



IGLAND

User manual

Tractor blades

RB 2245 / RB 2555 / RB 2870 / RB 30100



Read through the entire manual before using the product. It contains important safety information.



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Thank you for choosing a tractor cutter from IGLAND!

This user manual is designed to provide you with thorough information on the use, installation, safety, and maintenance of the equipment.

It is important that you read this manual carefully before using the machine.

The safety of our users is our highest priority. This manual contains important information on how to use the machine safely and avoid potential hazards.

To ensure your safety, we want you to be aware of and consider that accidents, misuse, and equipment failure can lead to dangerous situations. It is important that you position yourself during work so that any accident does not result in personal injury.

The instructions provided in this manual must always be followed. Careless or incorrect use can result in serious injury or death. Modifications or other alterations to the original design of the product are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.

For a valid warranty, please remember that the acceptance form supplied with the product must be returned within 14 days.

If you have any questions or need assistance, please contact our service center at +47 479 20 192. Always state the type, serial number, and year of manufacture when making inquiries and ordering parts.

We are here to help you have a safe and enjoyable user experience.

Product	
IG621002	RB 2245
IG620002	RB 2555
IG622002	RB 2870
IG623002	RB 30100

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AI-translated from the original user manual

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1. EXTRA EQUIPMENT

Igland RB 2245	
FACTORY-FITTED	
DESCRIPTION	PRODUCT NO.
Hydraulic boom control	IG620011
Hydraulic control of cutting blade	IG621012
Toothed wear steel	IG621013
Shock valve with accumulator (for IG620011 and IG621012)	IG620016

SPARE PARTS	
DESCRIPTION	PRODUCT NO.
3-point coupling	IG620020
Triangle quick coupling	IG620022
HMV quick coupling	IG620024
Adjustable support wheels, 4.00 x 8, 2 pcs.	IG620010
Adjustable support wheels, 5.00 x 8, 2 pcs.	IG621010
Snow throwing wing	IG621017
Extra shear bolt with nut & screw, only hyd. Cutter	IG620070
Set for hydraulic adjustment of cutting blade	IG621080
Set for hydraulic boom control	IG620090
Toothed wear steel	IG621033
Smooth wear steel	IG621032
Smooth wear steel	IG620032
Perforated wear steel	IG620035

Igland RB 2555	
FACTORY-ASSEMBLED	
DESCRIPTION	PRODUCT NO.
Hydraulic boom control	IG620011
Hydraulic control of cutting blade	IG620012
Toothed wear steel	IG620013
Shock valve with accumulator (for IG620011 and IG620012)	IG620016

SPARE PARTS	
DESCRIPTION	PRODUCT
3-point coupling	IG620020
Triangle quick coupling	IG620022
HMV quick coupling	IG620024
Adjustable support wheels, 5.00 x 8, 2 pcs.	IG621010
Adjustable support wheels, 6.00 x 9, 2 pcs.	IG622010
Adjustable truck support wheels, 6.00 x 9, 2 pcs.	IG622008
Snow plow blade	IG620017
Extra shear bolt with nut & screw, only hyd. Cutter	IG620070
Set for hydraulic adjustment of blade, (from SN1216 ->)	IG620080
Set for hydraulic boom adjustment	IG620090
Toothed wear steel	IG620033
Smooth wear steel	IG620032
Perforated wear steel	IG620035

Igland RB 2870	
FACTORY-ASSEMBLED	
DESCRIPTION	PRODUCT NO.
Hydraulic boom control	IG620011
Hydraulic control of cutting blade	IG622012
Toothed wear steel	IG622013
Shock valve with accumulator (for IG620011 and IG622012)	IG622013

Igland RB 30100	
FACTORY-ASSEMBLED	
DESCRIPTION	PRODUCT NO.
Hydraulic boom control	IG623011
Shock valve with accumulator (for IG623011)	IG623016
Toothed wear steel	IG623013

SPARE PARTS	
DESCRIPTION	PRODUCT NO.
3-point coupling	IG620020
Triangle quick coupling	IG620022
HMV quick coupling	IG620024
Adjustable support wheels, 5.00 x 8, 2 pcs	IG621010
Adjustable support wheels, 6.00 x 9, 2 pcs	IG622010
Adjustable truck support wheels, 6.00 x 9, 2 pcs.	IG622008
Snow plow blade	IG622017
Extra shear bolt with nut & screw, only hyd. Cutter	IG620070
Set for hydraulic adjustment of blade, (from SN 370 ->)	IG622080
Set for hydraulic boom adjustment	IG620090
Toothed wear steel	IG622033
Smooth wear steel	IG622032
Perforated wear steel	IG622035

