



ARENA LEVeller PRO

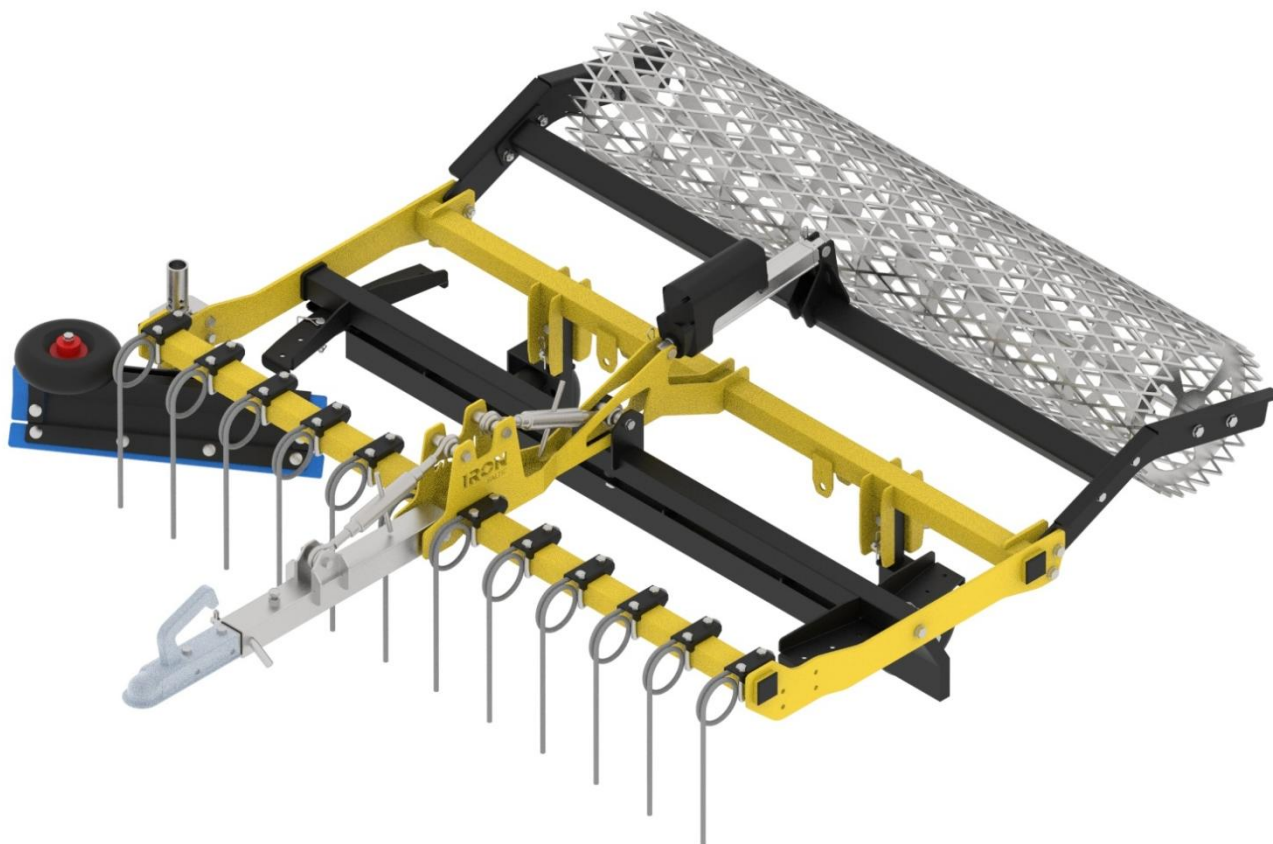
DOWNLOAD MULTILINGUAL
USER MANUAL



code.ironbaltic.com/u/eleegj4x

Code 88.2000

Version 13042026



Keep this manual for future reference!

If you need any spare parts, please send this packaging data to your local dealer or to Iron Baltic
sales@ironbaltic.com

CONTENTS

EC DECLARATION OF CONFORMITY	4
INTRODUCTION	5
SAFETY INSTRUCTIONS	6
TRAINING	6
PROHIBITED ACTIONS	6
MANDATORY ACTIONS	7
DEALING WITH EMERGENCIES	7
PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS	7
SAFETY LABELS	8
PRODUCT DESCRIPTION	9
USER GUIDE	9
OPERATOR INSTRUCTIONS	10
PREPARATION	10
PRE-USE INSPECTION	10
OPERATION	10
TOW COUPLING OPERATION	11
LIFTING OPERATION	12
TRANSPORTATION ON A TRAILER	12
ADJUSTMENT AND WORKING WITH ARENA LEVELLER	14
SIDE BLADE ADJUSTMENTS	14
MAIN BLADE ADJUSTMENTS	16
OTHER ADJUSTMENTS	17
TRANSPORT AND WORKING POSITION	18
MAINTENANCE	19
MAINTENANCE SCHEDULE	19
LUBRICATING	19
STORAGE	20
DISMOUNTING THE EQUIPMENT	20
STORAGE PROCESSES	20
STORAGE HAZARDS	20
UTILIZATION AND DISPOSAL	21
ARENA LEVELLER ASSEMBLING GUIDE	22
SPECIFICATION	28
SPARE PARTS	30

EC DECLARATION OF CONFORMITY

Manufactured by: Iron Baltic OÜ
Address: Joa tee 17, Vääna 76903
Product: **Arena leveller PRO**
Model: **88.2000**

Hereby we confirm that this product is in conformity with the requirements of Directive **2006/42/EC**, applicable to the safety and functionality of machinery, regarding the replaceable equipment and it is in compliance with the standard **EN12100** Safety of machinery – General principles for design – Risk assessment and risk reduction.

In witness whereof CE marking is attached to the product.

Place and date of issue of the declaration: 15.06.2021



.....
Tiit Norak
Member of the Board

INTRODUCTION

Thank you for choosing Iron Baltic product. This manual contains specifications for the Arena leveller Pro as well as instructions for product assembly, safe operation and maintenance. Unnecessary use of the Arena leveller Pro can result economic damage and personal injury, so it is very important that the person who is using the product read and use this manual in accordance with the requirements. Any misuse of the product will release the manufacturer from liability for any damage or expense incurred.

NOTE: Photos and drawings in this manual may not necessarily depict the actual models of Arena leveller Pro. They are merely given as a frame of reference and are based on the latest available information at the time of publication.



This symbol is used throughout the manual and on warning signs in order to warn users of the potential for serious injury. Before using the vehicle and arena leveller, carefully read the safety instructions and make sure that you have understood them. Follow all instructions and ensure that everyone who uses the equipment follows them!

Keep this manual for future reference.

Based on the specifications for your model, please check that you have received all of the parts for your particular set

SAFETY INSTRUCTIONS

Most accidents occur due to negligence or carelessness. Avoid accidents and follow the safety instructions given below.

The ATV together with the arena leveller hitched to it form a long working machine, which is not easy to manoeuvre; therefore, operating in small and narrow areas can be a complicated task.

TRAINING

- Read thoroughly the safety instructions and terms of use.
- Never allow children to operate the vehicle or the arena leveller.
- Never allow adult persons to operate the vehicle or the arena leveller if they have not received the proper training
- Neither the vehicle nor the arena leveller can be used while drunk or under the influence of drugs that affect perception and/or reaction.
- Do not allow bystanders, children or animals into the work zone.
- During operation of the arena leveller, only the operator may sit on the vehicle. Sitting/riding/standing on the parts of the leveller is not allowed. If the operator allows a child or adult to sit in their lap or on the machine during operation, there's a risk of them falling off and being run over by the vehicle/leveller.
- Operator must be aware of the surrounding environment. Smartphones or any other distracting equipment must not be used during work.
- When leaving from the vehicle remove ignition key or make sure the vehicle can not be started.
- When leaving from the vehicle always apply handbrake or make sure the vehicle can not move by it self.

PROHIBITED ACTIONS

- Never use the leveller before you have carefully read the entire user manual.
- Never use the arena leveller unless all protective parts are correctly installed.
- Never use the machine for purposes not meant for it.
- Never leave unattended children around the machinery. They may attempt to operate or start the vehicle, causing it to move unexpectedly. Controls/handlebars are foreign and they do not know how to stop the vehicle.
- Never let children play around machinery. They may play/climb on top of and around the vehicle/arena leveller and accidentally or deliberately push the buttons/levers that could start the vehicle.
- Never wear baggy/oversize clothing that might become entangled in the machine's moving parts.
- Never leave hair untied when handling machine. Always tie up any loose or long hair.
- Never touch any moving or rotating parts during the operation of the leveller.
- Never operate the arena leveller on overly steep slopes. This may cause sudden sinking or rollover of the vehicle.
- Never drive faster than 15km/h, or what the vehicle manufacturer recommends (the lower speed must be observed).
- Never use the arena leveller in the dark, unless you are using artificial lighting.
- Never carry any passenger on the arena leveller.
- It is forbidden to mount attachments to arena leveller that are not approved by the manufacturer.
- Never modify the accessories or any parts without the manufacturer's written approval.
- Never operate the machine under the influence of alcohol, medication, or other psychotropic substances that may affect perception or reactions.
- Never attach arena leveller to a vehicle that does not have factory-installed 50mm hitch ball.
- Never attach arena leveller to vehicle that has been fitted with a 50mm hitch ball without the manufacturer's written permission.
- Never attach arena leveller to vehicle which has other than 50mm hitch ball.
- Never ride the arena leveller on public roads.

MANDATORY ACTIONS

- Follow all the instructions of the ATV manufacturer.
- Always use proper protective equipment (helmet etc.) when using the vehicle.
- Make sure that bystanders are moved to a safe distance when operating the arena leveller.
- Make sure that all of the safety stickers are in good condition. Replace damaged stickers as required.
- Reduce the speed of the ATV when working on a hillside or uneven terrain.
- Be careful when braking.
- The safe road-steadiness of the vehicle must always be ensured by using the correct accessories for the task in hand (chains, counterbalances, etc).
- Always check that all components are properly installed.
- Check and tighten the bolts after the first working hour and then after every ten working hours.

DEALING WITH EMERGENCIES

- If an emergency occurs, immediately turn off the ATV's engine.
- Assess the situation. Quickly assess the situation and determine the nature, severity, and location of the hazard.
- If the situation requires professional assistance, contact emergency services immediately. Provide clear and precise information about the location, nature of the emergency, and any injuries or risks involved.
- Administer basic first aid if qualified. Do not attempt advanced medical procedures unless trained to do so.
- Record details of the emergency, including the cause, actions taken, and any damage or injuries. This information can be vital for future prevention and insurance claims.
- After the incident, review the response to identify any improvements in emergency procedures.

PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS

Personal protective equipment (PPE) is equipment worn to minimize exposure to hazards that cause serious workplace injuries and illnesses. This section provides an overview of the types of PPE necessary when operating an ATV with a arena leveller.

- 1) Head protection – operators must wear helmet that protects the head from impacts and shields the face from flying debris.
- 2) Eye protection – operators must ensure that the helmet visor provides adequate protection. Bystanders outside or near the danger zone must wear safety goggles or a full-face shield.
- 3) Hand protection – operators must wear work gloves which protects hands from cuts and abrasions while unpacking, working and adjusting arena leveller.
- 4) Foot protection – operators must wear steel-toe or reinforced boots with anti-slip soles. These boots shield feet from heavy objects, sharp debris, and potential impacts, while the anti-slip soles help prevent slipping on wet or uneven surfaces.
- 5) Body protection – operators must wear long-sleeved protective clothing. It should be durable and resistant to cuts and abrasions.



IF SOMETHING HAPPENS DURING THE WORK THAT COULD DAMAGE THE PRODUCT, AN INSPECTION OF THE DEVICE MUST BE CARRIED OUT TO IDENTIFY POSSIBLE DAMAGE. DAMAGE (CRACKS IN CONSTRUCTION OR WELDS, DEFORMED PARTS) CAN ENDANGER PROPERTY AND HUMAN HEALTH. THE DEVICE MUST NOT BE USED BEFORE THE DAMAGE IS REMOVED.



