

Translation of original Operating Instruction

EN

Lawn Mower

Flex Cut RMR 230 H



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🛕 II

IMPORTANT!

- > 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

Тур	Year	Machine no.
Flex Cut RMR 230 H		

1.2 Contact details of your dealer			



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.

The machine is built exclusively for commercial use in standard applications for maintaining parks and green spaces by cutting or mulching grass. See Section 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, your dealer carried out an inspection to guarantee optimum functioning of the machine.

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 metric units. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

Write product identification numbers (P.I.N.) in the "Technical specifications" section. Record all the numbers accurately. These numbers help to trace the machine should it be stolen. Your dealer also needs these numbers when you order spare parts. File the identification numbers in a secure place off the machine.



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2. To this document

2.1 Validity

This document applies to machines of the type:

Flex Cut RMR 230 H

All information, figures and technical specifications were the latest available at the time this document was published. Design specifications are subject to change 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 Wiedenmann homepage. www.wiedenmann.com

2.3 Applicable documents

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

- Operating manual tractor
- Operating instructions PTO shaft

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 "Lawn mower" 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
А	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



DANGER!

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.



WARNING!

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.



⚠ CAUTION!

The signal word **CAUTION** warns of a dangerous situation that could lead to minor or moderate injuries if the warning message is not observed.



ATTENTION!

The signal word **ATTENTION** warns of a dangerous situation that could lead to property and material damage if the warning message is not observed.



NOTE!

The signal word **NOTE** in connection with a mandatory sign specifies corresponding protective measures that prevent health risks.



INFO!

> The signal word **INFO** in connection with the symbol provides information and tips on how to use the machine.



3. Safety notes

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

The machine is built exclusively for commercial use in standard applications for maintaining parks and green spaces by cutting or mulching grass.

Any use that goes beyond this is NOT considered "intended use", and the manufacturer will not be liable for any damage resulting from this. All risks in this regard are borne exclusively by the user. Intended use also includes compliance with the operating, maintenance and servicing conditions prescribed by the manufacturer.

3.4 Predictable misuse

The attached device must not be used for transporting persons or objects.

This machine may only be used, maintained and serviced by persons that are familiar with this work and have been instructed about the hazards/dangers. The relevant accident prevention regulations. as well as other generally recognised rules of safety, occupational healthcare and road traffic law are all to be observed. Any and all unauthorized changes made to this machine exclude all liability on the part of the manufacturer for damage resulting from this.



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

- Observe the generally applicable safety and accident prevention regulations as well as the notes in these operating instructions!
- Familiarize 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.
- Always observe local road traffic regulations when using public roads.
- When driving outside of the working area shut off the lawn mower and put it into the transport position.
- Check the immediate surroundings before driving (children!)!
- Keep all persons clear of the danger zone of the machine!
- Only attach the machine when the engine is at a standstill and the P.T.O. drive is switched off.
- Only use the cardan shaft allocated to the machine.
- Special care should be taken when working and turning on a slope.
- 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.
- Before mowing remove any foreign objects from the lawn. When mowing look out for foreign objects.
- In case of blockages occurring switch off the mower, secure it and clean it using an appropriate device (wooden stick).
- In case of disturbances (vibrations) or when ramming an obstacle, switch off the mowing drive, shut off the engine (withdraw the ignition key or the spark plug connector) and check the machine, especially the cutting tools, for damages.
- Damaged blades have to be replaced.
- When working on the cutting tools take safety measures for preventing injuries (e.g. gloves).
- Blunt blades should be resharpened and balanced by a specialist. Periodical checks are required.
- Switch the machine and the motor of the tractor off and remove the ignition key before carrying out maintenance.
- Use your personal protective equipment (PPE) for work, such as:
 - Work gloves;
 - Safety shoes;
 - Breathing protection;
 - Ear protectors;
 - Face and eye protection, etc.



- 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 6 "Attaching to a tractor".
- The cardan shaft operating instructions
- 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 7 "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
- Cardan shaft

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.

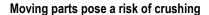
- Make sure there are no persons in the danger area before switching on drives and the engine.
- Should any persons enter the area reserved as safety clearance, shut down the drives immediately
- Stop the machine if currently manoeuvring.
- Prior to performing in the machine's danger area, shut down 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 6 "Attaching to a tractor".
- The cardan shaft operating instructions



Danger zone PTO shaft

Persons can get caught up on, drawn in and seriously injured by the cardan shaft.

- Observe the cardan shaft operating instructions.
- Maintain a sufficient overlap of the profile pipe and cardan shaft guard.
- Ensure that the cardan shaft guards are fitted and working as they should.
- Allow the cardan shaft fastenings to snap into position correctly.
- Prevent the cardan shaft guards from being dragged along by hooking up the chains.
- Ensure that there are no persons in the danger area of the p.t.o. shaft or cardan shaft.
- Ensure that the selected speed and direction of rotation of the tractor's p.t.o shaft match the permitted speed and direction of rotation of the machine.
- If the angle between the cardan shaft and p.t.o. shaft is too great, shut down the p.t.o. shaft. The machine can be damaged. Parts can be thrown out and cause personal injuries.



- Never reach into the crush-risk area when parts are moving or could move there.
- Observe the information provided in all relevant operating instructions:
 - The tractor operating instructions
 - The device operating instructions, see Section 6 "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.

Hazardous Area of Slingshots

When the machine is switched on, no persons may remain in the danger area.

There is a risk of injury due to objects being thrown out or flying around.





Danger area when the drive is switched on

There is a danger to life due to moving machine parts when the drive is switched on. No persons may remain in the machine's danger area.

- Before starting the machine, direct all persons out of the machine's danger area.
- > If a dangerous situation occurs, shut down the drives immediately and direct all persons out of the danger area.

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

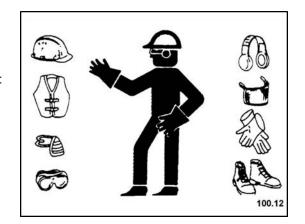
Wearing personal protective equipment is an important safety measure. Missing or unsuitable protective equipment increases the risk of health issues and personal injuries.

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.



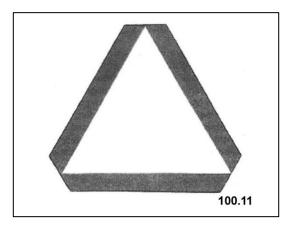


3.6.11 Road safety

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!

