



AMAZONE



Orientation Aid for the Start of the Season

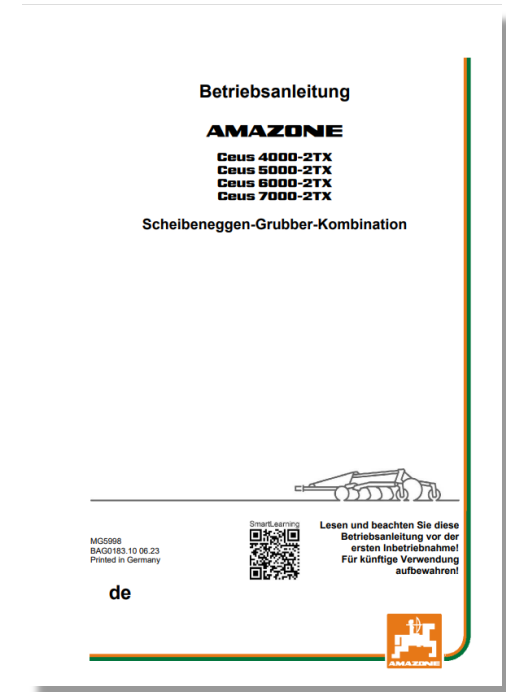
Ceus x000-2TX

Table of Contents

1. General information
2. Requirements for operation of the implement
3. Assembly groups and functions
4. Hitching the implement and coupling the hydraulic system
5. Unfolding the implement
6. Basic positions of the implement
7. Implement in field operation – hitch with rigid drawbar
8. Implement in field operation – hitch with hydraulic drawbar
9. Adjusting the tine array working depth
10. Adjusting the disc array working depth
11. Adjusting the disc array working depth range
12. Adjusting disc gangs individually
13. Driving with roller
14. Driving without roller
15. Adjusting the levelling unit
16. Preparing for road transport

1. General information

- Use of this document requires that the **operating manual** for the implement has been read and understood. The corresponding document is shown on the right side.
- For this reason, it is **necessary** to refer to the operating manual for additional information. The **operating manual** must **always be available** when performing the orientation aid for the start of the season with the Ceus x000-2TX.
- The **Orientation Aid for the Start of the Season - Ceus x000-2TX** document serves as a guideline for the user to check the implement for the new season and to put it back into operation. This document is based on the current implement generation and is also only valid for this version.



MG5998

2. Requirements for operating the implement

Requirements for the hitches

- Lower link hitch – Cat. 3/Cat. 4N/Cat. K700
- Ball hitch coupling
- Drawbar eye

PLEASE NOTE: (see spare parts portal for the product range)

Requirements for the tractor pulling power

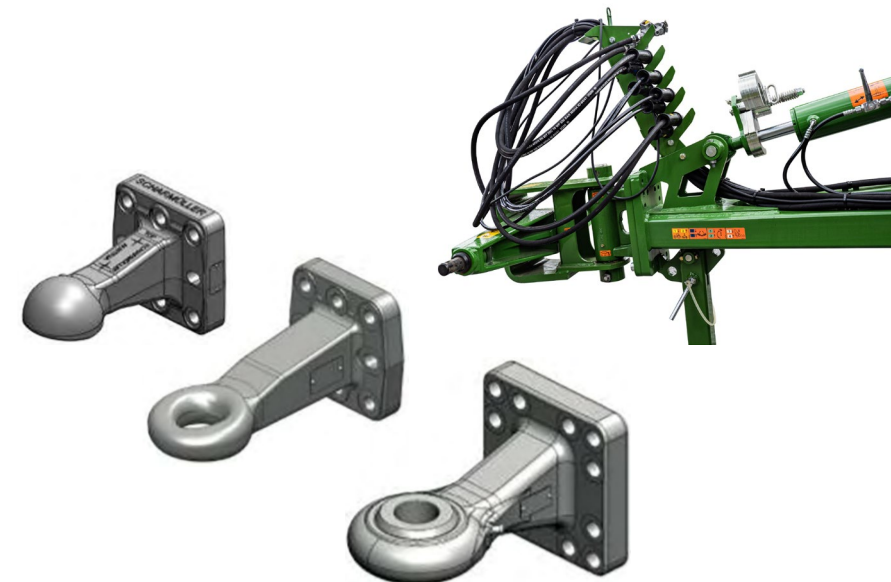
- 50 – max. 95 HP/m working width

Requirements for the tractor hydraulic system

- Depending on the equipment, 2 – 5 double-acting control units
- Oil capacity of min. 150 bar at 15 l/min
- Maximum system pressure 210 bar