SPARE PARTS	
DESCRIPTION	PRODUCT NO.
3-point coupling	IG623020
Triangle quick coupling	IG623022
HMV quick coupling	IG623025
Adjustable support wheels, 6.00 x 9, 2 pcs.	IG623010
Adjustable truck support wheels, 6.00 x 9, 2 pcs.	IG623008
Hydraulic control of a support wheel	IG623018
Set for hydraulic boom control	IG623014
Wear steel, smooth/serrated, reversible	IG623033
Wear steel, smooth/smooth, reversible	IG623032
Wear steel, perforated	IG623034



2. SAFETY INSTRUCTIONS

2.1 General safety instructions

To ensure safe use of the tractor cutter, it is important to follow our safety instructions carefully.

- **Read the user manual:** Before using the equipment, read and review the user manual carefully to understand proper use and maintenance.
- **Area of use:** Never use the product for tasks other than those for which it is designed. The manufacturer is not liable for damage or destruction caused by incorrect use of the equipment.
- **Safety distance:** Always observe safety distances and ensure that you maintain a safe distance from moving parts during operation.
- **Operation:** Familiarize yourself with the functions of the product. Ensure that only qualified and trained persons use the equipment.
- **Personal protective equipment:** Always wear the necessary personal protective equipment, including safety glasses, gloves, and safety shoes during operation.
- **Risk of crushing:** Be aware of the risk of crushing from all moving parts. There are crushing hazards when assembling the cutter, when mounting it on the tractor, and during operation.
- **Emergency preparedness:** Keep first aid equipment and emergency numbers readily available in case of an accident or emergency.
- **Modifications or other alterations** to the original design of the product are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.
- **Inspect the product** for signs of wear, damage, or loose parts and screws. Replace worn or damaged parts with components approved by the manufacturer. All damage must be repaired before the product can be used again.
- **Keep a record of maintenance and repairs** performed on the product.



2.2 Safe use

- **Follow safety rules and exercise the utmost caution** to limit and prevent accidents.
- **Only use the tractor cutter** for its intended purpose.
- **Ensure that the product is in good condition before use** and has undergone regular maintenance checks.
- **Always ensure that all warning signs** are visible and legible at all times.
- **Never stand** between the tractor and the implement.
- **Only one person** should operate the tractor cutter at a time.
- **Control levers** must only be used while the operator is seated in the tractor.
- **During transport,** the cutter must be locked with a locking bolt.
- **Never park with the cutter blade parallel to the boom.** This poses a high risk of tipping.
- **Be aware of the length of the cutter behind the tractor** and that it may protrude from the side of the tractor.
- **Ensure that all bystanders** are at a safe distance when the product is in use.
- **Avoid scarves and other loose clothing** that could get caught in moving parts.



- **Do not overload** the tractor blade's capacity and follow the manufacturer's recommendations. Be aware that the blade can steer the tractor.
- **Exercise extra caution** when driving on slippery surfaces.
- **Disconnect the power source** and clean the equipment after use.
- **Ensure that the machine is disconnected** from the power supply before performing maintenance or adjustments.

2.3 Storage

- Store the tractor cutter in a dry and secure place.
- Parking should be on a level and firm surface.
- Prevent children from climbing or playing on or near the tractor cutter.