- 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".

Environmental protection and disposal

Operating materials such as hydraulic oil or gearbox oil can have harmful consequences for human health and the environment.

- Do not allow the operating materials to escape into the environment.
- Pour the operating materials into a liquid-tight container specially labelled for this purpose and dispose of them in line with official regulations.
- Soak up expired operating materials using absorbent material, pour them into a liquid-tight container specially labelled for this purpose and dispose of them in line with official regulations.

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.





Liquids under high pressure

The following liquids are highly pressurized:

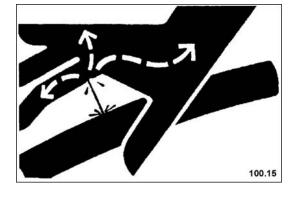
Hydraulic oil

High-pressure fluids which leak under pressure can penetrate the skin causing serious injury.

- If you suspect that a pressure system may be damaged, shut down and secure the machine immediately and then contact a qualified specialist workshop.
- Never attempt to trace the source of leaks with your bare hands. Even just a pin hole can cause serious personal injuries.
- Use suitable materials when searching for leaks. (for example, a piece of cardboard)
- Keep your body and face well away from leaks.
- If a fluid penetrates the skin, it must be removed immediately by a doctor who is familiar with such injuries. Otherwise serious infections may result.
- Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.
- Prior to recommissioning, check the leak-tightness of the hydraulic system!

Avoid heating near pressurized fluid lines

- Do not cause heating near pressurized fluid lines by welding, soldering or using a torch.
 - Pressurized fluid lines can be cut through accidentally if heat develops outside the immediate area of flame. In addition, heating near pressurized fluid lines can cause highly flammable mists to develop. If these mists ignite they can cause serious burns.





3.6.16 Hazards when performing certain tasks at the machine

Work only on stopped machine

If the machine has not been shut down and secured, parts can move unintentionally or the machine can begin to move.



Maintenance and repair work

Improper servicing and repair work jeopardises 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.

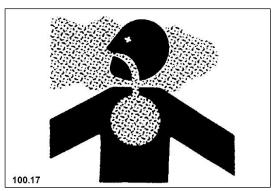
- Do not stand or remain below the raised machine or raised machine parts that do not have proper supports, see Section 3.7.1 "Shutting down and securing the machine".
- Prior to performing any work below a raised machine or raised machine parts, secure the respective machine or machine parts and prevent 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.
- 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!

Risk of injury due to movements of the machine or machine parts!

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!

Risk of injury due to the machine or machine parts descending!

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)



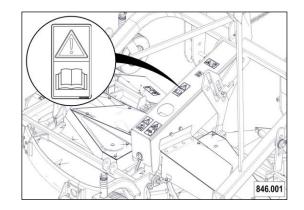


3.8.1 Position and meaning of the safety stickers

Operating Instructions

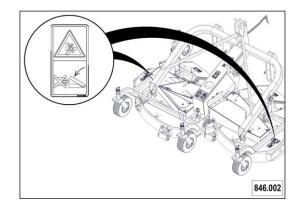
These operating instructions contain all important information necessary for safe machine operation.

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



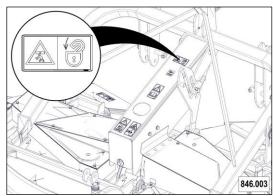
Attachment frame

Never reach into areas of crushing hazard as long as any parts may move.



Mower fuse

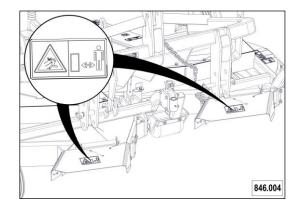
Never stand int the vicinity of the raised lawn mower before the equipment has been secured with the safety locking system.



Thrown-up stones

Danger of injury through thrown-up objects.

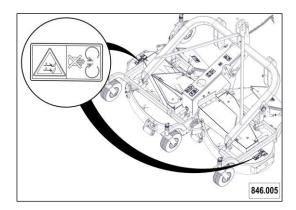
Keep a good distance when the engine is running.





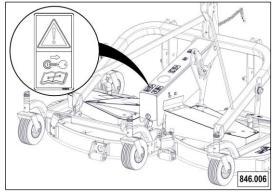
Cutting equipment

➤ When the engine is running, keep a good distance from the mowing knife.



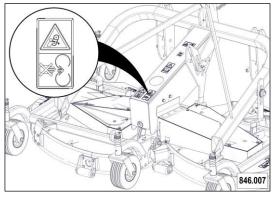
Maintenance

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



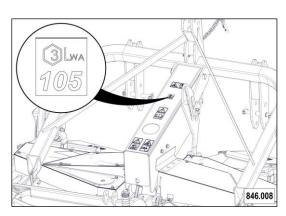
V-belt

Do not open or remove protective shields when the engine is running.



Noise level

This decal proves compliance with the EU specification 2000/14/EEC.





3.8.2 Safety devices

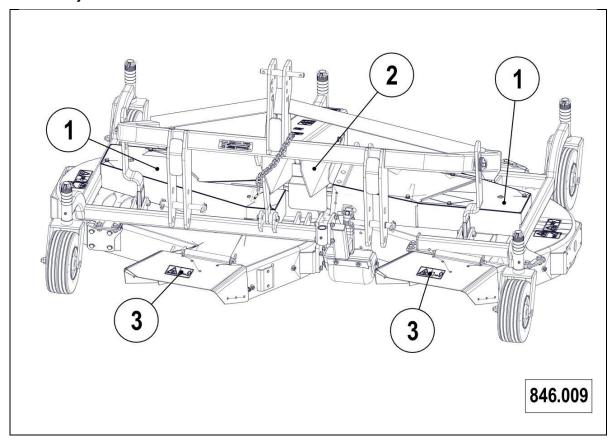


⚠ DANGER!

Risk of injury due to missing safety devices!

> Never operate the machine without safety devices!