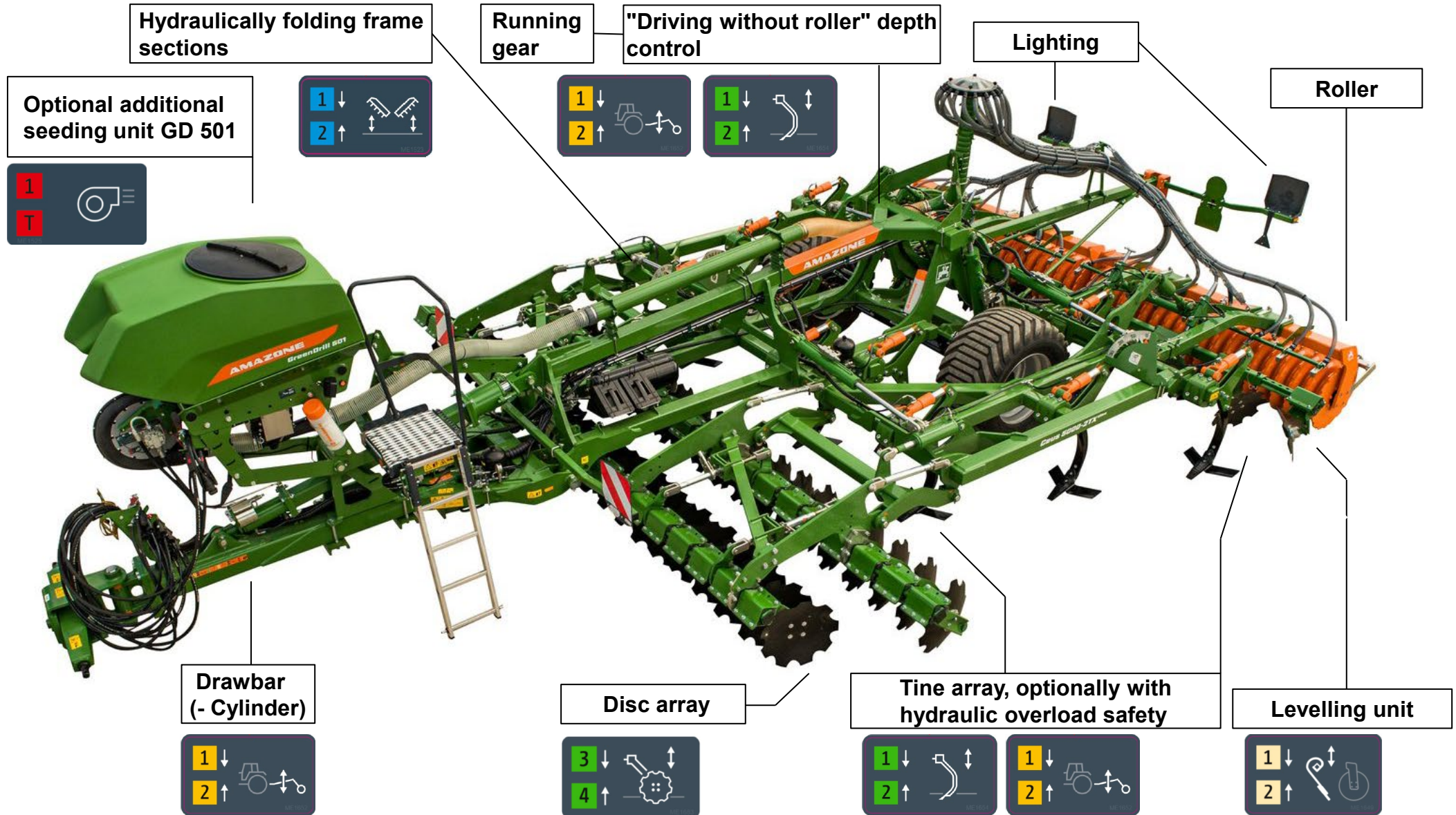
Requirements for ballasting the tractor

- The permissible total weight of the tractor **MUST** be greater than:
 - Tractor empty weight + ballast weight + drawbar load of the trailed implement
- The tractor front axle must always be loaded with at least 20 % of the tractor empty weight.
- [3] Vehicle ID number
- [4] Permissible technical total weight
- [A0] Permissible technical drawbar load of the implement
- [A1] Permissible technical axle load of the implement
- [B4] Permissible technical trailer load for a vehicle with pneumatic service brake



AMAZONEN-WERKE H. DREYER SE & Co. KG					
	1	2			
		3			4 kg
		T-1	T-2	T-3	A-0: kg
B-2		-	-	-	A-1: kg
B-4	5	-	-	-	A-2: kg

3. Assembly groups and functions



4. Hitching the implement and coupling the hydraulic system

1. Hitch the implement.
2. Connect the hydraulic plugs to the connections of the tractor hydraulic system.
3. Open the drawbar cylinder ball valve (1) – when equipped with hydraulic drawbar.