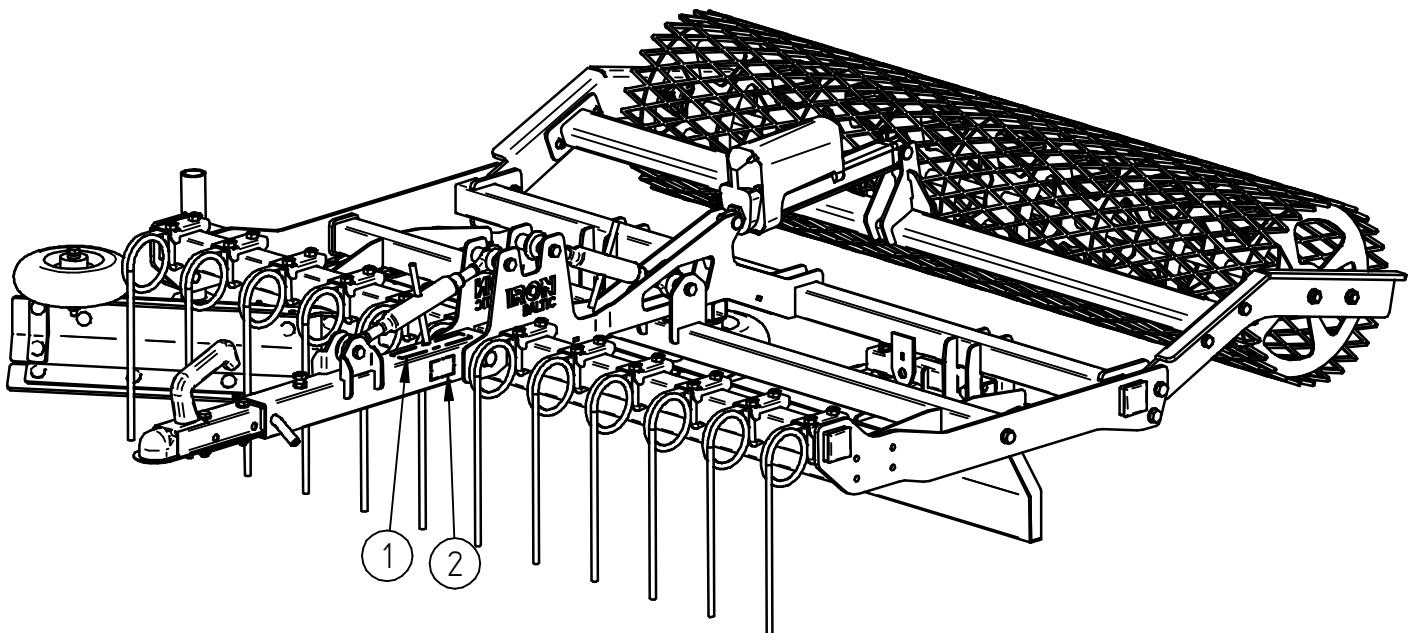
MAKE SURE THAT THE LEVELLER IS IN PERFECT WORKING CONDITION AND THAT THE TOWING COUPLING HEAD IS PROPERLY ATTACHED TO THE ATV HITCH BALL.

SAFETY LABELS

The safety labels shall be present on your arena leveller. If any of those labels is absent or gets damaged, contact your dealer in order to install new labels in place of the absent ones before operating the machine.

Meaning of safety labels

1		Maximum permitted speed 15 km/h!
		Never carry any passenger on the arena leveller!
		It is forbidden to drive slopes over 15°!
		Make sure that all bystanders are at safe distance while working! Risk of collision! Risk of flying debris.
		The risk of injury to hands! Due to the moving parts of the device, there is a risk of crushing and injuring hands!!
		Read the manual before use!
2		CE mark - conforms with all of the essential safety and functionality standards.



PRODUCT DESCRIPTION

The Iron Baltic arena leveller is a durable attachment that can be attached to the ATV or UTV. The arena leveller is designed for ATVs and UTVs but can be towed with any other vehicle equipped with a 50 mm hitch ball.

Standard equipment:

- Arena leveller
- Electric height adjuster

Product	Arena leveller Pro
Model	88.2000
Dimensions	1610/1823 x 2150 x 700 mm
Working width	1500mm (roller) / 1800mm (with side blade)
Weight	170 kg
Tires	2,5"-4"

Table 1: Arena leveller technical data

USER GUIDE

- Read the safety instructions before driving!
- Check tow coupling connection to the tow beam before ride.
- Before ride, check that all removable accessories are secured and locked.
- Before ride, check if the towing coupling is securely connected with tow ball (check the indicator on tow coupling)
- Before ride, check tire condition and pressure (the exact tire pressure is marked on the side of the tire). If needed change the tires. Use only tires specified by the arena leveller manufacturer.
- The highest speed when transporting is 15km/h, or what the vehicle manufacturer recommends (the lower speed must be observed).
- Before unhooking the arena leveller, arena leveller should be in transport position (see page 18)!

OPERATOR INSTRUCTIONS

Attention!

Ensure that the user manual for the vehicle (ATV) is thoroughly read before using the arena leveller!



PREPARATION

1. Examine the planned operating area carefully and remove all foreign objects.
2. Never use the accessory unless you are wearing proper clothing. Avoid loose clothing that might become entangled in moving parts. Wear appropriate footwear that helps to avoid slipping.
3. Never use the arena leveller unless the covers, plates or any other required safety equipment has been installed.
4. Always use the personal protective equipment (PPE) that has been designed for every type of product (goggles, hearing protection, mask, etc.).
5. The safe road-steadiness of the vehicle must always be ensured by using the appropriate accessories (chains, counterbalances, etc.).
6. Always make sure that every component has been correctly installed.
7. Never modify the accessories or any other parts without the written approval of the manufacturer.

PRE-USE INSPECTION

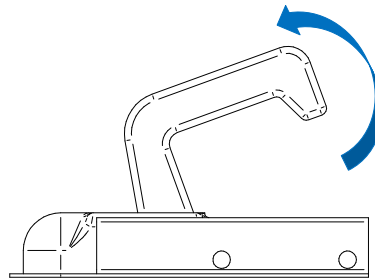
1. Review the ATV's owner's manual for any specific pre-use inspection guidelines.
2. Review the arena levellers's guidelines and recommendations for safe operation.
3. Inspect the overall condition of the ATV, including tires, brakes, and controls.
4. Verify that the tires are inflated to the correct pressure and free of any damage.
5. Check the lights and indicators to ensure they are working properly.
6. Check the engine oil level and fuel level, and refill as needed.
7. Inspect the fuel and oil lines for leaks or damage.
8. Examine the exhaust system for any leaks or damage.
9. Check the arena leveller attachment for any signs of damage or wear.
10. Ensure that all nuts, bolts, and fasteners are tightened properly.

OPERATION

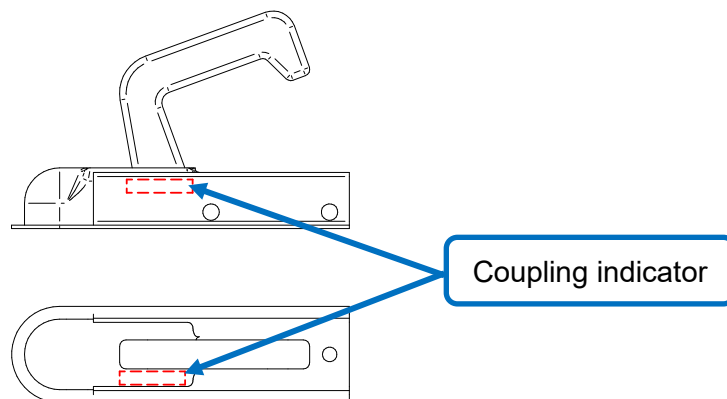
1. Before operation, a pre-use check must be carried out which describes that the machine must not be used if there is visible damage to the machine or vehicle.
2. Never place your hands or feet near, under, or in the rotating parts.
3. When leaving the vehicle, apply every safety measure possible. Set the gear to neutral/park, engage the parking brake, stop the ATV's engine, and remove the ignition key.
4. Never use the product when moving along, up or down a slope. Be extremely careful when moving with the equipment on slopes.
5. Keep bystanders away from the operating area to avoid injuring people or causing material damage.
6. People/operators who are outside or near the working area must use personal protective equipment (PPE).
7. Never use the equipment at high speeds on a slippery surface. Be careful when backing up.
8. Never give a ride to passengers while operating the arena leveller.
9. Never use the arena leveller unless visibility and lighting levels are sufficient.
10. Operator must stop working if heavy exhaustion sets in, even if the work task is uncompleted.

TOW COUPLING OPERATION

1. Press on safety latch of the coupling device, pull the handle up, and then move in the direction shown below until the device is uncoupled and released from the ball mount.

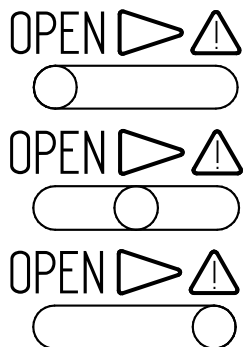


2. Coupling device indicator can be found on the side or on top of the coupling, as shown below.



3. Meaning of coupling device indicators for 2 different coupling devices. Find what fits your coupling.

Coupling device indicator 1.



OPEN

Indicates that the coupling is unsecured, make sure there is no debris or foreign objects between tow ball and coupling. Driving is prohibited



Indicates that coupling is secured. Driving is allowed

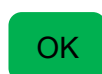


Indicates that coupling is not properly secured. Driving is prohibited.

Coupling device indicator 2.



Indicates that coupling is not properly secured, make sure there is no debris or foreign objects between tow ball and coupling. Driving is prohibited.



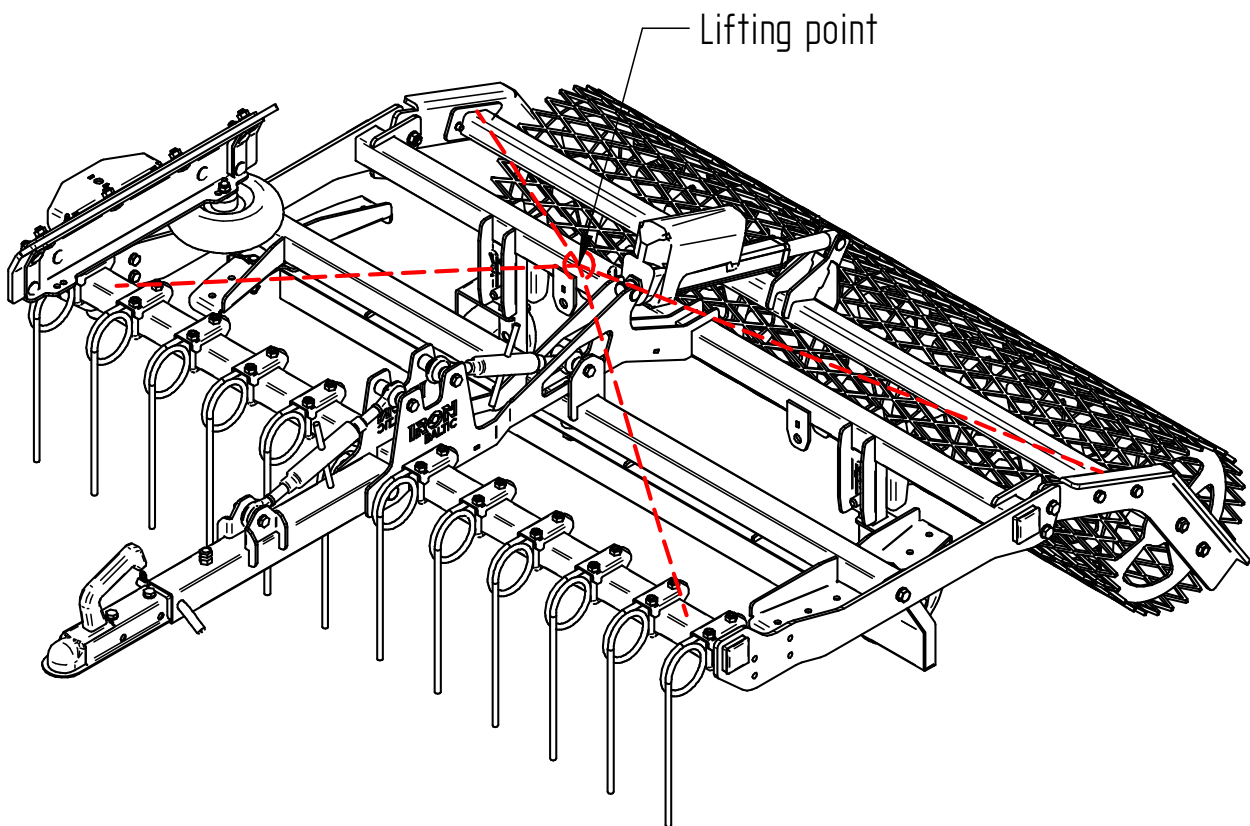
Indicates that coupling is secured. Driving is allowed