Position of safety devices



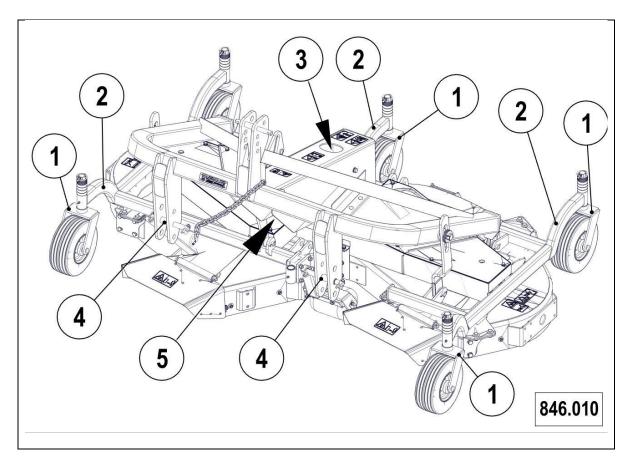
1	V-belt protective shields
2	Protective cap for cardan shaft connection (requires a tool for release)

3	Rear discharge protective covers
4	



4 Machine description

4.1 Machine overview



1	Wheel fork
2	V-belt protective shields
3	Gearbox

4	Triangular coupling
5	Cardan shaft connection

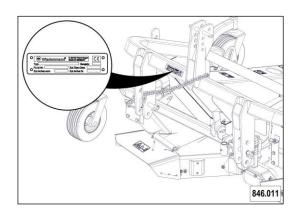
4.2 Nameplate



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".

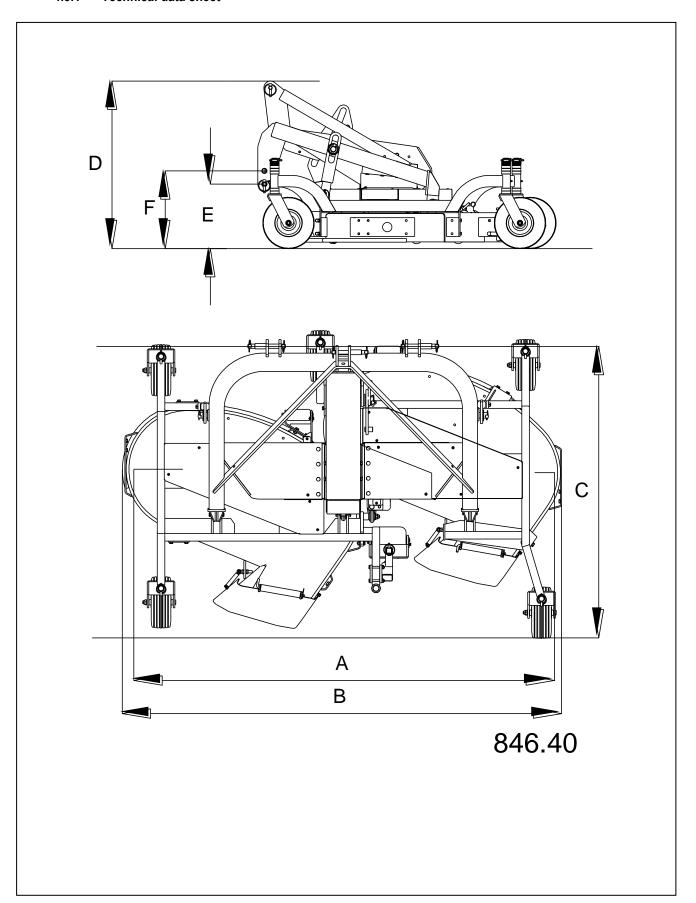
Enter the vehicle identification number, the machine type and the year of manufacture on the front cover page of these operating instructions.

4.3 Technical specifications

Тур	Illustration –No.		RMR 230 H
Working width	A	mm	2300
Machine width	В	mm	2350
Device length from bottom connecting rod connection	С	mm	1560
Machine height	D	mm	590
Min. height up to bottom connecting rod connection	E	mm	245
Max. height up to bottom connecting rod connection	F	mm	315
Number of mowing blades		Piece	4
Length of blades		mm	628
Min. cutting height		mm	30
Max. cutting height		mm	108
Speed of the driving motor	right	1/min	540
Speed of the driving motor	right / left	1/min	1000
Min. power required for tractor		kW (PS)	26 (35)
Running gear – pneumatic tyres		Piece	5
Wheel			11 x 4.00-5
Tyre pressure		bar	2,0
Three-point frame attachment cat. 1			Х
Weight without mulching device		kg	460
Weight with mulching device		kg	480
Max. noise level		dB A	108



4.3.1 Technical data sheet





4.3.2 Torques for metric screws

Class and markings of the screw heads	4.8	8.8	9.8	10.9	12.0	129
Class and markings of the nuts)(O)		(2) (2)	(0)

		Clas	s 4.8		(Class 8.8	oder 9.8			Class	10.9			Class	12.9	
Size	Lubric	ated *	Dry	**	Lubrica	ated *	Dry	/ **	Lubric	ated *	Dry	· **	Lubric	ated *	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.

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

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.

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



4.4 Operating materials

Designation	Capacity	Specifications
Gear lubricant oil	11	SAE 90 GL5 EP
Lubricating greases (Blade bearing)	ca. 0,3 I	Lithium soap NLGI 2 Temperature range -30 to 140 °C

5 Transport

5.1 Safety instructions for transport

The machine is delivered secured on a transport frame.



DANGER!

Danger to life due to falling load!

- 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.



Risk of injury due to the ends of the tensioning straps "jumping up"!

> Caution must be exercised when cutting through the securing straps.

5.2 Transport of the machine

5.2.1 Transport using a forklift

If the machine is still secured on the transport frame:

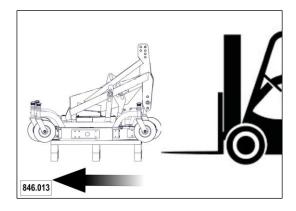
- Insert the forks under the transport frame (pay attention to the direction of approach),
- > carefully lift the transport frame,



A CAUTION!

Tilting load!

- When raising the shipping container. pay attention to the load's centre of gravity!
- Unload the machine from the transport device.
- > Remove all securing components.





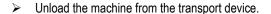
5.2.2 Transport using a crane

Attach ropes or carrying loop to the upper guide bar connection (1) and to the point of articulation (2) of the main frame.



INFO!

 Select length of the ropes or carrying loop so that the machine is suspended horizontally when unloading.





ATTENTION!

Transportation damage!

Transport damage and missing parts must be immediately communicated in writing to the transport company and to Wiedenmann GmbH or the delivery company.