4. Lift the implement [2 ↑] and fold in the jack, release the parking brake beforehand.
5. Swivel the positioning arms from the piston rod – when equipped with hydraulic drawbar.

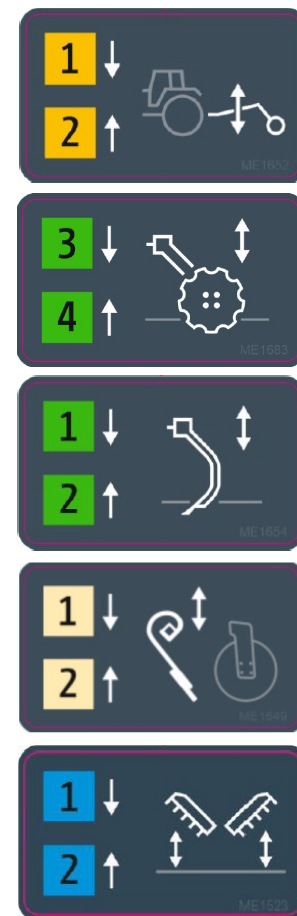


TIP:

- Select the control units according to the frequency of use during operation.
Suggestion >>> yellow / green / beige / blue (see pictograms at the edge of the page)



- Couple the **hydraulic plugs 1 and 3** on the side of the tractor control unit (–) , which can be directly switched to float position after actuation.



5. Unfolding the implement

1. Lift the implement completely with [2 ↑].

PLEASE NOTE:

Only unfold in a lifted state – otherwise there is a risk of damage to the working tools.

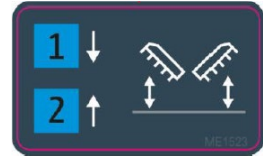
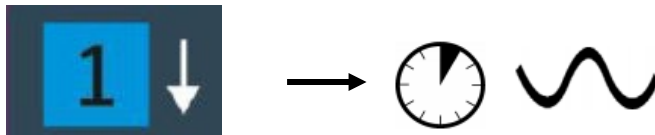
For implements with a rigid drawbar, also lift with the lower links to ensure sufficient ground clearance.

2. Unfold the side sections completely with [1 ↓].

PLEASE NOTE:

When the lifted implement is unfolded, the side sections are slightly overstretched!

