, the knife roller is also ideal for working in tall catch crops, volunteer cereals or maize stubbles. In particular, long stubbles are cut transversely to the direction of travel and then incorporated by means of the following shares.

The knife roller is lowered into the working position from the tractor seat during work. Its division into different segments enables the knife roller to follow the ground contours perfectly, even in uneven terrain, and effectively shred any crop residues.

✓ Intensive cutting and shredding

- Optimum cutting action as a result of the high peripheral speed with a roller diameter of 330 mm
- Improves the shredding and incorporation of long plant residues, thereby promoting an accelerated decomposition process

✓ Easy to set up, reliable in operation

- Excellent contour following thanks to the individual roller sections
- Maintenance-free bearings with a long service life thanks to a metallic face seal
- Insensitive to stones and dirt due to the enclosed design of the roller core
- Wear costs halved thanks to reversible knives made of tempered, boron steel with two cutting edges

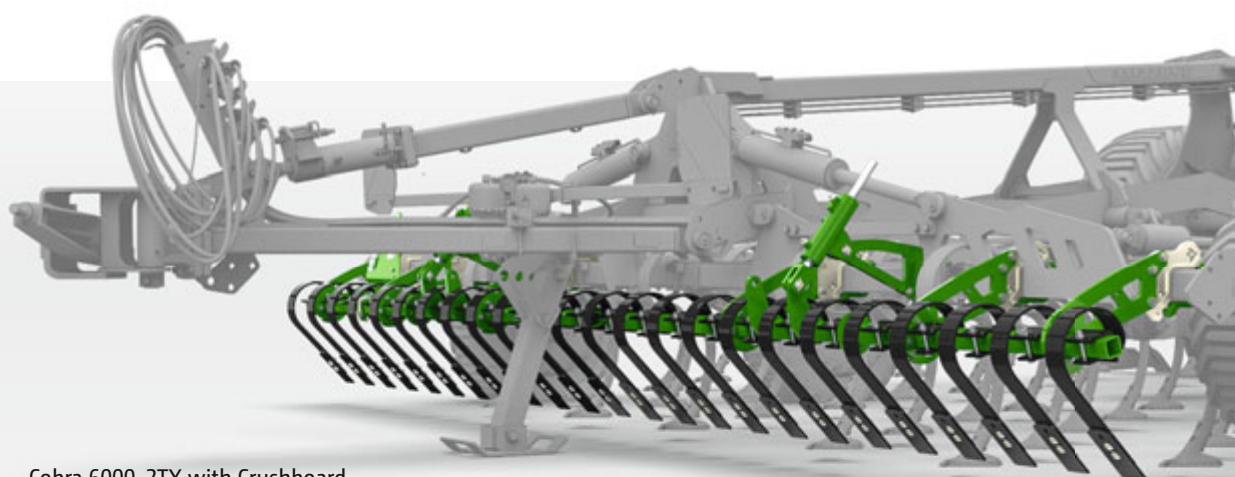
✓ Fully hydraulic depth adjustment from the cab with an easy-to-read scale



Crushboard – better levelling and crumbling

The Crushboard is available as an option to achieve even better levelling and crumbling. This special option enables, for instance, coarse clods on the surface to be broken up after ploughing as well as optimum preparation of the seedbed.

- ✔ **Seedbed preparation**
 - Breaking of the surface crust and additional crumbling when in coarse, cloddy conditions
 - Very good levelling of the soil surface
- ✔ **Stubble cultivation**
 - Breaks open pods (e.g. rape) and promotes volunteer germination
 - Rape or maize stubbles are knocked about, thereby promoting decomposition
- ✔ **Fully hydraulic depth adjustment from the cab with an easy-to-read scale**

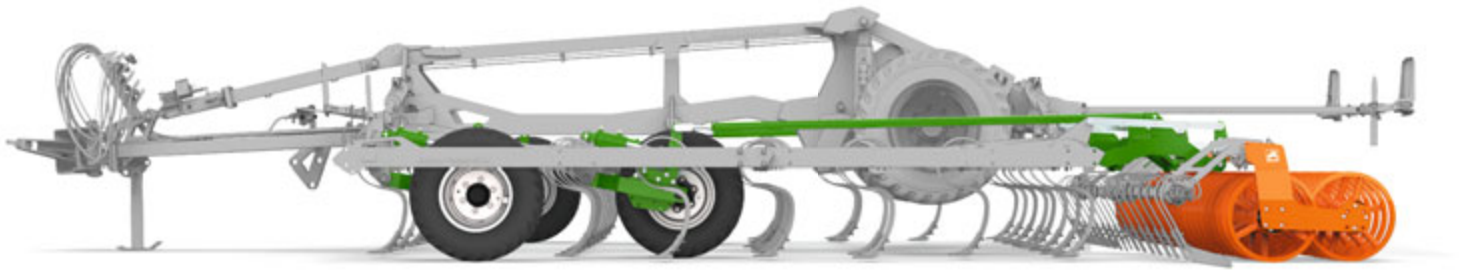


Cobra 6000-2TX with Crushboard

Depth control

Precision via support wheels and roller

1



1. Exact depth control with support wheels and the packer roller

The depth of the Cobra is adjusted via the packer roller and the large support wheels. These are integrated in the tine element to provide better matching to the topography of the terrain. Both components are mechanically connected by a coupling rod, in order to keep the relationship between the support wheels and packer roller constant at all times.

