

Translation of original operating instructions

EN

Synthetic Turf Maintenance Machine

Terra Clean 100





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 	! IMPORTANT!
	<ul style="list-style-type: none">➤ Read these operating instructions thoroughly before initial commissioning and observe the safety information!➤ Keep these operating instructions in a safe place!

1. Manufacturer



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1.1. Information for inquiries and orders

Year	
Machine no.	
Type	Terra Clean 100

1.2. Contact details of your dealer

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1.3. Preface

These operating instructions are an integral part of this delivery. They must always be kept in the vicinity of the machine.

In the event that the machine is sold on, the operating instructions must be passed on to the purchaser.

Read these operating instructions carefully to learn how to operate and service your machine correctly. Failure to do could result in personal injury or equipment damage. These operating instructions and safety signs on your machine may also be available in other languages (see your dealer to order).

Please be aware that we cannot assume liability for damage or downtimes which occur as the result of failure to observe the operating instructions.

This machine is designed solely for use in synthetic turf maintenance for cleaning and collecting surface contamination such as leaves, broken off fibres, paper, rubbish and small branches on sand or granulate filled synthetic fields.

See chapter 3.3 "Intended use".

The machine described in these operating instructions corresponds to the state of the art of the time when these operating instructions were created.

Before delivery of this machine, your dealer performed a pre-delivery inspection to ensure optimal performance.

In the interest of further developing the machine, we reserve the right to make those changes to individual components and accessories, which shall be made for your benefit while maintaining the essential functions of the machine and shall be deemed expedient in terms of increasing the performance and safety of the machine.

Measurements in these operating instructions are given in the metric system. Only use suitable parts and screws. Different wrenches are required for metric and inch screws.

Enter the product identification number in the appropriate "Technical data" or "Product - Identification Number" sections. Please ensure that all figures are accurately entered. These numbers can be of invaluable assistance for tracing the machine should it be stolen. Your dealer also needs these numbers when you order spare parts. We recommend that you additionally file these identification numbers in a secure place away from the machine.

Before initial operating, please take into consideration and clarify the following:

- "The maintenance requirement for synthetic turf fields differs depending on the layout and the used synthetic turf."
- We recommend that you consult with your groundsman or synthetic turf manufacturer to clarify the suitability of maintenance machines before usage.

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2. To this document

2.1. Validity

This document applies to machines of the type:

Terra Clean 100

All information, illustrations and specifications in these Operating Instructions are based on the latest information available at the time of publication. We reserve the right to make design changes at any time without prior notification.

2.2. Reorder

Should this document have become wholly or partly unusable, you can use the document number on the cover sheet to request a replacement.

The document can also be downloaded via the Wiedemann homepage.

www.wiedemann.com

2.3. Applicable documents

Alongside the machine operating instructions, the following documents are also supplied and should also be observed:

- Operating manual tractor

2.4. Target group of the document

This document is aimed at machine operators that fulfil the minimum personnel qualification requirements, see Section 3.6.1 “Personnel qualification of the operating personnel”.

2.5. How to use this document

2.5.1. Directories and references

Table of contents / Headers and footers

The table of contents, as well as the headers and footers in this document provide fast orientation in the sections.

Cross-references

The text contains cross references to other documents or page references to a different section in the same document.

2.5.2. Directions

The designations "right" and "left" are applicable to the trailed device moving in forward direction.

2.5.3. Term machine

The term "machine" is also used to refer to the " Synthetic Turf Maintenance Machine " in the remainder of this document.

2.5.4. Figures

The figures in this document do not always represent the exact machine type. The information with reference to the figures always corresponds to the machine type in this document.

2.5.5. Scope of the document

Alongside the standard equipment, optional equipment is also described in this document. Your specific machine may differ from this.

2.5.6. Means of presentation

Symbols in Text

The following means (symbols) are used to present the text with a clear structure.

- This arrow represents an **action step**. Multiple arrows in succession represent a sequence of actions that is to be performed one step at a time.
- ✓ This symbol represents a **prerequisite** that must be met in order to perform an action step or sequence of actions.
- ⇒ This arrow represents the **interim result** of an action step.
- ☑ The tick represents the result of an action step or sequence of actions.
- The dot represents a list. If the dot is indented, it represents a further level of the list.

Symbols in pictures

The following symbols can be used in figures:

Symbol	Explanation
①	Reference sign for component

Symbol	Explanation
A	Position of a component

Position numbers in pictures

Digits in round brackets refer to item numbers in figures.

Warnings

Warnings regarding hazards are offset from the rest of the text as warning signs and also include both a danger symbol and signal words.

To avoid personal injury and material damage, it is important to observe the warning signs and their measures!











Explanation of the danger sign

This is the danger symbol that warns about a potential risk of injury and material damage.

Observe all notes with the danger symbol!



Explanation of the signal words

	<p> DANGER!</p> <ul style="list-style-type: none"> ➤ The signal word DANGER warns of a dangerous situation that will lead to serious injuries or even death if the warning message is not observed.
	<p> WARNING!</p> <ul style="list-style-type: none"> ➤ The signal word WARNING warns of a dangerous situation that could lead to serious injuries or even death if the warning message is not observed.
	<p> CAUTION!</p> <ul style="list-style-type: none"> ➤ The signal word CAUTION warns of a dangerous situation that could lead to minor or moderate injuries if the warning message is not observed.
	<p> ATTENTION!</p> <ul style="list-style-type: none"> ➤ The signal word ATTENTION warns of a dangerous situation that could lead to property and material damage if the warning message is not observed.
	<p>NOTE!</p> <ul style="list-style-type: none"> ➤ The signal word NOTE in connection with a mandatory sign specifies corresponding protective measures that prevent health risks.
	<p>INFO!</p> <ul style="list-style-type: none"> ➤ The signal word INFO in connection with the symbol provides information and tips on how to use the machine.

3. Safety instructions

3.1. Obligation of the operator

The operator must ensure that only those persons work with the machine that

- have knowledge of the accident prevention regulations associated with health and safety at work.
- have received instruction in how to work with/at the machine.
- have read and understood the operating instructions.

The operator must ensure that

- all safety signs on the machine are clearly legible.
- damaged safety signs are replaced with new ones.

3.2. Obligation of the operator

All persons commissioned to perform work with/at the machine are committed to

- observing the fundamental regulations regarding workplace safety and accident prevention.
- reading and observing the information in the section entitled "Safety information" in these operating instructions.
- reading the information provided in the section entitled "Warning signs" in these operating instructions and observing the safety instructions associated with the warning signs when operating the machine.
- familiarising themselves with the machine.
- reading the sections of the operating instructions that are important for performing the work assigned to them.

If the operator determines that a safety device is not in perfect working order, this defect must be rectified immediately or the issue reported to the superior (operator).

3.3. Intended use

This machine is designed solely for use in synthetic turf maintenance for cleaning and collecting surface contamination such as leaves, broken off fibres, paper, rubbish and small branches on sand or granulate filled synthetic fields.

Usage for any other purpose beyond this is considered as contrary to the intended use. The manufacturer accepts no liability for damage or injury resulting from this improper use. These risks are borne solely by the user. Compliance with and strict adherence to the operating, maintenance and repair conditions as specified by the manufacturer also form essential elements of the intended usage.

3.4. Foreseeable incorrect use

It is not permitted to use the trailed device to transport persons or things.

This machine must only be operated, maintained and repaired by persons familiar with all its particular characteristics and acquainted with the relevant safety regulations. The relevant accident prevention regulations, all other generally recognised safety-related, occupational medicine and road traffic regulations must be adhered to. Any modifications carried out to this machine without the express approval of the manufacturer excludes the manufacturer of all liability for any resulting damage.

3.5. Service life of the machine

- The useful life of this machine depends on correct operation and maintenance, as well as the deployment and operating conditions.
- Continuous operational readiness and a long useful life of the machine can be achieved by following the instructions and notes in these operating instructions.
- Once the season is over, the machine should be checked thoroughly for wear and any other damage.
- Damaged and worn components should be replaced before using the machine again.

3.6. General safety instructions

- In addition to the information provided in these Operating Instructions, please also observe generally applicable safety and accident-prevention standards!
- Familiarise yourself with all equipment and operating elements and their functions before starting work. Ensure that all protective equipment has been properly installed.
- In the working area, the user is responsible for the safety of other persons!
- Before moving off, ensure that the immediate area of the machine is clear e.g. no children nearby. Ensure that your visibility is not impaired!
- Keep all persons clear of the danger zone of the machine!
- For all operations the engine must be switched off and the ignition key must be removed.
- Only use the attachment components designated for use with the attached equipment.
- Observe permitted axle loads and axle load distribution. The tractor must be steerable.
- The driving and operating properties of the tractor may be influenced by the attachment of the machine! Always adapt your driving style to match the terrain and ground conditions. Special care should be taken when working and turning on a slope.
- For this work, please use your personal protective equipment (PSA) such as: gloves, goggles, ear protectors.
- Special care should be taken when working and turning on a slope. – **Danger of toppling!**
- All safety devices must be assembled before initial operation of the machine.
- Always keep the machine in a good condition. Improper changes to the machine impair its function, operational reliability and service life

3.6.1. Personnel qualification of the operating personnel

Improper handling can lead to serious personal injuries or even death. To prevent accidents, all persons working with the machine must meet the following minimum requirements:

- They must be physically capable of controlling the machine.
- They must be able to perform the work with the machine described in these operating instructions safely.
- They must understand how the machine works within the scope of their duties and be able to both recognise and avoid the hazards/dangers.
- They must have read and understood the operating instructions.
- They must be familiar with operating vehicles.
- When driving the machine on roads, they must have sufficient knowledge of the rules of road traffic and possess the stipulated driving licence.

3.6.2. Personnel qualification of the specialist personnel

If the work to be performed (conversion, retrofitting, repairs, etc.) is carried out improperly on the machine, persons can potentially suffer serious injuries or even death. To prevent accidents, all persons performing work in line with these instructions must meet the following minimum requirements:

- They must be a qualified specialist with corresponding training.
- They must be capable of completing the work to be performed within the scope of these instructions correctly and safely.
- They must understand how to perform the requisite work, how the machine itself works and be able to both recognise and avoid the hazards/dangers.
- They must have read and understood the operating instructions.

3.6.3. Children in danger

Children cannot properly assess dangers and can behave unpredictably. Children therefore represent a particular risk.

- Keep children away from the machine.
- Keep children away from operating materials.
- Particularly prior to starting up the machine and activating machine movements, first ensure that there are no children in the danger area.

3.6.4. Coupling up the machine

Failure to couple the tractor and machine correctly leads to hazards that can cause serious accidents.

- Observe all relevant information in the various operating instructions when coupling the machine. These include:
 - The tractor operating instructions
 - The machine operating instructions, see Section 7 "Attaching to a tractor".
- Be aware of the altered driving characteristics of the combined unit.

3.6.5. Structural changes to the machine

Unauthorised structural changes and extensions can impair the functionality and operational reliability of the machine. This leads to an increased risk of injury.

Structural changes and extensions are not permitted!

3.6.6. Additional equipment and spare parts

Additional equipment and spare parts that do not meet the requirements of the manufacturer can impair the operational reliability of the machine and cause accidents.

- To ensure operational reliability, always use original or standard parts that meet the requirements of the manufacturer.

3.6.7. Workstations at the machine

Anyone "riding along" on the machine can suffer severe injuries or fall off and be run over. Objects flying out of the machine can hit and potentially injure any persons riding along on the machine.

- Never allow anyone to ride along on the machine.

3.6.8. Operational reliability, perfect technical condition

Operation only after proper commissioning

Without proper commissioning in line with these operating instructions, the operational reliability of the machine is not guaranteed. This can then lead to a risk of serious or even fatal injuries.

- Do not use the machine until it has been properly commissioned.
See Section 8 „Before initial operation“.

Technically perfect condition of the machine

Improper maintenance and settings can influence the operational reliability of the machine and cause accidents. This can then lead to a risk of serious or even fatal injuries.

- Perform all maintenance and setting/adjustment work in line with the "Maintenance" and "Settings" sections.
- Prior to performing any maintenance or setting/adjustment work, shut down and secure the machine, see Section 3.7.1 "Shutting down and securing the machine".

