



IGLAND

User manual

Sand spreaders

DS 600 / DS 800 / DS 1400 / DS 1600



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



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Thank you for choosing a sand spreader from IGLAND!

This user manual is designed to provide you with detailed information about 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 top 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 given in this manual must always be followed. Careless or incorrect use can lead to 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	
IG611100	Igland DS 600
IG610000	Igland DS 800
IG611000	Igland DS 1400
IG611200	Igland DS 1600

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#	TABLE OF CONTENTS	PAGE
1.	Optional equipment	4
2.	Safety instructions	5
2.1.	General safety instructions	5
2.2.	Safe use	5
2.3.	Parking and storage	5
2.4.	Inspection and maintenance	5
3.	Main components	6
4.	Technical specifications	7
4.1.	Igland DS 600 sand spreader	7
4.2.	Igland DS 800 sand spreader	7
4.3.	Igland DS 1400 sand spreader	7
4.4.	Igland DS 1600 sand spreader	7
5.	Assembly and preparation	8
6.	Use of equipment	8
6.1.	Filling the sand spreader	8
6.2.	Adjusting the spread rate	8
7.	Maintenance	9

1. OPTIONAL EQUIPMENT

PRODUCT NO.	DESCRIPTION	DS 600	DS 800	DS 1400	DS 1600
IG500063	3-point mounting	X	X		
IG500059	Triangle coupling for Lyng Triangle	X	X		
IG500066	3-point hitch - front mounted, Cat. II	X		X	X
IG500056	Combination HMV and SMS connection	X	X		
IG500062	Combination mount, Euro coupling	X	X		
IG500053	Mount, Ålö type 3 coupling	X	X		
IG500050	Fastening, SMS coupling	X	X		
IG500061	Mounting, Euro (JD) - coupling	X	X		
IG610005	Output speed adjustment valve (factory-fitted only)	X	X	X	X
IG610006	Output speed adjustment valve (for retrofitting)	X	X	X	X
IG610010	Cover plate, for 50% lower spreading width	X	X	X	X
IG611007	Triangle coupling			X	X
IG611205	HMV coupling			X	X
IG611109	Rain cover DS 600	X			
IG610009	Rain cover DS 800		X		
IG611009	Rain cover DS 1400			X	
IG611209	Rain cover DS 1600				X



2. SAFETY INSTRUCTIONS

2.1 General safety instructions To ensure safe use of the sand spreader, it is important to follow our safety instructions carefully.

- **Read the user manual:** Before using the product and any additional equipment, read and review the user manual carefully to understand proper use and maintenance.
- **Area of use:** The sand spreader is manufactured for spreading sand and gravel. The manufacturer is not liable for damage or destruction caused by incorrect use of the equipment.
- **Safe working distance:** Always observe safety distances.
- **Personal protective equipment:** Always wear the necessary personal protective equipment, including a helmet, ear protection, safety goggles, gloves, and safety shoes during operation.
- **Keep a first aid kit** available on site.
- **Modifications or other interventions** in the original design of the product are made at your own risk and responsibility. It is important to note that any modification or conversion of the product will result in loss of warranty.
- **Risk of crushing injury:** Be aware of the risk of crushing injury from all moving parts. This also applies when connecting the equipment.

2.2 Safe use of th

To ensure your safety, please observe the following points.

- **Keep a safe distance from moving parts** and be aware of the risk of crushing injuries.
- **Never wear loose clothing** such as scarves, shawls, long coats, etc.
- **Never stand** between the tractor wheels and the sand spreader.
- **Emergency stop:** Familiarize yourself with the emergency stop procedures for the tractor and sand spreader.
- **Keep children and animals** away from the work area.
- **Do not start the tractor** or wheel loader with the hydraulic outlet activated.
- **Do not use the machine** if any components are missing or defective.
- **Never perform maintenance** or adjustments while the power supply (tractor) is running.

- **Be aware of weight distribution and stability** when loading and driving the machine.
- **Be aware of slippery roads and limited visibility.**
- **Always keep at least 20%** of the total weight on the front wheels.
- **Never work under a lifted product** unless it is mechanically secured against falling.