3. After unfolding [1 ↓], switch directly to float position.



6. Basic positions of the implement

Headlands position

1. Implement completely unfolded – blue switched to float position

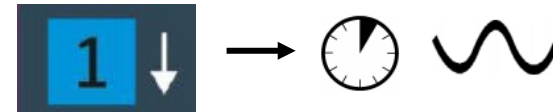


2. Lift the implement completely – yellow switched to "0" position

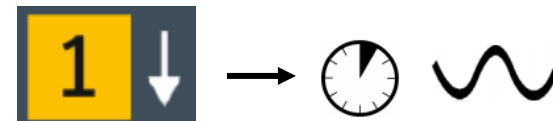


'Working position'

1. Implement completely unfolded – blue switched to float position






2. Lower the implement completely – switch yellow to float position



7. Implement in field operation – hitch with rigid drawbar

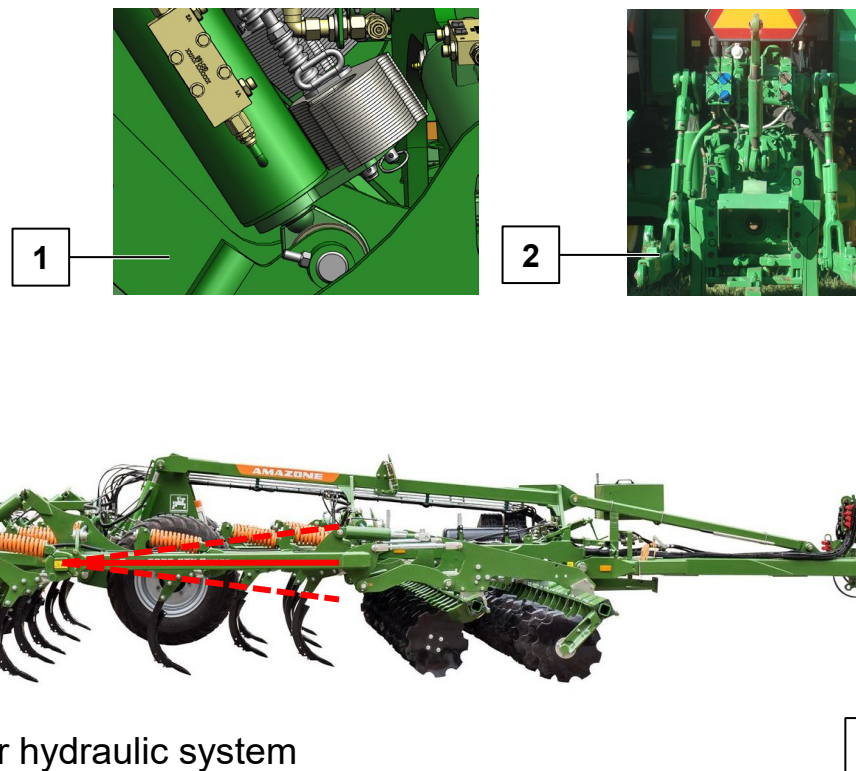
Implement with rigid drawbar and lower link hitch

1.  until the running gear hydraulic cylinders are completely retracted and are resting on the stop plate (1)

2.  → , pull the implement forward with the tractor at the same time

3. Adjust the hitch height using the rear hydraulic system (2)

4. If necessary, correct the position of the drawbar with the tractor rear hydraulic system






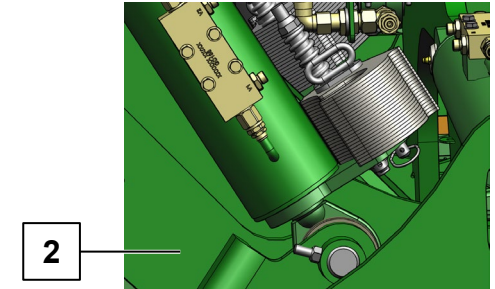
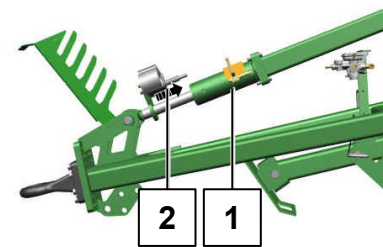
NOTE

- With the **hitch height** of the **drawbar**, the **centre frame** of the implement is aligned **parallel to the ground**. (3)
- For an **ideal pull force line** during field operation, the **drawbar** should generally be **parallel to the ground** or slant down slightly towards the tractor.