2. Exact depth control with support wheels and transport wheels when using the double harrow

When working with a double harrow, the depth is adjusted via the transport wheels and the front support wheels. A particular feature is that there are tines mounted behind the transport wheels to loosen any tracks produced by the running gear. The running gear is raised completely if the Cobra is being used with following rollers.

2



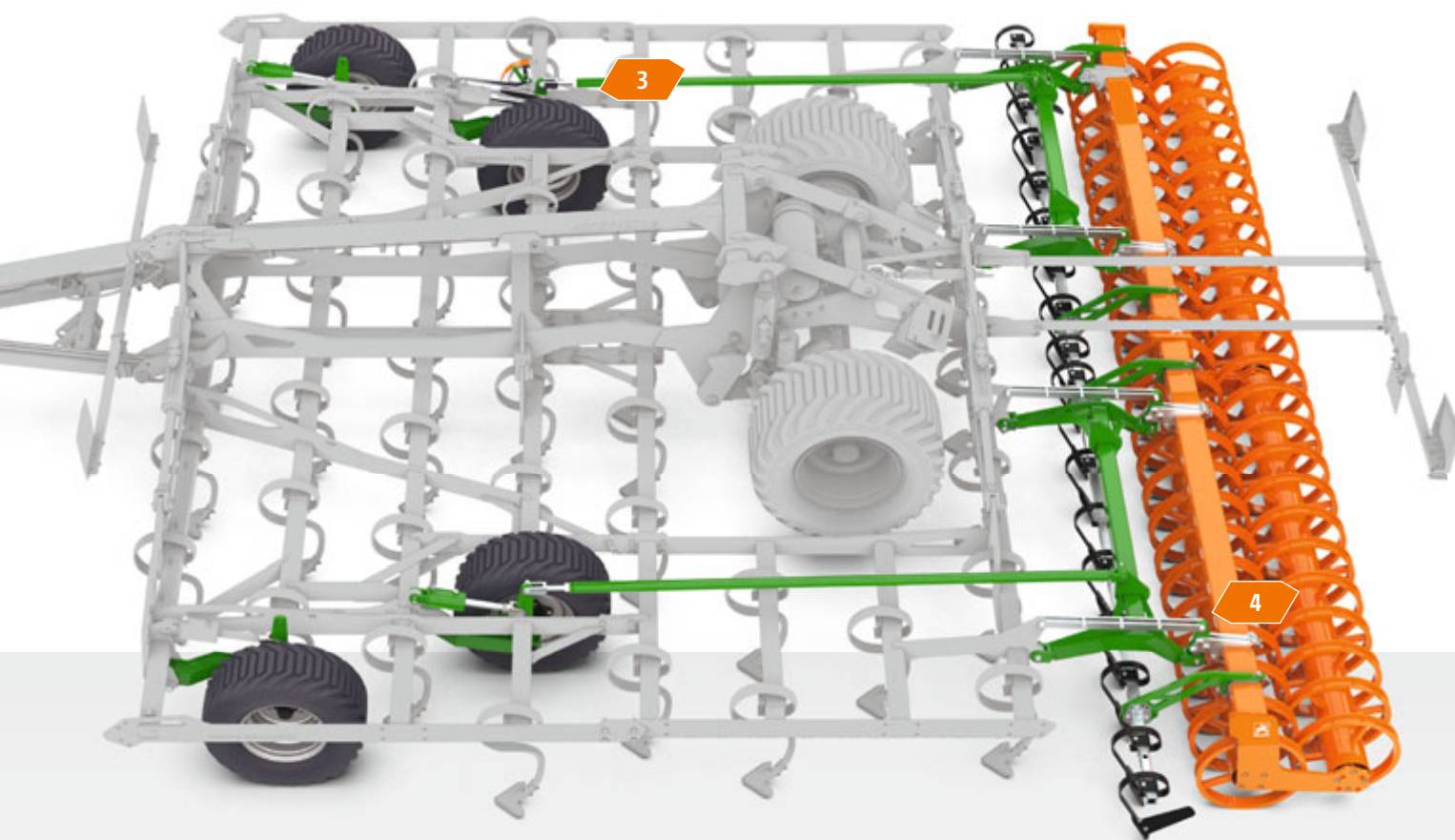


Working depth adjustment from the cab

The coupling rod (3) between the depth control elements provides uniform adjustment at both the front and rear of the implement. The working depth can be infinitely variably adjusted from the tractor cab, in order to enable individual reaction to the changing conditions within a field. An easy-to-read scale helps with the orientation for the driver. As an alternative, the working depth can also be mechanically adjusted. A spindle is provided on each of the support wheels for this purpose.

Levelling and roller control

Owing to the parallelogram-guided following roller, a continuous constant surface pressure is applied, even if double rollers are installed. Since the levelling unit (4) is connected directly to the roller, time-consuming working depth adjustment is not required here. The levelling unit consists of trailing tines. It is automatically protected from overload thanks to leaf springs and can be easily deactivated if there is excessive organic matter.