2.3 Parking and storage

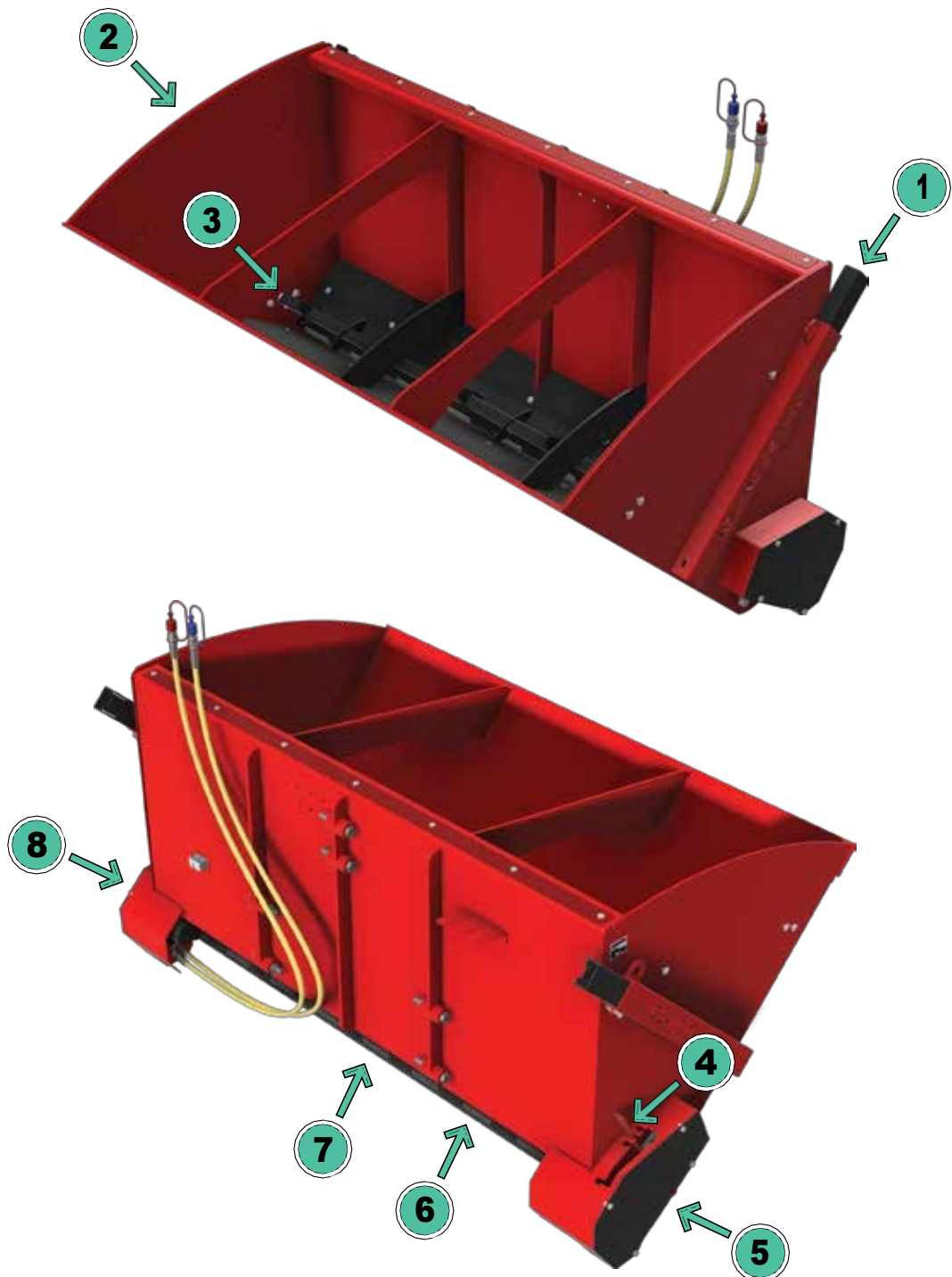
- Park on firm, level ground when storing the product.
- Before leaving the machine unattended, lower the sand spreader to the ground, engage the brake, and turn off the power supply.
- Keep the machine free of snow and ice before parking.
- Do not leave the machine with damp sand in it until the next day.
- Store the product in a dry place.
- Do not fill the machine when it is parked, or park a filled machine.

2.4 Inspection and scheduled maintenance

- Follow the manufacturer's guidelines for scheduled maintenance and replacement of parts.
- Perform regular inspections of the sand spreader and check the product for wear or other damage that could affect operation and safety. Any damage must be repaired by qualified personnel before the product can be used again.
- Check and, if necessary, retighten loose bolts.
- Check that hoses and couplings are not damaged or defective.
- Never use non-original shear bolts/safety bolts.