8. Implement in field operation – hitch with hydraulic drawbar

Implement with hydraulically adjustable drawbar

1. Stop tap on the drawbar is open (1)
2. **Basic setting – 10 spacer elements (2)**
3.  until the running gear hydraulic cylinders are completely retracted and are resting on the stop plate (2)
4.  → 
5. Simultaneously pull the implement forward with the tractor.
6. If necessary, lift again and correct the number of spacer elements.



3

NOTE

- The **length** of the **drawbar upper belt** is adjusted with the **number of spacer elements**. The **centre frame** of the implement must also be aligned **parallel to the ground**. (3)
- For an **ideal pull force line** during field operation, the **drawbar** should generally be **parallel to the ground** or slant down slightly towards the tractor.

9. Adjusting the tine array working depth

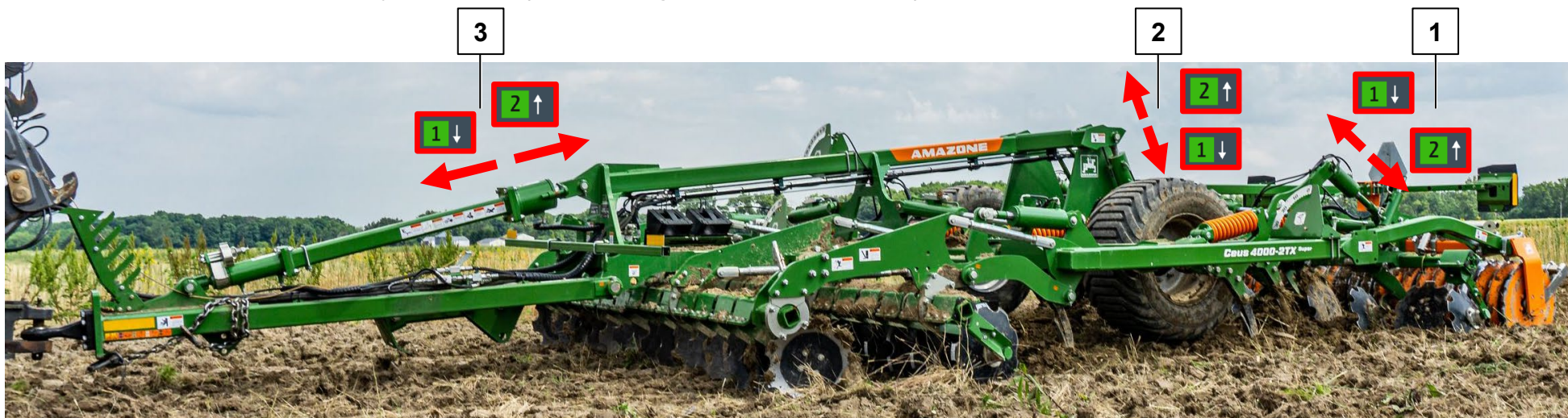
Hydraulic working depth adjustment

- The working depth can be adjusted during field operation with the green hydraulic function .

1 ↓ Deeper

2 ↑ Shallower

- The working depth is adjusted by moving the rear rocker arm cylinder (1), the upper running gear hydraulic cylinder (2) and the upper drawbar cylinder (3) (depending on the equipment).



- For orientation, the working depth can be read on the depth setting scale from 0-8. (4)

i NOTE


Calibrate the depth adjustment circuit several times daily.  for approx. 15 s.

Switch the depth adjustment circuit to float position after setting.



10. Adjusting the disc array working depth

Hydraulic working depth adjustment

- The working depth can be adjusted during field operation with the green hydraulic function .

