



IGLAND

User manual

Wood Splitter

WS 65 / WS 90



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



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Thank you for choosing a wood splitter from IGLAND!

This user manual is designed to provide you with comprehensive 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	
IG502010	WS 65
IG502210	WS 90

Revised	March 14, 2024
Published	June 22, 2023
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AI-translated from the original user manual

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1. EXTRA EQUIPMENT

DESCRIPTION	PRODUCT NO.	
	WS 65	WS 90
6-piece knife	IG502020	IG502220
Triangle quick coupling	IG143210	IG143210
HMV quick coupling	IG143170	IG143170
Plug for John Deere closed center (Before S/N: xxx)	IG502031	IG502031
Plug for John Deere closed center (after serial no.: xxx)	IG502091	IG502091
Cube table	IG502015	IG502015
Large bag rack for Euro pallets	IG500082	IG500082
Bag rack/trolley for 2 x 60/80 l small bags	IG500083	IG500083
Tool box	IG502018	IG502018



2. SAFETY INSTRUCTIONS

2.1 General safety instructions

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

- **Read the user manual:** Before using the log splitter and any accessories, read and review the user manual carefully to understand proper use and maintenance.
- **Area of use:** Never use the log splitter for tasks other than those for which it is designed. The manufacturer is not liable for damage or destruction caused by misuse 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 thoroughly with the controls and functions of the log splitter. Ensure that only qualified and trained persons use the equipment.
- **Personal protective equipment:** Always wear the necessary personal protective equipment, including a helmet, ear protection, safety glasses, gloves, and safety shoes during operation.
- **Risk of crushing:** Be aware of the risk of crushing from all moving parts and when connecting to a tractor.
- **Risk of tipping:** Always be aware of the risk of tipping. This also applies when connecting to a tractor.
- **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 result in loss of warranty.
- **Inspect the log splitter and its components regularly** 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 log splitter can be used again.
- **Keep a record of maintenance and repairs.** performed on the wood splitter.



2.2 Safe use of th

- **Follow safety rules and exercise the utmost caution** to limit and prevent accidents.
- **Only use the log splitter** for its intended purpose.
- **Ensure that the equipment you use is in good condition** and has undergone regular maintenance checks.
- **Keep the work area** clean and well lit.
- **Ensure that all bystanders** are at a safe distance, at least 5 m, when the wood splitter is in use.
- **Ensure that the wood splitter is stable** and secured on a flat surface.
- **The operator must not have any physical limitations** that prevent safe use of the equipment.
- **Avoid scarves and other loose clothing** that could get caught in moving parts.



- **Only one person** should operate the log splitter at a time.
- **Do not overload** the wood splitter's capacity.
- **The maximum permissible oil pressure** is 200 bar. This must not be changed.
- **The logs must always be lying down.** Never standing up.



- **Maximum log length** 60 cm.
- **Maximum log diameter** 50 cm.
- **Pay attention to the condition of the timber.** Knots or uneven grain structure can affect the splitting of the timber.
- **Never** leave the machine when it is running.
- **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 log splitter in a dry and secure place.
- Prevent children from climbing or playing on or near the log splitter.



2.4 Checklist before use

- Always inspect the log splitter 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 the 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.



MAIN COMPONENTS

**No. Main components**

- | | |
|-----------------------|-----------------------|
| 1. Cylinder | 5. Leg |
| 2. Pallet fork pocket | 6. 3-point attachment |
| 3. Cube magazine | 7. Knife |
| 4. Control levers | 8. Clutch |

4. TECHNICAL SPECIFICATIONS

Igland WS 65	
Max splitting force, power strokes	6.5 tons
Max splitting force, fast cycle	4 tons
Maximum pressure	200 bar
Recommended oil quantity	20-70 L/min
Blade (standard)	2/4-way
Blade adjustment	Mechanical
Cutting length	20-65 cm
Mounting (standard)	3-point
Weight	165 kg

Igland WS 90	
Max splitting force, power strokes	9 tons
Max splitting force, fast speed	4 tons
Maximum pressure	200 bar
Recommended oil quantity	20-70 L/min
Blade (standard)	2/4-way
Blade adjustment	Hydraulic
Cutting length	20-65 cm
Attachment (standard)	3-point
Weight	205 kg

5. ASSEMBLY

If the machine is not delivered fully assembled, it must be mounted on its legs before use. Be careful when lifting the log splitter during assembly.

Place the legs on a flat surface and attach the strut between them loosely with a screw and nut at each end. Lift the splitter onto the legs. Make sure that all the 3-point attachments are on the same side. Attach the splitter to the legs with 4 screws and nuts (2 on each leg). Finally, tighten all the screws.



5.1 Leg screws

5.1 Kubbe table (optional extra)

Insert the mounting bracket into the pocket of the pallet fork. Secure the table with locking pins on the back.

5.2 Tool box (optional)

Remove the strut between the legs of the log splitter by loosening the screws at both ends. Place the box and secure it with the two screws provided.