MAIN COMPONENTS



No. Main components

- | | |
|------------------|--------------------|
| 1. Parking legs | 5. Cover |
| 2. Sandbox | 6. U-shaped groove |
| 3. Agitator | 7. Rubber flaps |
| 4. Control lever | 8. Hydraulic motor |

4. TECHNICAL SPECIFICATIONS

Igland DS 600	
Capacity	600
Spreading width	1.5 m
Height / width / length	90 / 170 / 95 cm
Weight	300 kg

Common specifications	
Operation	Hydraulic
Maximum permissible oil pressure	210 bar
Maximum permissible oil flow	60 L/min
Maximum grain size	4 mm

Igland DS 800	
Capacity	800 L
Spreading width	2.0
Height/width/length	90 / 220 / 95 cm
Weight	360 kg

Igland DS 1400	
Capacity	1400 L
Spreading width	2.0
Height/width/length	115 / 220 / 112 cm
Weight	450 kg

Igland DS 1600	
Capacity	1600 L
Spreading width	2.2 m
Height/width/length	115 / 240 / 112 cm
Weight	520 kg

5. ASSEMBLY AND PRE

1. Attach the implement mounting bracket to the sand spreader using 4 or 6 bolts. Attach the sand spreader to a tractor or wheel loader using the 3-point hitch or selected quick coupler.
2. Remove the locking pin for the parking leg, pull out the handle, and push the parking leg up. Secure it in place using the handle and pin.



5.1 Locking pin for parking leg

3. The hose with the red cap is for pressure, while the hose with the blue cap is for return/tank.
4. Test and familiarize yourself with all machine functions without sand in the hopper.
5. Ensure that all warning signs are visible and legible at all times.
6. Before using the sand spreader, inspect all covers to ensure that they are functioning properly and are positioned correctly.

6. USE OF THE EQUIPMENT

6.1 Filling the sand spreader

Fill the sand spreader with sand and/or gravel with a maximum grain size of 3-4 mm.

To fill the sand spreader, tilt it downwards and drive into the sand pile like a shovel. Pay attention to the hydraulic hoses when tilting the machine!

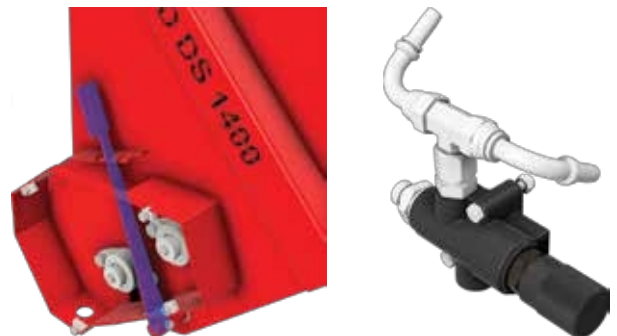
Alternatively, you can use other suitable equipment to fill the machine in an upright position.

Apply hydraulic pressure to the sand spreader to start feeding.

6.2 Adjusting the spread rate of the

1. Regulate the oil flow or engine speed on the tractor or wheel loader to control the speed of the discharge roller.
2. Use the spread rate adjustment lever, which has 5 different settings.
3. If equipped with an oil control valve (optional), adjust the oil flow to control the speed of the discharge roller.

Always monitor the hydraulic hoses when using the machine and make any necessary adjustments to ensure optimum performance.



6.2.1 Adjusting the spread rate

7. E MAINTENANCE

- Lower the sand spreader and turn off the tractor or wheel loader before performing maintenance tasks.
- Remove the covers on both sides of the sand spreader to access the chain and bearings.
- Lubricate the chain with grease or thick oil on a weekly basis.



7.1 Chain

- Apply grease to the bearings and other moving parts every week.



7.2 Ball bearings

- After the first day of use, tighten all bolts. Then check and tighten the bolts annually.
- Clean and rinse the sand spreader after each use. Lubricate the machine after washing to prevent rust and maintain optimal performance.
- Before storing, lubricate the machine. For long-term storage, repaint or lubricate surfaces where the paint has worn off to protect the equipment from rust.

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 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 a

winch Call our service office on +47 372 56 200

Email: service.igland@nosted.com

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