Indicates that the coupling is unsecured. Driving is prohibited

LIFTING OPERATION

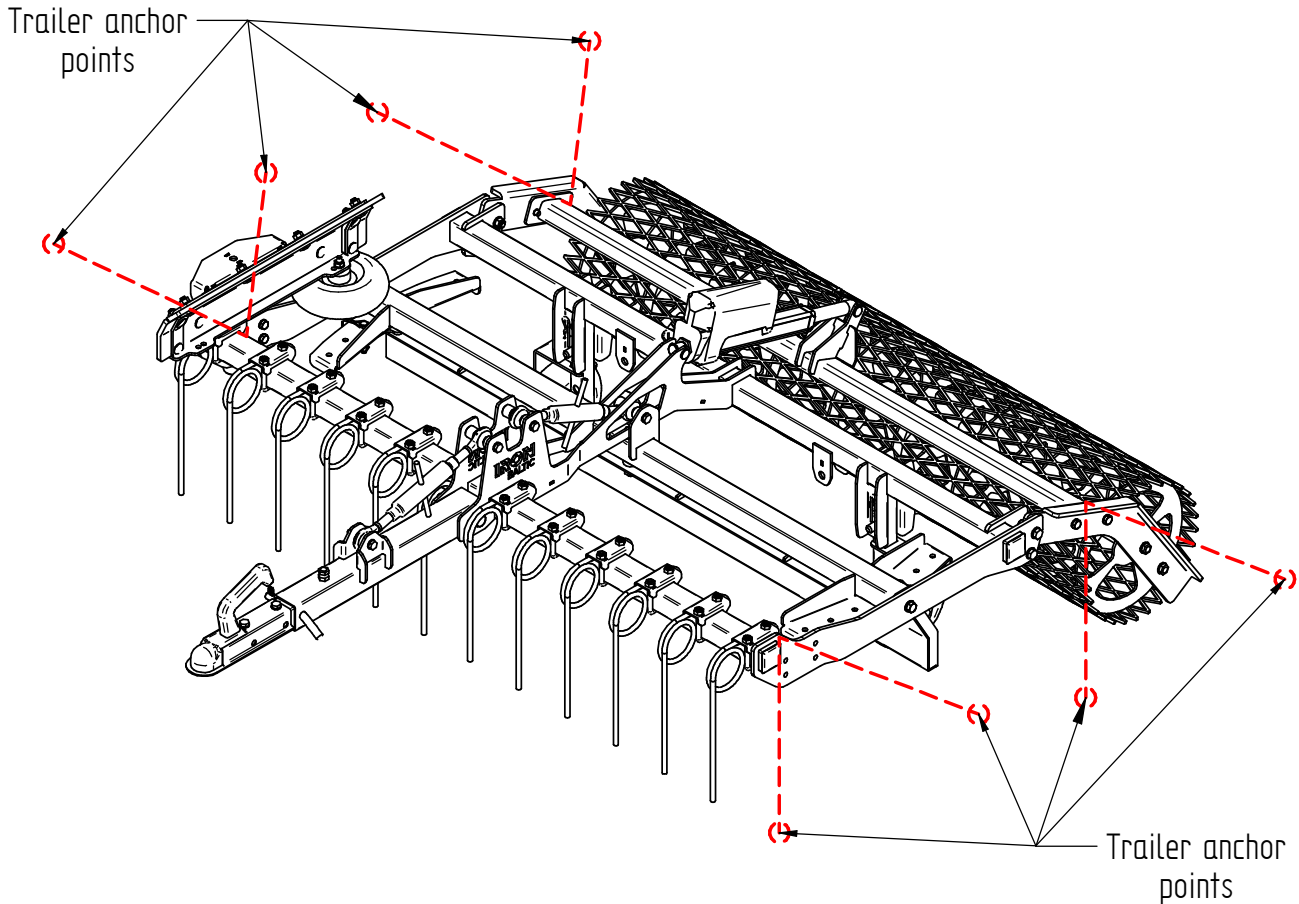
1. The lifting must be performed by two operators who are qualified professionals and have read the instructions.
2. Always follow safety requirements and procedures to prevent injuries and accidents.
3. Before starting the lifting process, ensure that you have the necessary tools and a strategy for emergencies.
4. Check that all fastenings are securely tightened and strong.
5. Ensure that the work environment is clean and free of any hazards or obstructions.
6. The ground must be stable and even.
7. Make sure that the lifting device (such as a hoist or lifting winch) is properly maintained.
8. Lifting device must be capable of lifting the arena leveller (load capacity > 250 kg). Never lift the arena leveller beyond the maximum capacity of the lifting equipment.
9. When lifting the arena leveller, use only designated lifting spots (see figures below).
10. Use the lifting equipment carefully and closely monitor the lifting process.
11. When the arena leveller is lifted to the correct height, never walk under it.



TRANSPORTATION ON A TRAILER

1. When loading the arena leveller onto the trailer, people/operators must use personal protective equipment (PPE).
2. Ensure that the ATV and arena leveller are in good working condition. Check for any signs of wear or damage.
3. Verify that the trailer is properly maintained and in good working order. Check the trailer's tires, brakes, and loading ramp.
4. Position the ramp at a safe angle to prevent tipping or slipping. Ensure the ramp is sturdy and securely attached to the trailer.
5. Confirm that the trailer can safely handle the weight of the ATV and the arena leveller.
6. Place the arena leveller into the transport position (see page 18).
7. Place side blade to transport position (see page 15).
8. Drive the ATV slowly and steadily up the ramp onto the trailer. Avoid sudden movements.
9. Once the ATV is on the trailer, engage the parking brake.

10. Lower arena leveller finishing roll for extra stability.
11. Ensure that the weight is evenly distributed on the trailer to prevent instability. Equipment that is poorly positioned during transport can result in loss of control, leading to a traffic accident or roll into the cab of the transport vehicle.
12. Use straps to secure the arena leveller to the trailer. Always inspect the straps before and after every use. Check the load limit, worn stitching, etc.
13. Ensure the straps are securely tightened and attached to the designated points to prevent the arena leveller from falling off during transport (see figure below).



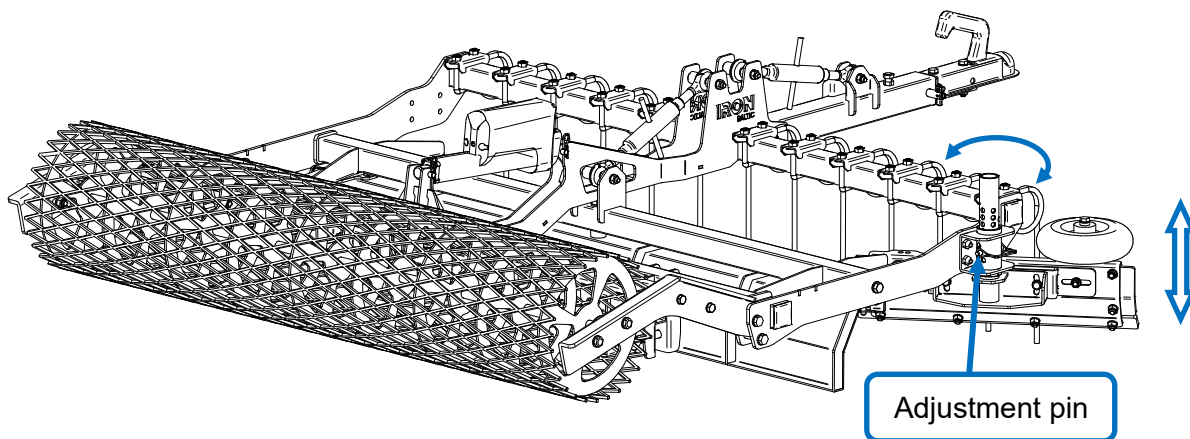
14. Ensure that all trailer lights, including brake lights and turn signals, are functioning properly.
15. Make sure the trailer, ATV and arena leveller are visible to other road users. Use reflective tape or markers if needed.
16. Periodically stop to check that the ATV and arena leveller remain securely fastened during transit.
17. Drive carefully and avoid sudden stops or sharp turns to maintain stability.
18. Upon starting the unloading process, ensure that the ramp is securely in place and stable before driving the ATV off the trailer.
19. Verify that the area around the trailer is clear of obstacles and bystanders.
20. Drive the ATV slowly and carefully down the ramp. Ensure the arena leveller remains securely attached during the unloading process.
21. Once unloaded, park the ATV on a level surface, engage the parking brake, and inspect the arena leveller for any damages. If damage is present that makes it unsafe to operate, the equipment must not be put into service.
22. If an accident occurs during loading or unloading, stop immediately and assess the situation. If necessary, call emergency services for assistance and provide details about the accident.

ADJUSTMENT AND WORKING WITH ARENA LEVELLER

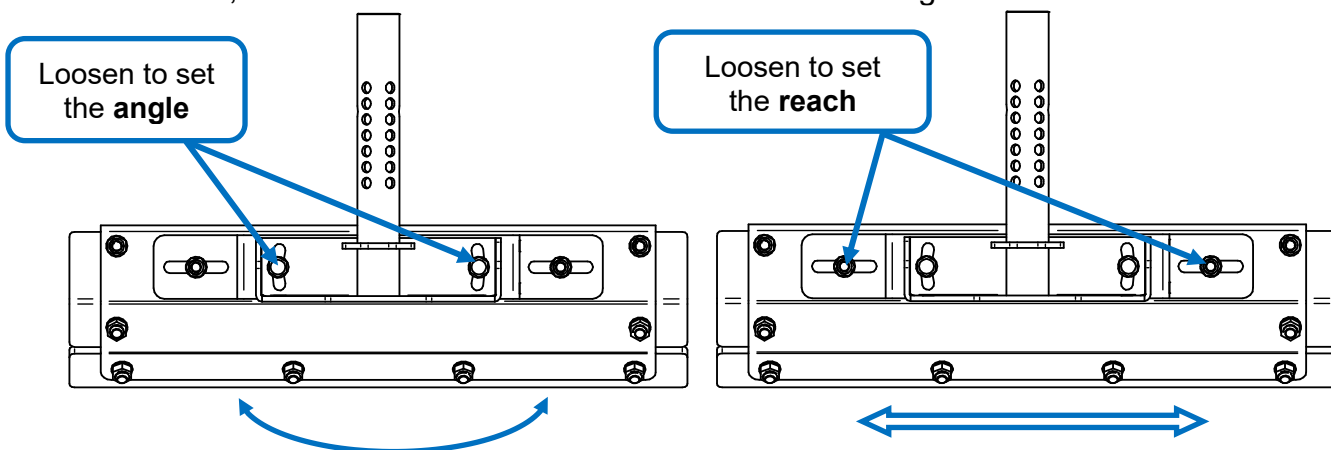
SIDE BLADE ADJUSTMENTS

Make sure there is no weight on the side blade. For safer side blade adjustment, raise the arena leveller by lowering the rear roll to the ground.

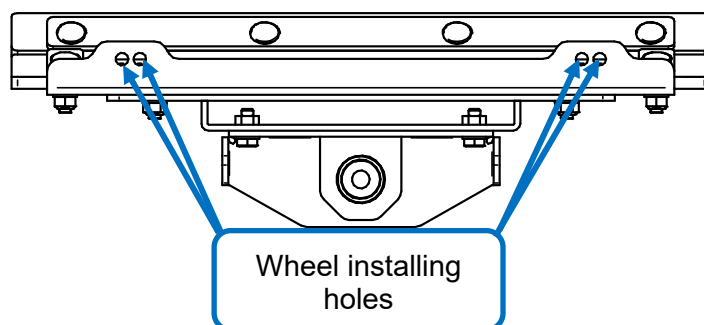
- You can set the side blade into three different positions: 25° / 35° / 45°. To do so, remove the pin, select desired height / angle and reinstall the pin to matching holes.



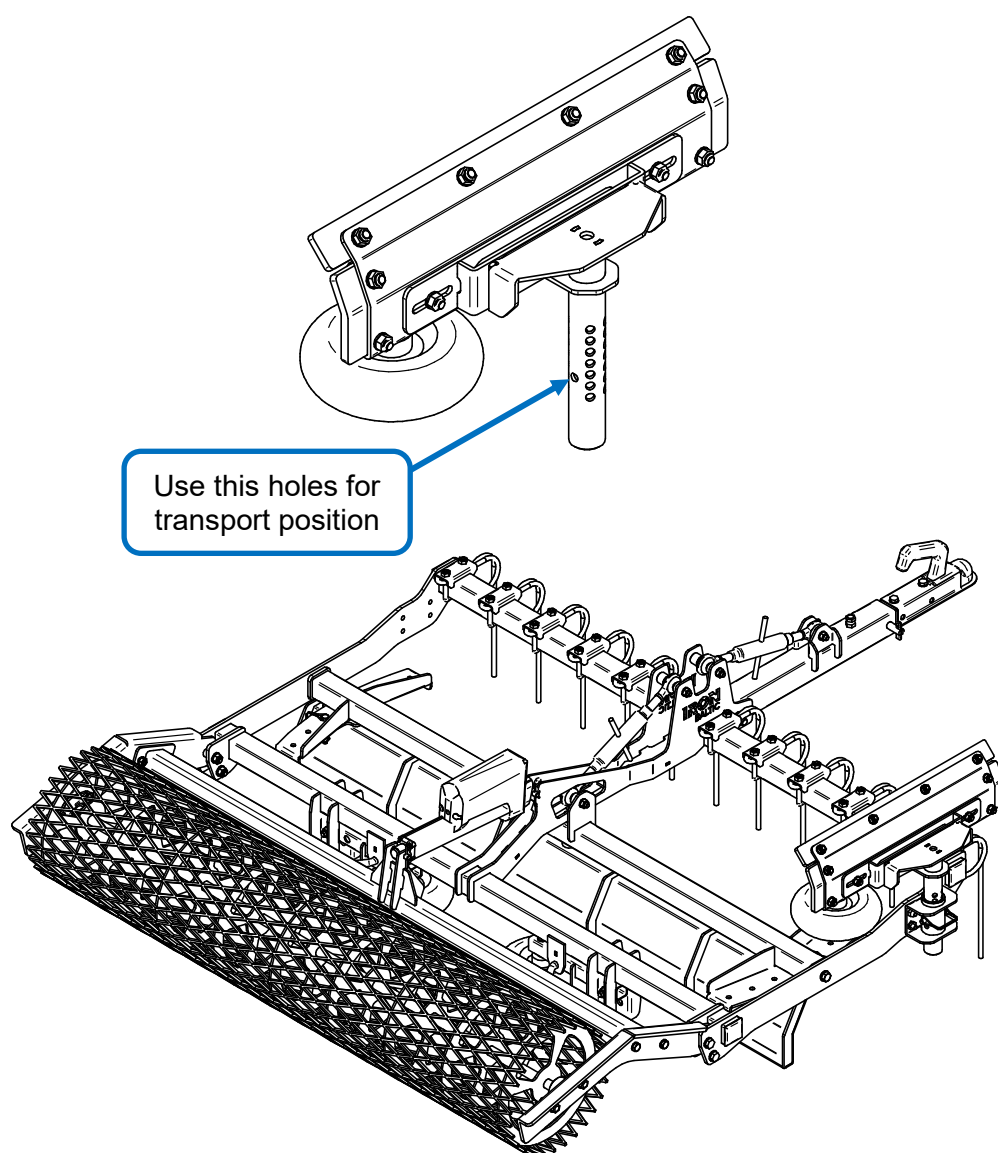
- On the side blade you can also adjust the angle and side reach. To do so, loosen the bolts and set the blade to desired angle and distance.