5.3 Quick coupler (optional)

The HMV or triangle quick coupler is attached to the splitter's 3-point hitch.

5.4 Connection to a tractor

The machine is attached to the tractor's 3-point hitch or any quick couplings (optional).

Lower the machine onto a level and firm surface. Never use the machine when it is lifted off the ground.

Stop the engine before connecting the hydraulics.

Connect the return hose (blue cap) to the tractor's tipping outlet or free return (recommended).

Connect the pressure hose (red cap) to the tractor's tilt outlet. Image of hose with blue and red caps.

For older John Deere tractors with CLOSED CENTER hydraulics, see the parts catalog or contact your supplier.

6. OPERATION

Start the tractor, activate the oil supply.

If the pusher moves even though the levers are in neutral, the oil flow is incorrect. Reverse the direction of the oil flow.

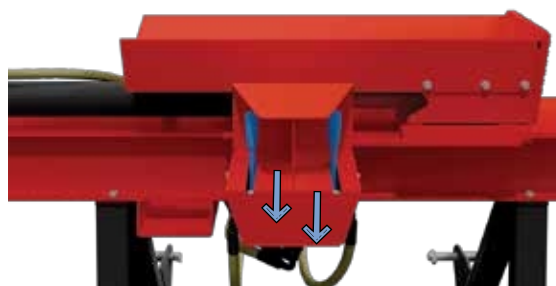
Check the function before using the splitter with wood.

Place a log in the splitting table.

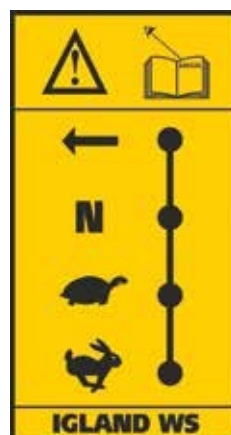


6.1 Log on the splitting table

Pull the levers toward you. NB Always use both hands to operate the machine!



6.2 Lever operation



6.3 Illustration of the position of the levers

Pull the levers halfway to select power mode, or all the way to select fast mode.

Hold the levers until the pusher has pushed the logs into the log catcher.

Release the levers after splitting so that the splitter returns.

Large pieces of wood can be split again to achieve the desired size.

If the log gets stuck: Return the pusher, stop the power source, and loosen the log with a sledgehammer.

Avoid overfilling the wood catcher. Too much wood can make the wood splitter unstable.

7. ADJUSTMENT

7.1 Stroke length adjustment

Stop the oil supply from the tractor before adjusting the stroke length.

Loosen the set screw on the ring and fasten it in the desired position, leaving at least 5 cm clearance to the log.

After adjustment, test run the machine without wood.



7.1.1 Stroke length adjustment

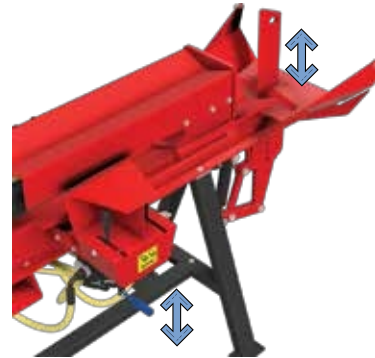
7.2 Adjusting the blade o

The blade on the WS 65 is adjusted manually. Remove the locking pin and bolt, and place the blade at the desired height.



721 Mechanical blade adjustment

The blade on the WS 90 is adjusted hydraulically using the lever under the 2-hand control.



722 Hydraulic blade adjustment

The thickness of the wood is adjusted by raising/lowering the knife. Lower the knife to its lowest point to split the logs into two pieces.

7.3 Changing to a blade for 6-way splitting

(optional) Remove the bolt for height adjustment (WS 65) or unscrew the screw at the bottom of the blade (WS 90). Pull the blade out completely and place 6-piece knife. Secure the knife with the respective bolt or screw.



731 Attaching the blade to the WS 65



732 Attaching the blade to the WS 90

8. MAINTENANCE

8.1 Service table

Interval	Component	Description
First 10 hours	Screws and nuts	Retighten
Every 10 hours	Sliding surfaces	Lubricate with oil
Every 50 hours	Moving parts	Lubricate with oil
"Every 100 hours / Annually"	Screws and nuts	Retighten

8.2 Maintenance points

For all types of maintenance, the power source must be switched off.



8.2.1 Sliding surfaces



8.2.2 Lubrication points WS 90

The knife can be sharpened with a file or angle grinder if necessary.

In the event of an oil leak in the cylinder, contact the supplier for a gasket set.

9. STORAGE

Park the machine on a level and firm surface.

At the end of the season, adjust the length control so that the piston is fully retracted into the cylinder. Lubricate the machine according to the maintenance instructions. Repair any surfaces with missing paint or lubricate them to protect against rust.

#10. TRANSPORT

Always fold up the grapple before transport. Normal transport is carried out using the tractor's 3-point hitch.



10.1 3-point

Short distances can be covered using the pallet fork in the pocket.



10.2 Pocket for pallet fork



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 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

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