1 ↓ Deeper

2 ↑ Shallower

- The working depth is adjusted by moving the disc array hydraulic cylinder **(1)**.
- For orientation, the working depth can be read on the depth setting scale from 0-8. **(1)**

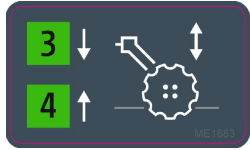


i NOTE

Calibrate the depth adjustment circuit several times daily. **2** ↑ for approx. 15 s.

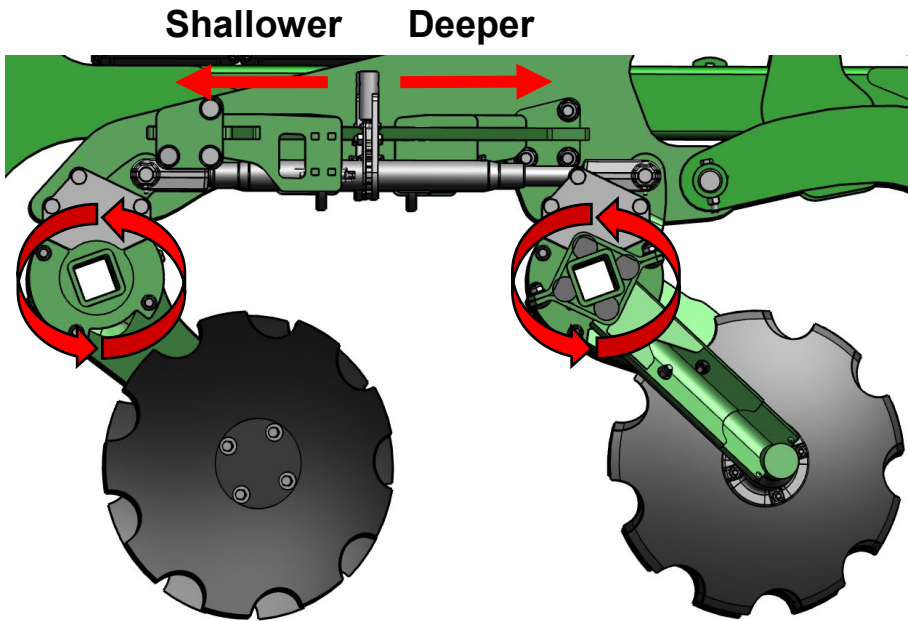
Switch the depth adjustment circuit to float position after setting.

11. Adjusting the disc array working depth range



Mechanical adjustment of the working depth range in the disc array

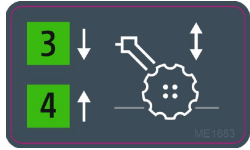
- The angle of the disc arms can be adjusted using spindles.
- When the disc arms are set steeper, they work deeper. However, this increases the minimum working depth.
- When the disc arms are set flatter, they work more shallow. However, this reduces the maximum working depth.



