

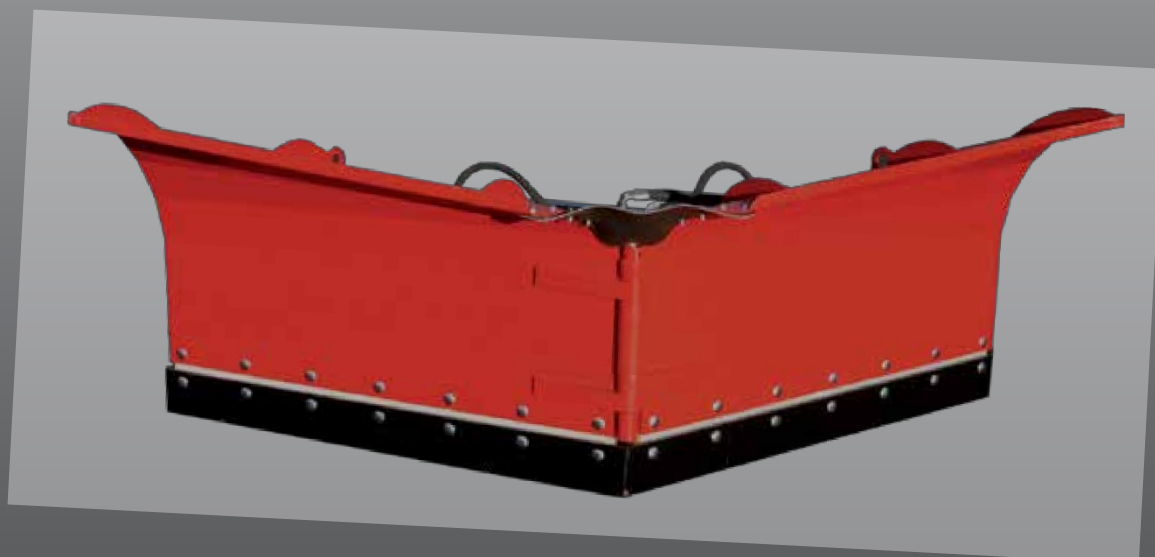


IGLAND

User manual

V-plow

SP 180 / 220 / 250 / 280 / 310



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



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Thank you for choosing a snow plow 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.

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	
IG643000	SP 180
IG643200	SP 220
IG640002	SP 250
IG641002	SP 280
IG642002	SP 310

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AI-translated from the original user manual

# TABLE OF CONTENTS	PAGE
1. Optional accessories	4
1.1. Igland SP 180/ 220/ 250/ 280/ 310	4
2. Safety instructions	5
2.1. General safety instructions	5
2.2. Safe use	5
2.3. Storage	6
2.4. Checklist before use	6
3. Main components	7
4. Technical specifications	8
4.1. Igland SP 180/ 220/ 250/ 280/ 310	8
5. Installation and preparation	9
5.1. Preparation	9
5.2. Mounting on the tractor	9
6. Use and operation	10
6.1. General use	10
6.2. Operating the plow blades	10
7. Maintenance and storage	11
7.1. Service schedule	11
7.2. Lubrication points	11

1. EXTRA EQUIPMENT

SP 180/220	
EXTRA EQUIPMENT FOR MINI LOADER	
DESCRIPTION	PRODUCT NO.
Weidemann attachment (only in conjunction with 640018)	IG500049
Scan frame connector	IG643008
Floating bracket with coupling bracket for Scan frame	IG643009
Coupling bracket for Avant and Multione	IG643010
Floating bracket with coupling bracket for Avant and Multione	IG643011
Floating attachment with coupling bracket for Kramer 180-350-5035	IG643070
Electric control with shock valve and parallel function, factory-fitted	IG640012
Electric control with shock valve and parallel function, for retrofitting	IG640014
EXTRA EQUIPMENT FOR TRACTOR LOADERS	
DESCRIPTION	PRODUCT NO.
Spacer - required	IG640018
Floating bracket	IG640010
Triangle coupling for Lyng Triangle	IG500059
3-point attachment - front mounted, Cat. II	IG500066
Combi HMV and SMS coupling	IG500056
Combination hitch, Euro coupling	IG500062
Fastener, Ålö type 3 coupling	IG500053
Fastener, SMS coupling	IG500050
Mounting bracket, Euro (JD) coupling	IG500061
Electric control with shock valve and parallel function, factory-fitted	IG640012
Electric control with shock valve and parallel function, for retrofitting	IG640014
Wear steel, set - Right/left SP 180	IG643030
Wear steel, set - Right/left SP 220	IG643230

