

# IRON BALTIC

## ROAD GRADER

DOWNLOAD MULTILINGUAL  
USER MANUAL



[code.ironbaltic.com/u/2cb0uu6l](https://code.ironbaltic.com/u/2cb0uu6l)

Code 44.0000

Version 15012024



**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](mailto:sales@ironbaltic.com)



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Iron Baltic OÜ



# EC DECLARATION OF CONFORMITY

Manufactured by: Iron Baltic OÜ  
Address: Põldmäe tee 1, Vatsla 76915  
Product: **Roadgrader**  
Model: **44.0000**

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: 01.10.2019

A handwritten signature in black ink, appearing to be "Tiit Norak".

.....  
Tiit Norak  
Member of the Board

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# INTRODUCTION

Thank you for choosing Iron Baltic product. This manual contains the technical details of the roadgrader and instructions how to assemble, operate and maintain the product safely. Unnecessary use of the product can result economic damage and personal injury, so it is very important that the person who 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 products or their accessories. 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 roadgrader, 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 unnecessary accidents and follow the safety instructions given below.

## TRAINING

1. Read thoroughly the safety instructions and terms of use.
2. Never allow children to operate the vehicle or grader. Never allow adult persons to operate the vehicle or the grader if they have not received the proper training
3. Neither the vehicle nor the grader can be used while drunk or under the influence of drugs that affect perception or reaction.
4. Do not allow bystanders, children or animals into the work zone.



## PROHIBITED ACTIONS

- Never operate the grader on overly steep slopes.
- Never operate the grader without all the protective parts properly installed.
- Do not operate the grader before you have carefully read the whole operation manual.
- Never drive faster than 10km/h, or what the vehicle manufacturer recommends (the lower speed must be observed).
- Never carry any passenger on the grader.

## 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 grader.
- 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.
- Always remain clear of moving parts and joints.
- Check and tighten the bolts after the first working hour and then after every ten working hours.



**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 ROADGRADER 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 grader. 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

	Read the manual before use!
	Maximum permitted speed 10 km / h!
	It is forbidden to drive slopes over 10°!
	Make sure that all bystanders are at a safe distance while working with the roadgrader! Risk of collision!
	Avoid getting your hands and feet between moving parts!
	Make sure that all bystanders are at a safe distance while working with the grader! Risk of flying objects!

# PRODUCT DESCRIPTION

Iron Baltic ATV & UTV road grader is simple, durable and easy to use, meant for uncomplicated road improvement works or land planning. The grader is designed for ATVs and UTVs but can also be towed with a small tractor or any other vehicle equipped with a 50 mm / 2" hitch ball.

ATV & UTV road grader is equipped with a frame for adding extra weights to improve performance in tough terrain. The standard double-sided blade means the blade can be flipped and used again once one side has worn down. An optional Hardox 400 steel blade is available for more difficult conditions where extra durability is required.

The grader comes standard with manually adjustable wheels to lift and lower the blade. Two different versions of powered actuators and adjustable tow beam are available optionally. These combinations allow the height of the blade to be adjusted from the driver's seat making work faster and more convenient.

## Standard equipment :

- Roadgrader

## Optional extras :

- Electrohydraulic actuator or hydraulic power unit for adjustable tow beam.
- Strong Hardox 400 steel blade

<b>Product</b>	<b>Roadgrader</b>
<b>Model</b>	44.0000
<b>Dimensions</b>	1950 mm x 1800 mm x 720 mm
<b>Working width</b>	1800 mm
<b>Weight</b>	85 kg
<b>Max extra load on grader</b>	400kg
<b>Tires</b>	4,8 / 4,0 - 8