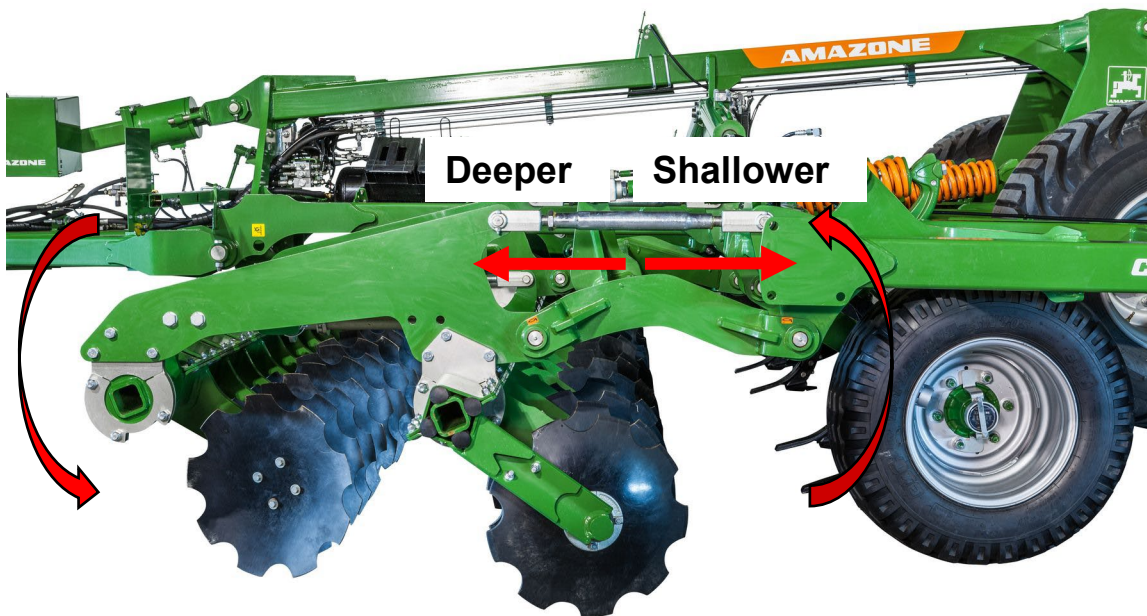
NOTE

Adjust the inner and outer spindles on one side of the implement evenly to prevent tension.
Both sides of the implement must be adjusted identically.

12. Adjusting disc gangs individually



- The working depth of the front and rear disc gangs can be individually adjusted using the spindles.
- This can be helpful when the discs on the first gang are more strongly worn.
- To achieve ideal work results again, the working depth of the first disc gang is adjusted using the tilt adjustment of the disc array frame.



i NOTE

Adjust the inner and outer spindles on one side of the implement evenly to prevent tension.
Both sides of the implement must be adjusted identically.

13. Driving with roller


- The working depth of the implement is controlled by the **tractor hitch** and via the **roller**
- NO spacer elements** swivelled in on the running gear hydraulic cylinder (1)
- The running gear wheels are completely lifted out of the ground with **1** ↓



NOTE

- On soils with poor load-bearing capacity, the running gear can provide support by running along.
- On the Ceus 6000/7000-2TX, the **guide wheels** provide **NO DEPTH CONTROL**.

14. Driving without roller

- The working depth of the implement is controlled by the **tractor hitch** and via the **implement running gear**.
- ALL spacer elements** are swivelled in on the running gear hydraulic cylinder (1).
- The running gear wheels are lifted out of the ground up to the stop on the spacer elements with  .



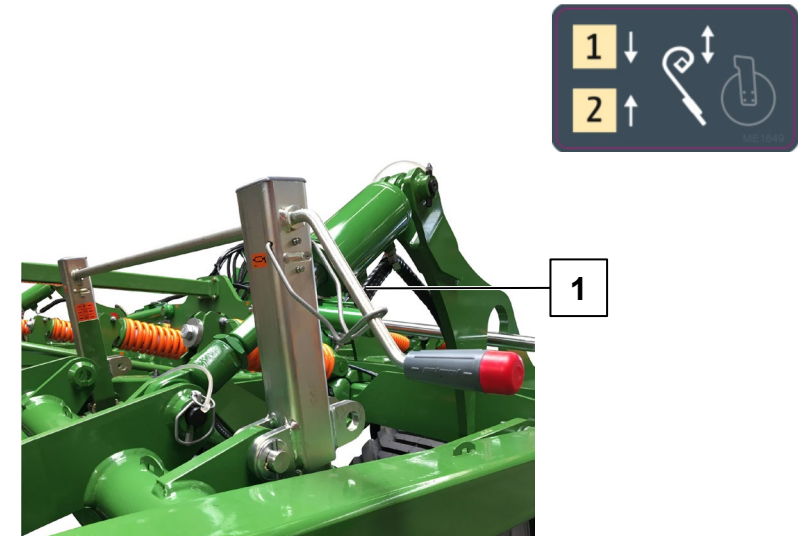
NOTE

- On the Ceus 6000/7000-2TX, the **guide wheels** provide **NO DEPTH CONTROL**.
- When reinstalling the **roller** – **bolting of the clamp** – **210 Nm**.