The roller range – reconsolidation and depth control

Various packer rollers for reconsolidation of the soil are available from AMAZONE.
The right roller for every farm!

													
Description, diameter		SW cage roller 600 mm				TW tandem roller 520/380 mm				UW U-Profile roller 580 mm			
Suitability		–	○	+	++	–	○	+	++	–	○	+	++
Soil suitability	Light, sticky soils (peat)												
	Light soils (sand)												
	Medium soils												
	Heavy soils												
	Heavy soils (clay)												
Working quality	Crumbling												
	Reconsolidation												
	Self-driving ability (less slip)												
	Carrying capacity												
	Insensitive to stones												
	Insensitive to sticky soils												
	Little tendency to block												
Weight/ m working width		114 kg				160 kg				125 kg			
Rear harrow		optional				–				optional			

– less suited
○ suited

+ well suited ++ very well suited





Standard roller bearing



HD roller bearing

Roller bearings

All following rollers on AMAZONE cultivators are equipped with bolt-on bearing shafts. This keeps repair work to a minimum in the case of bearing damage.

HD roller bearings

The HD bearing can be selected as an option for all trailed TX implements.

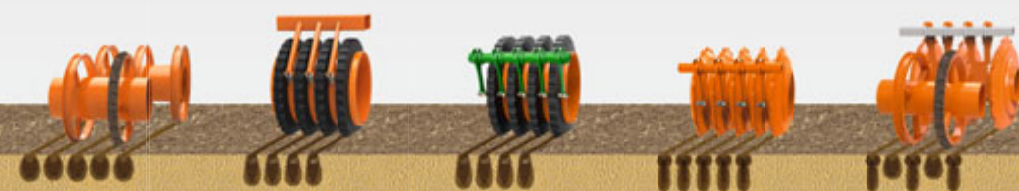
- ✔ Extreme service life thanks to a metallic face seal
- ✔ Completely maintenance-free with life-long lubrication thanks to the gear oil filling
- ✔ Robust and hard-wearing due to a spherical roller bearing instead of a ball bearing
- ✔ Ideal for high forward speeds and stony conditions



DUW Double U-Profile roller 580 mm*	KWM wedge ring roller with Matrix tyre profile 600 mm	KWM wedge ring roller with Matrix tyre profile 650 mm	DW disc roller 600 mm	DDU double disc U-profile roller 600 mm
- ○ + ++	- ○ + ++	- ○ + ++	- ○ + ++	- ○ + ++
185 kg	178 kg	205 kg	219 kg	255 kg
optional	optional	optional	optional	–

***DUW 580 pro:**

4 arms instead of 3, ideal for high working speeds and stony ground.



Trailed combination

Ideal seedbed preparation



Cobra 6000-2TX with the DUW packer roller and harrow system

The perfect supplement for seedbed preparation – in combination with a following roller

For seedbed preparation for maize or sugar beet, the Cobra can also be equipped with a harrow in addition to a large number of the rollers. The following harrow creates a very fine-crumbled soil surface structure and thus the perfect

germination conditions for the following crops. An additional advantage when using the harrow is the optimised straw distribution.