Raise the machine with the tractor front hydraulic system and secure against inadvertent lowering.



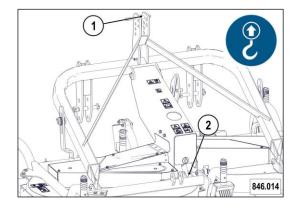
CAUTION

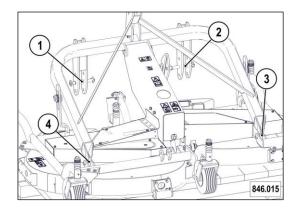
Swivel range!

When driving on public roads, please observe the swivel range of the attached machine.

5.2.4 Lashing the machine during transport

- Attach tie-down straps to the lower guide bar connections (1 and 2) and to the outer points of articulation of the main frame (3 and 4).
- Tighten tie-down straps evenly, alternating diagonally across.







6 Attaching to a tractor

6.1 Safety instructions for attachment to the tractor



⚠ DANGER!

Danger due to rotating p.t.o. shaft!

- Only attach the machine when the engine is at a standstill and the P.T.O. drive is switched off.
- Observe the warning and information signs on the machine!



⚠ WARNING!

Danger of tilting!

Only connect on firm and even ground!



⚠ WARNING!

Failure to wear personal protective equipment poses a risk of injury.

Wear personal protective equipment.
See Section 3.6.10 "Personal protective equipment".



⚠ CAUTION!

Impairment of the tractor's driving characteristics!

- 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)!



6.2 Attachment with three-point frame

The three-point frame is equipped with connection components for categories I and II as standard.

Category I:

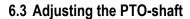
Attach the lower guide bars by inserting the pin (1) into the three-point frame and securing it.

Category II:

Attach the lower guide bars by inserting the pin (2) into the three-point frame and securing it.

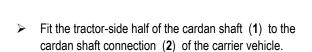
Upper guide bar:

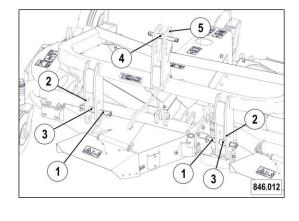
- Attach the upper guide bar by inserting the pin (3) into the correct hole in the three-point frame and securing it
- Attach the cardan shaft.
- Raise the lawn mower using the front hydraulics.

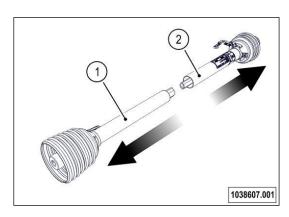


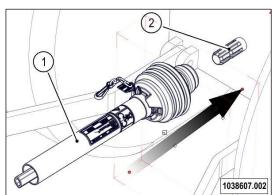
To be able to adapt the cardan shaft, the attachment must be fitted to the carrier vehicle.

> Pull the halves of the cardan shaft (1) and (2) apart.









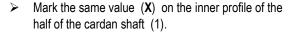


- ➤ Hold both halves of the cardan shaft (1 + 2) next to each other in the shortest operating position in relation to the attached equipment.
- Mark an intersecting line (3) on the outer profile of the half of the cardan shaft (1).



INFO!

- The calculated length (X) of the cut outer profile is required for cropping the inner profile.
- Crop the outer profile of the half of the cardan shaft (1) at the intersecting line (3).



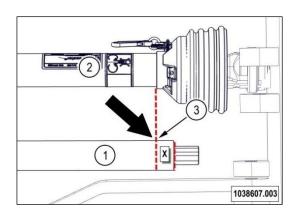
- Crop the inner profile of the half of the cardan shaft (1) at the new intersecting line (3).
- > Deburr and round off all separating edges.
- Clean both halves of the cardan shaft carefully.
- > Grease both halves of the cardan shaft carefully.
- > Assemble and install the cardan shafts.

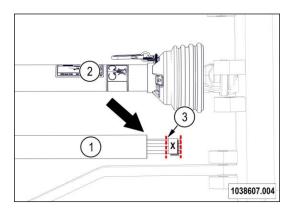
6.4 Setting the lean mower

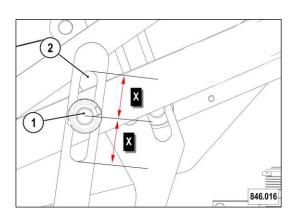
- Place tractor with lawn mower on a flat surface.
- Using the tractor hydraulic system, lower the lawn mower to the ground.

The adjustment is made with the top connecting rod.

- Turn the top connecting rod until the pin (1) in the middle of the elongated hole (2) is at the limiting bars.
- ☑ This setting allows the lawn mower to adapt to ground irregularities.









7 Before initial operation

7.1 General information before startup

- Check whether all connection parts necessary for complete delivery are there.
- Observe the technical data when connecting to other tractor types.
- Compare the revolution speed and direction of rotation (sticker on the machine) to the specifications of your tractor.
 - The sticker states which revolution speed and direction of rotation the machine is set to.
- Lubricate the cardan shaft (see cardan shaft operating instructions)
- Observe the warning and information signs on the machine!
- Lift the mower deck with the control valve lever.

7.2 Settings on the machine

7.2.1 Adjustment of cutting height

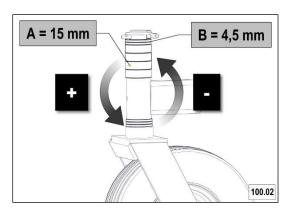


DANGER!

Danger due to rotating p.t.o. shaft!

- Only adjust the cutting height when the P.T.O shaft is switched off!
- Adjust the cutting height by setting the support wheels higher or lower on a even surface.
- Select the corresponding spacer rings to fit the support wheels to the wheel holders on the mower housing and secure with a linchpin.

Spacer rings	Cutting hight [mm]
without	30,5 mm
1 x B	35
2 x B	39,5
3 x B	44
4 x B	48,5
1 x A	50
5 x B	53
1 x A + 1 x B	54,5





7.3 Observe sequence when starting the machine

- Set the accelerator to third or half throttle and then switch on the mower unit, in order to prevent damaging of the PTO coupling.
- When moving always operate the engine at full throttle, in order to achieve the best engine performance and cutting resuluts.
- Before switching off throttle down.
- For switching on and off see the operating instructions of the tractor.