15. Adjusting the levelling unit

Mechanical adjustment

1. Set the required working depth (see sections 8 and 9).
2. Move the implement into **headlands position**.
3. Adjust the working intensity by turning the spindles (1).
4. Operate the implement at the working depth and speed. Readjust if necessary.

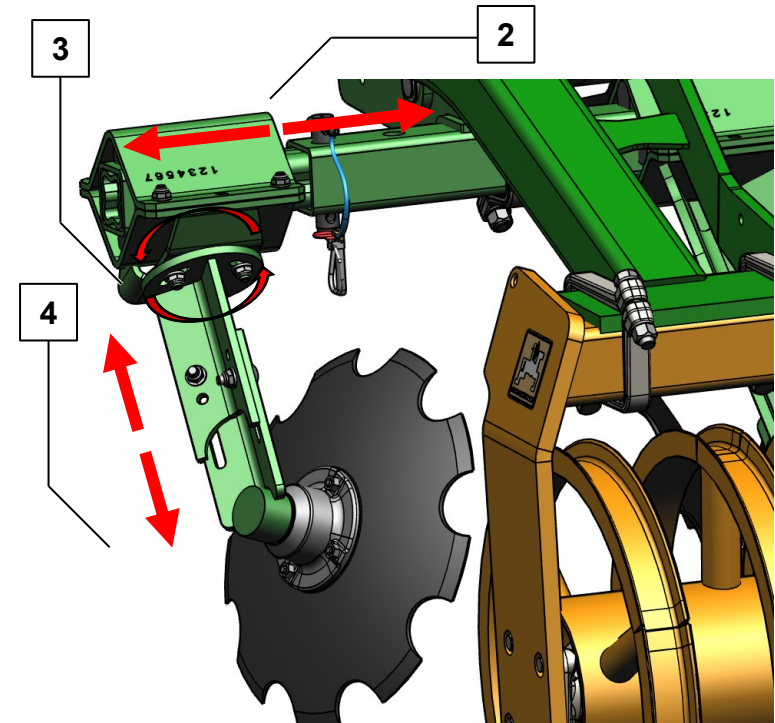


Hydraulic adjustment


1. Increase the intensity of the setting with  or reduce with .

Side disc element

1. Adjust the width (2), pitch (3) and height (4) according to the conditions.



NOTE

- Calibrate the circuit for hydraulic adjustment several times a day - hold  for approx. 15 s.
- Compensate for wear or work more aggressively by moving the wear plates lower down.

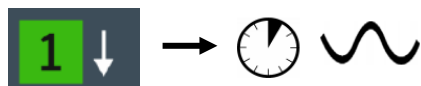
16. Preparing for road transport



1. Move the implement into **headlands position**.



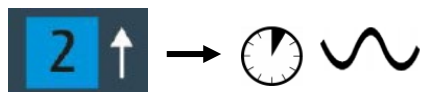
2. Set the implement to the maximum working depth, then switch to float position (disc array and tine array).



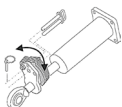
PLEASE NOTE: applies also for implements with mechanical working depth adjustment!

3. Slide in the side elements of the levelling unit.

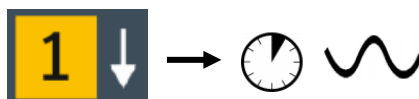
4. Fold the implement.



5. Put all of the spacer elements on the drawbar cylinder.



6. Lower the implement until the drawbar cylinder is resting firmly on the spacer elements – pay attention to a transport height of max. 4 m!



7. Close the stop tap on the drawbar cylinder.
8. Remove loose soil from the working tools and mounted roller / check the lighting and the service brake / install the harrow covering strips (if the harrow is mounted).

PLEASE NOTE:

Points 5 and 7 only for implements with hydraulic drawbar upper belt.

SmartLearning app

The AMAZONE SmartLearning app offers video training courses for the operation of Amazone implements. The video training courses can be downloaded onto your smartphone if necessary, and are therefore available offline. Simply select the desired implement for which you want to watch a video training course.



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