SP 250/ 280/ 310	
DESCRIPTION	PRODUCT NO.
Floating bracket	IG640010
Triangle coupling for Lyng Triangle	IG500059
3-point attachment - front mounted, Cat. II	IG500066
Combi HMV and SMS coupling	IG500056
Combination hitch, Euro coupling	IG500062
Mount, Ålö type 3 coupling	IG500053
Fastening, SMS - coupling	IG500050
Mounting, Euro (JD) - coupling	IG500061
Attachment, for JCB 409/Zettelmeyer/Volvo L30	IG500054
Mounting for Volvo BM - "large"	IG500055
Attachment for Skid Steer (Bobcat)	IG500064
Attachment for Atlas 65	IG500045
Attachment for Weidemann Hoftrac 1380	IG500049
Wear steel, set - Right/left SP 250	IG640020
Wear steel, set - Right/left SP 280	IG641020
Wear steel, set - Right/left SP 310	IG642014



2. SAFETY INSTRUCTIONS

2.1 General safety instructions

To ensure safe use of the snow plow, 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 equipment is designed for snow removal and regular plowing of open areas, roads, and walkways. 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 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.
- **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.
- **Before an overview of maintenance and repairs** performed on the product.

2.2 Safe use

To ensure your safety, please observe the following points.

- **Follow safety rules and exercise the utmost caution** to limit and prevent accidents.
- **Ensure that the product is in good condition before use** and has undergone regular maintenance checks.
- **Ensure that connections** are made safely.
- **Always ensure that all warning signs** are visible and legible at all times.
- **Never stand** between the tractor and the implement.
- **Operation** must only be carried out while the operator is seated inside the tractor.
- **Ensure that all bystanders** are at a safe distance when the product is in use.
- **Avoid wearing scarves and other loose clothing** that could get caught in moving parts.
- **Do not overload** the snow plow's capacity and always follow the manufacturer's recommendations.
- **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