Harrow system for SW, KW and UW packer rollers



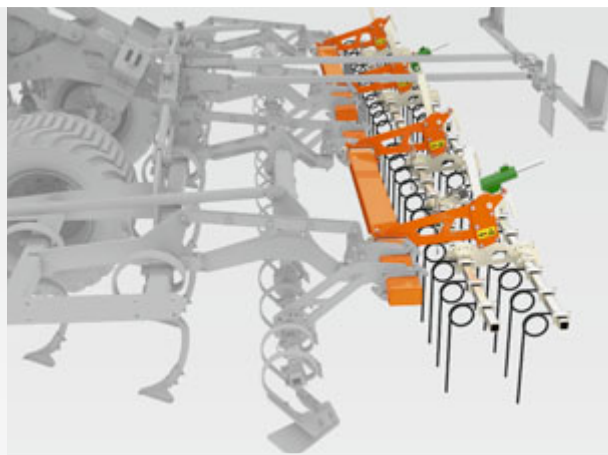
Harrow system for KWM & DW rear rollers



Harrow system for DUW rear roller

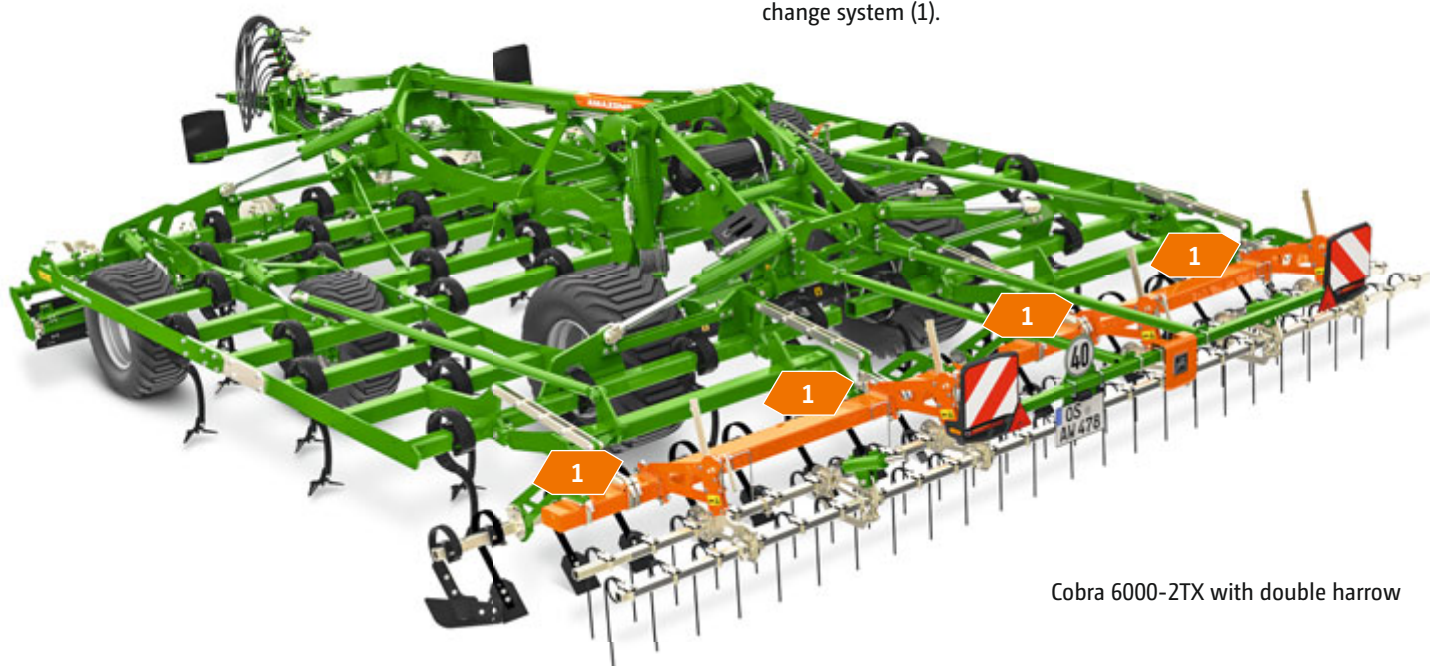
Double harrow

Working against weeds and volunteer cereals



Double harrow system

Changing from a packer roller to a double harrow is quick and easy, as the frames are secured via clamps to enable a quick-change system (1).



Cobra 6000-2TX with double harrow

The shallow duo – double harrow

The double harrow and duckfoot shares are the ideal combination for mechanical weed control and shallow soil tillage. The Cobra works at a shallow working depth and cuts the weeds off across the full working width. The following

double harrow pulls out the weeds without any further reconsolidation. Weeds and volunteer cereals lie exposed on the soil surface and are dried out by the sun.

Advantages of the Cobra double harrow:

- ✓ Hydraulic adjustment of the inclination of the harrow tines from the cab
- ✓ The harrows pull out the volunteer cereals and weeds and bring them to the surface
- ✓ Vibration of the harrow tines separates the soil from the roots
- ✓ The sun dries out volunteer cereals and weeds
- ✓ Reduction in the weed pressure without the use of herbicides
- ✓ Additional straw distribution and levelling behind the combine harvester

Result: improved field hygiene and reduction in the use of plant protection agents

Hitch up and go!

Drawbar, mounting and running gear



Running gear

Thanks to its oversized wheels (550/45-22.5), the integrated TX centre running gear ensures minimal surface pressure in the field. The compact design and the central positioning of the running gear mean that tight turning on the headland is not a problem. The optimum weight distribution also provides comfortable road transport at speeds of up to 40 km/h.



Lower linkage Cat. 4N



Lower linkage Cat. 3



Towing eye D=46



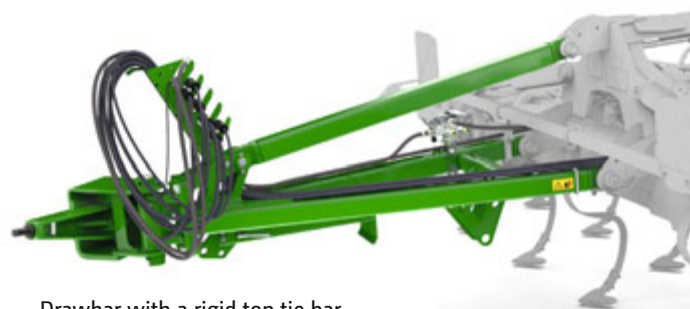
Towing eye D=79

Ball point coupling
M20/K80

Linkage systems for every tractor

Extensive mounting and drawbar options for every tractor are available for the Cobra. The flange plate allows the easy and quick mounting of any of the linkage options. Furthermore, the linkage category can be quickly changed on the lower link cross shaft.

Only the linkage pins are interchanged for this purpose. As a result, the appropriate linkage can be selected for any tractor, no matter whether Cat. 3, 4N or K700 lower link cross shafts, various towing eyes or the K80 ball coupling are used.