Table 1: Roadgrader technical data

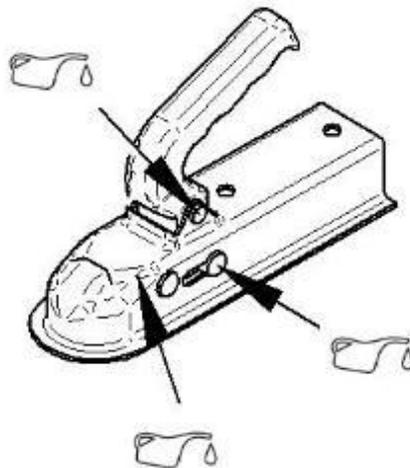
# USER GUIDE

- Read the safety instructions before driving!
- Check tow coupling connection to the tow beam before ride.
- Before ride, check is the towing coupling securly 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 manufacturer.
- The highest speed is 10km/h, or what the vehicle manufacturer recommends (the lower speed must be observed).

# MAINTENANCE

Maintenance activity:	Before and after work	Weekly	Monthly	Seasonally
Clean the roadgrader	•	•	•	•
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			•	•
Checking the wear rate of metal parts			•	•

- Always wash the roadgrader after use.
- Only change grader tire or blade on flat and hard surface.
- If the tow coupling moves difficultly, add oil to places showde on the diagramm or contact manufacturer or licenced reseller.



# FITTING INSTRUCTIONS

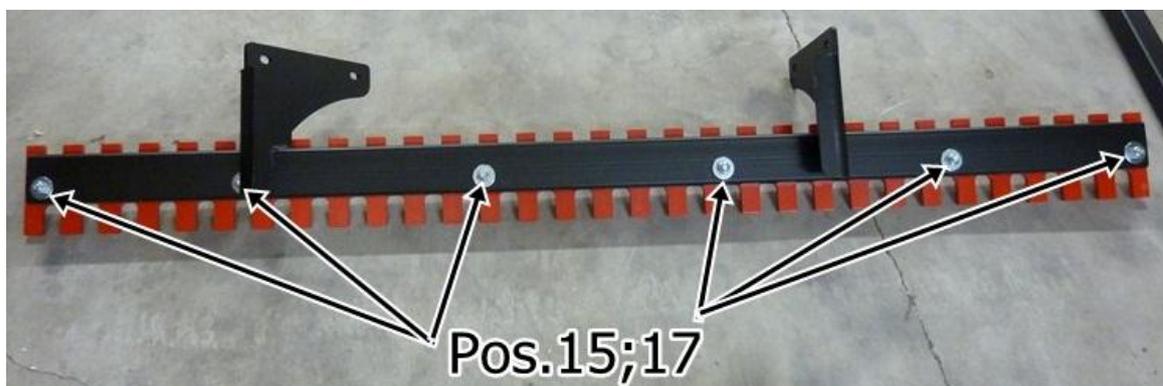
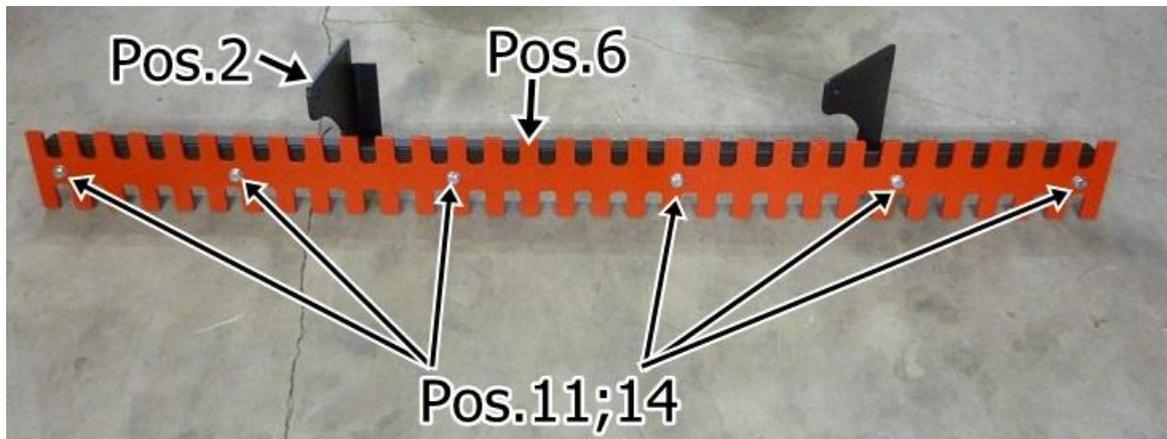
## Step 1

Install tow coupling to towbeam.