Dangers due to damage to the machine

Damage to the machine can impair its operational reliability and cause accidents. This can then lead to a risk of serious or even fatal injuries. The following parts of the machine are particularly important with regards to safety:

- Guards
- Coupling devices
- Hydraulics
- Tyres

If you are in any doubt regarding the operational condition of the machine, for example if it suddenly starts to behave differently unexpectedly or if you observe visible damage / fluids escaping:

- Shut down and secure the machine, see Section 3.7.1 "Shutting down and securing the machine".
- Eliminate any potential causes of the damage immediately, such as heavy soiling or loose screws.
- If you encounter damage that affects operational reliability and which you cannot rectify yourself by following the information/instructions in the operating instructions, please have the equipment repaired by a qualified specialist workshop.

Technical limits

The machine can be damaged if its technical limits are not observed. This can then lead to a risk of serious or even fatal injuries. Observing the following limits is particularly important in terms of safety:

- Maximum permitted hydraulic operating pressure
 - Observe the limits, see Section 4.3 „Technical specifications“

3.6.9. Danger areas

When the machine is switched on, a danger area can result all around the machine.

Adequate safety clearance must be maintained to prevent any access to this danger area.

If the safety clearance is not observed, there is a risk of severe or even fatal injuries.

- Make sure there are no persons in the danger area before switching on drives and the engine.
- Should any persons enter the area reserved as safety clearance, shut down the drives immediately
- Stop the machine if currently manoeuvring.
- Prior to performing in the machine's danger area, shut down and secure the machine, see Section 3.7.1 „Shutting down and securing the machine". This also applies to quick checks.
- Observe the information provided in all relevant operating instructions:
 - Operating instructions Engine
 - The machine operating instructions, see Section 7 "Attaching to a tractor"

Danger zone between tractor and machine

Anyone remaining between the tractor and the machine can potentially suffer serious or even fatal injuries due to machine movements, the tractor rolling away or carelessness:

- Prior to performing any work between the tractor and machine, shut down and secure the machine, see Section 3.7.1 "Shutting down and securing the machine". This also applies to quick checks.

Protective devices keep functioning

There is an increased risk of injury if any guards protecting moving machine parts are missing or damaged!

- Replace damaged guards.
- Prior to removing guards, shut down the engine and wait until all moving machine parts have come to a complete standstill.
- Keep hands, feet and garments well away from moving parts.
- Before starting up the machine, re-attach any guards covering machine parts that were removed and then move them into their guard position.
- If you are in any doubt as to whether all guards have been fitted properly and are working as they should, commission a specialist workshop to perform a check.

3.6.10. Personal protective equipment

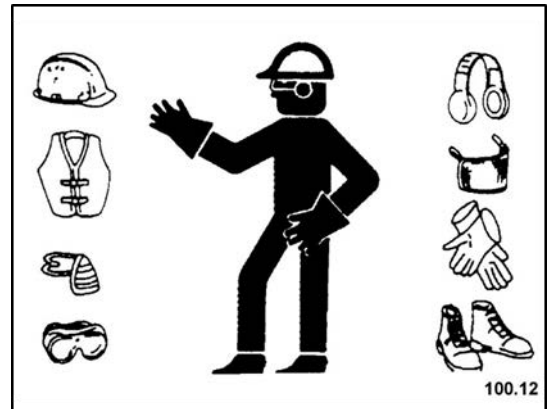
Wearing personal protective equipment is an important safety measure. Missing or unsuitable protective equipment increases the risk of health issues and personal injuries.

Examples of personal protective equipment include the following:

- Suitable protective gloves
 - Safety shoes
 - Tight-fitting protective clothing
 - Hearing protection
 - Goggles
- Specify and provide personal protective equipment for the specific task at hand.
 - Only use personal protective equipment that is in proper condition and offers effective protection.
 - Adjust personal protective equipment to the person performing the work. (e.g. size)
 - Remove any unsuitable items of clothing and jewellery.

Secure operation of the machine requires the driver's full attention.

- Never wear headphones to listen to the radio or music.

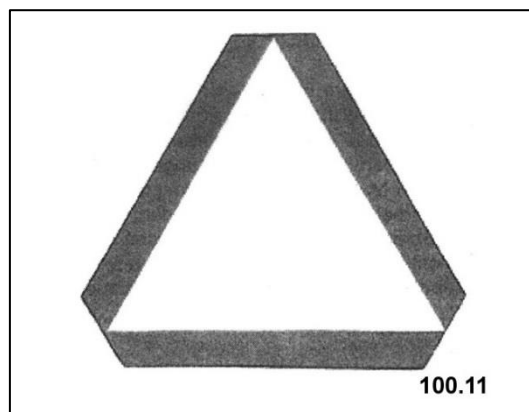


3.6.11. Road safety



Dangers when driving on the road

If the machine exceeds the maximum dimensions and weights stipulated by national legislation and is not properly illuminated as per the regulations, you will put other road users at risk when driving on public roads.

- Always observe local road traffic regulations when using public roads.
- Prior to any road travel, ensure that the maximum permitted dimensions, as well as the weight, axle, support and trailer loads are not exceeded. Observe all guidelines pursuant to national law when driving on public roads.
- Prior to any road travel, switch on the lighting and ensure that it is working properly (in line with the regulations).
- Prior to any road travel, close all shut-off valves of the machine's hydraulic system between the tractor and machine.
- Prior to any road travel, move the tractor's control units to their neutral position and lock them in place.



3.6.12. Risk of tipping over on slopes

	 WARNING!
	Impairment of the machines driving characteristics!
	<ul style="list-style-type: none">➤ Always adapt your driving style to the respective ground conditions!➤ Exercise extra caution when working and turning on a slope!➤ Pay attention to any unevenness on the terrain (bumps)!

3.6.13. Shutting down the machine securely

A machine that has been improperly shut down can start to move in an uncontrolled manner. This can then lead to a risk of serious or even fatal injuries.

- Always shut down and park the machine on stable, horizontal and level ground.
- Secure the machine with a support rod.
- Prevent the machine from rolling away by placing a chock under the wheel.
- Prior to performing any servicing, maintenance or cleaning work, first make sure that the machine is on secure ground and is stable.

Unattended parking of the machine

An inadequately secured and unattended machine can present a danger to persons, particularly to children.

- Before parking, shut down and secure the machine, see Section 3.7.1 "Shutting down and securing the machine".

3.6.14. Operating materials

Unsuitable operating materials

Operating materials that do not meet the requirements of the manufacturer can impair the operational reliability of the machine and cause accidents.

- Only use operating materials that meet the requirements of the manufacturer. See Section 4.4 "Operating materials".

3.6.15. Potential hazards at the machine

Noise can lead to health problems

The noise generated by the machine while in operation can lead to health conditions such as hearing impairment, deafness or tinnitus. When using the machine at high speed, the noise level is also increased.

- Before commissioning the machine, first assess the danger posed by noise. Specify and use suitable hearing protection based on the environmental conditions, working times and work/operating conditions of the machine.
- Specify a regulation for the use of hearing protection and for the duration of work.



3.6.16. Hazards when performing certain tasks at the machine

Maintenance and repair work

Improper servicing and repair work jeopardise operational reliability. This can then lead to a risk of serious or even fatal injuries.

- Only perform the work described in these operating instructions.
- Prior to performing any work, shut down and secure the machine, see Section 3.7.1 "Shutting down and securing the machine".
- Have all other servicing and repair work performed exclusively by a qualified specialist workshop.

Raised machine or machine parts

The raised machine or raised machine parts can descend or tip over unintentionally. This can then lead to a risk of serious or even fatal injuries.

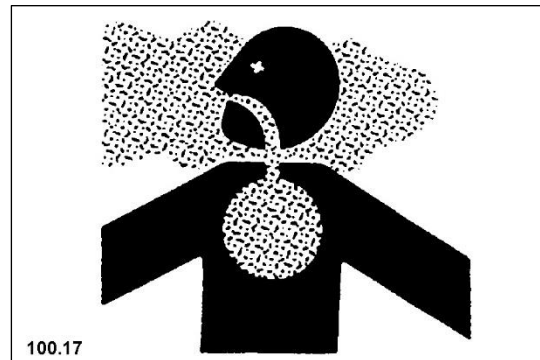
- Do not stand or remain below the raised machine or raised machine parts that do not have proper supports, see Section 3.7.1 "Shutting down and securing the machine".
- Prior to performing any work below a raised machine or raised machine parts, secure the respective machine or machine parts and prevent them from descending using a rigid safety prop or hydraulic locking device and suitable supports.

Hazard due to welding work

Welding should only be carried out by persons with a relevant qualifying certificate i.a.w. EN287.



Improper welding work jeopardises the operational reliability of the machine. This can then lead to a risk of serious or even fatal injuries.

- Never weld any of the following parts:
 - Gearboxes
 - Components of the hydraulic system
 - Chassis or load bearing assemblies
- Prior to performing welding work on the machine, shut down the machine securely and uncouple it from the tractor.
- Attach the earth of the welding device near to the welding point.
- Avoid generation of toxic vapour and dust. Hazardous fumes can be produced when paint is heated by welding, soldering, or using a torch.
- Do all work outside or in a well ventilated area.
- Dispose of paint and solvent properly.
- Remove paint before welding or heating:
 - If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
 - If you use solvent or paint stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from the area. Allow fumes to disperse at least 15 minutes before welding or heating.



3.7. Safety routines



3.7.1. Shutting down and securing the machine

	 WARNING!
	<p>Risk of injury due to movements of the machine or machine parts!</p> <ul style="list-style-type: none"> ➤ Shut down and secure the machine before leaving the operator's seat!

To shut down and secure the machine:

- Shut down the drive and wait until any parts with overrun have come to a complete stop.
- Shut down the machine, remove the ignition key and take it with you.
- Secure the machine to prevent it from rolling away. (parking brake).

3.7.2. Securing the raised machine and machine parts to prevent them from descending

	 WARNING!
	<p>Risk of injury due to the machine or machine parts descending!</p> <ul style="list-style-type: none"> ➤ Prior to performing any work below a raised machine or raised machine parts, secure the respective machine or machine parts and prevent them from descending using a rigid safety prop or hydraulic locking device (e.g. stop valve) and suitable supports.

To securely support the machine or machine parts:

- Only use suitable and adequately dimensioned materials as supports.
- Car jacks are not suitable for supporting the machine or machine parts and therefore must not be used for this purpose.

3.8. Safety mark on the machine

Safety stickers on the machine offer warnings against hazards in danger areas and are an important component of the machine's safety equipment. Missing safety stickers increase the risk of serious or even fatal personal injuries.

- Clean soiled safety stickers.
- Check all safety stickers after all cleaning work to ensure that they are still complete and easily legible.
- Immediately replace any missing, damaged or illegible safety stickers. (replacement safety stickers are available from your dealer)

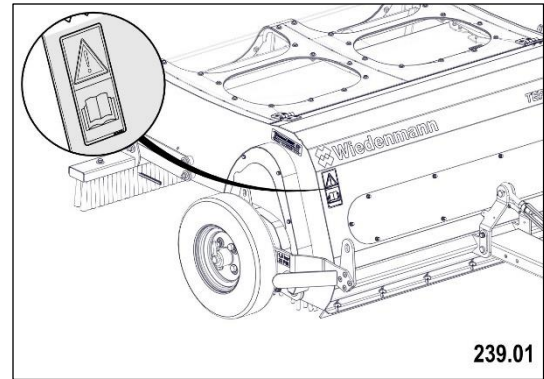


3.8.1. Position and meaning of the safety stickers

Operating Instructions

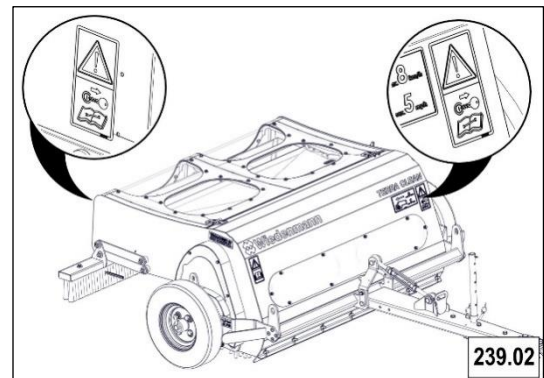
These operating instructions contain all important information necessary for safe machine operation.

- Carefully observe all safety instructions to avoid accidents.
- Read operating instructions!