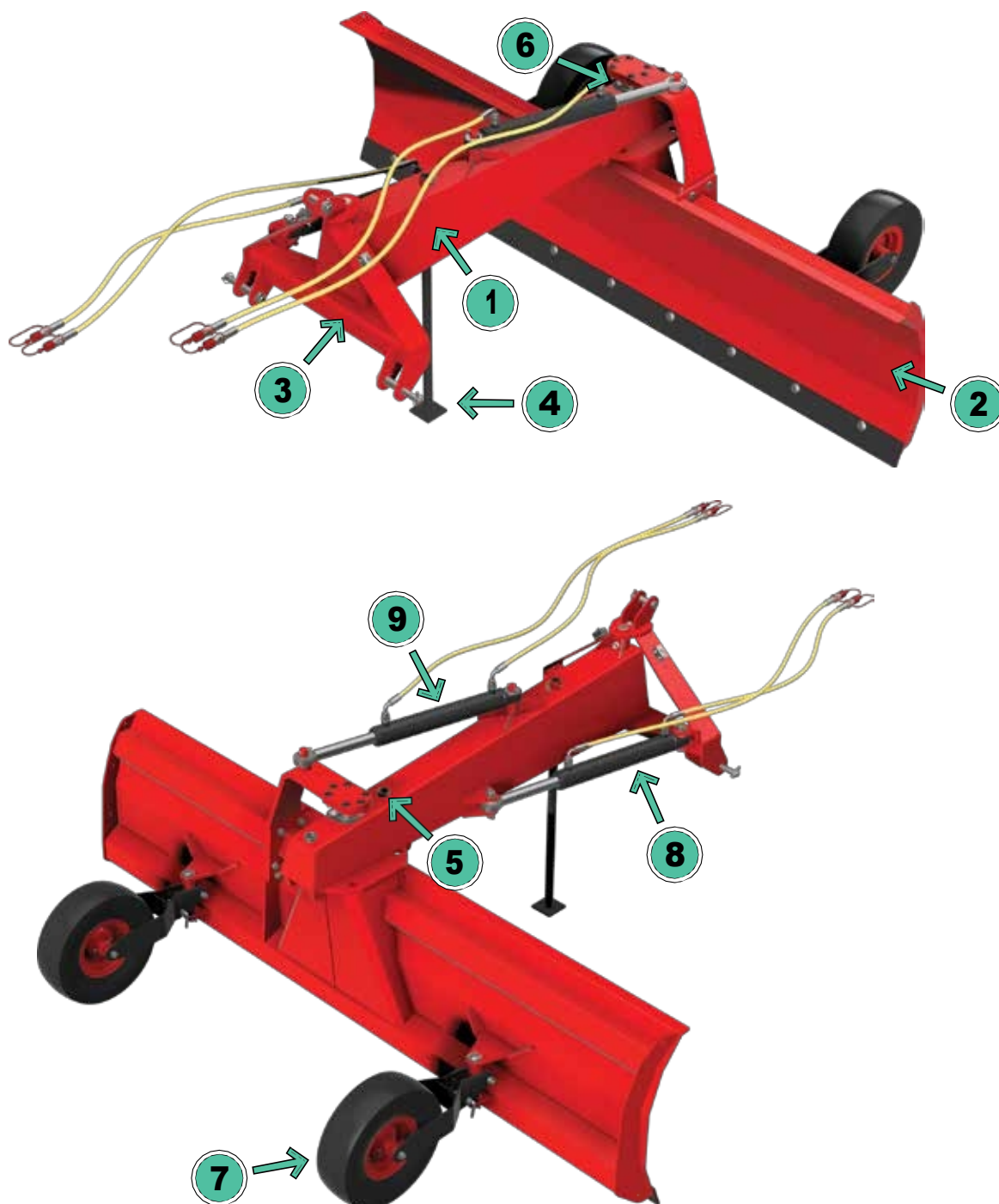


2.4 Checklist before use

- Always inspect the product for wear and damage before use. Any damage must be repaired by qualified personnel before the equipment is used again.
- Ensure that you have a full overview of the work area.
- Keep children and pets away from the work area.
- Check hydraulic hoses and couplings.
- Lubricate the machine as specified.
- Ensure that all moving parts are clean enough for use.
- Follow safety rules to limit and prevent accidents.



3. MAIN COMPONENTS



No. Main Components

- | | |
|------------------|----------------------------------|
| 1. Boom | 6. Break bolt |
| 2. Cutting blade | 7. Wheel |
| 3. 3-point hitch | 8. Cylinder for boom adjustment |
| 4. Support legs | 9. Cylinder for blade adjustment |
| 5. Locking bolt | |

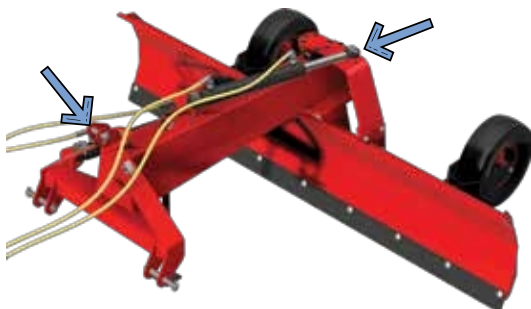
4. TECHNICAL SPECIFICATIONS

	RB 2245	RB 2555	RB 2870	RB 30100
Tractor size	36-65 hp	55-85 hp	80-125 hp	120 -> hp
Width	2.2 m	2.5 m	2.7 m	3.0 m
Height, cutting blade	0.45 m	0.55 m	0.7 m	1.0/0.7 m
Length, boom	1.5 m	1.65 m	1.8 m	1.9 m
Weight	200 kg	270 kg	300 kg	880 kg

5. ASSEMBLY

5.1 Assembling the blade

The blade is lifted using straps around the boom.