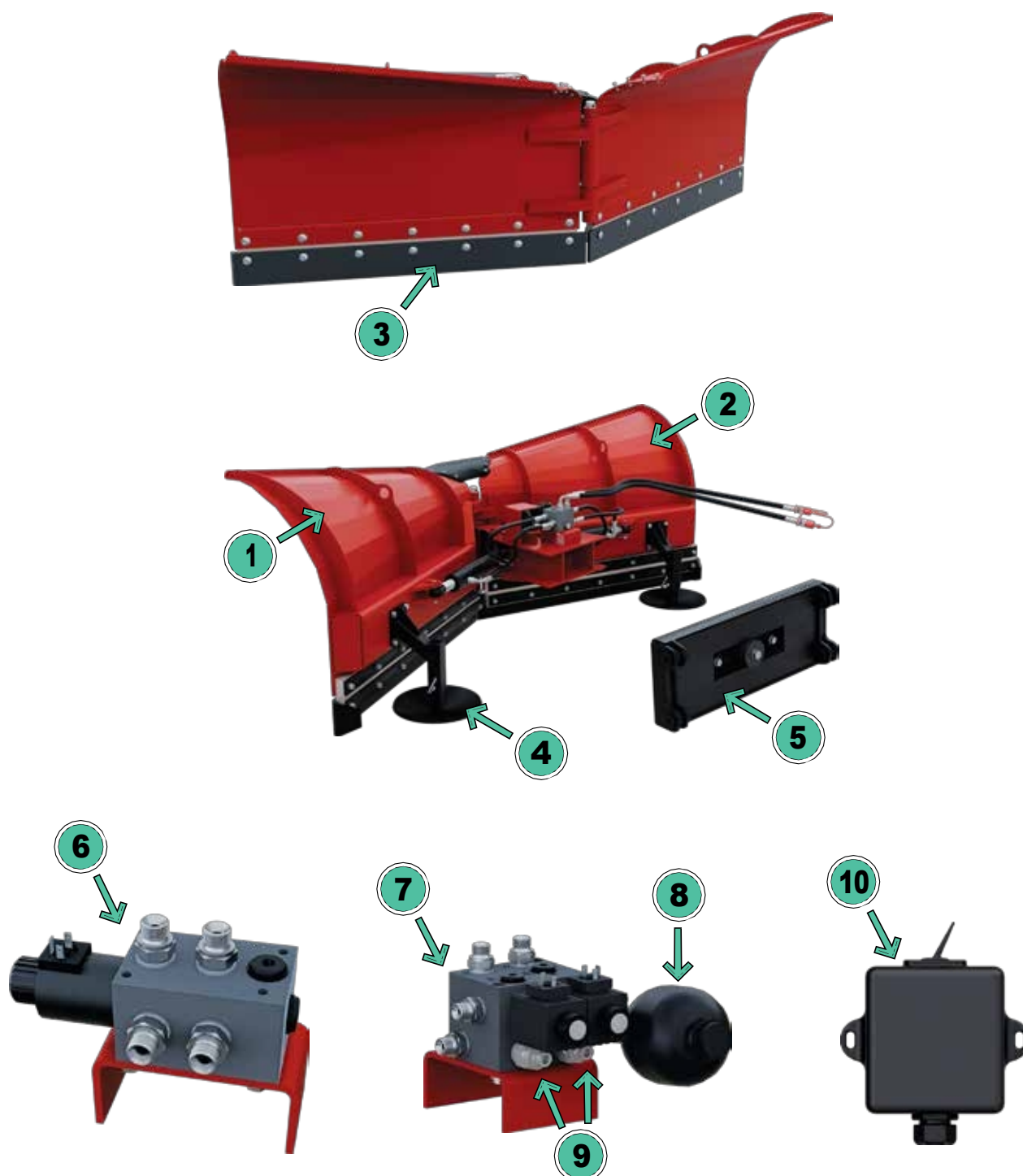
- Store the equipment in a dry and secure place.
- Parking must take place on level and solid ground.
- Prevent children from climbing or playing on or near the snow plow.

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. | Left wing | 6. | Selector valve for SP 180/220 |
| 2. | Right wing | 7. | Valve block for parallel control |
| 3. | Wear steel | 8. | Accumulator |
| 4. | Adjustable skid shoes | 9. | Shock valves |
| 5. | Intermediate piece for attachment to tractor | 10. | Control panel |

4. TECHNICAL SPECIFICATIONS

Igland SP 180	
Width	1.8
Minimum width in V shape <i>Wear steel</i>	148 cm
Minimum width in V shape <i>Top, edge wing</i>	176
Height	71/80 cm
Weight	215 kg

Igland SP 220	
Width	2.2 m
Minimum width in V shape <i>Wear steel</i>	181 cm
Minimum width in V shape <i>Top, edge wing</i>	218
Height	72/84 cm
Weight	250 kg

Igland SP 250	
Width	2.5 m
Minimum width in V shape <i>Wear steel</i>	207 cm
Minimum width in V shape <i>Top, edge wing</i>	239
Height	73/84 cm
Weight	325 kg

Igland SP 280	
Width	2.8 m
Minimum width in V shape <i>Wear steel</i>	230 cm
Minimum width in V shape <i>Top, edge wing</i>	267
Height	74/90 cm
Weight	375 kg

Igland SP 310	
Width	3.1 m
Minimum width in V shape <i>Wear steel</i>	254
Minimum width in V shape <i>Top, edge wing</i>	295 cm
Height	77/99 cm
Weight	435 kg

5. ASSEMBLY AND PREPARATION

5.1 Preparation

Always wear personal protective equipment, ear protection, and gloves.

When lifting. Use approved lifting equipment, only at the machine's lifting points.



5.1.1 Lifting points

Install mounting brackets for the relevant front loader or for front-mounted three-point linkage.