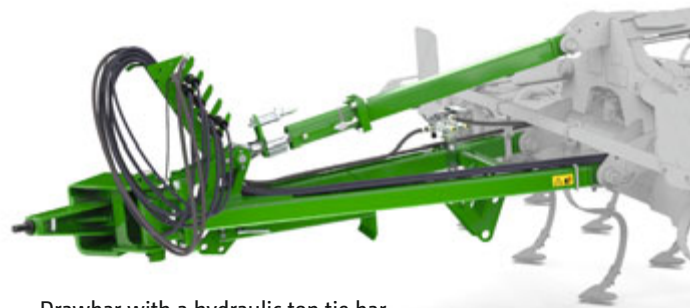


Drawbar with a rigid top tie bar

Drawbar for small turning circles

The slim drawbar of the Cobra offers a very tight turning radius both in the field and on the road. A rigid and a hydraulic drawbar are available from choice.

The drawbar with a rigid top tie bar is only available in combination with the lower link hitch. The hydraulic version can be combined with the lower link hitch, towing eyes or the K80 ball point coupling. The hydraulic top tie bar enables the machine to be easily lifted and lowered. A traction control system can also be specified as an option.



Drawbar with a hydraulic top tie bar



Pioneering arable farming with the Cobra

Full-surface movement leaves an optimum quality of work

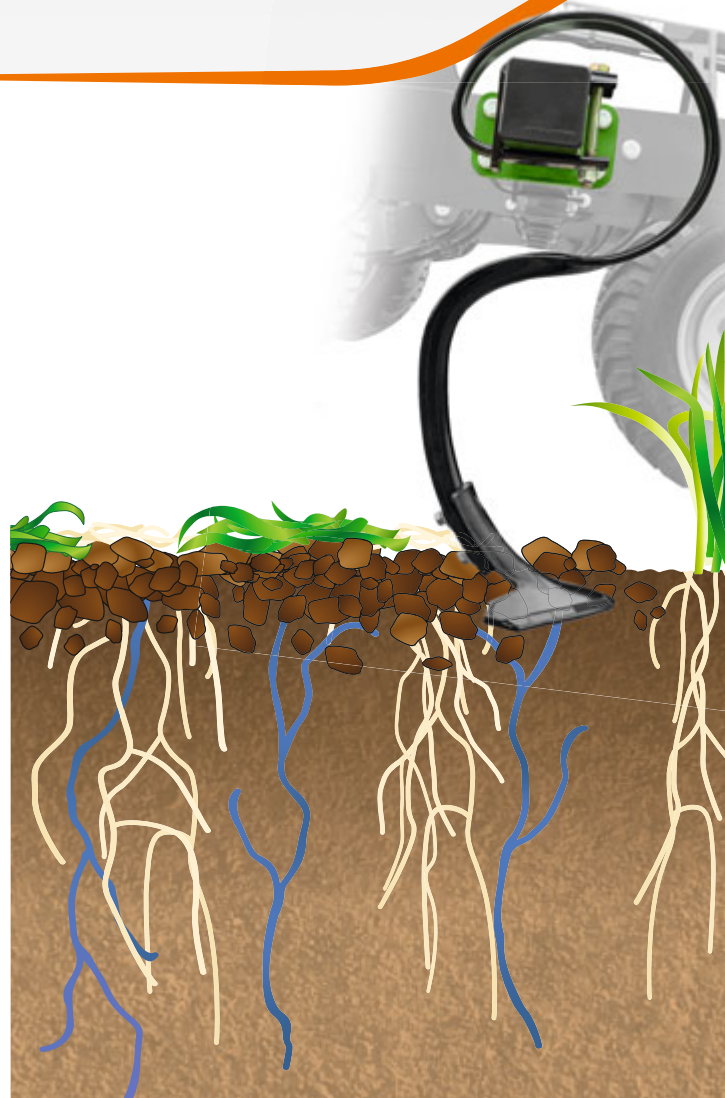
The Cobra is not only ideal in achieving its main goal of mechanical weed control, it can also be used on the farm all year round. It comes into its own in shallow stubble cultivation but also shows its strengths in the second or third deeper tillage pass, catch crop destruction and in seedbed preparation.

The Cobra's full-surface cut effectively combats weeds and germinated volunteer cereals. As the cut is very shallow, the soil life in the underlying layers is not adversely affected. On the contrary: the cut organic matter is encouraged to rot and becomes a new source of food for earthworms and other soil-borne creatures.

The shallow cut also breaks the capillarity of the soil surface, while earthworm burrows and root holes in deeper layers are not destroyed. Breaking the surface capillarity reduces the evaporation of important soil moisture and protects the water balance.

Preserving capillarity low down the soil structure enables the soil to absorb water more quickly during rainfall and improves air exchange.