Maintenance

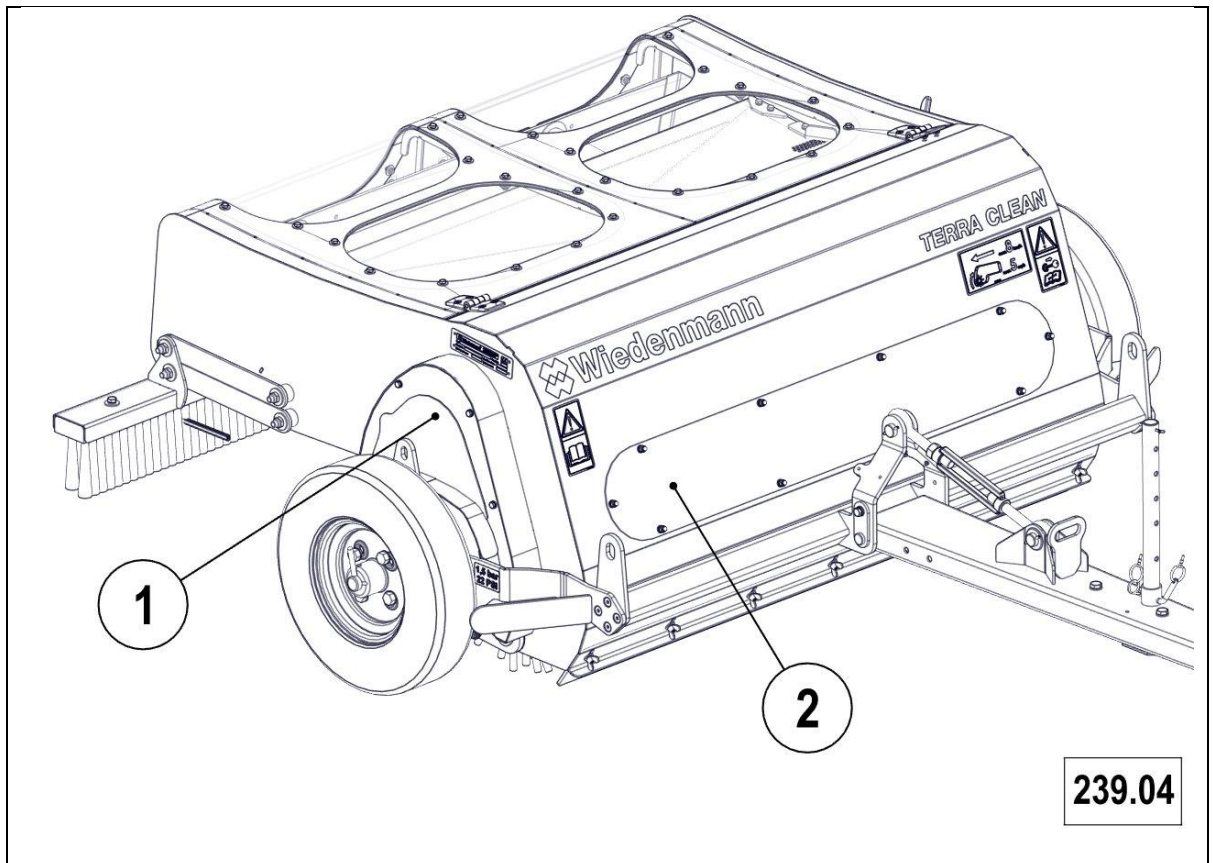
- Before performing maintenance or repair work, shut off engine and remove key.



3.8.2. Safety devices

	 DANGER!
	<p>Risk of injury due to missing safety devices!</p> <p>➤ Never operate the machine without safety devices!</p>

3.8.3. Position of safety devices



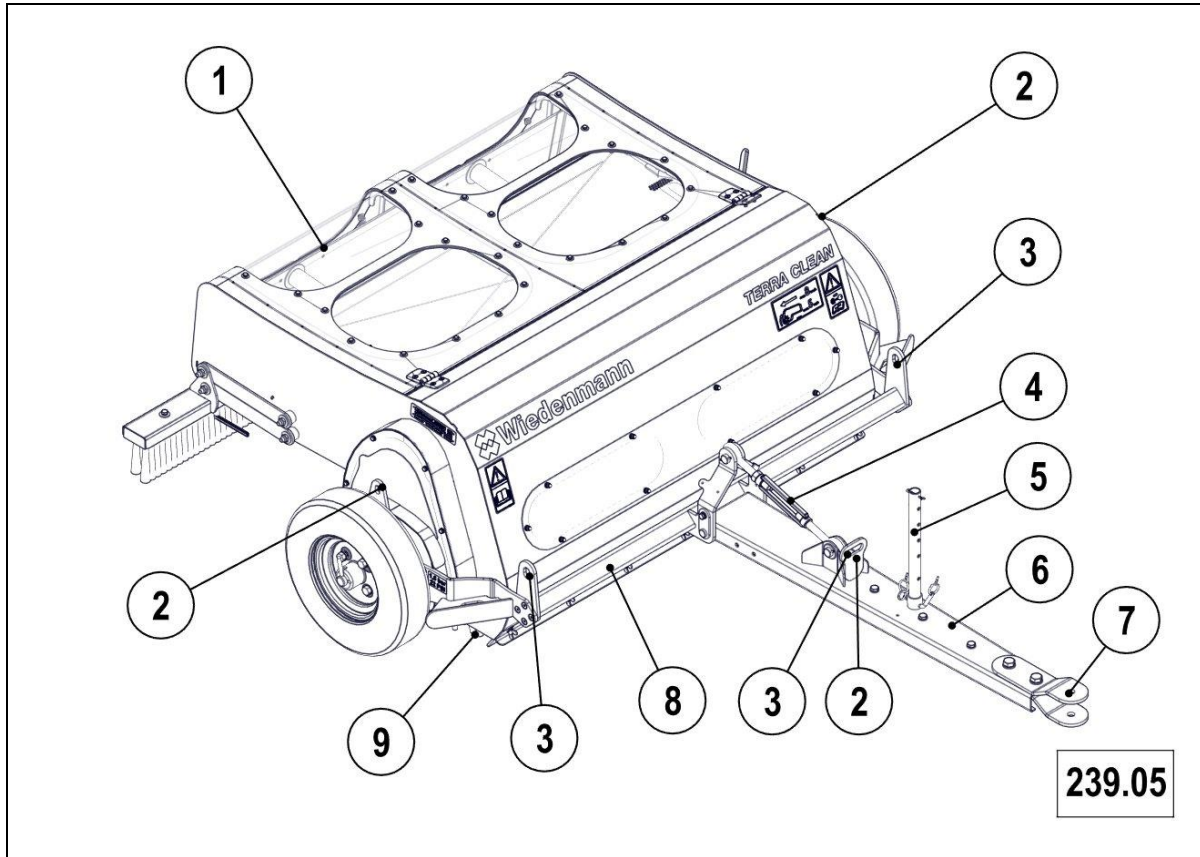
1	Guard plates over the drive mechanism, only removable with tools
----------	--

2	Cover, only removable with tools.
----------	-----------------------------------

4. Machine description

4.1. Machine overview

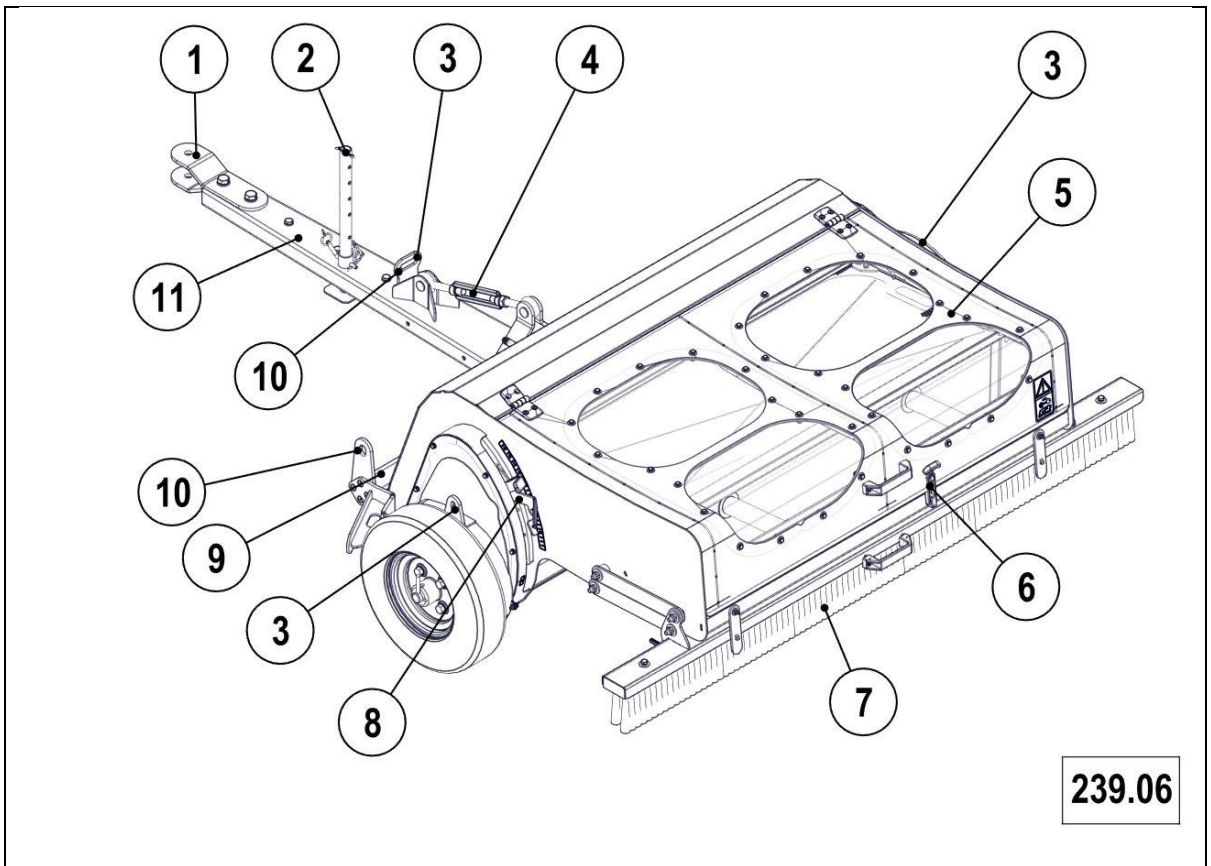
4.1.1 Front-right view



1	Covering hood
2	Transport Using Crane
3	Securing points for transport on a trailer
4	Tension jack
5	Support

6	Drawbar
7	Fishplate
8	Vehicle chassis
9	Brushes

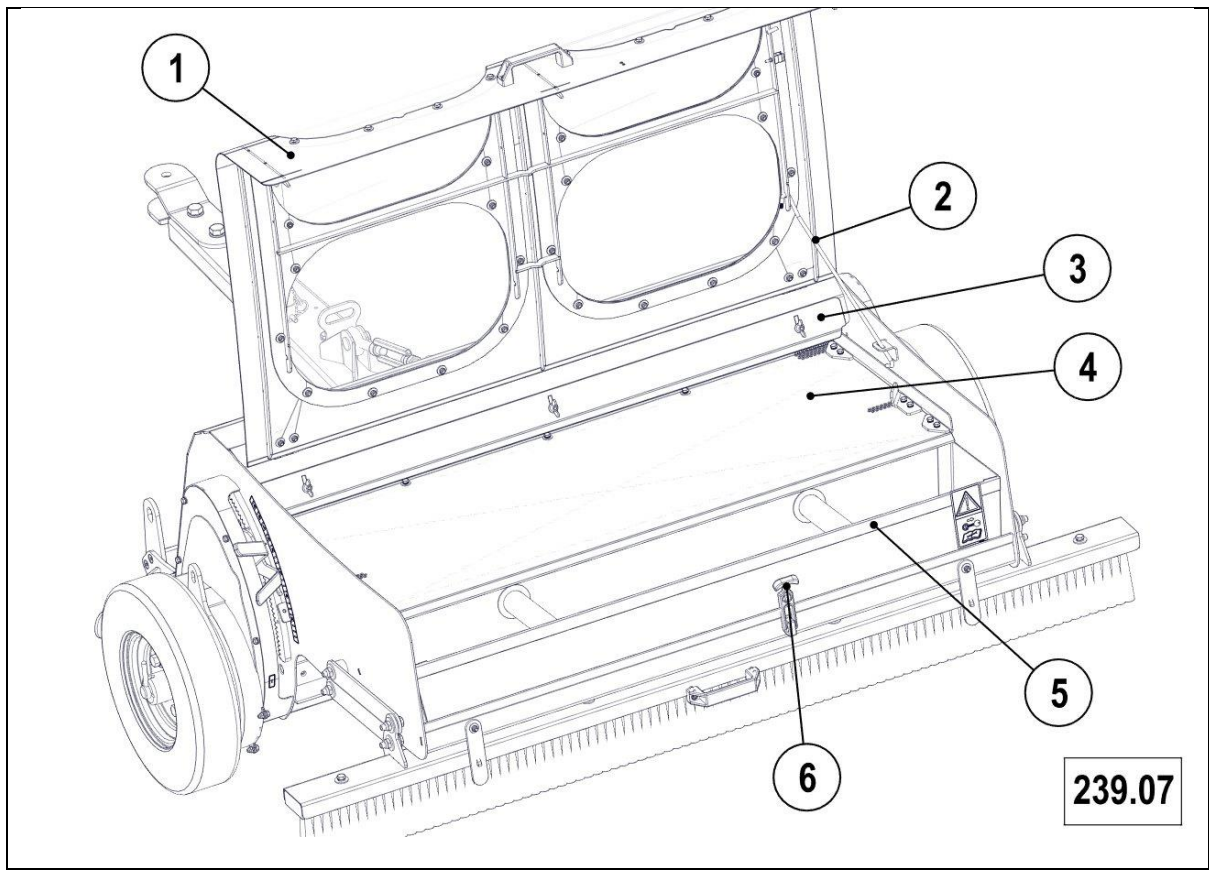
4.1.2 Rear-left view



1	Fishplate
2	Support
3	Transport Using Crane
4	Tension jack
5	Covering hood
6	Clip lock for the covering hood
7	Rear brush (option)