7.4 Information for operation

7.4.1 Instructions for mowing

- Mow only dry grass..
 - Wet grass can lead to the mower unit or the suction device getting blocked and also to grass clods being left behind.
- Before mowing remove any foreign objects from the lawn.
- When moving look out for foreign objects.
- If the mower unit is turning up the ground permanently, the cutting height may be too low for these ground conditions (lawn area with numerous small hills).
- Across hills and trenches drive slowly and keep a straight direction.

7.4.2 Instructions for mulching

- Mulch only dry grass and leaves.
- Lower your driving speed, since mulching requires more engine power.
- Cut off max 1/3 of grass height.
- Cut more often to avoid too much grass and leaves staying within the mower deck.
- Mulching with wet or humid grass and leaves can lead to various problems.
- Grass and leaves can collect at the bottom side of the mower unit.
- Grass and leaves can form clods and thus not being spread evenly.
- Grass and leaves will not be cut to small pieces.
- Change the mowing direction with each mowing operation.
- Work only with sharp blades. Check frequently. Blunt blades tear off the leaf of grass with the spires becoming brown.
- Keep the bottom side of the mower unit clean.
- Clean the mower after every operation.



8 Operation

8.1 General information on operation



A CAUTION!

Unsecured mower during transport!

Raise the lawn mower during transport to the place of use and secure against inadvertent lowering.
 (Block the lifting hydraulics)

8.1.1 Before mowing work

- Release the transport lock.
- Lower the mower using the front power lift.
- After lowering lock the power lift lever in the floating position in this position the mower can adapt to rough grounds.
- Set the engine to full throttle and the turn on the front PTO shaft.
- The working speed should be selected according to the operating conditions.
- In case of very high or wet grass it is recommended to start with pre-cutting and then to rework with a low blade position, or to vertically lift the mower on the two front support wheels be two distance rings (30 mm) before mowing.
- Also, the tractor should be turned around only on the area which has already been worked.

8.1.2 After mowing work

- Clean the mower unit.
- Maintain the mower unit.
- Check blades for damages and a tight seat.

8.2 Mowing high grass

8.2.1 Method 1

- Mow grass twice.
- Adjust the cutting height of the mower unit such a position that the high grass is cut to the half height.
- For the second mowing operation adjust the mower unit to the desired height.

8.2.2 Method 2

- At a slow driving speed mow the full width to the desired height, or
- only mow the half width to the desired height.



9 Detaching from the tractor

9.1 Safety instructions for dismantling the tractor



⚠ DANGER!

Risk of injury due to the machine rolling away!

➤ 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"



DANGER!

Risk of injury from rotating p.t.o. shaft!

- Only detach the machine when the engine is at a standstill and the P.T.O. drive is switched off!
- Observe the warning and information signs on the machine!



⚠ WARNING!

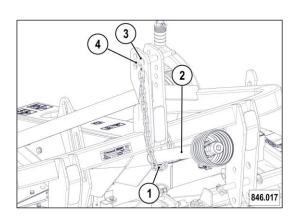
Failure to wear personal protective equipment poses a risk of injury.

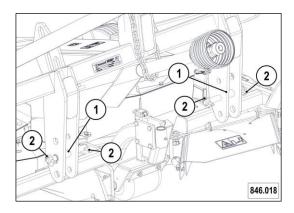
Wear personal protective equipment. See Section 3.6.10 "Personal protective equipment".

9.2 Remove the machine from the tractor

9.2.1 Removal with three-point frame

- > Carefully switch off the machine with the front hydraulics.
- Guide the supporting chain (1) around the cardan shaft (2) in order to attach the carabiner (3) to the bolt (4) of the upper guide bar.
- Remove the cardan shaft (2) from the tractor and place into the supporting chain (1).
- De-tension the upper guide bar and release from the machine.
- Release the lower guide bar from the three-point frame (1) and reinsert the linch pins into the bolt (2).







10 Maintenance

10.1 General instructions for maintenance



DANGER!

Risk of accident due to improper maintenance

Maintenance, repair and dismantling work must only be carried out by qualified professionals.



A DANGER!

An unsecured tractor poses a risk of injury.

- 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 from rotating machine parts!

Prior to performing any servicing, maintenance or cleaning work, shut down the engine and remove the ignition key!



♠ WARNING!

Incorrect servicing/maintenance!

- Welding of bearing parts of the vehicle may only be carried out according to the accepted rules of welding technology!
- Replace damaged tools!



↑ WARNING!

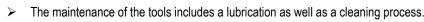
Failure to wear personal protective equipment poses a risk of injury.

Wear personal protective equipment. See Section 3.6.10 "Personal protective equipment".



ATTENTION!

Lawn mower malfunction!



- After finishing the mowing operation the machine should be washed out and checked thoroughly.
- > Blunt blades should be resharpened and balanced by a specialist. Periodical checks are required.
- Damaged blades have to be replaced!





ATTENTION!

Only original parts should be used!

Parts from other manufacturers are often not of sufficient quality and so endanger your safety.

In addition, the warranty and claims against warranty can only be guaranteed if only **original parts by Wiedenmann** were used. We explicitly inform you that parts not delivered by Wiedenmann are not tested or released by Wiedenmann. 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

10.2 Maintenance tables

10.2.1 Maintenance table (staggered in time)

Maintenance interval	Maintenance measure	Area
Every 8 hours	 Clean Clean the machine after finishing work in order to ensure a proper operation during the next application. 	Mower unit
After the first 50 hours	Change gear lubricant oil see chapter 10.5.1	Gearbox
Every 50 hours	➤ Lubricate see chapter 10.3.4	Cardan shaft
	> Lubricate see chapter 10.3.5	Support wheels
	Check oil level see manufacturer's manual for tractor	Hydraulic system of the tractor
Every 250 hours	Lubricate see chapter 10.3.3	Belt idler lever
	Check see chapter 10.6.1	Driving V-belt
	Lubricate see chapter 10.3.2	Blade bearing



Maintenance interval	Maintenance measure	Area
Every 500 hours	Change gear lubricant oil see chapter 10.5.1	Gearbox
	Sharpen mowing blades. See Info!	Mowing blades
	Clean the mower thoroughly at the end of each mowing season and conserve it using spray oil.	Mower unit
	Before starting a new task, check all the areas that were previously worked on.	



INFO!