5.2 Mounting to tractor

Check that the base machine can carry equipment corresponding to the type and weight of the implement.

The base machine must have at least one double-acting hydraulic outlet.

If the base machine does not have a float function, a float bracket (optional accessory) is recommended.

The plow blades can be set in a V-shape, Y-shape, and at an angle. Use the V-shape during mounting.

Check that the plow blades can move freely in all directions.

Be aware of the risk of crushing when connecting and disconnecting the implement. Option 1: Connect to the base machine's loading device.

Option 2: Connect to the base machine's 3-point hitch. Connect to the base machine's 12V system.

Connect all hydraulic hoses.



5.2.1 Hydraulic connection

Adjust the height of the skid shoes according to the wear on the wear steel, in order to adjust the angle of attack to the plow.



5.2.2 Skid shoes

Maximum permissible oil pressure: 210 bar.

Max. permissible oil quantity: 60 liters/min

Avoid unnecessary strain on hoses/lines.

The machine must never be used if components are missing or defective.

Check that the implement is properly locked to the base machine.

Test run and familiarize yourself with all the machine's functions before normal use.

6. USE AND OPERATION

6.1 General use

Warning! The steering characteristics of the base machine are greatly affected during use.

Keep your distance during use. Watch out for flying objects.

Never allow inexperienced persons to operate the machine without the necessary training.

No persons or animals may remain within the machine's working area.

Road traffic regulations must be observed. Always

keep at least 20% of the weight on the rear wheels.

Parking must take place on level and firm ground.

Keep the machine clean and free of snow/ice

before parking.

Before leaving the machine, lower the implement to the ground, apply the brakes, and shut off the power source.

The machine should be parked in a V-shape for best support and protection of the hydraulic cylinders.



6.23 Angled position, right



6.24 Angled position, left

6.2 Operating the plow blades

The plow blades can be set in a V-shape, Y-shape, and at an angle in both directions.



6.21 V-shape



6.22 Y shape

The control panel for the SP 180 and SP 220 controls either the left or right wing separately.



6.25 Control panel, left and right wing

Control panel with three functions controls the right wing, left wing, or both wings with parallel function. With the parallel function, the tilt angle changes from one side to the other.



6.26 Control panel, left and right wing

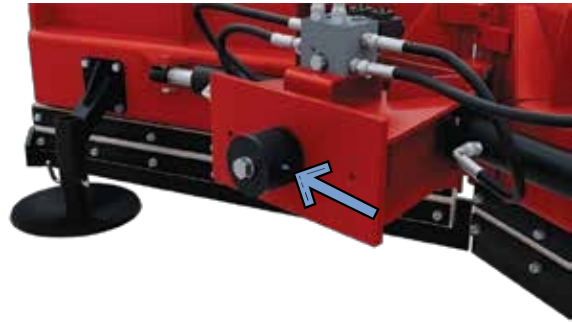
7. MAINTENANCE AND STORAGE

Always switch off the power source before performing maintenance.

7.1 Service table

Snow plow SP 180 - 210 - 250 - 280 - 310

Interval	Component	Description
First 10 hours	Screws and nuts	Retighten
Every 10 hours	Sliding surfaces	Lubricate with oil
	Lubrication points	Lubricate with grease
Every 50 hours	Moving parts	Lubricate with oil
	Wear blade	Replace as needed
"Every 100 hours / Annually"	Screws and nuts	Retighten
	Wear blade	Replace as needed

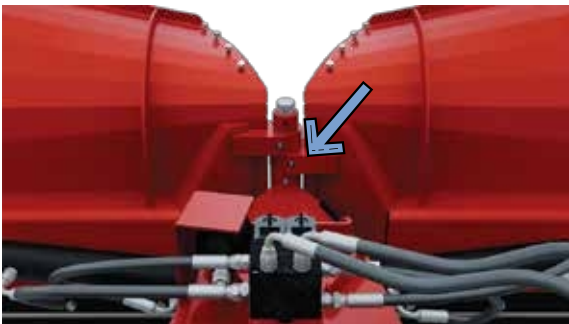


7.2.3



7.2.4

7.2 Lubrication points



7.2



7.2.



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

Email: service.igland@nosted.com

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