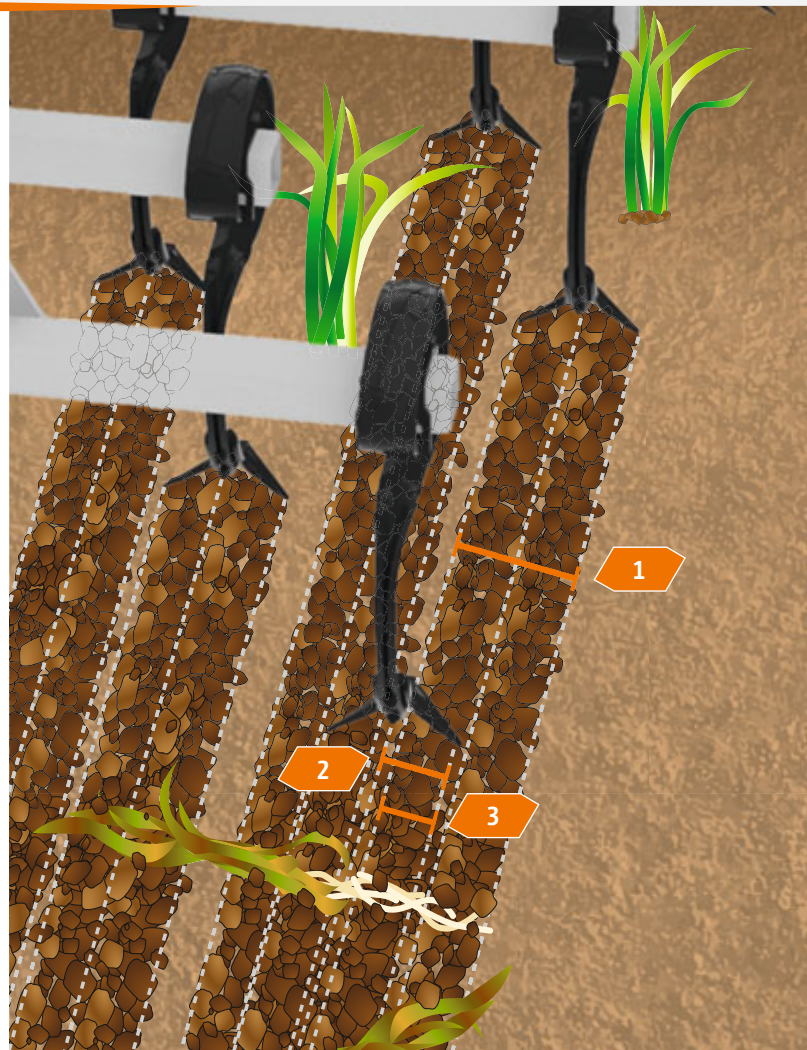
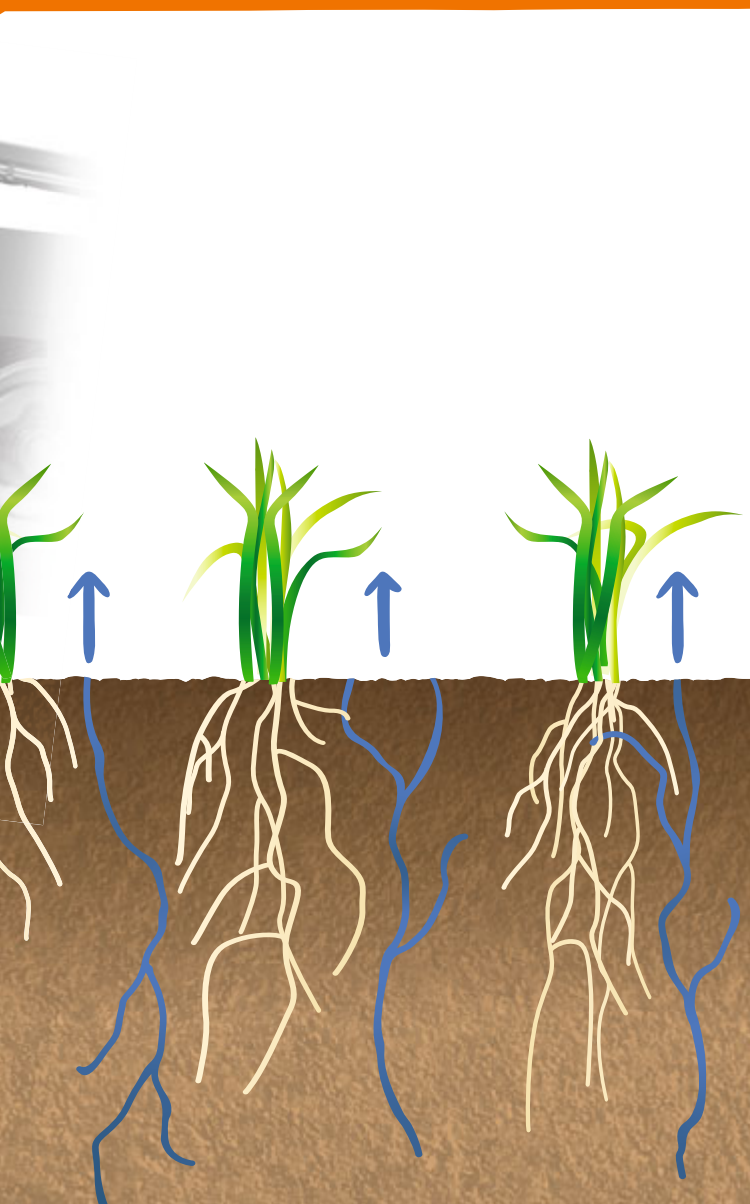
Protecting and promoting soil life, improving the soil's water balance and air exchange while effectively controlling weeds and preparing seedbeds. The Cobra from AMAZONE can do all this!