From machine ID no. 846 KD 1001, the machines are supplied with DURA BLADE blades as standard. In accordance with the manufacturer's information, these blades must NOT be ground on the rear side, as too much heat gets into the coating of the blade edge due to grinding, and there is consequently an increased risk of breakage.

10.3 Lubricating points

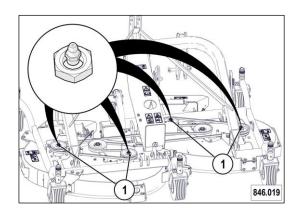
10.3.1 Lubricating greases

Designation	Capacity	Specifications
Lubricating greases (Blade bearing)	ca. 0,3 l	Lithium soap NLGI 2 Temperature range -30 to 140 °C

10.3.2 Blade bearing

Every 250 hours:

➤ Lubricate the lubrication nipples (1–3) on the top of the blade bearings.

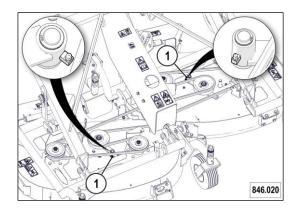




10.3.3 Belt idler lever

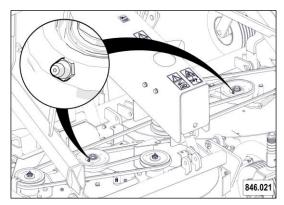
Every 250 hours:

- > Detach all protection cap on the right side.
- Lubricate the lubrication nipple (1) on the tensioning roller lever.



10.3.4 Tensioning roller

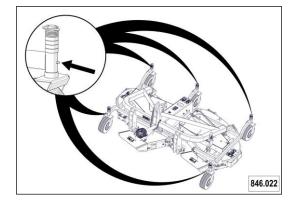
- > Remove protective covering on both sides.
- Lubricate the lubrication nipple (1) on the tensioning rollers.



10.3.5 Support wheels

Every 50 hours:

Lubricate the lubricating nipple (1) on the support wheel bearings.



10.4 Lifting out the mower (placing in an upright position)



GEFAHR!

Risk of accident due to improper maintenance

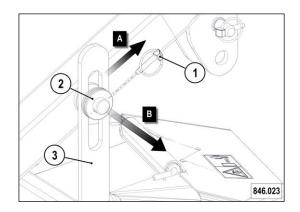
- The mower can be lifted out (placed in an upright position) for maintenance, repair and cleaning purposes only.
- Lower the lawn mower to the ground.
- > Remove the cardan shaft.
- Release the upper guide bar on the lawn mower.



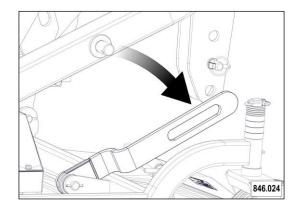
10.4.1 Unhooking boundary struts

On both sides:

- > Pull out linch pin (1).
- Remove discs (2) in order to release the boundary struts (3).

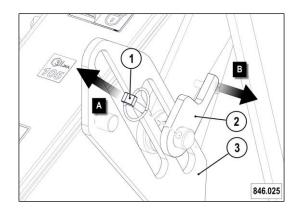


- Unhook boundary struts (1) on both sides of the frame.
- Lift the frame using tractor hydraulics.

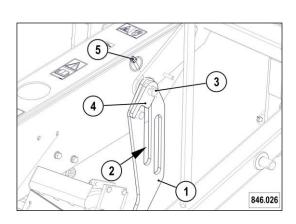


10.4.2 Adjusting limit plate

- Pull out linch pin (1).
- Remove the security latch (2) in order to unlock the limit plate (3).



- Place the limit plate (1) with the rear slotted hole (2) on the bolt (3).
- Raise the mower frame to the top position in the slotted hole (2).
- Place the security latch (4) rotated by 180° on the bolt
 (3) and secure with a linch pin (5).
- Now maintenance, repair and cleaning work can be carried out in the lower area of the lawn mower.

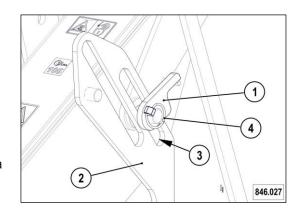




10.4.3 Swinging mower back to working position

After work has finished, the lawn mower must be set up for deployment as follows

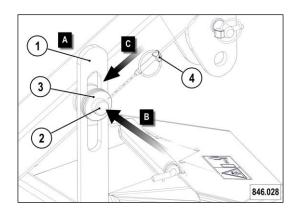
- Before the frame is lowered, all protective equipment must be reinstalled.
- Remove the security latch (1).
- ➤ Lower the frame until the limit plate (2) can be inserted in the front slotted hole (3).
- Secure the security latch (1) and limit plate (2) with a linch pin (4).



10.4.4 Attaching boundary struts

On both sides:

- > Attach boundary struts (1) to the bolt (2).
- Fit discs (3) on the bolt (2) and secure with the linch pin (4).
- > Fit the cardan shaft.

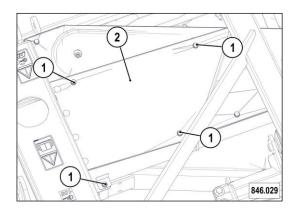


10.5 Gearbox

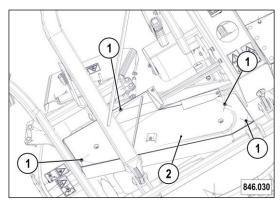
10.5.1 Change of gear lubricant oil

Removing right mower covers

Undo four hexagon screws (1) and remove the top cover (2).



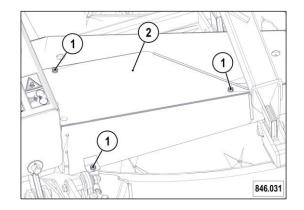
Undo four hexagon screws (1) and remove the bottom cover (2).



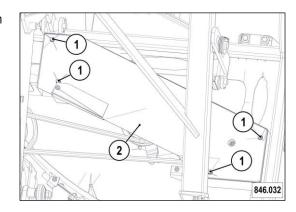


Removing left mower cover

Undo three hexagon screws (1) and remove the top cover (2).

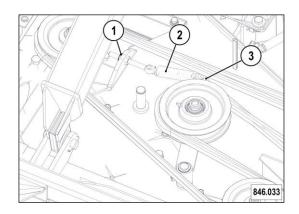


Undo four hexagon screws (1) and remove the bottom cover (2).