- Perimeter wheel is intended to work as a guide when working with arena edges and the wheel must move against the arena wall. Wheel stops the side blade going against the edges. **NB! Before starting work, make sure the wheel position is correct for specific arena. There are 2 holes on each side for installing wheel. Using inner holes may cause rubber blade extra wear.**



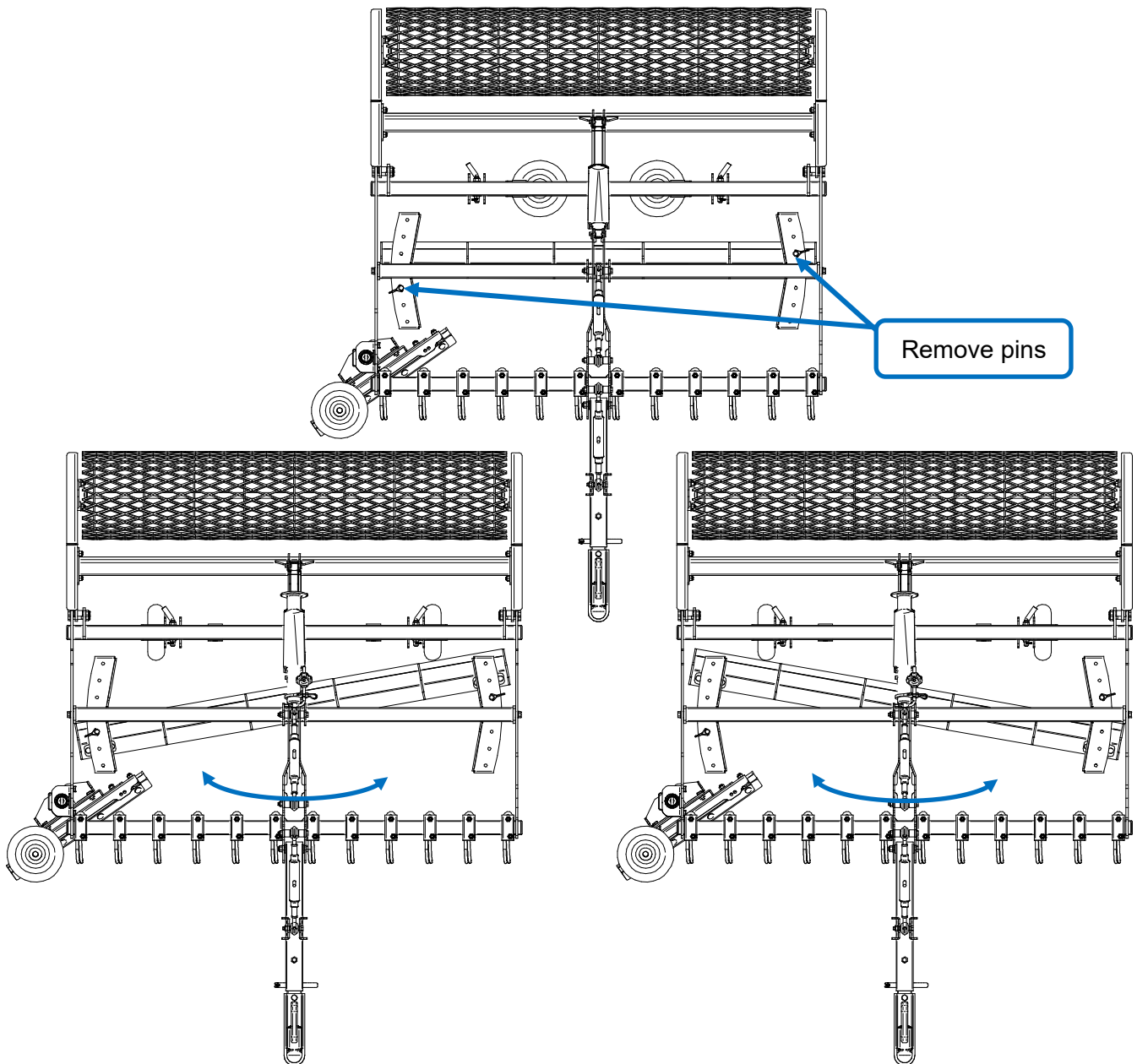
- You can set side blade into transport position. To do so, remove the pin, remove side blade, reinstall side blade from the top and secure with the pin to matching holes.



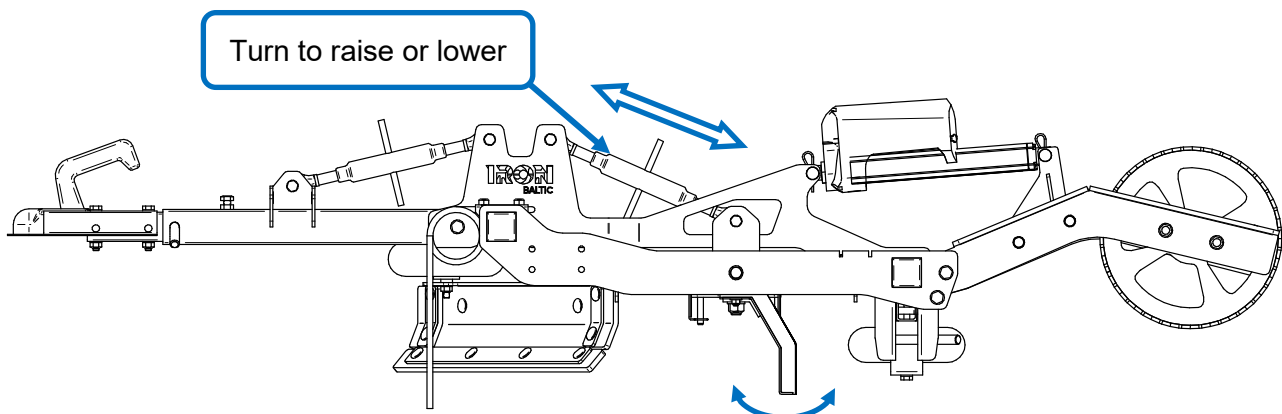
Side blade transport position

MAIN BLADE ADJUSTMENTS

- You can set the main blade into five different positions: 5° / 10° / 0° / -5° / -10°.
To do so, remove the pin, select desired angle and reinstall the pin to matching holes.

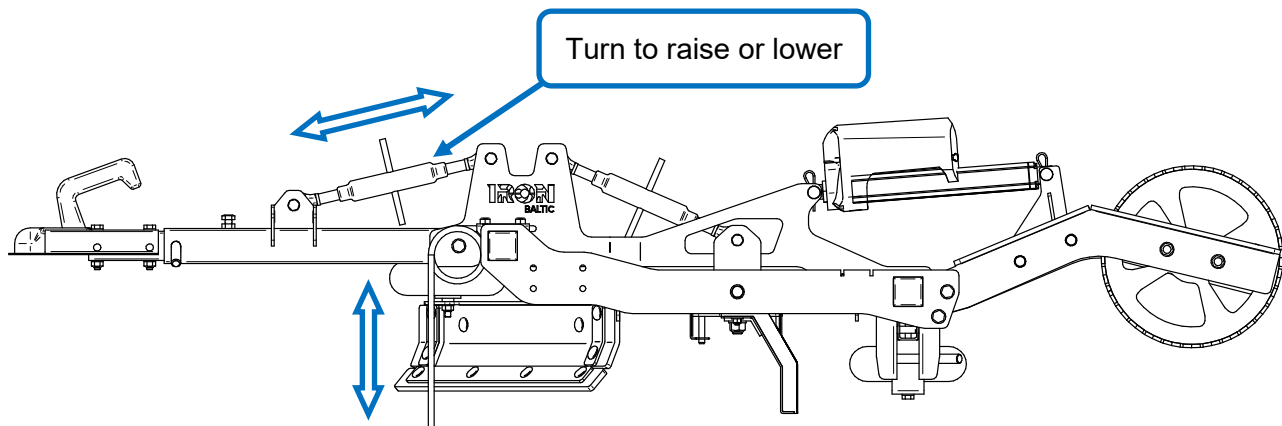


- To set the depth/angle of the main blade, hook the arena leveler to the ATV/UTV and then adjust the top link by turning it. Make a test pass and if needed correct the height/angle of the blade.

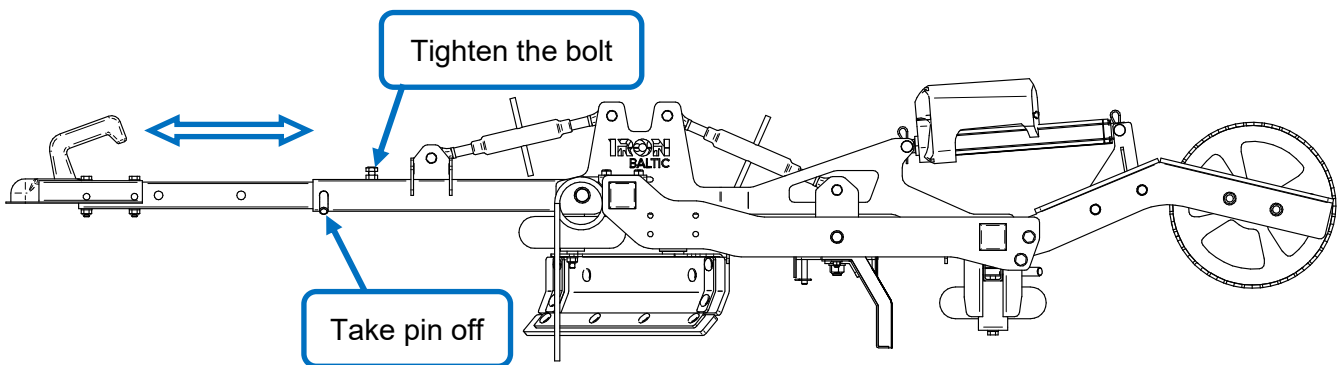


OTHER ADJUSTMENTS

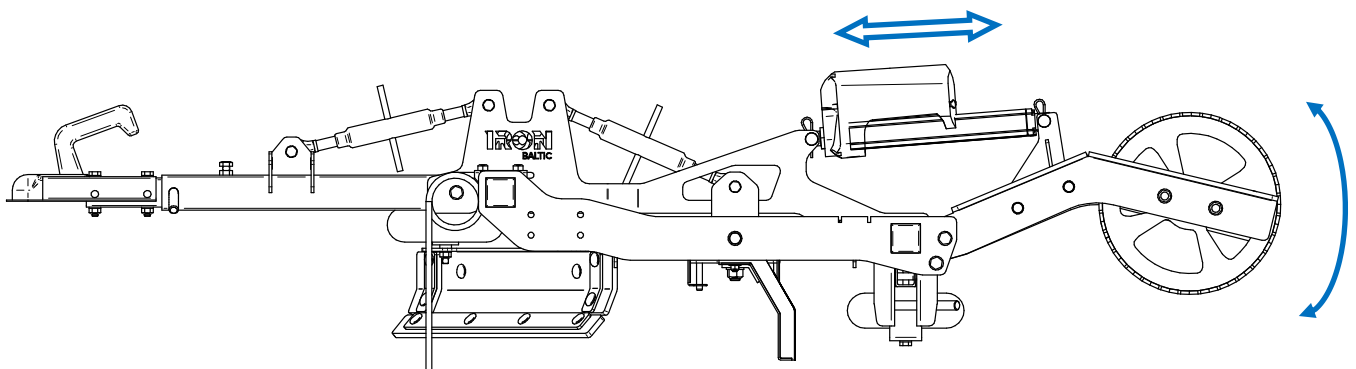
- To set the depth of the tines, hook the arena leveler to the ATV/UTV and then adjust the top link by turning it. Make a test pass and if needed correct the height of the tines.



- To set the length of tow beam, unhook arena leveller from ATV/UTV. Take pin off and choose one of three holes. Secure beam with pin. To minimise beam movement, you can tighten the bolt.

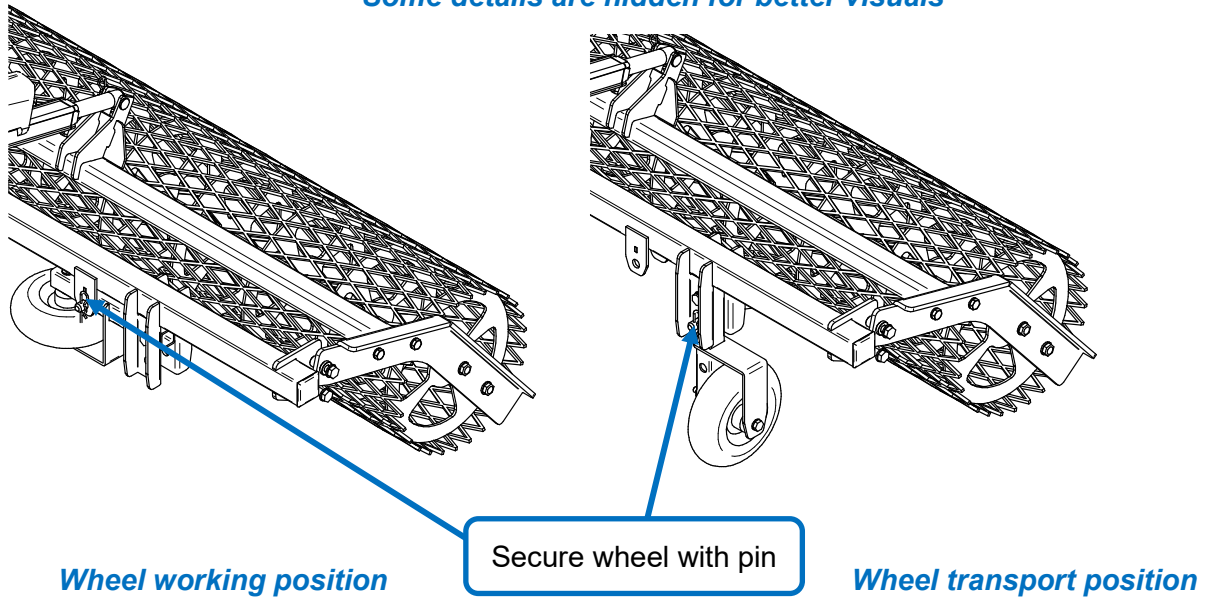


- To set the finishing roll to working position, use lift cylinder to lower the roll.