5.11 Recommended strap points

Lift the cutter off the pallet and turn the cutter blade so that it is at a 90-degree angle to the boom. Fit the parking leg with the locking pin and place the cutter on a flat, firm surface.

Mount the 3-point, HMT, or triangle attachment with the bolt at the front of the boom. The bolt is locked with a screw.



5.12 Bolt to mounting frame

Fit the strut or cylinder for boom adjustment.

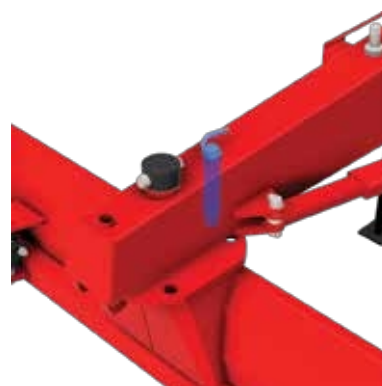


5.13 Strut for mechanical adjustment of boom



5.14 Cylinder for hydraulic adjustment of the boom

Fit the bolt or cylinder for turning the cutting blade.



5.15 Locking bolt for cutting blade



5.16 Cylinder for swiveling the cutting blade

Shock valve for RB 2245 - RB 2555 - RB 2870

Shock valve with holder is mounted on the cylinder. V1 is connected to the cylinder's positive port and V2 is connected to the negative port.

Shock valve for RB 30100

Shock valves are mounted in a separate holder on the boom. For the cylinder for boom swing, connect V1 to plus and V2 to minus on the cylinder. For cutting blade swing, connect V1 to minus and V2 to plus.

Install any wheels.

5.2 Connection to tractor

Take care during installation!

Connect the drawbars with the desired category of bolts. Or connect any quick couplings.

Install the top link. A hydraulic top link is recommended if the working height needs to be adjusted during use.

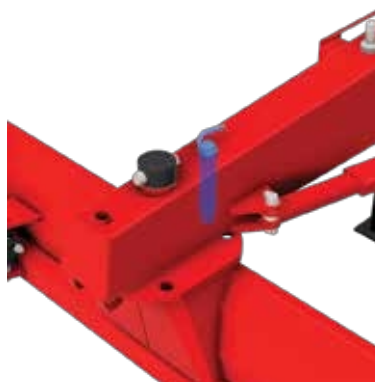
Adjust the tractor's tilt if necessary. Connect any hoses to the tractor's tilt outlet. Remove the locking pin in the support leg and lift it up.

Check the tire pressure (5 BAR) (Option).

Follow the instructions of the authorities and comply with traffic regulations.

6.2 Adjusting the cutting blade

Mechanical: remove the bolt and turn the blade to the desired angle. Beware of crushing hazards! Never walk or work under the raised implement.



6.2.1 Mechanical adjustment of the cutting blade

The hydraulically adjustable blade is operated using the tractor's hydraulic outlet.

6. OPERATION

Operation and adjustment vary between different models and equipment levels.

Adjust the speed to the conditions and the amount of snow/gravel.

6.1 Adjusting the working height

The desired wheel height is adjusted using a bolt or tensioner.



6.1.1 Adjusting the wheels. Right figure: RB 30100

Finally, adjust the length of the top stay.

Check that the shear bolt is intact!

6.3 Adjusting the boom

Mechanical: Remove the cotter pin and bolt and swing the boom to the desired angle. Beware of crushing hazards! Never walk or work under the raised implement.



6.2.2 Mechanical adjustment of the boom

The hydraulically adjustable boom is operated using the tractor's hydraulic outlet.

Adjust your speed according to the conditions and the amount of snow/gravel. Avoid manhole covers, curbs, etc.

Adjust the top link to regulate the working height while driving.

Rotate the blade 180 degrees to push the material backwards. NB! Limited visibility, drive carefully. Readjust the working height if necessary.