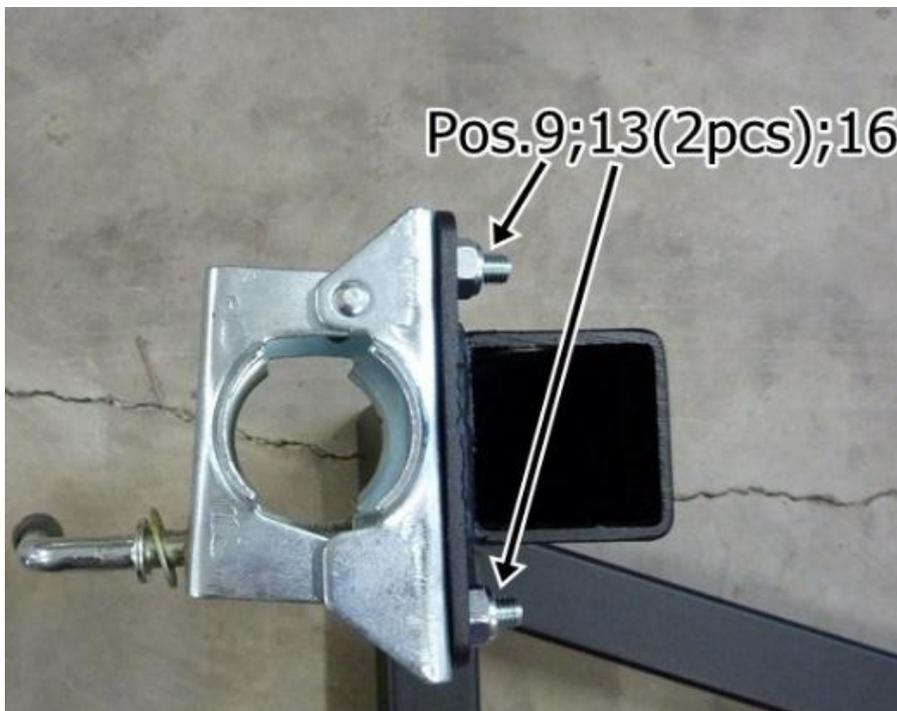
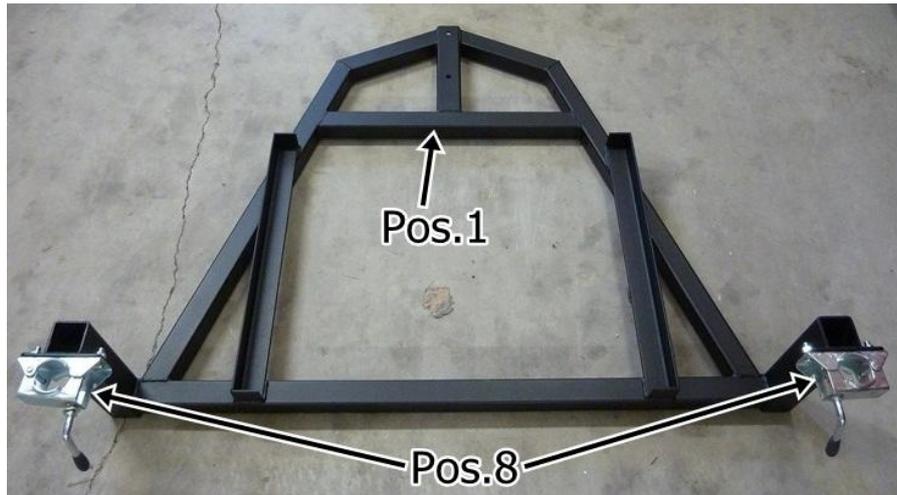
## Step 2

Install blade to the blade carrier



### Step 3

Install support leg clamps to the frame.