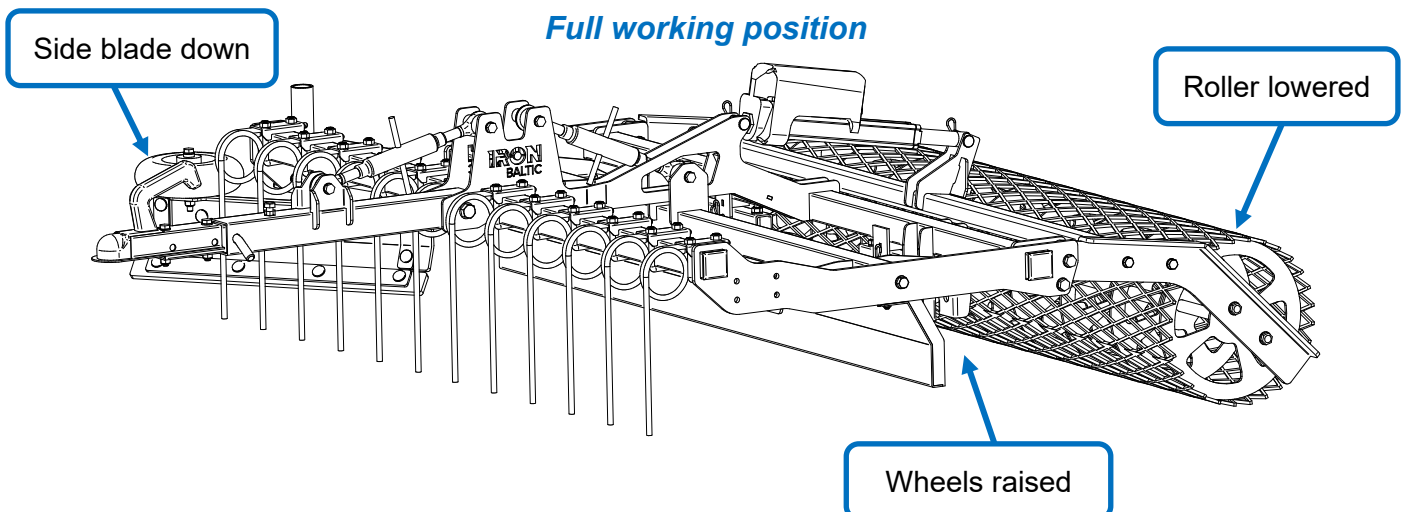
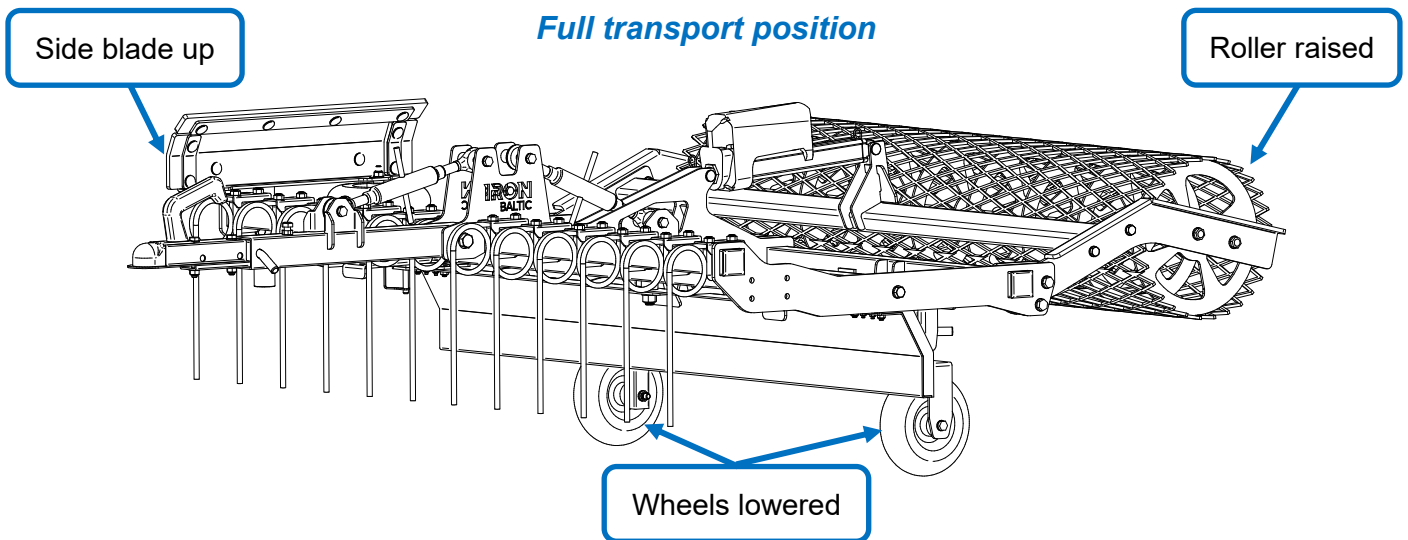


- To fold/unfold transport wheels, lower the rear roller to the ground until the wheels are off the ground. **NB! Do not forget to use pins to secure wheel in place.**

Some details are hidden for better visuals



TRANSPORT AND WORKING POSITION



MAINTENANCE

MAINTENANCE AND CLEANING

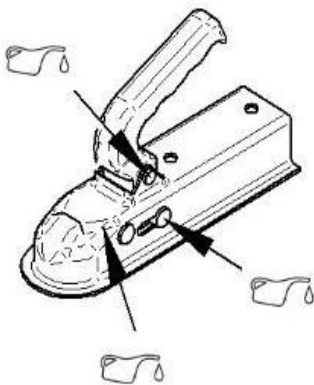
1. The maintenance of the arena leveller is mandatory.
2. The maintenance of the vehicle is mandatory (see the vehicle manufacturer's user manual).
3. Personal protective equipment must be used (PPE).
4. Perform maintenance in the transportation position (see page 18).
5. Perform tire replacement on flat and hard surface, arena leveller must be in working position.
6. Maintenance and repairs of the machine must be carried out by qualified operators/professionals.
7. Machine must be cleaned regularly.
8. Waste operating fluids must be utilized correctly.
9. For cleaning metal surfaces use neutral universal cleaners and microfibre cloth.
10. Using strong chemicals for cleaning is prohibited (acetone, trichloroethylene, sulfuric acid, hydrochloric acid, phosphoric acid, caustic soda, ammonium hydroxide, ammonium chloride, etc).

MAINTENANCE SCHEDULE

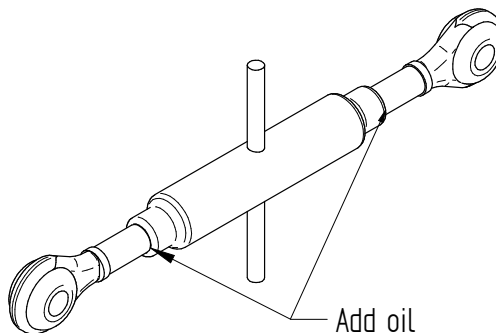
Maintenance activity:	Before and after work	Weekly	Monthly	Seasonally
Clean the arena leveller	•	•	•	•
Tire pressure, wheel bolts, tow coupling connection check	•	•	•	•
Visual inspection of parts fastening	•	•	•	•
Checking the condition of all connecting parts		•	•	•
Inspection of safety labels		•	•	•
Lubricate the tow coupling, top links and bearings			•	•
Checking the wear rate of metal parts			•	•

LUBRICATING

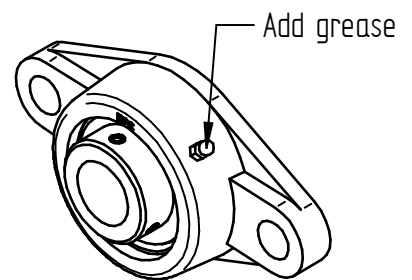
Greasing and oiling must be performed monthly and/or in case of difficult movement. Use oil for tow coupling and top links, grease for bearings. Excessive lube should be removed. Lube places are shown below.



Tow coupling



Top link



Bearing

STORAGE

The arena leveller should be stored in a clean, dry area and free of pests and animals.

Pre-use check must be carried out after storage and before using the machine again (see page 10). Otherwise, corrosion developed during storage may not be noticed when the machine is put into service. Parts of the machine may have rusted/jammed, rubber parts and oils/greases have degraded during storage period.

DISMOUNTING THE EQUIPMENT

1. Place the vehicle on an even surface, set the parking brake, stop the engine, and remove the ignition key in order to avoid an accidental start.
2. Put arena leveller in transport position (see page 18).
3. Unplug electric cylinder cable.
4. Uncouple arena leveller.
5. Move arena leveller to the suitable place.
6. Arena leveller could lean on tines while stored. To avoid damaging surface, cloth could be used under tines.
7. Arena leveller could be stored, if you put block under tow beam. Block should be same height, as ATV/UTV tow coupling.

STORAGE PROCESSES

1. Clean the arena leveller thoroughly.
2. Mark all parts that are to be replaced in the next season. Contact your dealer to order replacement parts.
3. Follow the instructions given in the maintenance chapter (see page 18).

STORAGE HAZARDS

1. The arena leveller should not be stored on objects/shelves/floors/grounds that are not sufficiently load-bearing/sturdy. This may cause machine to move or roll.
2. Never store the arena leveller outdoors. Outdoor conditions can damage the machine, leading to failure when the machine is put into service.

UTILIZATION AND DISPOSAL



Attention!

!! Failure to comply with disposal requirements may result in damages to the environment and injuries to operators and other nearby persons !!

NB! Personal protective equipment must be used during the utilization process!

1. Disposal rules and laws may vary from country to country, so make sure you are aware of the correct procedures and requirements before disposing of your equipment. Disposal must comply with national requirements, regulations, and laws.
2. Incorrect utilization procedures can result in unnecessary fines and legal consequences.
3. All utilization operations must be conducted in a well-lit and ventilated environment. Additional lighting and ventilation equipment must be used if necessary.
4. Lifting and transport operations (see pages 11 and 12) necessary during utilization shall be carried out in accordance with the points set out in respective and relevant chapters.
5. All parts must be separated by material and taken to the appropriate recycling point.
6. The manufacturer recommends recycling the packaging as it preserves raw materials and reduces waste being landfilled.

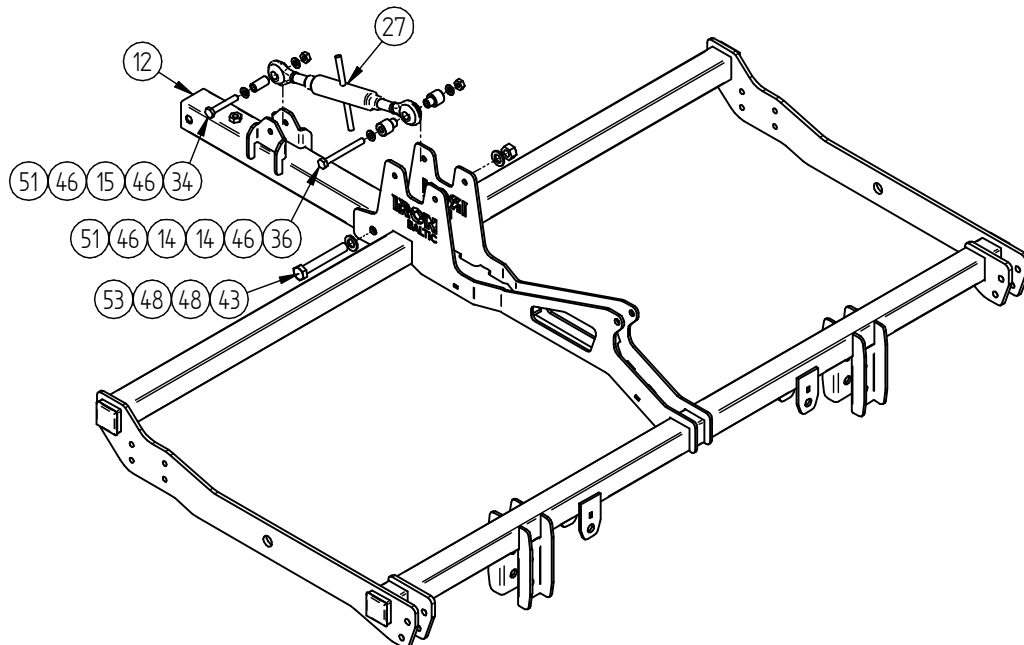
ARENA LEVELLER ASSEMBLING GUIDE

Thread size	Strength class		
	4.8	8.8 (default)	10.9
	Tightening torque (Nm)		
M6	5,5	10	15
M8	13	25	35
M10	25	50	75
M12	45	85	130
M16	115	215	315

If not specified otherwise, use tightening torque for fasteners specified in the following table.