7. MAINTENANCE

7.1 Service table

RB 2245

Interval	Component	Description
First 10 hours	Screws and nuts	Retighten
	Breaking bolt	Retighten to 540 Nm
	Wheels (optional)	Check air pressure, 5 bar
Every 10 hours	Sliding surfaces	Lubricate with oil
	Lubrication points	Lubricate with grease
Every 50 hours	Moving parts	Lubricate with oil
	Wheels (optional)	Check air pressure, 5 bar
"Every 100 hours / Annually"	Screws and nuts	Retighten
	Shear bolt	Retighten to 540 Nm

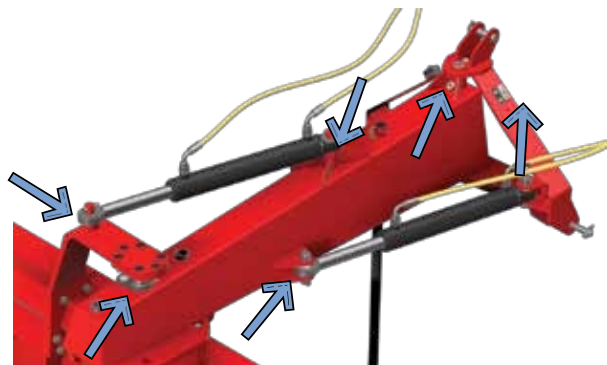
RB 2555 - RB 2870 - RB 30100

Interval	Component	Description
First 10 hours	Screws and nuts	Retighten
	Shear bolt	Retightened to 540 Nm
	M12 10.9 bolts on swing arm	Retighten to 130 Nm
	MF16 10.9 bolts on swing arm	Retighten to 315 Nm
	Wheels (optional)	Check air pressure, 5 bar
Every 10 hours	Sliding surfaces	Lubricate with oil
	Lubrication points	Lubricate with grease
Every 50 hours	Moving parts	Lubricate with oil
	Wheels (optional)	Check air pressure, 5 bar
"Every 100 hours / Annually"	Screws and nuts	Retighten
	Shear bolt	Retighten to 540 Nm
	M12 10.9 bolts on swing arm	Retighten to 130 Nm
	MF16 10.9 bolts on swing arm	Retighten to 315 Nm

7.2 Maintenance points

The desired wheel height is adjusted using a bolt or tensioner.

All grease nipples are lubricated weekly with grease. Lubrication points may vary depending on model and optional equipment.



7.2.1 Lubrication points

For **RB 30100** only:



8. STORAGE

Adjust the cutter 90 degrees on the boom so that it stands firmly.

Adjust any wheels so that the blade rests on the wear steel when parked.

Take care when dismantling.

For long-term storage, lubricate the rod on the hydraulic cylinder with protective grease.



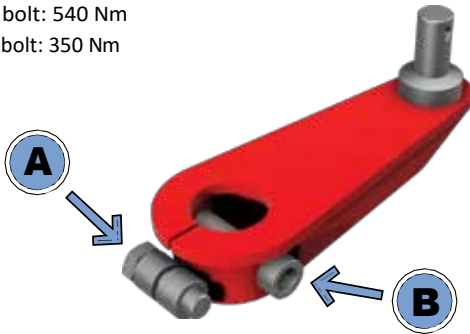
722 Lubrication points, RB 30100

7.3 Tightening torques for blade attachment

RB 2245 - only with hydraulic blade adjustment.

A bolt: 540 Nm

B bolt: 350 Nm



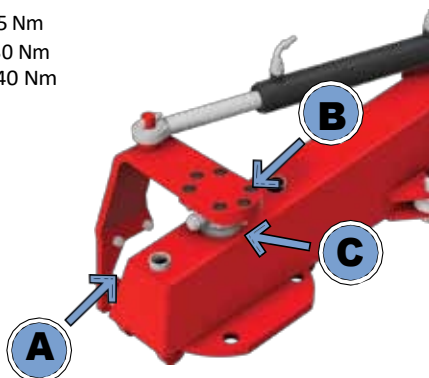
731 Bolts with tightening torque

RB 2555 - RB 2870 - RB 30100

A bolt: 315 Nm

B bolt: 130 Nm

C bolt: 540 Nm



732 Bolts with tightening torque

NOTES

NOTES



IGLAND Workshop and Service Center

Our Workshop and Service Center in Mandal provides technical support for all our products.

We service and repair older and well-used winches.
This extends the service life of the products and is good for the environment.

Do you need:

Technical support for timber trailers

Accessories or additional equipment

An appointment for service or repair of your winch
Call our service office on +47 372 56 200

Email: service.igland@nosted.com

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