8	Adjustable central working height
9	Vehicle chassis
10	Securing points for transport on a trailer
11	Drawbar

4.1.3 Agitator unit internal view



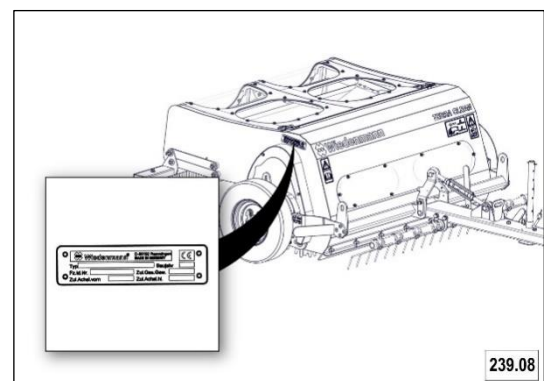
1	Covering hood
2	Covering hood supporting arm
3	Material flow adjustment plate

4	Agitator unit
5	Dirt container
6	Covering hood clip lock

4.2. Nameplate

	INFO!
	➤ The nameplate lists documented values and must not be changed, damaged or otherwise concealed!

The machine data is printed on the nameplate (1). The nameplate is fitted on the right-hand side of the machine chassis.



4.2.1 Chassis number

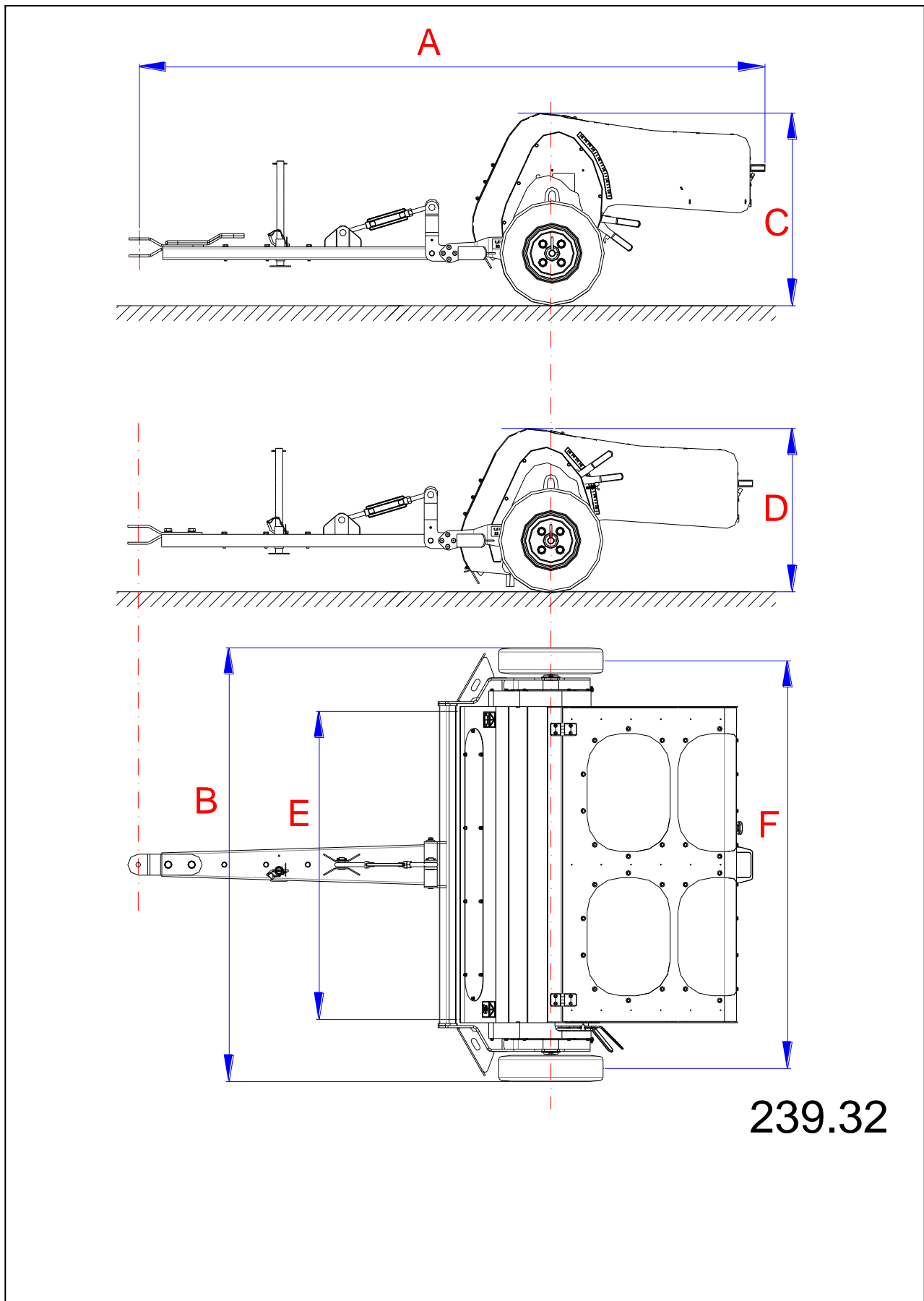
This number should be quoted in the event of warranty claims and when ordering spare parts. See Section 4.2 „ Nameplate“.

- Enter the vehicle identification number, the machine type and the year of manufacture on the front cover page of these operating instructions.

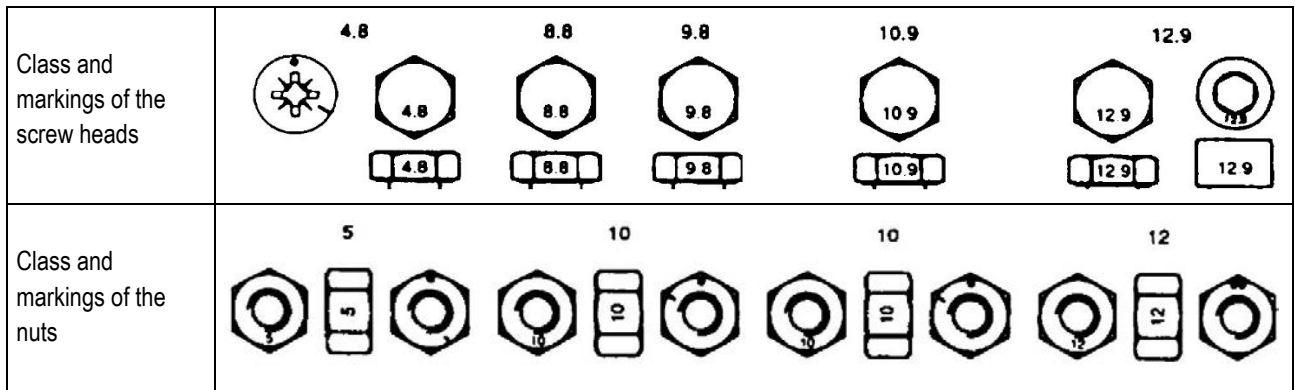
4.3. Technical specifications

A	Machine length in the transport position	2400 mm
B	Machine width	1655 mm
C	Machine height in the transport position	735 mm
D	Machine height in working position	635 mm
E	Working width	1200 mm
F	Track width	1555 mm
	Drive speed at 8 km/h	
	Cylinder broom working speed	ca. 680 min⁻¹
	Eccentric shaft working speed	ca. 680 min⁻¹
	Min. power required for tractor	12 KW / 16 PS
	Operating speed	6 – 8 km/h
	Cylinder broom working depth	5 – 7 mm
	Tyres	400-8 / 4PR
	Diameter of tires	400 mm
	Tyre pressure	1,5 bar
	Collecting tray volume	50 l
	Weights:	
	Design with drawbar	218 kg
	Permissible additional load	12 kg
	Harrow	7 kg
	Rear brush	35 kg
	Max. total weight	270 kg

4.3.1 Technical data sheet



4.3.1. Torques for metric screws



Size	Class 4.8				Class 8.8 oder 9.8				Class 10.9				Class 12.9			
	Lubricated *		Dry **		Lubricated *		Dry **		Lubricated *		Dry **		Lubricated *		Dry **	
	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft
M6	4,8	3,5	6	4,5	9	6,5	11	8,5	13	9,5	17	12	15	11,5	19	14,5
M8	12	8,5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	255	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1300	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

The torques in this table are guidelines and do NOT apply where a different torque for certain screws or nuts is given in this instruction manual. Check tightness of fasteners periodically. Shear bolts are designed to fail under predetermined loads. Always replace shear bolt with identical property class. Fasteners should be replaced with the same or higher property class. If higher property class fasteners are used, these should only be tightened to the strength of the original.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening. Tighten plastic insert or crimped steel-type lock nuts to approximately 50 % of the dry torque shown in the chart, applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value.

* "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings.


** "Dry" means plain or zinc plated without any lubrication.


4.4. Operating materials

Designation	Specifications
Lubricating greases	MT47 (visc. 55) Min. 3%–5% molybdenum sulphide

5. Assembly

5.1. General information on assembly

 DANGER!
An unsecured tractor poses a risk of injury.
<ul style="list-style-type: none"> ➤ Switch the machine and the motor of the tractor off and remove the ignition key before carrying out maintenance. ➤ Secure the tractor to prevent it from rolling away. (parking brake). ➤ Always position the machine on a flat surface before detaching it.

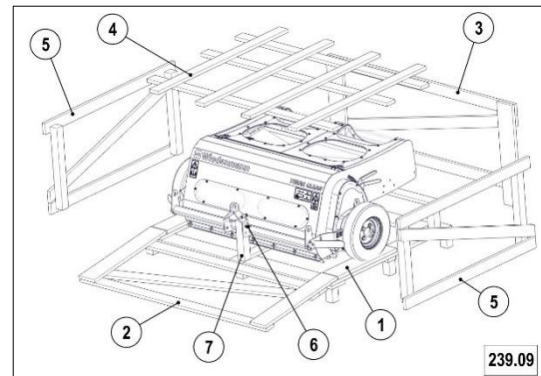
 WARNING!
Failure to wear personal protective equipment poses a risk of injury.
<ul style="list-style-type: none"> ➤ Wear personal protective equipment. See Section 3.6.10 „Personal protective equipment“

5.2. Unpacking the machine

The transport frame is made up of the following components:

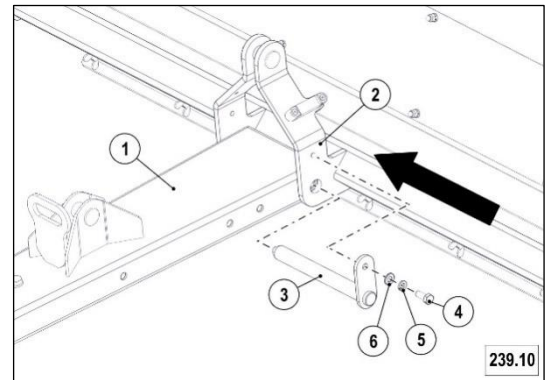
- Lower section (1)
- Front section (2)
- Rear wall (3)
- Top part (4)
- Individual bars on the left and right
- Remove the top part (4) and side walls (5).
- Lay the front section (2) on the lower section (1) as a ramp.
- Remove the bolt (6) and squared timber (7).