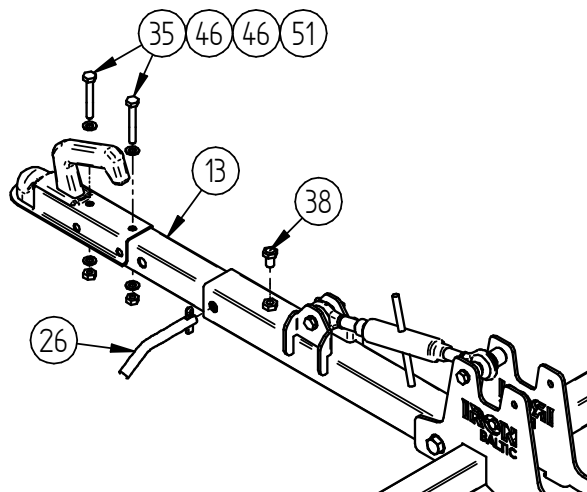
Step 1

Install tow beam (Pos.12) and top link (Pos.27) to frame (Pos.1). For fastening use M10x65 bolt (Pos.34), M10x100 bolt (Pos.36), M16x110 bolt (Pos.43), M10 washers (Pos.46), M16 washers (Pos.48), M10 nyloc nuts (Pos.51), M16 nyloc nuts (Pos.53), top link bushing for tow beam (Pos.15) and top link bushings (Pos.14).



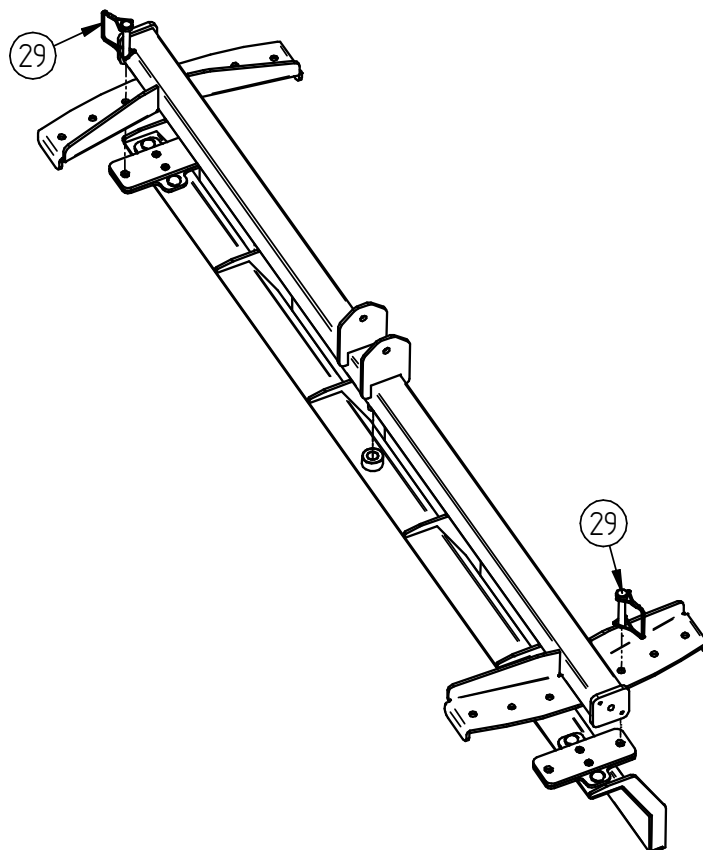
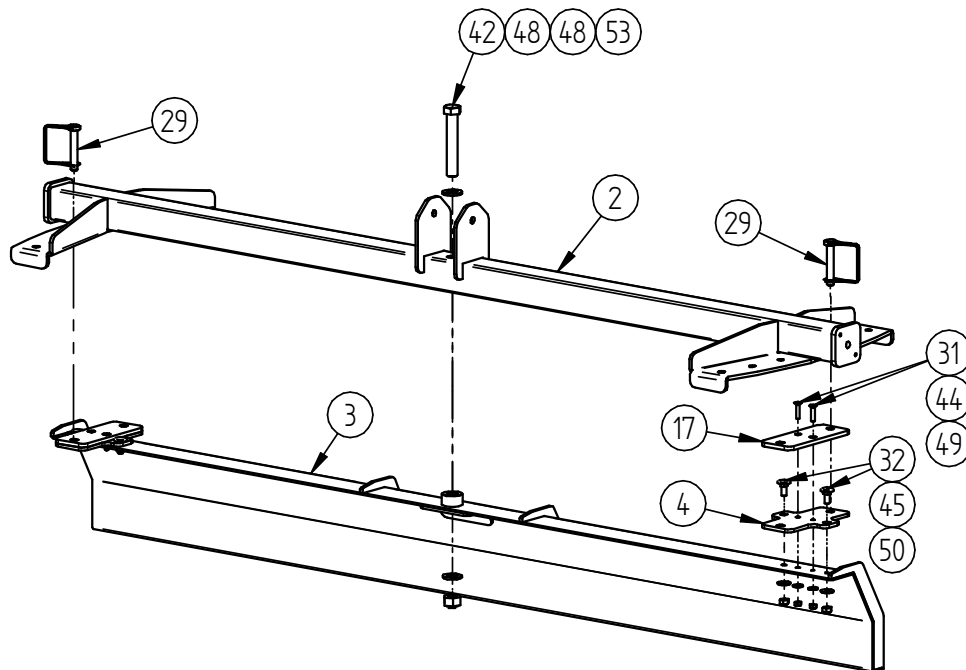
Step 2

Install extended tow beam (Pos.13). For fastening use quicklock pin (Pos.26) and M12x20 bolt (Pos.38). To connect tow coupling (Pos.25), use M10x70 bolts (Pos.35), M10 washers (Pos.46) and M10 nyloc nuts (Pos.51).



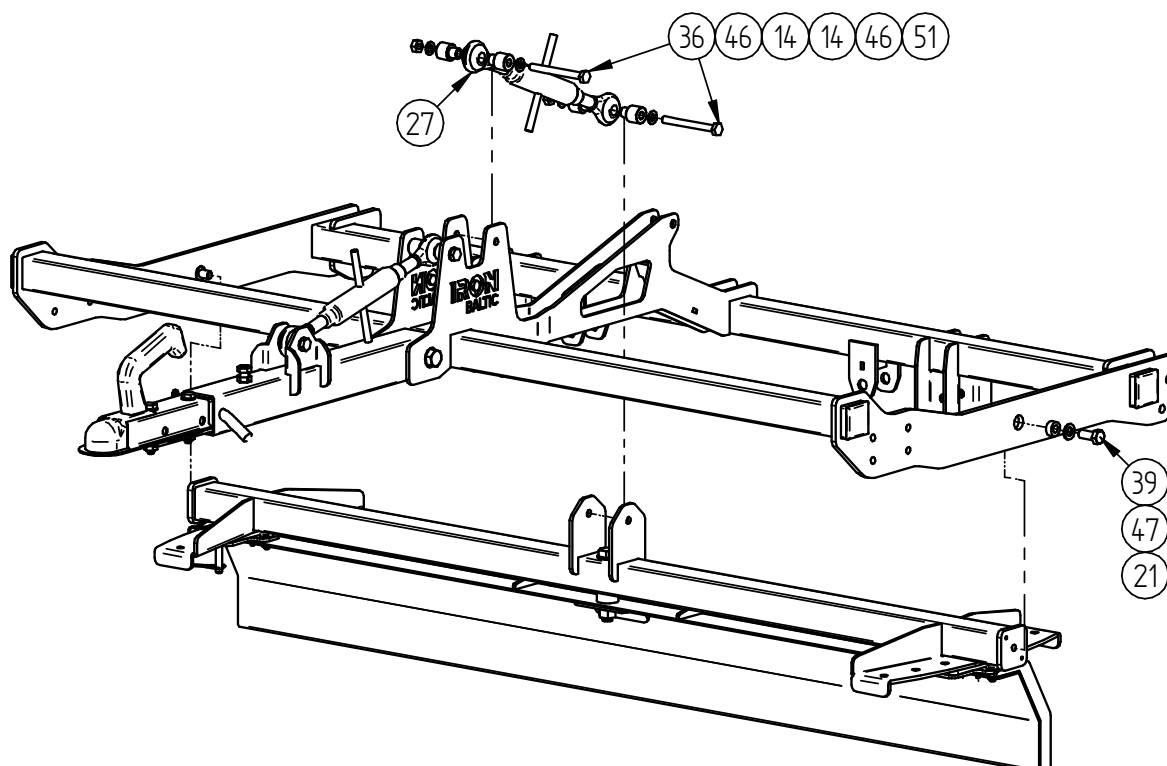
Step 3

Install connecting plate (Pos.4) to main blade (Pos.3). For fastening use M8x20 carriage bolts (Pos.32), Ø8/20 washers (Pos.45) and M8 nyloc nuts (Pos.50). To connect slide plate (Pos.17) to blade, use M6x25 bolts (Pos.31), Ø6/15 washers (Pos.44) and M6 nyloc nuts (Pos.49). Install assembled blade to blade axle (Pos.2) using M16x100 bolt (Pos.42), M16 washers (Pos.48), M16 nyloc nut (Pos.53) and pins (Pos.29).



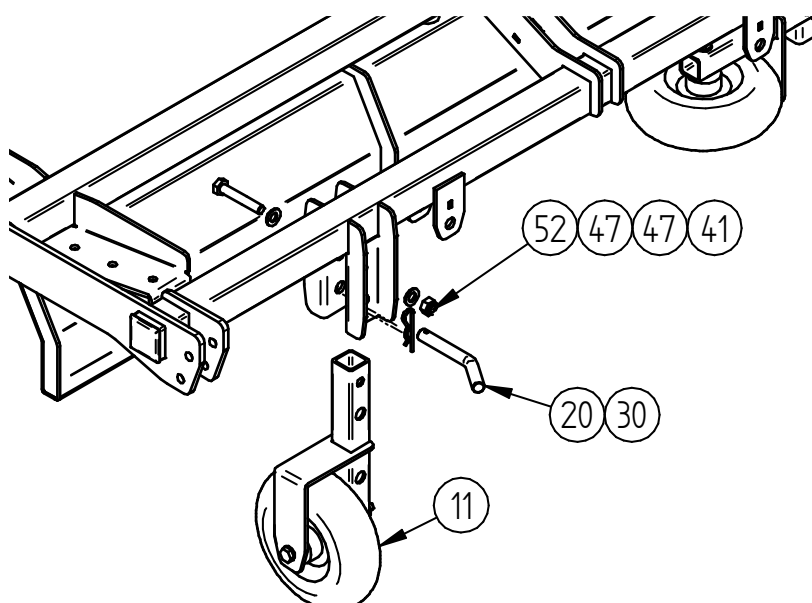
Step 4

Install main blade assembly and top link (Pos.27) to the frame. For installation use M10x100 (Pos.36), M12x30 bolts (Pos.39), M10 washers (Pos.46), M12 washers (Pos.47), M10 nyloc nuts (Pos.51), top link bushings (Pos.14) and bushings for main blade (Pos.21).



Step 5

Install wheel assemblies (Pos.11) to the frame. For fastening use M12x40 bolts (Pos.40), M12 washers (Pos.47), M12 nyloc nuts (Pos.52), pins (Pos.20) and cotter pins (Pos.30).



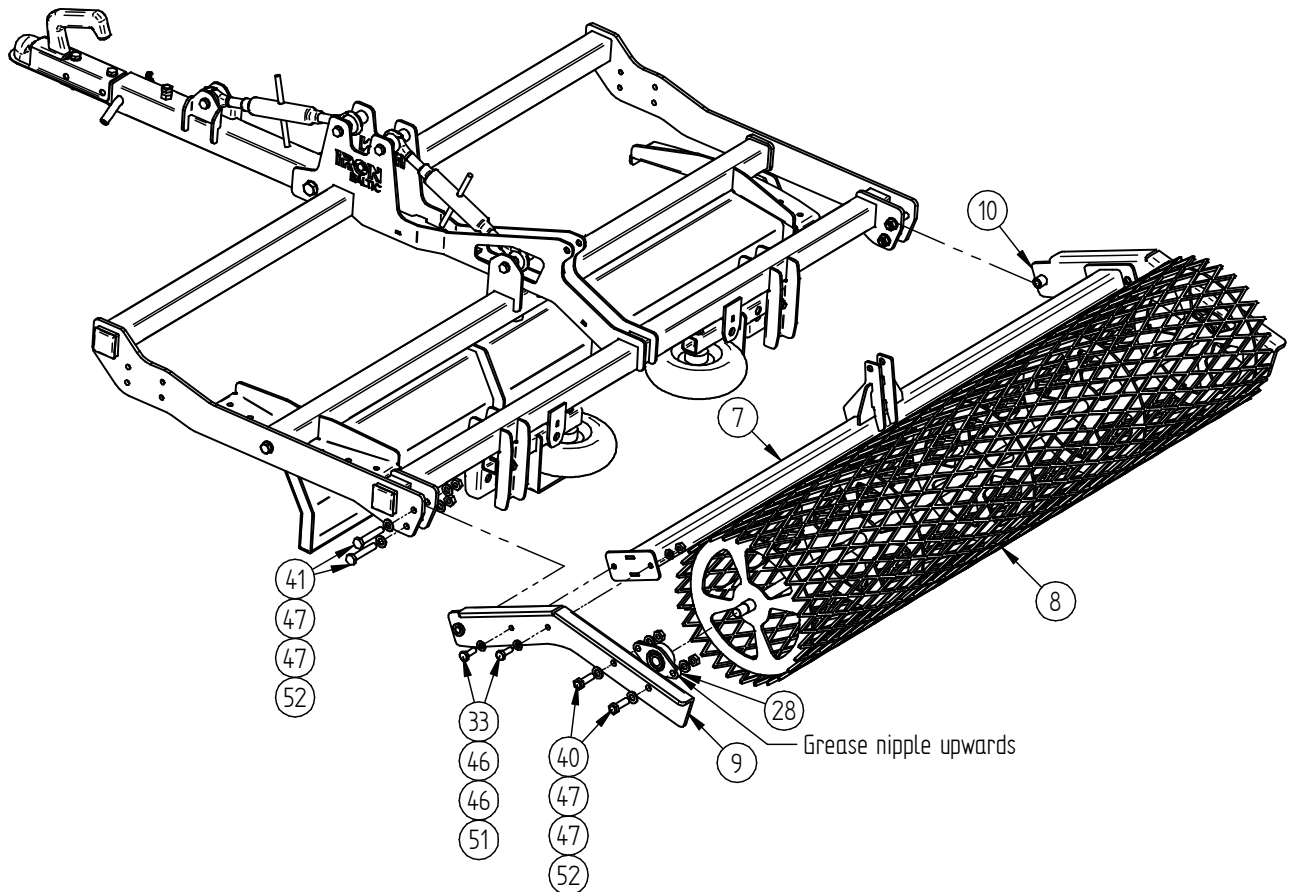
Step 6

Install bearings (Pos.28) to roller left holder (Pos.9) and to roller right holder (Pos.10). For fastening use M12x40 bolts (Pos.40), M12 washers (Pos.47) and M12 nyloc nuts (Pos.52).