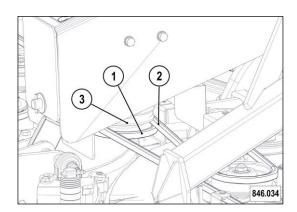
De-tensioning tension roller lever tension spring

Undo hexagon nuts (1) on both sides in order to detension the respective tension spring (2) of the tension roller lever (3).



Removing drive V-belts

Remove both drive V-belts (1 and 2) on the V-belt pulley (3) of the gearbox.



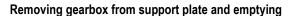


Removing gearbox support plate



Falling gearbox support plate!

- Before removing the gearbox support plate (1), secure with an appropriate lifting implement.
- Remove clamping sleeves (2) on both sides of the bottom bolt (3).
- Remove clamping sleeves (4) on both sides of the top bolt (5).
- Lift gearbox support plate (1) down from the machine with an appropriate lifting implement.



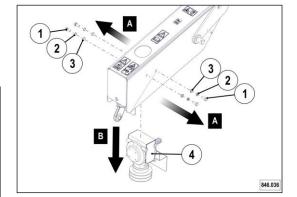
- Remove hexagon screws (1) with locking rings (2) and washers (3), and take out gearbox (4).
- > Remove screw plug on the top of the gearbox (4).



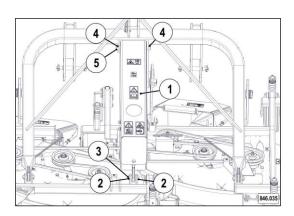
ATTENTION!

Incorrect disposal of environmentally hazardous substances!

- 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!



- Empty used oil into a container by rotating the gearbox.
- Install gearbox in the support plate (1).
- Lift gearbox support plate (1) onto the machine and fasten with the bolts (3 and 5).
- Secure each bolt (3 and 5) with the clamping sleeves (2 and 4).
- Fill with gearbox oil SAE 90 GLS EP through the opening of the gearbox.
 - Capacity: see 4.4 "Operating materials".
- > Screw in the screw plug (1) with the sealing ring.
- Insert and tension drive belt as in Section 10.6.
- After work has finished, set up the lawn mower for deployment as described in Section 10.4.3.





10.6 Drivin V-belt

10.6.1 Check driving V-belt

Every 250 hours:



DANGER!

Risk of accident due to improper maintenance

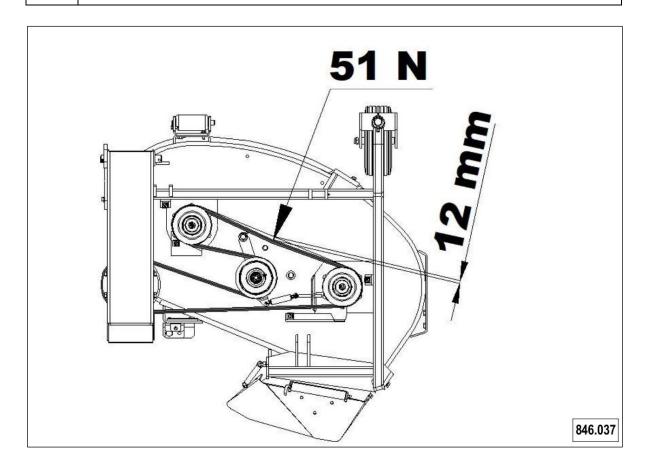
The mower can be lifted out (placed in an upright position) for maintenance, repair and cleaning purposes only.



⚠ CAUTION!

Risk of injury!

> Check V-belt only with the engine shut off and the PTO switched off.





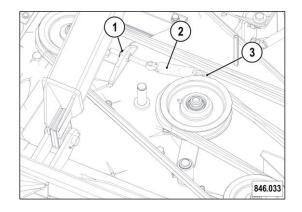
10.6.2 Re-strech driving V-belt



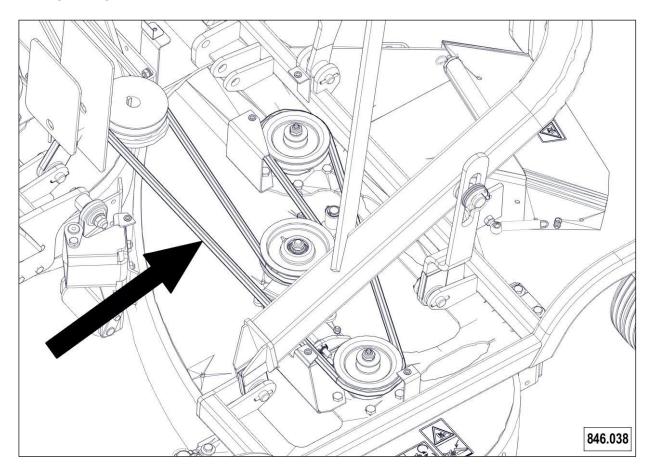
⚠ CAUTION!

Risk of injury!

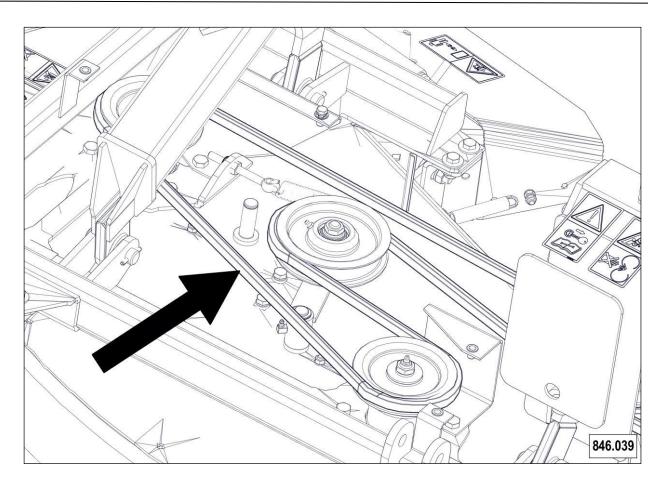
- Re-stretch V-belt only with the engine shut off and the PTO switched off.
- > Detach all protection cap on the right side.
- Tighten the nut (1) until the values specified in figure 842.18. have been reached. See section 10.6.1 "Check driving V-belt".



10.6.3 Driving V-belt guide







10.7 Moving blades

10.7.1 Steep-lifting for exchanging blades and cleaning



A DANGER!