- Attach the drawbar (see chapter 5.3 “Installing the drawbar”).
- Set the machine to the transport position (see chapter 7.3 “Support for drawbar”)
- Pull the machine down the ramp from the lower section or lift it off using a crane (see chapter 6.2.2 “Transport Using a Crane”).

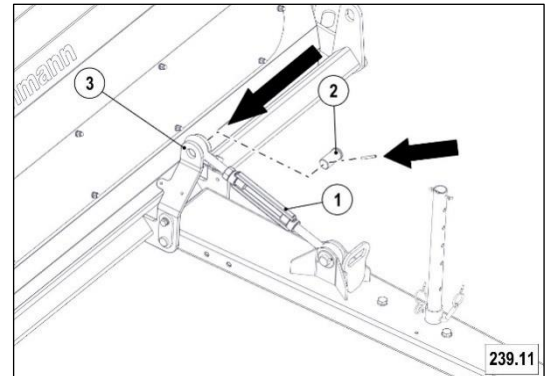


5.3. Installing the drawbar

- Attach the drawbar (1) to the frame (2) using the locking pin (3).
- Secure locking bolt (3) with hexagon screw (4), lock washer (5) and U-washer (6).





- Insert and secure the tension jack (1) to the frame (3) using the pin (2).



6. Transport



6.1. Safety instructions for transport

The machine is delivered secured on a transport frame.

	 DANGER!
	<p>Danger to life due to falling load!</p> <ul style="list-style-type: none"> ➤ Only use a forklift truck with sufficient load capacity to raise the machine! ➤ Never stand under lifted loads.

Improper transportation and attachment of the machine can:

- injury to persons
- damage to property
- Pay special attention to the direction of approach when lifting the machine with the transport frame.
We do not accept any liability for damage resulting from improper handling.


	 WARNING!
	<p>Risk of injury due to the ends of the tensioning straps "jumping up"!</p> <ul style="list-style-type: none"> ➤ Caution must be exercised when cutting through the securing straps.

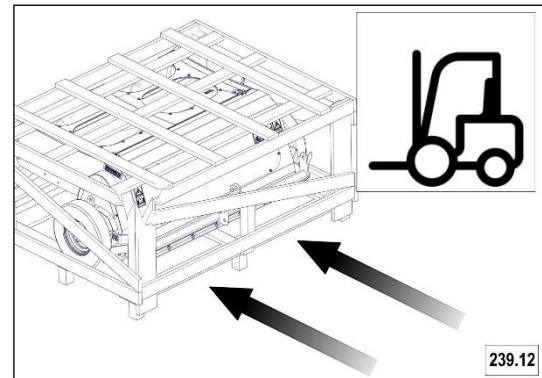
6.2. Transporting of the machine

6.2.1 Transport using a forklift

If the machine is still secured on the transport frame:

- Insert the forks under the transport frame (pay attention to the direction of approach),
- carefully lift the transport frame,

	CAUTION!
	<p>Tilting load!</p> <ul style="list-style-type: none"> ➤ When raising the shipping container, pay attention to the load's centre of gravity!



- Die Maschine vom Transportgerät abladen.
- Alle Befestigungsteile entfernen.
See chapter 5.2 „Unpacking the machine“.
- Installing the drawbar. See chapter 5.3 „Installing the drawbar“.
- Couple the tractor.
- Roll the machine off the shipping frame.

6.2.2 Transport Using a Crane

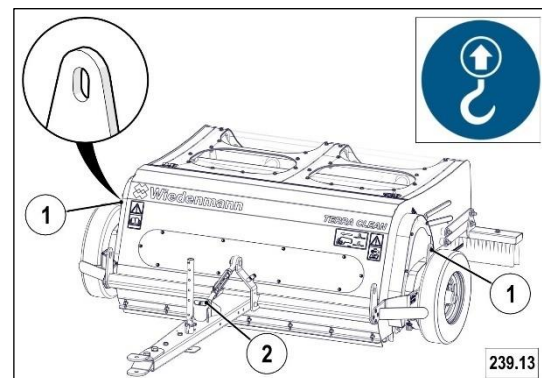
The following 3 points on the attachment device enable it to be hitched to a crane.

Point 1:


2 x – On the left and right wheel mounts

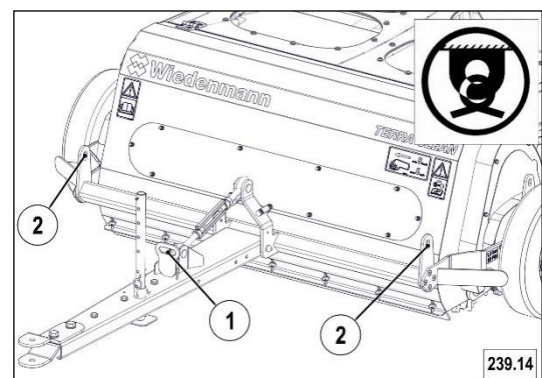
Point 2:

1 x – Bracket on the drawbar



6.2.3 Lashing the machine during transport


	CAUTION!
	<p>Danger of toppling due to failure of lower parking support.</p> <ul style="list-style-type: none"> ➤ Observe notes in Section Fehler! Verweisquelle konnte nicht gefunden werden. "Fehler! Verweisquelle konnte nicht gefunden werden."




- Tighten tie-down straps evenly, alternating diagonally across.
- On both sides, use hooking points (1) and lash the belt forwards.
- On both sides, use hooking points (2) and lash the belt rearwards.

7. Attaching to a tractor

7.1. Safety instructions for attachment to the tractor

	⚠ WARNING!
	<p>Danger of tilting!</p> <ul style="list-style-type: none"> ➤ Only connect on firm and even ground!

	⚠ CAUTION!
	<p>Impairment of the tractor's driving characteristics!</p> <ul style="list-style-type: none"> ➤ Always adapt your driving style to match the terrain and ground conditions! ➤ Special care should be taken when working and turning on a slope! ➤ Take into account unevennesses of the ground (bumps)!

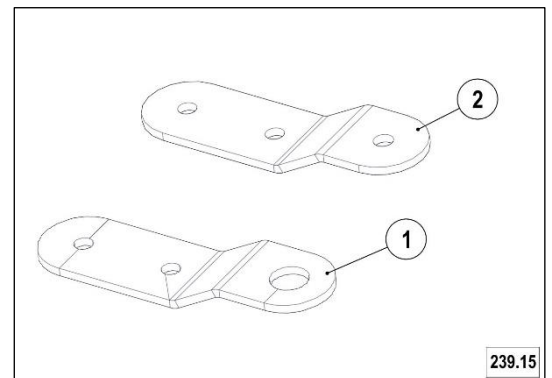
The following is required for attaching the machine:

- Tractors with at least min. 12 KW (16 PS)
- A swinging drawbar.

7.2. Hitching to tractors using an adjustable drawbar

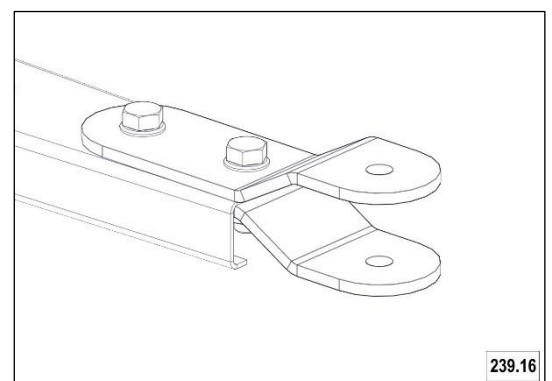
7.2.1 Variants:

- Fishplates (1) with large hole
- Fishplates (2) with small hole

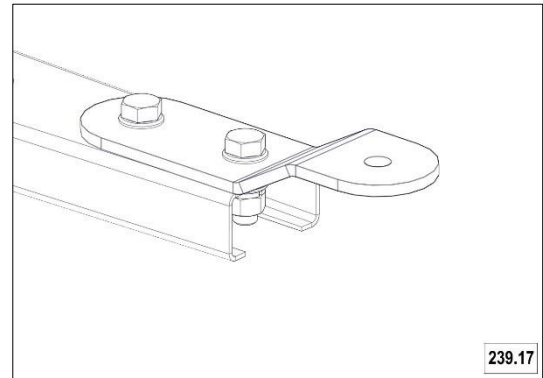


7.2.2 Trailer versions:

Trailerversion I



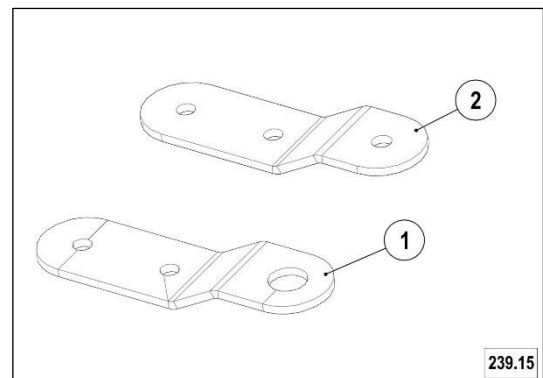
Trailerversion II



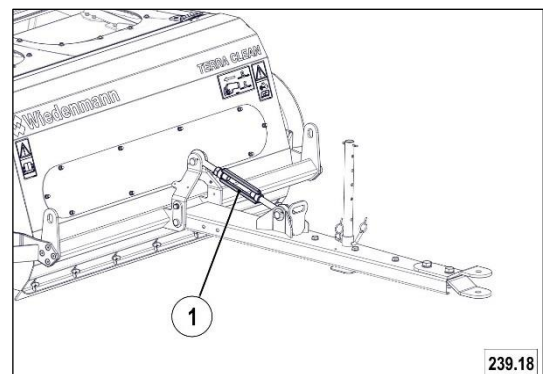
7.2.3 Attaching the machine

The draw shackles (2) are installed when delivered.

- Insert machine to adjustable drawbar and secure.

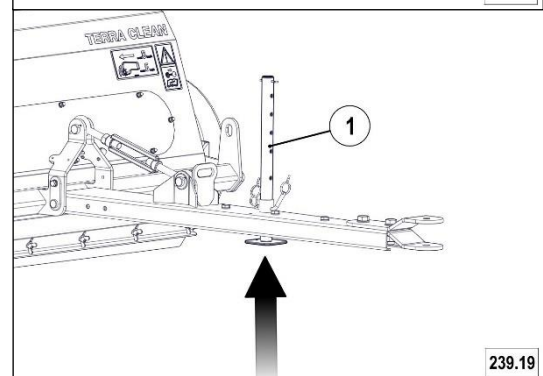


- Set tension jack (1) to the appropriate function. See chapter 8.2.3 “Setting the agitator unit tilt angle”.
- For transporting the machine to or from a place of use, set the Terra Clean to the transport position. See chapter 7.4 “Transportation the machine”.



7.3. Support for drawbar

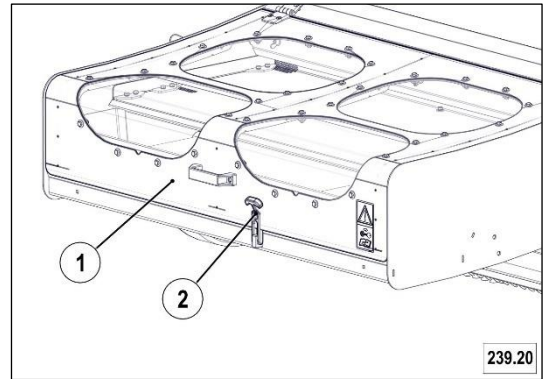
- Push supports (1) into the most upper position, peg out and secure.