Side view of the cutting profile of the Cobra

The benefits:

- ✔ Versatile machine for a wide range of soil tillage tasks
- ✔ Individually configurable
- ✔ Long lifespan thanks to the robust construction



1. Working width per share
2. Half working width of the rear shares
3. Large overlap of the front and rear share for full shallow surface disturbance

The Cobra can be equipped with, for instance, duck-foot shares with a width of 220 mm. A tine spacing of 13.3 cm ensures sufficient overlap of the shares and therefore full-surface cutting under all conditions.







Cobra 6000-2TX and 7000-2TX



Advantages of the Cobra-2TX:

- ✓ Highly-flexible soil tillage thanks to the option of mechanical weed control, cultivating stubbles, catch crop destruction and seedbed preparation
- ✓ Various options for leading tools such as the knife roller and Crushboard, as well as trailed combinations of rollers and harrows for shredding, mixing, levelling and reconsolidation

Model	Working width
Cobra 6000-2TX	6.0 m
Cobra 7000-2TX	7.0 m



6 to 7 m



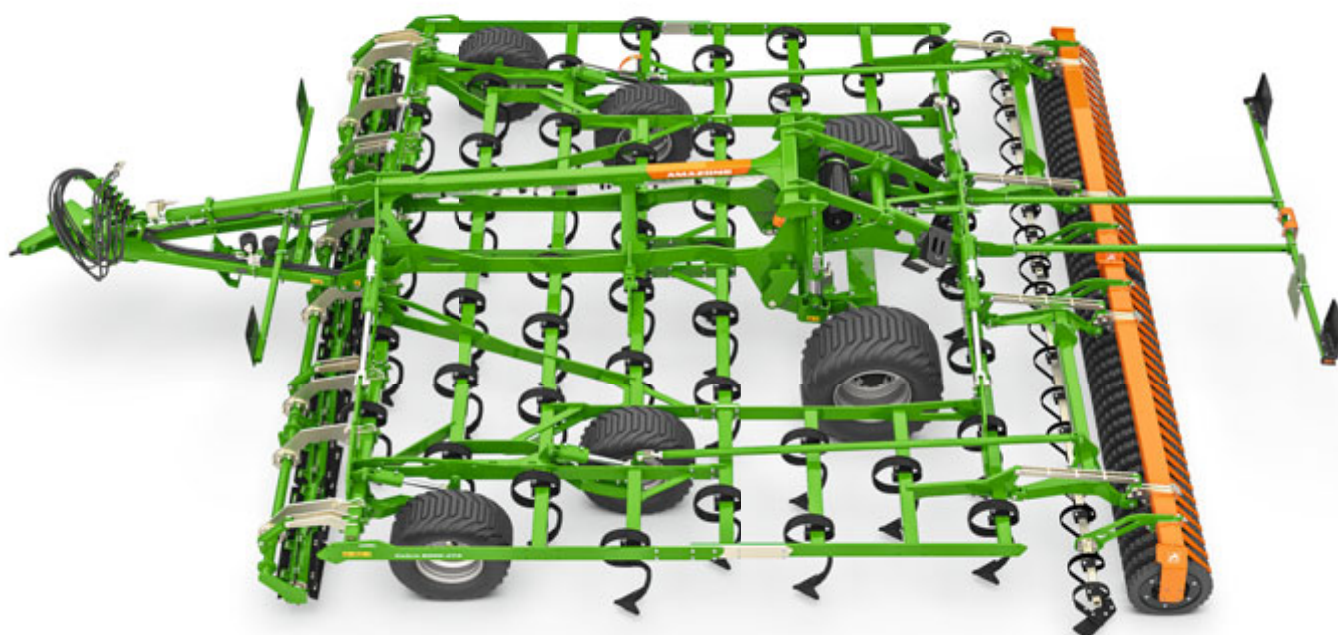
4 to 13 cm



Up to 16 km/h



13.3 cm



Cobra 6000-2TX with KWM 600



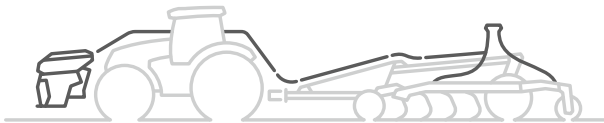
Adjustable side plate for perfect matching pass to pass



The hydraulic folding of the Cobra's tine element takes just a few seconds.

Universal conveying systems – the choice is yours!

Combine the trailed soil tillage range with an optimum seeding system ...



Model	Hopper capacity (l)
Catch crop seeders GreenDrill 501	500
Mounted front hopper FTender 1600 FTender 2200	1,600 2,200

Advantages of conveying systems with a segmented distributor head

- ✓ Optimum lateral distribution across the entire working width
- ✓ High application rates possible
- ✓ Variable with 12 to 48 outlets
- ✓ Part-area, site-specific sowing

... it makes no difference whether it's the GreenDrill or FTender

The universal conveying system enables you to combine your Cobra with different sowing systems. This means that the GreenDrill 501 with a hopper capacity of 500 l can be used in exactly the same way as the front hoppers with a capacity of 1,600 to 2,200 l. In addition to catch crops, other seeds or mineral fertilisers, such as micro-granules, can also be applied.