Risk of injury from rotating blade!

- > The mower can be placed in an upright position for maintenance and cleaning purposes only.
- The mower can be placed in an upright position only when the engine is stopped and the PTO shaft is switched off.

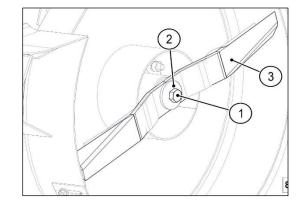


Risk of injury from cutting tool!

- When working on the cutting tools take safety measures for preventing injuries (e.g. gloves)!
- Lift the lawn mower.
- > Turn off the engine.
- Withdraw the ignition key.
- Apply the parking brake.
- Unrig the cardan shaft.



- Turn the lawn mower.
- Hold the mowing blade fast using a glove or a soft object (wood), so that it cannot rotate.
- > Release the screw (1).
- Remove the plate washer (2).
- Check the blades (3), and, if required, resharpen/balance or replace them. For this end the fitting position must be observed!
- Mount on the plate washer (2) and lock it into place.
- > Tighten screw (1) to 125 Nm.



10.8 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.

11 Disposal

11.1 Disassembly/disposal



ATTENTION!

Incorrect disassembly of machine parts!

- Please refer to the chapter "Safety measures" and local safety regulations!
- > The following hazards are:
 - heavy parts that could fall after disassembly
 - · sharp edges
 - crushing if machine topples
- Place the machine on firm ground.
- Drain the hydraulic oil and collect it in a suitable vessel.
- > Disassemble the machine from top to bottom.



ATTENTION!

Incorrect disposal of environmentally hazardous substances!

- 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!



12 Equipment

12.1 Scope of Delivery

RMR 230 H for drives		540 ¹/min right-handed
	or	1000 ¹ /min right-handed
	or	540 ¹/min left-handed
Attachment components		Triangular coupling
Cardan shaft		
Operating instructions, trasfer declaration with guarantee card.		

13 Special equipment

13.1 Mulching device

13.1.1 Prepare the mower unit for installing the mulching device



⚠ CAUTION!

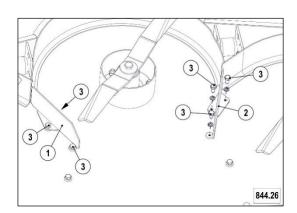
Risk of injury from cutting tool!

- ➤ When working on the cutting tools take safety measures for preventing injuries (e.g. gloves)!
- Only attach the equipment when the engine is stopped and the PTO shaft is switched off.
- ➤ Lift out the lawn mower to install the composting unit. See Section 10.4 "Lifting out the mower (placing in an upright position)".
- Undo fixing screws (1) to remove the baffle plates (2).
- > Reinstall fixing screws (1).
- > Remove all screws (3).
- Remove all fitted blades. See Section 10.7.1 "Steep-lifting for exchanging blades and cleaning".



INFO!

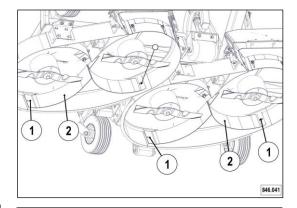
Store removed parts in a safe place for reuse.





13.1.2 Install the mulching device

Screw on each outer baffle plate (1) manually with an M8 x 20 mushroom head screw (2).

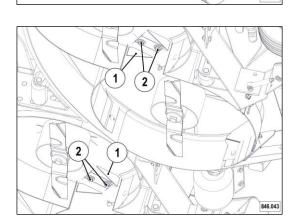




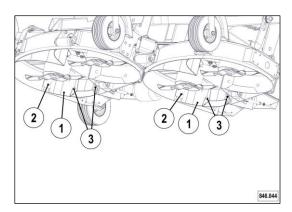
⚠ CAUTION!

Touching the drive parts by protruding thread

- The use of longer screws is prohibited.
- Tighten each baffle plate from above with three hexagon screws (1), washers and a lock washer.
- Screw each deflector bracket (1) in place with two M10 x 25 screws (2), two washers each and one lock washer each.
- Tighten all screw fittings firmly.



- ➤ In the area of the ejection channel, fasten the rear baffle plates (1) with a mushroom head screw (2) and two hexagon screws (3).
- > Tighten all screw fittings firmly.
- Install the blades supplied with the composting unit as in Section 10.7.1 "Steep-lifting for exchanging blades and cleaning".





13.2 Recycle Cut

13.2.1 Adjusting the Recycle Cut insert



INFO!

- The highest elevation of the guiding plates results in the lowest expenditure of energy and thus in the lowest mulching effect.
- The lowest elevation of the guiding plates results in the highest expenditure of energy and thus in the highest mulching effect.

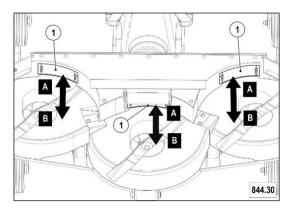
Adjust the Recycle Cut insert depending on the height and density of the grass:

With high / dens grass (A)

➤ With high / dense grass set the three guiding plates (1) to an upward position.

With short / light grass (B)

With short / light grass set the three guiding plates (1) to the bottom position.





14 EC Declaration of conformity



EC DECLARATION OF CONFORMITY

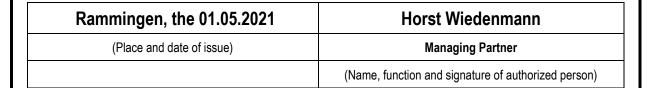
We

Wiedenmann GmbH Am Bahnhof 89192 Rammingen

declare under our sole responsibility that the product

Lawn Mower Flex Cut RMR 230 H

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



Rammingen, the 01.05.2021	Winfried Eckle
(Place and date of issue)	Technical office manager Authorised representative for tech. documentation

Toble

(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.



15 Declaration of conformity



Declaration of conformity

We

Wiedenmann GmbH Am Bahnhof 89192 Rammingen

hereby declare that the product

Lawn Mower Flex Cut RMR 230 H

Olive flatte

4. Lende

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

Rammingen, the 01.05.2021 Oliver Matthes

(Place and date of issue) Sales Manager

(Name, function and signature of authorized person)

Rammingen, the 01.05.2021	Markus Remmele
(Place and date of issue)	Operations Manager
	(Name, function and signature of authorized person)