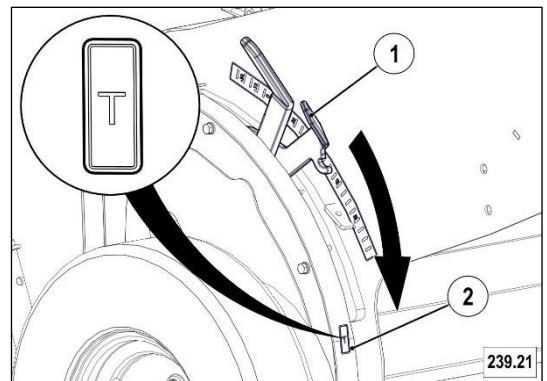
7.4. Transportation the machine

For driving on the open road, the attachment device must be equipped with a lighting system:

- Switching off the drive!
 See chapter 9.3 “Switching the drive on and off”.
- Secure covering hood (1) with tensioning belt lock (2).



- Set the central working height (1) to the "T" position (transport position) (2).



8. Before initial operation

8.1. General information before startup

 	<p>⚠ ATTENTION!</p>
	<p>Material damage due to incorrect treatment of the lawn.</p> <ul style="list-style-type: none"> ➤ Obtain approval for treatment from groundsman or synthetic grass manufacturer. ➤ If the work setting is too low, the wheels may lock and potentially damage the ground.


8.2. Settings on the machine

8.2.1 Setting the working height

The machine has an adjustable central working height.

- Drive the tractor and attachment device onto the artificial turf area.

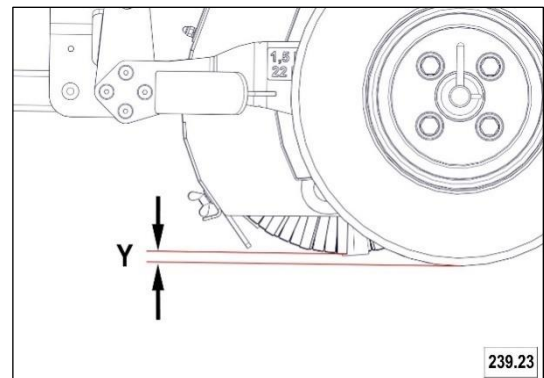
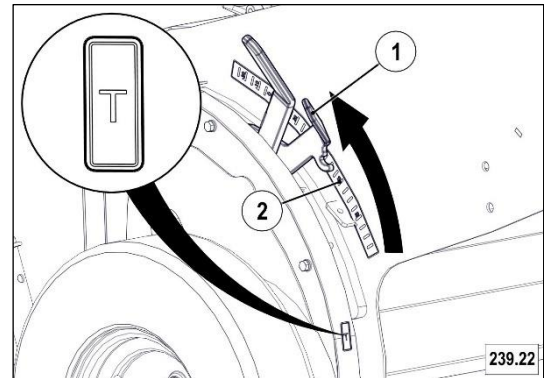
Depending on the condition of the ground or the compression of the granulate, you may need to set the correct working position tooth-by-tooth.

	INFO!
	<ul style="list-style-type: none">➤ Check the setting after a few metres.➤ Adjusting by one tooth results in a height difference of 5 mm.

- Raise the adjusting lever (1) to the „0“ position (2).

The minus values on the scale are required for worn strip brushes.

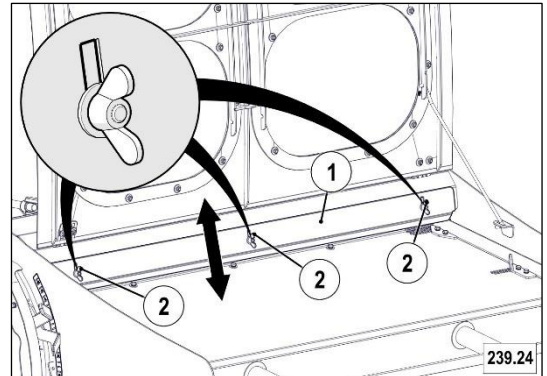
When set to 20 with a new strip brush, the clearance (Y) from the lower edge of the strip brush to the firm ground is approx. 20 mm.



8.2.2 Setting the adjustment plate in the container

In order to change the material flow and therefore dirt separation, the adjustment plate (A) can be set variably. To do this:

- Undo the wing nuts (B).
- Set the adjustment plate (A).
- Retighten the wing nuts (B).

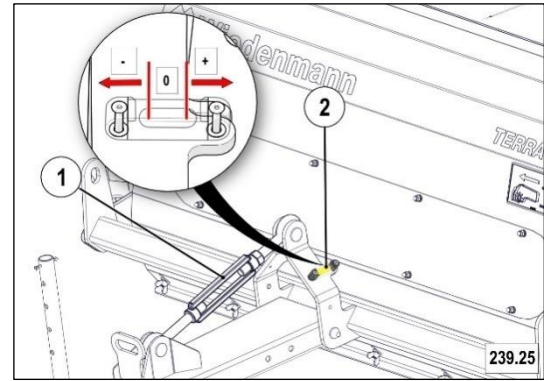


i	INFO!
	➤ On newly prepared grounds, a considerable amount of loose fibre must be expected.

Agitator unit tilt angle	Description	Adjustment plate setting
+	<ul style="list-style-type: none"> • for dry conditions • new or highly filled grounds with low dirt proportion • on regularly maintained grounds with low proportion of coarse dirt • for deep surface cleaning 	➤ Position in the upper slot
	<ul style="list-style-type: none"> • on regularly maintained grounds with low proportion of coarse dirt 	➤ Middle slot
Neutral 0	<ul style="list-style-type: none"> • on regularly maintained grounds with coarse dirt • for dry conditions with fibre content 	➤ Middle slot
-	<ul style="list-style-type: none"> • grounds which are not regularly maintained with broken fibre content • for dry conditions and flat surface cleaning • for flat processing with low leaf coverage 	➤ Central or top position in the slotted hole, depending on the type and size of the grass

8.2.3 Setting the agitator unit tilt angle

- Turn the tension jack (1) on the drawbar to set one of the following positions.
- Observe the spirit level (2) when doing so.



Position „0“

- on regularly maintained grounds with coarse dirt
- for dry conditions with fibre content

Position „+“ = nach hinten ansteigend

- new or highly filled grounds with low dirt proportion
- on regularly maintained grounds with low proportion of coarse dirt
- for deeper surface cleaning
- for dew coverage and flat surface cleaning

Position „-“, = nach hinten abfallend

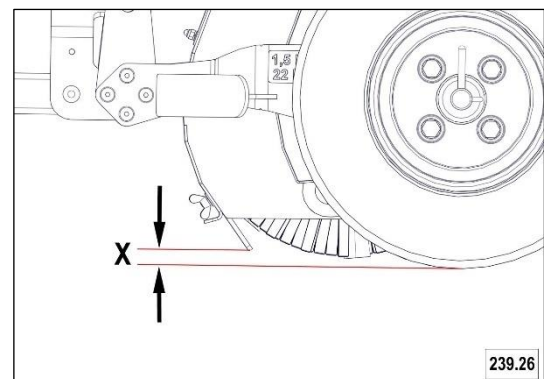
-
- grounds which are not regularly maintained with broken fibre content
- for dry conditions and flat surface cleaning
- for flat processing with leaf coverage

8.2.4 Adjusting the baffle lugs at the front

When delivered, the impact flaps are set to the lowest position.

- When using worn strip brushes, the impact flaps must be set on a level, solid surface.

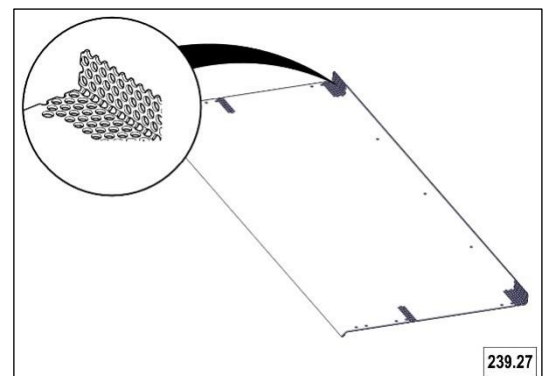
The clearance (measurement X) from the bottom edge of the impact flaps to the ground should be at least 10 mm more than the distance from the strip brush to the ground.



8.3. Changing the vibrating screen

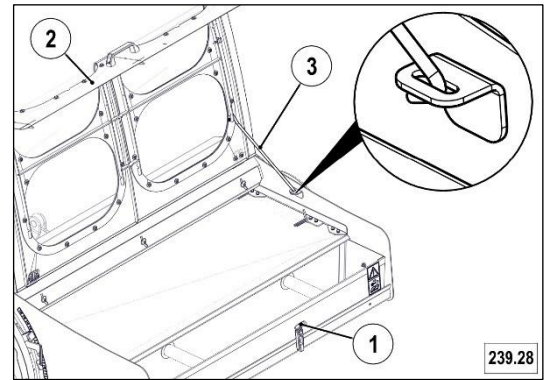
8.3.1 Option – vibrating screen

- Riddle screen with 6 mm holes (Standard)
- Riddle screen with 5 mm holes (Option)
- Riddle screen with 8 mm holes (Option)

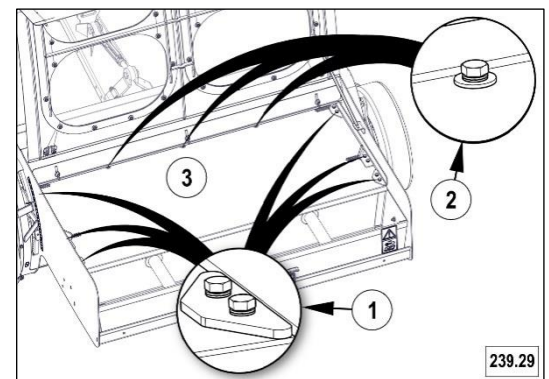


8.3.2 Changing the vibrating screen

- Open the tension strap clasp (1) and fold the cover (2) forwards.
- Secure the cover (2) with the support lever (3).





- Remove the hexagon bolts on the side (1) and the hexagon bolts on the front (2) together with the lock washers and the clamp plates.
- Remove the vibrating screen (3) from the rear.





To fit the new screen, follow these steps in reverse order.

9. Operation


9.1. General information on operation

 	⚠ ATTENTION!
	<p>Material damage due to incorrect treatment of the lawn.</p> <ul style="list-style-type: none"> ➤ Obtain approval for treatment from groundsman or synthetic grass manufacturer. ➤ If the work setting is too low, the wheels may lock and potentially damage the ground. ➤ Drive at a moderate speed. Max. 8 km/h. ➤ Reduce the operating speed to 6 km/h in the case of high granulate quantity. ➤ Avoid abrupt braking and acceleration, or steering movements. ➤ Avoid tight curves.

	INFO!
	<ul style="list-style-type: none"> ➤ Machine should not be used where the granulate is wet, as moist fibres clog the holes of the riddle screen.

	⚠ CAUTION!
	<p>Not approved for use on public roads.</p> <ul style="list-style-type: none"> ➤ Driving on public roads is NOT permitted.

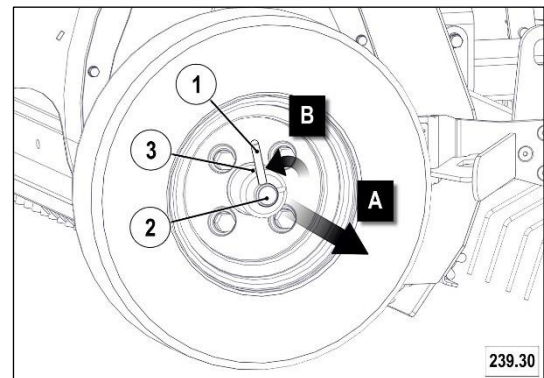
9.2. Driving characteristics

	⚠ CAUTION!
	Impairment of the tractor's driving characteristics! <ul style="list-style-type: none">➤ Always adapt your driving style to match the terrain and ground conditions!➤ Special care should be taken when working and turning on a slope!➤ Take into account unevennesses of the ground (bumps)!

9.3. Switching the drive on and off

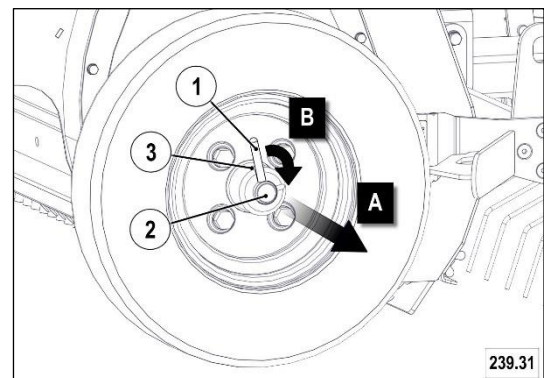
9.3.1 Switching on the drive

- Use the lever (1) to pull the carrier shaft (2) outwards slightly.
- Turn the lever (1) in the direction of the deep groove and lock in place (3).
- Slow movement causes the carrier shaft (2) to lock in the final position.