GreenDrill

Rear-mounted seeder box for fine seeds and catch crops



Cobra 6000-2TX carrying out catch crop sowing

Catch crop sowing and soil tillage in one pass

AMAZONE offers the GreenDrill 501 rear-mounted seeder box for the Cobra. This enables catch crops to be sown separately or together with the soil tillage. The GreenDrill seeder box has a capacity of 500 l and is easily accessible via steps.



Comfortable operation of the GreenDrill 501 via the ISOBUS terminal

The benefits

- ✔ Application of catch crops and fine seeds during soil tillage
- ✔ High application rates are also possible as a result of different metering rollers
- ✔ Even distribution via baffle plates
- ✔ Safe and convenient access via steps
- ✔ Precise metering with excellent lateral distribution
- ✔ Comfortable machine control via ISOBUS possible, thereby enabling part-area, site-specific processing of application maps



FTender

Mounted front hopper for high performance



FTender 1600 mounted front hopper with a capacity of 1,600 l



Easy exchange of the metering rollers



Seed baffle plates for broadcasting on the surface in front of the roller

FTender

AMAZONE offers the FTender, a universal mounted front hopper with a capacity of 1,600 or 2,200 l, for versatile use in combination with seed drills and soil tillage equipment.

Thanks to their complete ISOBUS integration, the hoppers can be operated via the ISOBUS operator terminal. The application rate can even be provided via an application map on a part-area, site-specific basis as well as being used in combination with GPS-Switch (SectionControl).

Advantages of conveying systems with a segmented distributor head

- ✔ Highly efficient as a result of the large hopper capacity
- ✔ Lower machine costs owing to more flexibility and more applications
- ✔ Precise working due to its completely integrated ISOBUS control



Technical data

Cobra 6000-2TX and 7000-2TX

Cobra trailed shallow cultivator	Cobra 6000-2TX	Cobra 7000-2TX
Working width (m)	6.00	7.00
Transport width (m)	2.98	
Transport height (m)	3.50	3.99
Transport length with road lights (m)	8.80–9.70	
Execution	hydraulically folding, trailed	
Weight (minimum / maximum equipment in kg)	5,950/8,600	6,450/9,250
No. of tines	45	53
Tine execution	ECO leaf-spring tines	
Number of crossbeams	6	
Tine stagger in the row (cm)	80	
Tine spacing: tine element (cm)	13.3	
Frame height (cm)	60	
Maximum working depth of tine element (cm)	13	
Operational speed (km/h)	10–16	
Maximum transport speed (km/h)	40	
Tyre size of support wheels	380/55-17	
Transport wheel tyre dimensions	550/45-22.5	
Minimum tractor pulling power (kW/hp)	185/250	215/290
Maximum tractor pulling power (kW/hp)	295/400	350/475
Minimum no. of d/a tractor spool valves	2	
Linkage	Cat. 3, Cat. 4N, drawbar eye or K80 ball	

Illustrations, content and technical data are not binding and may differ depending on the level of equipment. Country-specific road traffic regulations apply and must be complied with, meaning that special approval may be required. The permissible axle loads and total weights of the tractor should be checked. Not all the listed combination options are possible with all tractor manufacturers.

The original is simply better

AMAZONE service and quality



Experience that pays off. That's why AMAZONE guarantees you the highest quality thanks to a very high level of vertical integration within its own factories in Europe - and it has been doing so for more than 140 years. The original is simply better.

In most cases, things need to happen very quickly, especially when time is tight for optimum seedbed preparation. That is why AMAZONE offers a first-class parts service with genuine parts that are precisely matched to your machine. So your machine is always ready for use - quality parts and available worldwide.

The parts centre in Tecklenburg-Leeden in Germany is the base for our worldwide parts logistics system. This ensures the optimum availability of parts, even for older machines. Whenever you need us, the AMAZONE service team is there for you, supported by a network of competent and highly trained sales partners and service technicians.

AMAZONE also offers an intensive introduction to the operation and handling of your new machine on your farm by a trained member of the AMAZONE team. Alternatively, you can use "SmartLearning" - AMAZONE's interactive driver training - to familiarise yourself with the machine's operation before using it for the first time.

Effective soil tillage from the very first metre.

The advantages of original spare parts and wearing metal:

- ✔ Quality, reliability and performance
- ✔ Immediate availability, even for older machines
- ✔ Higher resale value of your used machine



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WARRANTY

» Register now and apply for a 24 month manufacturer guarantee!

- ✔ Extend the protection offered for your machine with a 24 month manufacturer guarantee.
- » The extended guarantee can be applied for within the contractual warranty period of 12 months after initial installation.

NEW



PARTS

» Parts - find the right parts for your machine even more easily now!

- ✔ The right parts list for your machine with just one click.
- ✔ Identify the correct part in the exploded views in no time at all.
- ✔ Create a shopping basket and send it to your service partner.



ADJUSTMENT AND
OPERATION

» Now enter the machine number and see at a glance all the relevant information to help get the maximum performance from your machine

- ✔ Season start and commissioning
- ✔ Adjustment and operation
- ✔ Parts lists and operating instructions
- ✔ Maintenance and storage



AMAZONE



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AMAZONEN-WERKE H. DREYER SE & Co. KG

P. O. Box 51 · 49202 Hasbergen-Gaste/Germany

Phone +49 (0)5405 501-0 · Fax +49 (0)5405 501-193