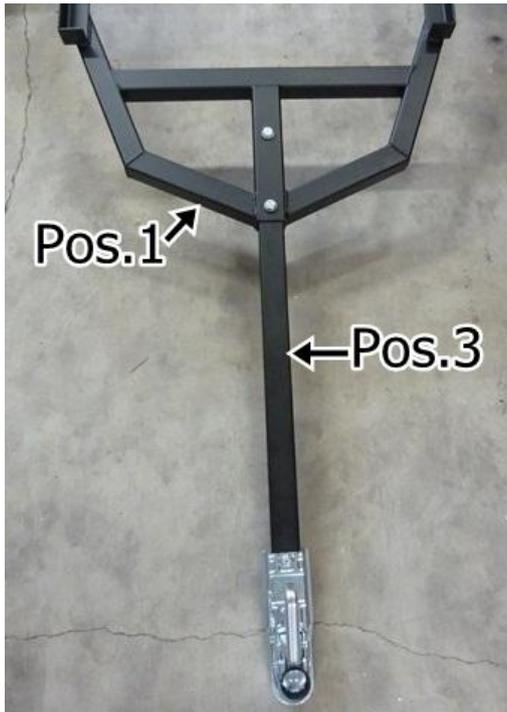
### Step 4

Install support legs to the frame.



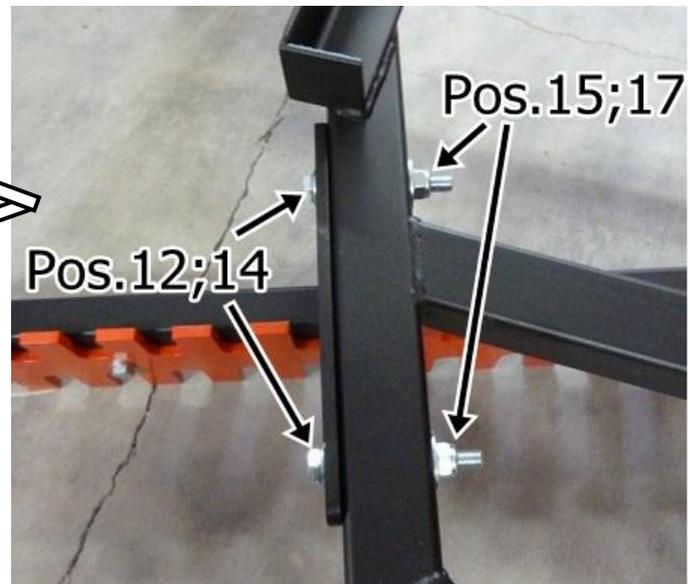
## Step 5

Install tow beam to the frame.