9.3.2 Switching off the drive

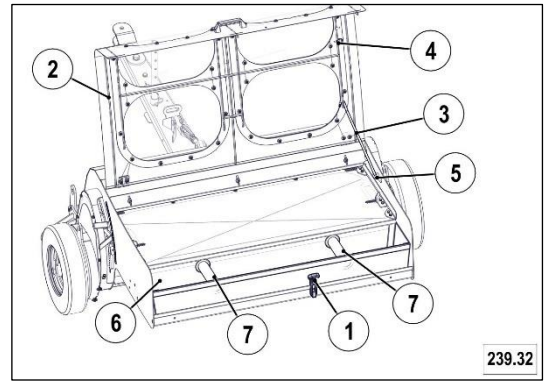
- Drive a short distance backwards
- Use the lever (1) to pull the carrier shaft (2) out of the deep groove.
- Turn the lever (1) in the direction of the shallow groove and lock in place.



9.4. Emptying the Dirt Container

	⚠ WARNING!
	An unsecured tractor poses a risk of injury! <ul style="list-style-type: none">➤ Prior to performing any servicing, maintenance or cleaning work, shut down the engine and remove the ignition key!

- Release the tensioning belt lock (1).
- Lift the protective covering (2).
- Pull the supporting arm (3) out of the spring clip (4) and hook into the slot on the protective covering bracket (5).
- Use the reinforcing tubes (6) to lift out and support the container (7).
- Place the empty containers in the frame.
- Hook the supporting arm (3) onto the bracket (5) and press into the spring clip (4).
- Close the protective covering (2).
- Hook in the tensioning belt lock (1).



10. Detaching from the tractor

10.1. Safety instructions for dismantling the tractor

	DANGER!
	<p>Risk of injury due to the machine rolling away!</p> <ul style="list-style-type: none"> ➤ Before disconnecting the machine from the tractor, secure it with chocks to prevent it from rolling away! See Section 3.7.1 "Shutting down and securing the machine"

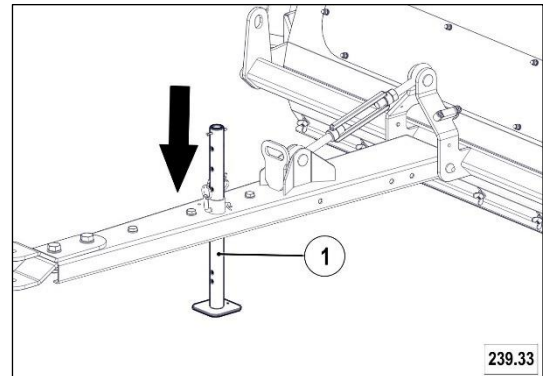
	WARNING!
	<p>Danger due to unsecured machine.</p> <ul style="list-style-type: none"> ➤ Prior to performing any servicing, maintenance or cleaning work, shut down the engine and remove the ignition key. ➤ When removing the machine, always set it down on a firm and even surface. ➤ Only remove the machine from the tractor when unloaded

	WARNING!
	<p>Failure to wear personal protective equipment poses a risk of injury.</p> <ul style="list-style-type: none"> ➤ Wear personal protective equipment. See Section 3.6.10 „Personal protective equipment“

	CAUTION!
	<p>Material damage due to incorrect storage</p> <ul style="list-style-type: none"> ➤ Only store the machine in a dry place

10.2. Disconnecting the machine from the tractor

- Set the machine to the transport position. See chapter 8.2.1 "Setting the working height".
- Move parking support (1) downwards to the necessary position and secure so that the machine stands level to the ground
- Release coupling connector from tractor, then drive forward and away from the machine.
- Reinsert coupling connector on tractor and secure.



11. Maintenance



11.1. General instructions for maintenance

	⚠ DANGER!
	An unsecured tractor poses a risk of injury.
	<ul style="list-style-type: none"> ➤ Always carry out maintenance work with the equipment attached. ➤ Prior to performing any servicing, maintenance or cleaning work, shut down the engine and remove the ignition key! ➤ Secure the tractor to prevent it from rolling away. (parking brake).

	⚠ DANGER!
	Risk of injury due to the machine rolling away!
	<ul style="list-style-type: none"> ➤ Before disconnecting the machine from the tractor, secure it with chocks to prevent it from rolling away! See Section 3.7.1 "Shutting down and securing the machine"

	⚠ WARNING!
	Incorrect servicing/maintenance!
	<ul style="list-style-type: none"> ➤ Welding of bearing parts of the vehicle may only be carried out according to the accepted rules of welding technology! ➤ Replace damaged tools! ➤ Ensure the setting is exact during assembly. ➤ Attach all protective equipment and covers after maintenance.

	⚠ CAUTION!
	Risk of injury from cutting tool!
	<ul style="list-style-type: none"> ➤ When working on the cutting tools take safety measures for preventing injuries (e.g. gloves)!


 	⚠ ATTENTION!
<p>➤ Only original parts should be used! Parts from other manufacturers are often not of sufficient quality and so endanger your safety.</p> <p>In addition, the warranty and claims against warranty can only be guaranteed if only original parts by Wiedemann were used. We explicitly inform you that parts not delivered by Wiedemann are not tested or released by Wiedemann. Therefore, installing or using such products may negatively influence preset properties of your vehicle and therefore endanger your active or passive safety. Damage caused by the use of parts other than original parts are excluded from the manufacturer's liability</p>	

11.2. Maintenance tables

11.2.1. Maintenance table (staggered in time)

Maintenance interval	Maintenance measure	Area
First use after 5 hours	➤ Check all moving parts and screws for tightness.	Machine
Every 8 hours	➤ Basic cleaning	Screen
	➤ Clean	Sweeping roller
	<ul style="list-style-type: none"> ➤ Check the wheels and tyres for under-inflation, cuts and protrusions. ➤ Check and replace, if necessary, wheel bolts and wheel nuts, as well as rims. 	Wheels and tyres
First use after 20 hours	➤ Initial check See section 11.5.1	Chain tension
20 hours	➤ Lubricate; with chain grease or adhesive lubricant	Chain
40 hours	➤ Check and retension, if necessary, chain tension See section 11.5.1	Chain
As required	➤ Check air pressure	Wheels
	➤ If brush length is (shorter than 65 mm) install new brush strip set See section 11.4.2"	Strip brushes
Annually	➤ Protect the machine	Machine

11.3. Cleaning the machine

	CAUTION!
	<p>Risk of injury during maintenance.</p> <ul style="list-style-type: none"> ➤ Cleaning must only be carried out using hand brushes or water - never with bare hands.


- Clean the machine daily when work is completed to ensure a faultless function during the next usage.

Main cleaning points are:

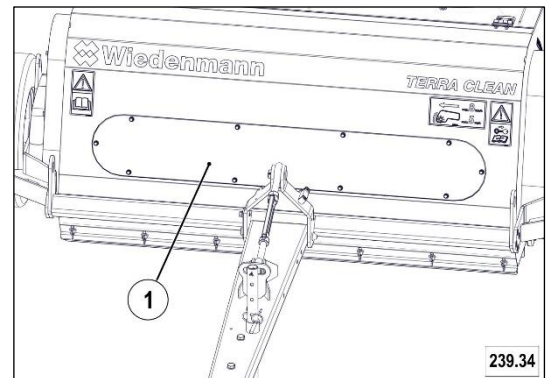
- all brush rails
- riddle screen in container
- perforated mesh in collecting tray

11.4. Cylinder broom


11.4.1 Cleaning the cylinder broom

	CAUTION!
	<p>Risk of injury during maintenance.</p> <ul style="list-style-type: none"> ➤ Cleaning must only be carried out using hand brushes or water - never with bare hands.

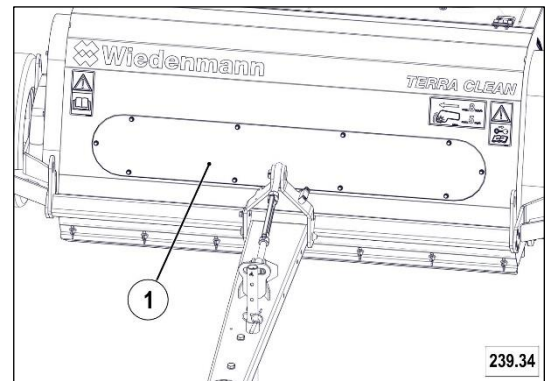
- Switch off the cylinder broom drive, see section 9.3.2 Switching off the drive”.
- Remove the cover (1).
- Cleaning the sweeping head and strip brushes.
- After cleaning, fit the cover (1).



11.4.2 Turning or Replacing the Brush Rails

	WARNING!
	<p>Danger due to unsecured machine.</p> <ul style="list-style-type: none"> ➤ Prior to performing any servicing, maintenance or cleaning work, shut down the engine and remove the ignition key.

- Park the tractor and remove the ignition key.
- Remove the cover (1).

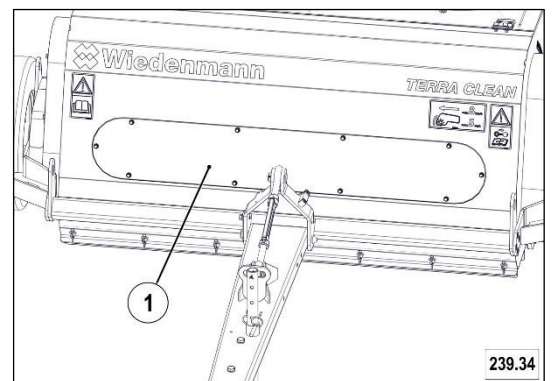
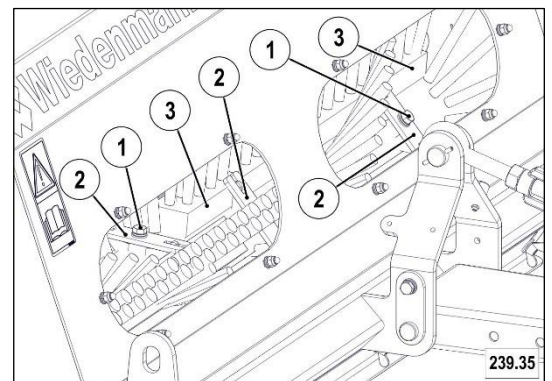


- Unscrew the hexagon screws (1) and remove with the plates (2).
- Remove and check the strip brush (3).

In the case of slightly deformed brush rails, these can be reinstalled turned through 180°.



In the case of severely deformed brush rails, all brush rails have to be replaced.

- Position the strip brush (3) on the brush pipe and secure in place using the plates (2) and screws (1).
- After completing these steps, fit the cover (1).



11.5. Drive

11.5.1 Retensioning the chain

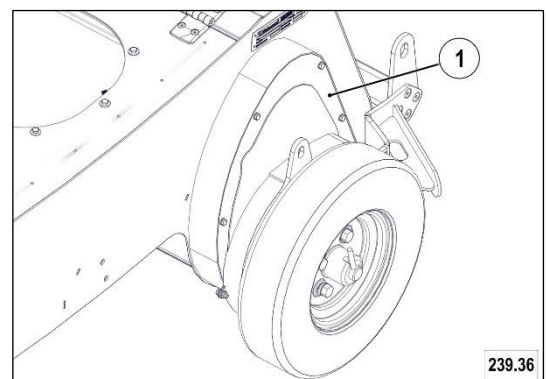
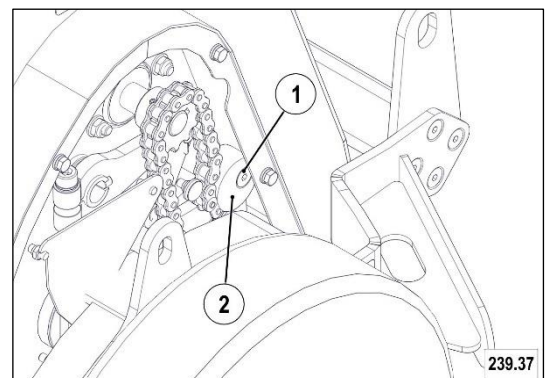
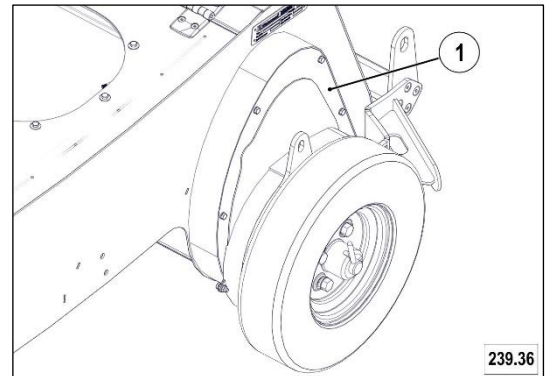
	 WARNING!
	Danger due to unsecured machine. ➤ Prior to performing any servicing, maintenance or cleaning work, shut down the engine and remove the ignition key.