Push the roll (Pos.8) into the bearings on the roll holders and install roller support tube (Pos.7), use M10x30 bolts (Pos.33), M10 washers (Pos.46) and M10 nyloc nuts (Pos.51). Tighten adjustment screws on the bearings!

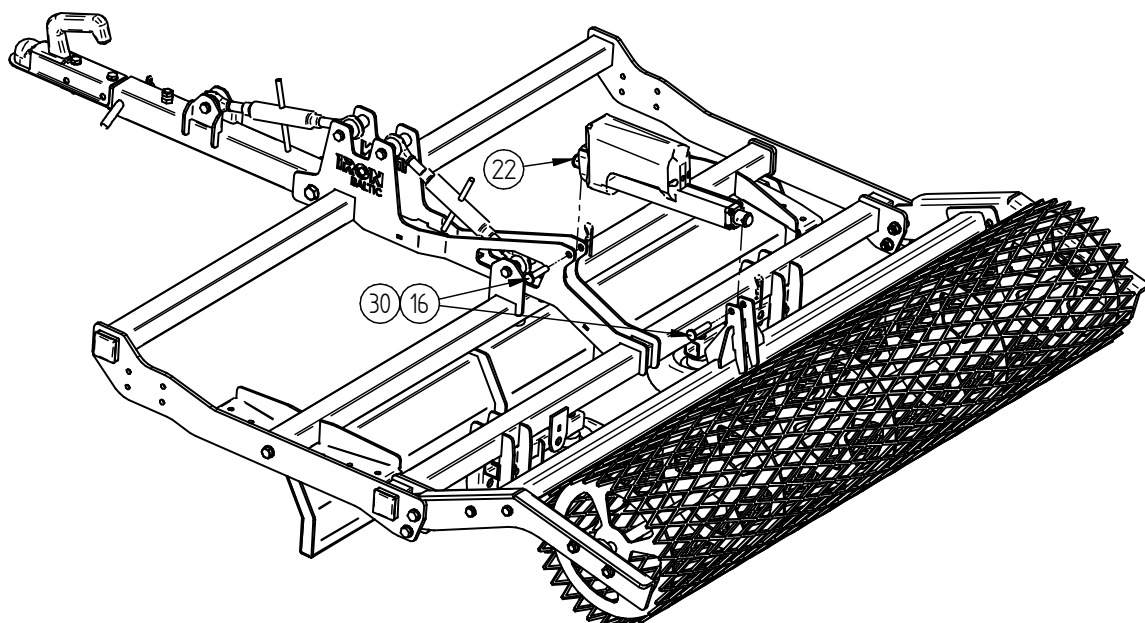
Then install the assembled roll to the frame, use M12x70 bolts (Pos.41), M12 washers (Pos.47), M12 nyloc nuts (Pos.52).

Bottom M12 bolts act as a limiter!



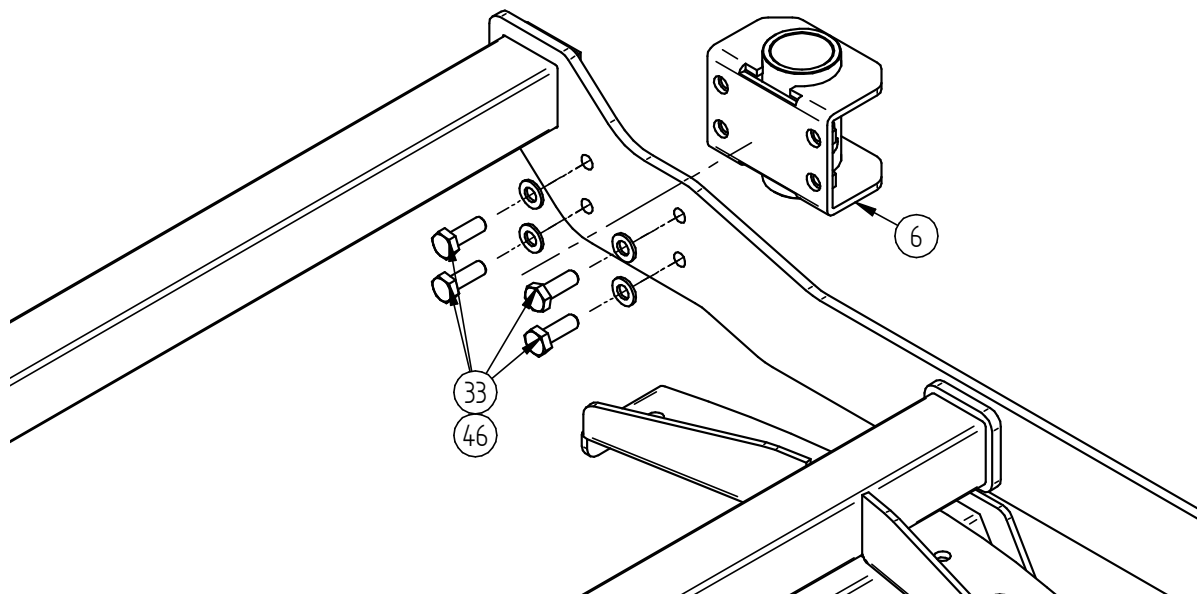
Step 7

Install electric lift cylinder (Pos.22) to the frame, use pins (Pos.30) and cotter pins (Pos.16).



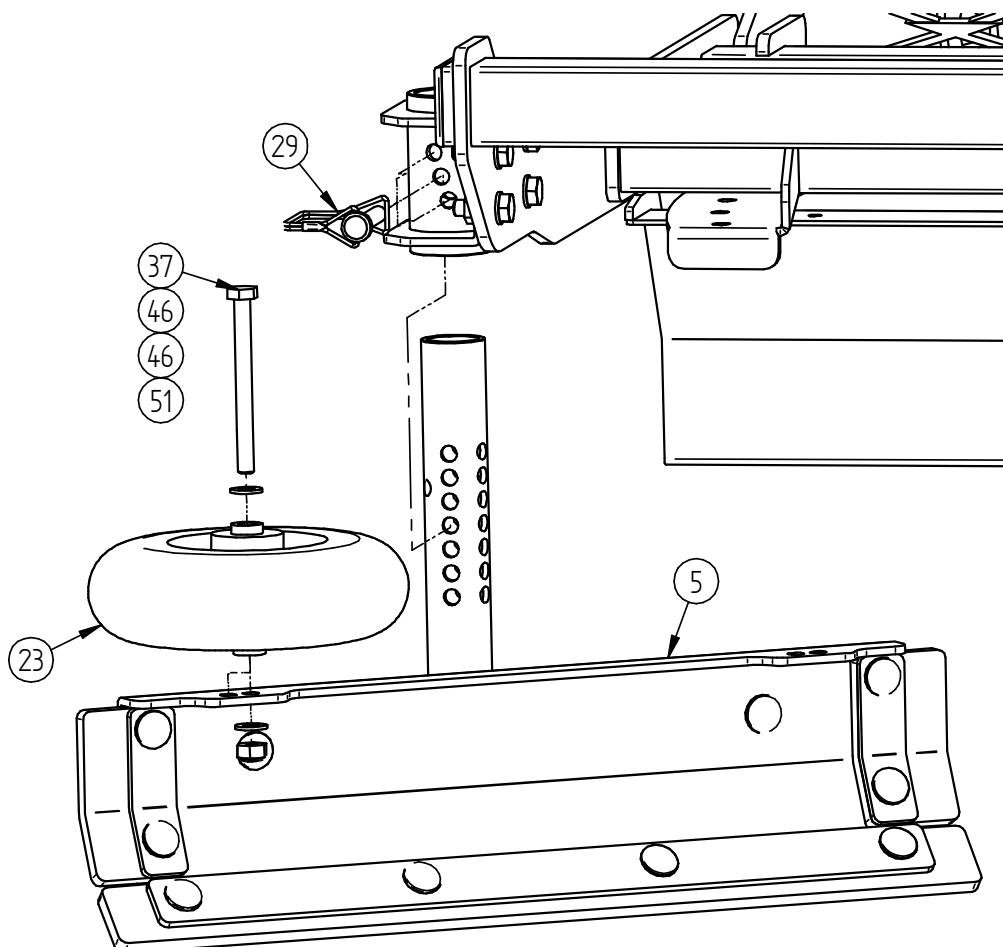
Step 8

Install side blade mount (Pos.6) to frame, use M10x30 bolts (Pos.33), and M10 washers (Pos.46). **NB! Mount can be installed on left or right side of the frame.**



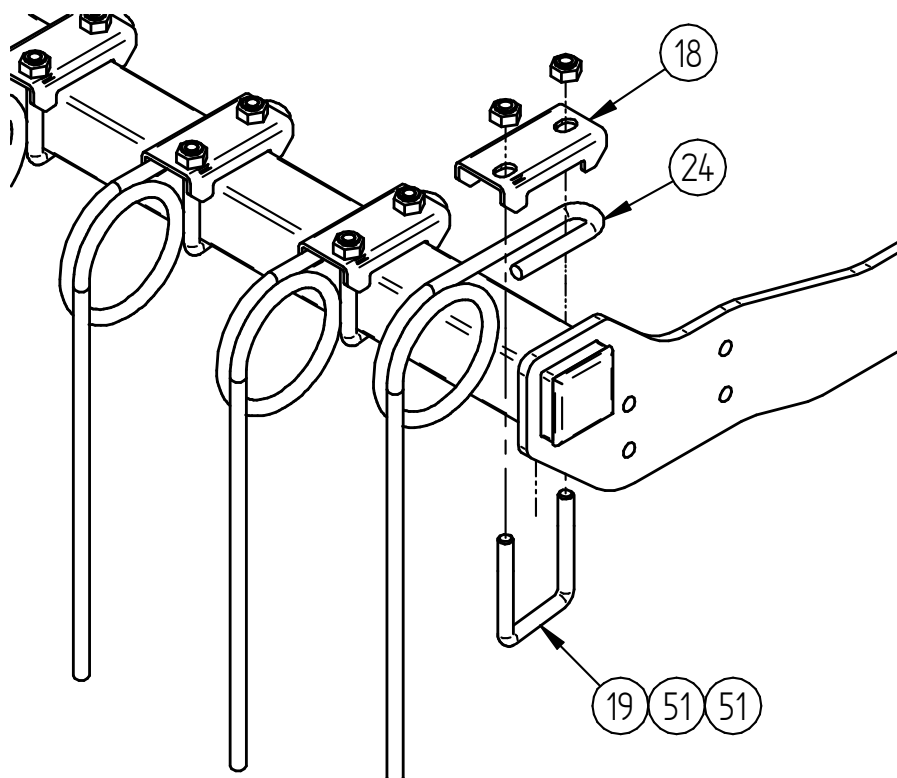
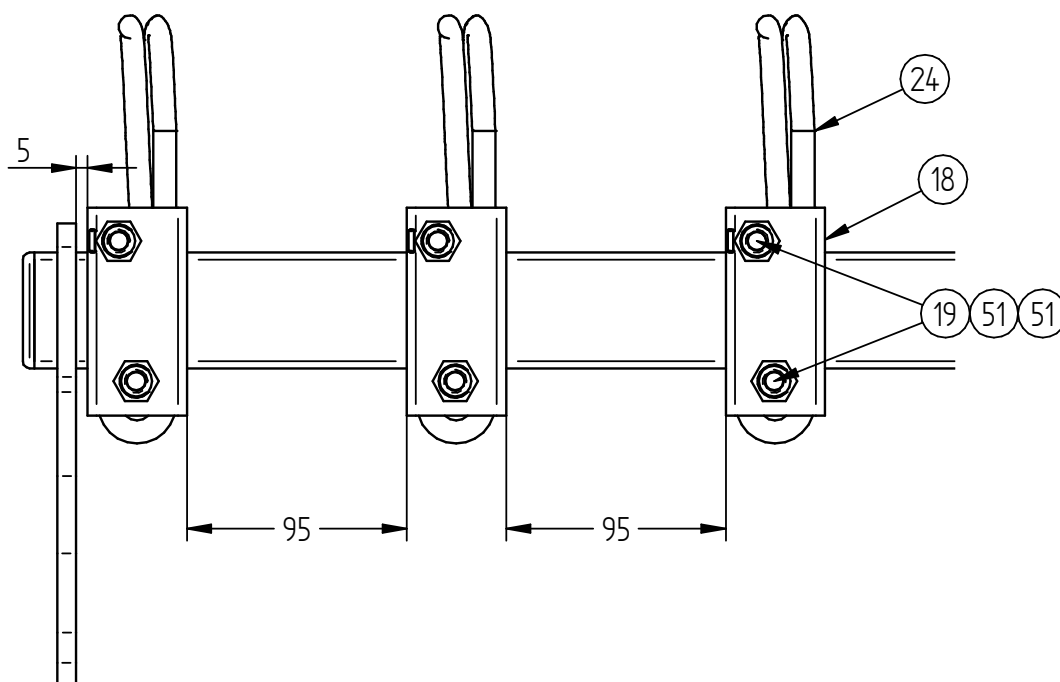
Step 9

Install wheel (Pos.23) to side blade (Pos.5). For fastening use M10x110 bolt (Pos.37), M10 washers (Pos.46) and M10 nyloc nut (Pos.51). **NB! There are 2 holes on each side for installing wheel. Using inner holes may cause rubber blade extra wear.** Install assembled side blade to the mount, use pin (Pos.29).