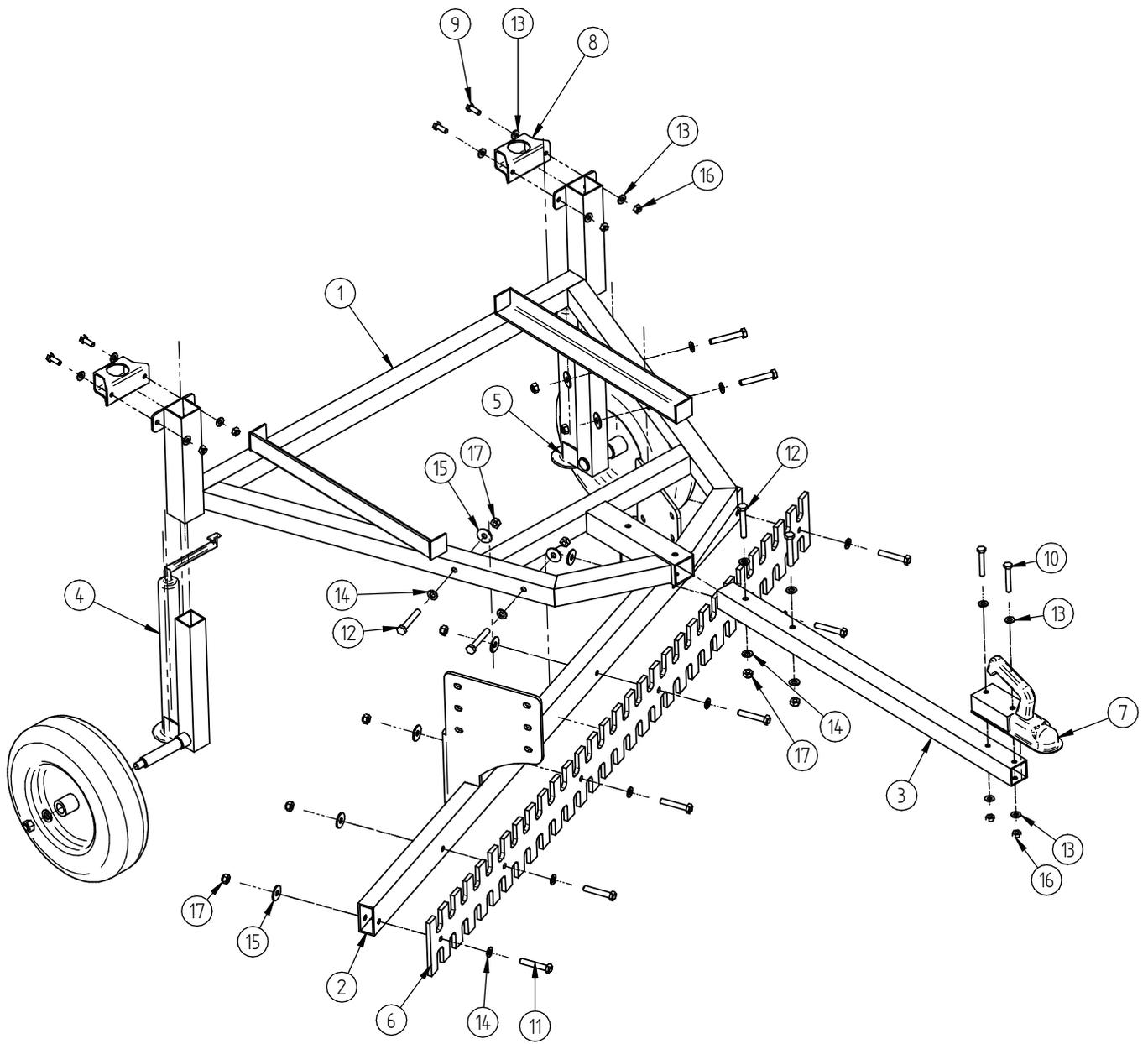
## Step 6

Install blade carrier to the frame. Choose the height of the blade accordingly to your ATV hitch height.



# SPECIFICATION

Pos.	Description	Code	Amount
1	Roadgrader frame	44.1001K	1
2	Blade carrier	44.1011K	1
3	Tow beam	44.1016	1
4	Support leg right	44.1014S	1
5	Support leg left	44.1015S	1
6	Blade	44.1017	1
7	Tow coupling 50mm	OT.10.02.020	1
8	Support leg clamp	OT.10.02.055	2
9	Bolt M10x30 DIN933	OT.02.02.320	4
10	Bolt M10x70 DIN931	OT.02.01.046	2
11	Bolt M12x70 DIN931	OT.02.01.110	6
12	Bolt M12x80 DIN931	OT.02.01.119	6
13	Washer M10 DIN125	OT.04.01.040	12
14	Washer M12 DIN125	OT.04.01.050	14
15	Washer M12 DIN9021	OT.04.02.060	10
16	Nyloc nut M10 DIN985	OT.03.02.050	6
17	Nyloc nut M12 DIN985	OT.03.02.060	12



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