To retension the chain, proceed as follows:



- Park the tractor and remove the ignition key.
- Remove the cover (1) from the right-hand side.

- Remove the screw (1).
- Turn the chain tensioner (2) to the required position.
- Fully tighten the screw (1).

- After completing these steps, fit the cover (1).





11.6. Wheels and tyres

	 DANGER!
	<p>Risk of injury due to explosive bursting of the tyres.</p> <ul style="list-style-type: none"> ➤ Always adhere to the recommended tyre pressure.! ➤ Never inflate the tyres over the recommended pressure. ➤ Do not heat the wheels or tyres or carry out welding on them. ➤ Never stand in front of or on the tyre. If available, use a safety cage.

Do not heat the wheels or tyres or carry out welding on them. Heating the tyres can lead to explosion-type tyre bursts as the pressure in the tyre thereby becomes very high. Welding can lead to deformations or damage of the wheel.



When inflating the tyres, select a filling connection with a safety clip and an extension hose with sufficient length so that you can stand to one side when inflating the tyres.

	 CAUTION!
	<p>Risk of accident during tyre fitting.</p> <ul style="list-style-type: none"> ➤ Only carry out tyre installation if you have appropriate experience and equipment.

- Regularly check the tyre pressure: 1,5 bar
- Check wheels and tyres daily for low pressure, slits, bulges, damaged rims, missing wheel bolts or –nuts.

11.7. Lubricating points

11.6.1 Lubrication – General information

	 WARNING!
	<p>Danger due to unsecured machine.</p> <ul style="list-style-type: none"> ➤ Prior to performing any servicing, maintenance or cleaning work, shut down the engine and remove the ignition key.

- Where required, lubricate more often than specified.
- Always keep all exposed machine parts, threaded spindles and guides lightly lubricated
- Apply a small amount of oil tot he chain.
- Before starting the machine aftra a longer standstill, lubricate and maintain the entire machine.

11.6.2 Lubricating greases

Designation	Specifications
Lubricating grease	MT47 (visc. 55) Min. 3%–5% molybdenum sulphide

11.8. Unauthorized conversion and spare part manufacture

- Only convert or change the machine with the express permission of the manufacturer!
- The use of original parts and accessories authorized by the manufacturer is in the interest of your safety. Using parts not released by the manufacturer can have a negative impact on the properties of the machine. In this case, the manufacturer will assume no responsibility for the resulting consequences.




12. Troubleshooting

Description	Cause	Solution
Absorption quality is unsatisfactory	• Brush frequency may be too low.	➤ Increase the driving speed to a maximum of 8 km/h. Caution ! When travelling around bends, reduce speed to below 5 km/h.
	• Gap is too wide between baffle plate and brushes.	➤ Check brushes, if necessary replace strip brushes (see section 11.4.2.)
	• Cylinder broom set too high	➤ Set the adjustment one tooth deeper or, where appropriate, only make a fine adjustment on the tension jack. ➤ Take account of the maximum working depth of 3 mm.
	• Work site is badly littered	➤ Clean the area twice
		➤ Adjust the cleaning intervals to the level of contamination, See section 11.2.1
	• Coarse dirt is blown and/or works its way onto cleaned surfaces.	➤ For low leaf coverage, use the larger cover.
➤ Set the front impact flaps according to our specification and adjust slightly, if necessary. See section 8.2.4		
The machine and/or cylinder broom is only working on one side.	• Different tyre pressures in the wheels.	➤ Check the tyre pressures and correct, if necessary. See section 11.6
	• Excessive clearance caused by worn slide bearings	➤ Replace the slide bearings Contact a specialist workshop




Description	Cause	Solution
A large amount of granulate in the dirt container	<ul style="list-style-type: none"> • The artificial turf is too wet. 	<ul style="list-style-type: none"> ➤ Leave the area to dry fully. ➤ Reduce working depth accordingly.
	<ul style="list-style-type: none"> • Driving speed too low for dry working conditions. 	<ul style="list-style-type: none"> ➤ Increase the driving speed to a maximum of 8 km/h. Caution ! When travelling around bends, reduce speed to below 5 km/h.
	<ul style="list-style-type: none"> • Absorption brush is set too deep 	<ul style="list-style-type: none"> ➤ When adjusting to one tooth deeper, if necessary, only carry out fine adjustment on the tension jack. ➤ Take account of the maximum working depth of 3 mm.
	<ul style="list-style-type: none"> • The riddle angle is set too low. 	<ul style="list-style-type: none"> ➤ Set the riddle angle according to our specification and adjust slightly, if necessary. See section 8.2.3.
The drive becomes or is too loud.	<ul style="list-style-type: none"> • The agitator unit drive chain is running dry. 	<ul style="list-style-type: none"> ➤ Lubricate See section 11.6 ➤ Check the backlash and replace the toothed wheels if necessary.
	<ul style="list-style-type: none"> • The toothed wheels have too large a backlash. 	

13. Disposal

13.1. Disassembly/disposal

 	 ATTENTION!
	<p>Incorrect disassembly of machine parts!</p> <ul style="list-style-type: none"> ➤ Please refer to the chapter "Safety measures" and local safety regulations! ➤ The following hazards are: <ul style="list-style-type: none"> • residual pressure in lines and components. • heavy parts that could fall after disassembly • sharp edges • crushing if machine topples

- Place the machine on firm ground.
- Disassemble the machine from top to bottom.

 	 ATTENTION!
	<p>Incorrect disposal of environmentally hazardous substances!</p> <ul style="list-style-type: none"> ➤ Regulations and laws concerning the disposal of hazardous substances and pollutants must be observed in all cases! ➤ Familiarize yourself completely with the procedure for disposal!

14. Equipment

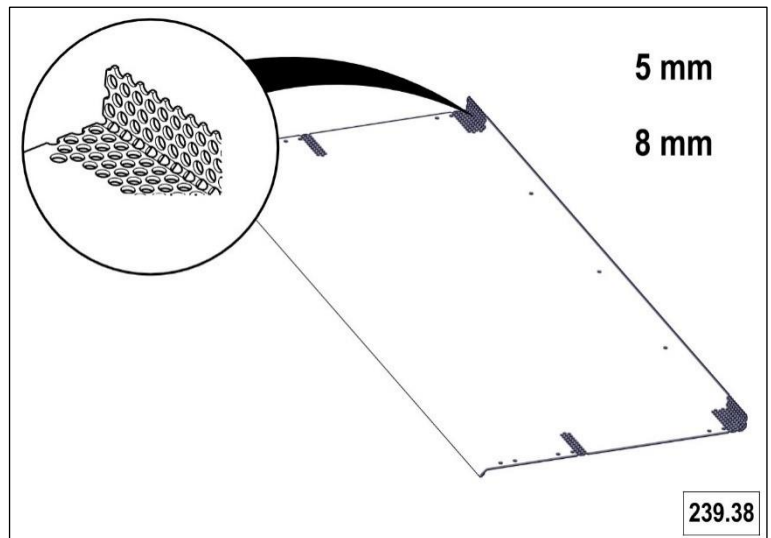
14.1. Scope of Delivery

Terra Clean with ground drive
Riddle screen hoe 6 mm
50 litre collecting tray
Operating instructions, transfer declaration with guarantee card

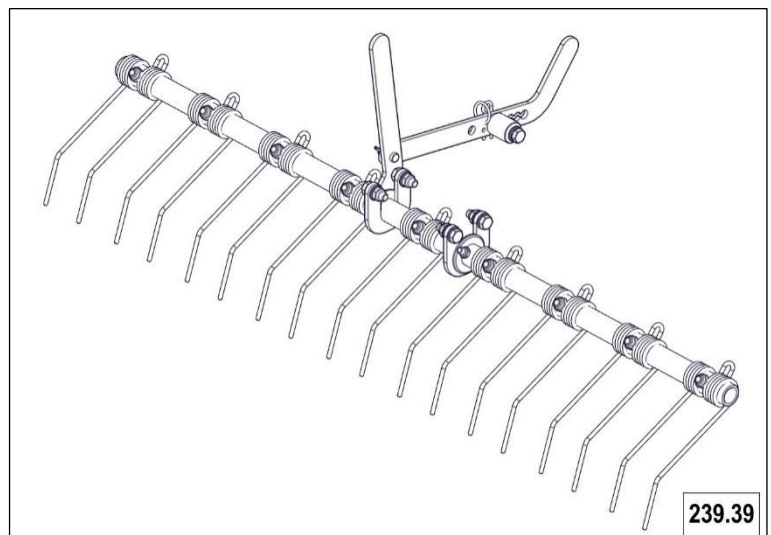
14.2. Additional equipment

14.2.1 Riddle screens

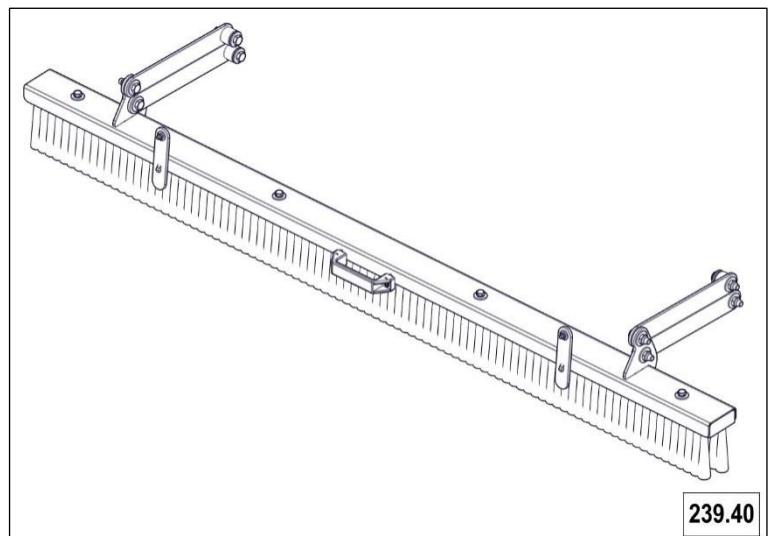
- Riddle screen with 5 mm holes
- Riddle screen with 8 mm holes



14.2.2 Harrow



14.2.3 Rear brush



15. EC Declaration of conformity



EC DECLARATION OF CONFORMITY

We

**Wiedenmann GmbH
Am Bahnhof
89192 Rammingen**

declare under our sole responsibility that the product

Synthetic Turf Maintenance Machine Terra Clean 100

to which this declaration refers, corresponds with the relevant basic safety and health requirements of the machinery directive 2006/42/EC.



Rammingen, the 27.09.2013	Horst Wiedenmann
(Place and date of issue)	Managing Partner
	(Name, function and signature of authorized person)



Rammingen, den 05.10.2020	Winfried Eckle
(Place and date of issue)	Technical office manager Authorised representative for tech. documentation
	(Name, function and signature of authorized person)

NOTE: The declaration of conformity is no longer valid if changes are made to the machine that have not been agreed with the manufacturer.

16. Declaration of conformity



Declaration of conformity

We

**Wiedenmann GmbH
Am Bahnhof
89192 Rammingen**

hereby declare that the product

Synthetic Turf Maintenance Machine Terra Clean 100

referred to by this declaration complies with the requirements of
Machinery Directive 2006/42/EC.



Rammingen, den 05.10.2020	Oliver Matthes
(Place and date of issue)	Sales Manager
	(Name, function and signature of authorized person)



Rammingen, den 05.10.2020	Markus Remmele
(Place and date of issue)	Operations Manager
	(Name, function and signature of authorized person)