Step 10

Install spring tines (Pos.24) to the front tube of the frame. For fastening use U-bolts 50mm (Pos.19), M10 nyloc nuts (Pos.51) and spring tine holders (Pos.18).



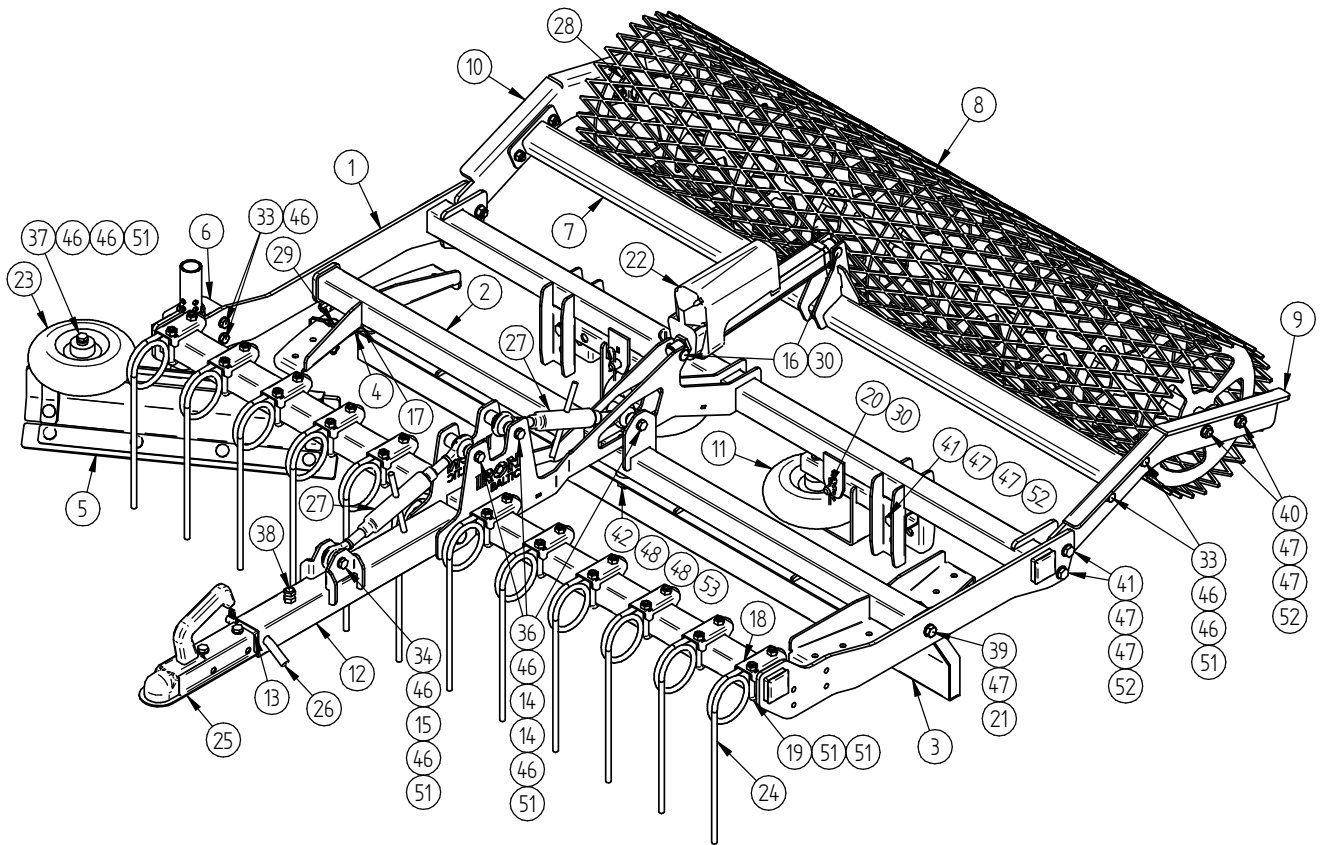
Step 11

You are now ready to use the arena leveller!

SPECIFICATION

Pos.	Description	Code	Amount
1	Frame	88.2001S	1
2	Main blade axle	88.2011K	1
3	Main blade 1540mm	88.2015K	1
4	Connecting plate	88.2019	2
5	Side blade assembly	88.2021S	1
6	Side blade mount	88.2032K	1
7	Roller support tube	88.2034K	1
8	Leveller roll	88.2037K	1
9	Roller left holder	88.2040K	1
10	Roller right holder	88.2042K	1
11	Transportation wheel assembly	88.2043S	2
12	Tow beam	88.2046K	1
13	Extended tow beam	88.2049	1
14	Top link bushing	88.2053	6
15	Top link bushing for tow beam	88.2054	1
16	Pin 12mm	88.2055	2
17	Slide plate (for main blade)	88.2060	2
18	Spring tine holder	88.1040	12
19	U-bolt 50 mm	84.2010	12
20	Pin	15.1403	2
21	Bushing (for main blade)	20.103	2
22	Linak LA36 lift cylinder	70.2900	1
23	Wheel 2,5-4"	OT.10.03.030	1
24	Spring tine Ø10 L346mm	OT.58.00.010	12
25	Coupling 50x50	OT.10.02.020	1
26	QuickLock pin	OT.53.00.045	1
27	Top link 280-415mm (Cat.0)	OT.61.01.031	2
28	Bearing UCFL204	OT.31.00.006	2
29	Spring-loaded pin 10 x 60/70	OT.10.11.011	3
30	Cotter pin 3 DIN 11024	OT.07.01.020	4
31	Bolt M6x25 DIN7991	OT.02.04.040	4
32	Carriage bolt M8x20 DIN603	OT.02.05.050	4
33	Bolt M10x30 DIN933	OT.02.02.320	8
34	Bolt M10x65 DIN931	OT.02.01.045	1
35	Bolt M10x70 DIN931	OT.02.01.046	2
36	Bolt M10x100 DIN931	OT.02.01.052	3
37	Bolt M10x110 DIN931	OT.02.01.059	1
38	Bolt M12x20 DIN933	OT.02.02.380	1
39	Bolt M12x30 DIN933	OT.02.02.390	2
40	Bolt M12x40 DIN933	OT.02.02.410	4
41	Bolt M12x70 DIN931	OT.02.01.110	6
42	Bolt M16x100 DIN931	OT.02.01.150	1
43	Bolt M16x110 DIN931	OT.02.01.155	1
44	Washer Ø6/15 SFS3738	OT.04.03.020	4
45	Washer Ø8/20 SFS3738	OT.04.03.030	4
46	Washer M10 DIN125	OT.04.01.040	26
47	Washer M12 DIN125	OT.04.01.050	22
48	Washer M16 DIN125	OT.04.01.060	4

49	Nyloc nut M6 DIN985	OT.03.02.030	4
50	Nyloc nut M8 DIN985	OT.03.02.040	4
51	Nyloc nut M10 DIN985	OT.03.02.050	35
52	Nyloc nut M12 DIN985	OT.03.02.060	10
53	Nyloc nut M16 DIN985	OT.03.02.070	2

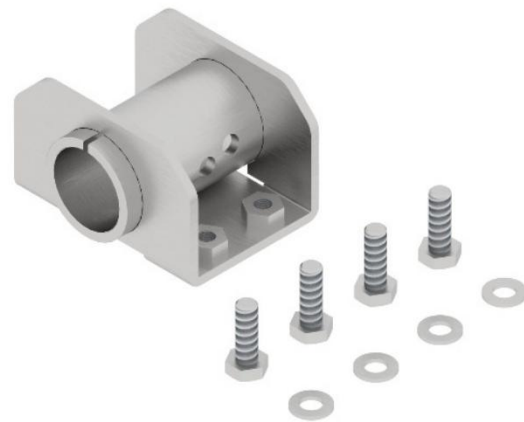


SPARE PARTS

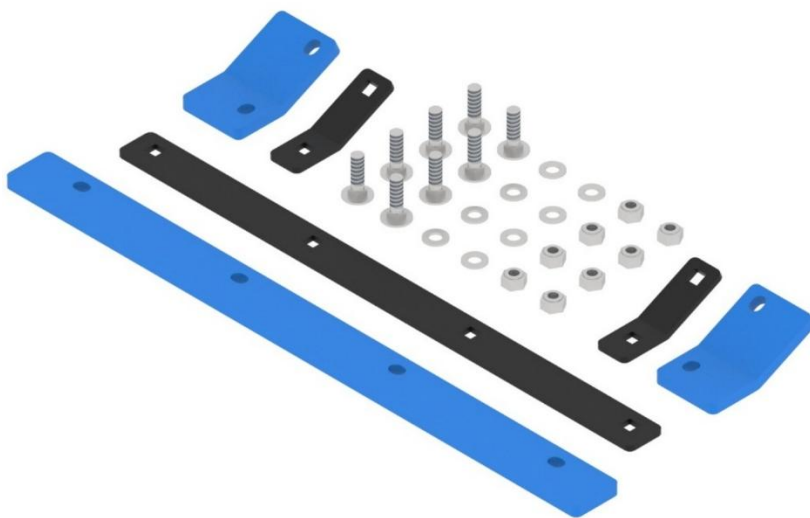
88.2100 – Adjustable tube kit



88.2110 – Side blade mount kit



88.2120 – Rubber blade set



88.1800 – Rake tine set



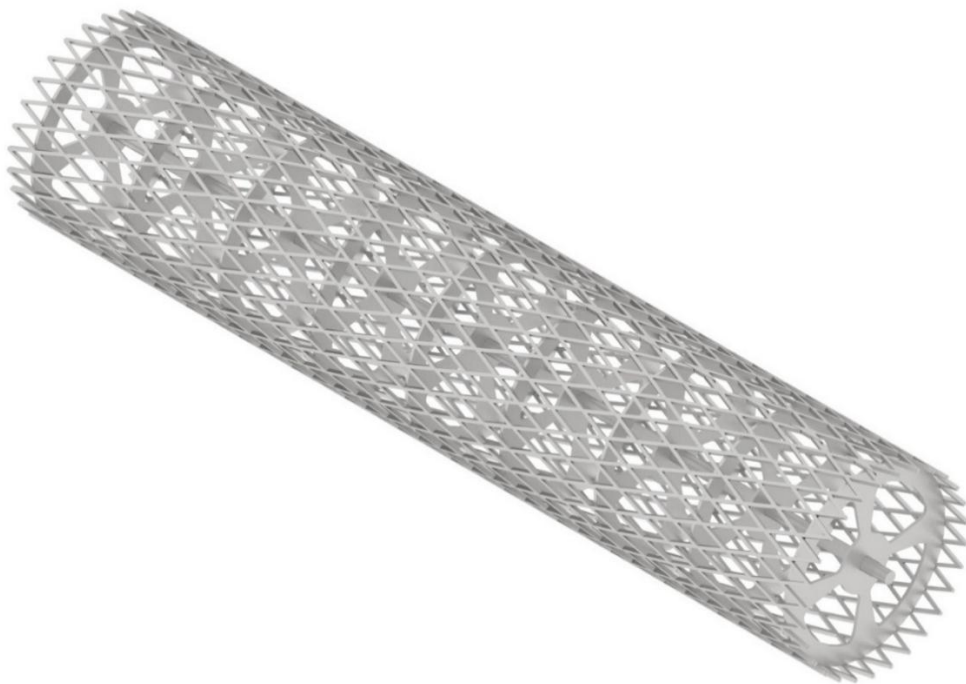
88.2130 – Wheel kit



88.2140 – Bearings kit



88.2150 – Finishing roll



88.2160 – Pin with cotter pin



84.22030 – Mounting pins



IRON BALTIC

IRON BALTIC OÜ
Joa tee 17
Vääna 76903
Estonia / Europe

+372 6 533 711
sales@ironbaltic.com

www.ironbaltic.com
www.facebook.com/ironbaltic
www.youtube.com/user/ironbalticLtd

