



IGLAND

User manual

Winch

Promax 58 / 68



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



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Thank you for choosing a Promax winch from IGLAND!

This user manual is designed to provide you with comprehensive information on the use, installation, safety, and maintenance of the equipment. The Promax series sets a new standard for professional winches and is designed with a focus on long service life and easy maintenance.

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 product's original design are made at your own risk and responsibility. It is important to note that any modification or alteration to 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	
IG300640	Igland Promax 58
IG300645	Igland Promax 68

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1. EXTRA EQUIPMENT

PRODUCT NO.	DESCRIPTION	Promax 58	Promax 68
IG095800	Radio control	x	x
IG154516	Pullmatic with radio and speed control, 58	x	
IG164210	Pullmatic with radio and speed control, 68		x
IG154512	Width set for logging plate, 10 cm	x	
IG164214	Widening set for logging plate, 10 cm		x
IG154514	Top grille, total height 2.3m	x	
IG164212	Top grille, total height 2.3 m		x
IG154516	Pull rod extension, set	x	x
IG022119	Test pressure gauge for checking oil pressure	x	x



2. SAFETY INSTRUCTIONS

2.1 General safety instructions

- **Read the user manual:** Before using the winch and any additional equipment, read and review the user manual carefully to understand proper use and maintenance.
- **Area of use:** Never use the winch for lifting or other tasks for which it is not designed. The winch is only to be used for pulling timber. 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 controls and functions of the winch. Ensure that only qualified and trained personnel use the equipment.
- **Personal protective equipment:** Always wear the necessary personal protective equipment, including a helmet, safety glasses, gloves, and safety shoes during operation.
- **Risk of crushing:** Be aware of the risk of crushing from all moving parts.
- **Risk of overturning:** Always be aware of the risk of overturning. Keep the tractor in a stable position.
- **Emergency preparedness:** Keep first aid equipment, fire extinguishers, 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 winch 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 winch can be used again.
- **Only use steel cables with sufficient strength.** Low-quality steel cables can cause serious damage if they break. If there is visible damage to the steel cable, replace it immediately.
- **Lubricate the winch regularly** as recommended by the manufacturer.
- **Keep a record of maintenance and repairs** performed on the winch.

2.2 Safe use

- **Follow safety rules** to limit and prevent accidents.
- **Only use the winch** for its intended purpose.
- Never use steel cables that are not of sufficient strength. Never **stand below the timber and tractor when** winching on sloping **terrain**, or between the winch cable and the tractor when pulling.
- **Never stand** below the timber and tractor when winching on sloping terrain, or between the winch, timber, and tractor when pulling.
- **Keep a safe distance** from timber being pulled in. Stumps or other obstacles can cause the timber to tip up or sideways.
- **Drive with smooth and steady movements.** Avoid sudden jerks and jolts when using the winch.
- **Do not overload** the winch's rated capacity or the tractor's towing capacity.
- **Do not pull at an angle greater than 30 degrees sideways.** Sloping terrain increases the risk of tipping.
- **Keep away from the PTO shaft and other moving parts** that may cause a risk of crushing or entanglement.
- **Be especially careful when pulling heavy loads**, as this can shift or tip the tractor.
- **Ensure that all bystanders** are at a safe distance from the tractor and winch during use.
- **Never touch** steel cables, pulleys, or other components that are moving or under tension.
- **Avoid wearing scarves and other loose clothing** that could get caught in the PTO shaft and other equipment.
- **Be particularly careful** when working in extreme weather conditions, such as heavy rain, snow, or strong winds, as this can increase the risk of accidents.
- **Hang up snow chains** so that they do not get caught in wheel chains during transport.



2.3 Storage

- Store the winch in a dry and secure place.
- Prevent children from climbing or playing on or near the winch.
- Park the winch on a firm and level surface when it is stored or not in use.

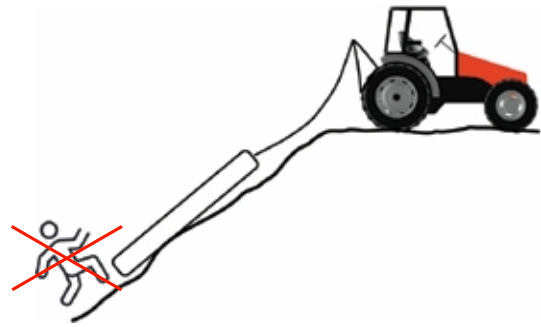
2.4 Checklist before use

- Always inspect the winch for wear and damage before use. Any damage must be repaired by qualified personnel before the equipment is used again.
- Ensure you have a clear view of the work area.
- Keep children away from the work area.
- Ensure that covers, guards, and components are in good condition.
- Check hydraulic hoses and couplings for kinks or leaks.
- Check that there is no damage to cables.
- Lubricate the machine as specified.
- Check that the radio control is working properly.
- Ensure that all moving parts are clean enough for use.
- Follow safety rules to limit and prevent accidents.

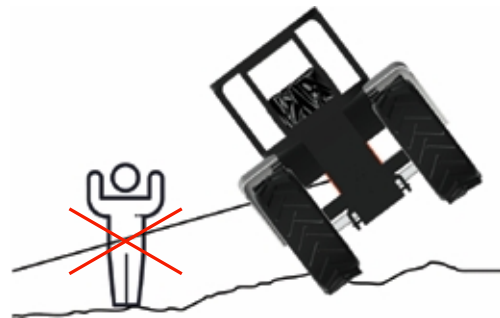


2.5 Safe Operation

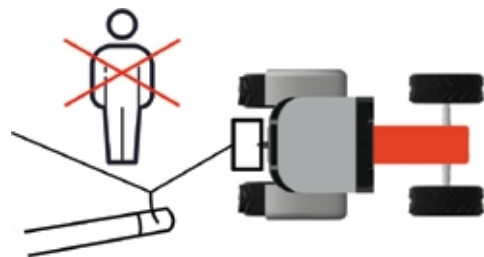
- Never use the winch for lifting or other tasks for which it is not designed. The winch should only be used for pulling timber.
- Avoid standing below the timber and tractor when winching on sloping terrain.
- Avoid sudden jerks and jolts when using the winch.
- Be careful when pulling heavy loads, as this can cause the tractor to shift or tip over.
- Do not pull at an angle greater than 30 degrees to the side. Pulling at an angle increases the risk of tipping.
- Ensure that the tractor is in good condition and perform regular maintenance checks.
- Do not exceed the winch's rated capacity or the tractor's towing capacity.
- Never stand between the winch cable and the tractor when towing.
- Ensure that all bystanders are at a safe distance from the tractor and winch during use.
- Keep a safe distance from timber being pulled in. Stumps or other obstacles can cause the timber to tip up or sideways.
- Store the transmitter in a manner that prevents unwanted activation of buttons. Turn off the transmitter if it cannot be handled safely when not in use.



25.1 Do not walk behind a log trailer on steep slopes.



25.2 Do not position yourself in such a way that you are at risk if the tractor or other equipment overturns.



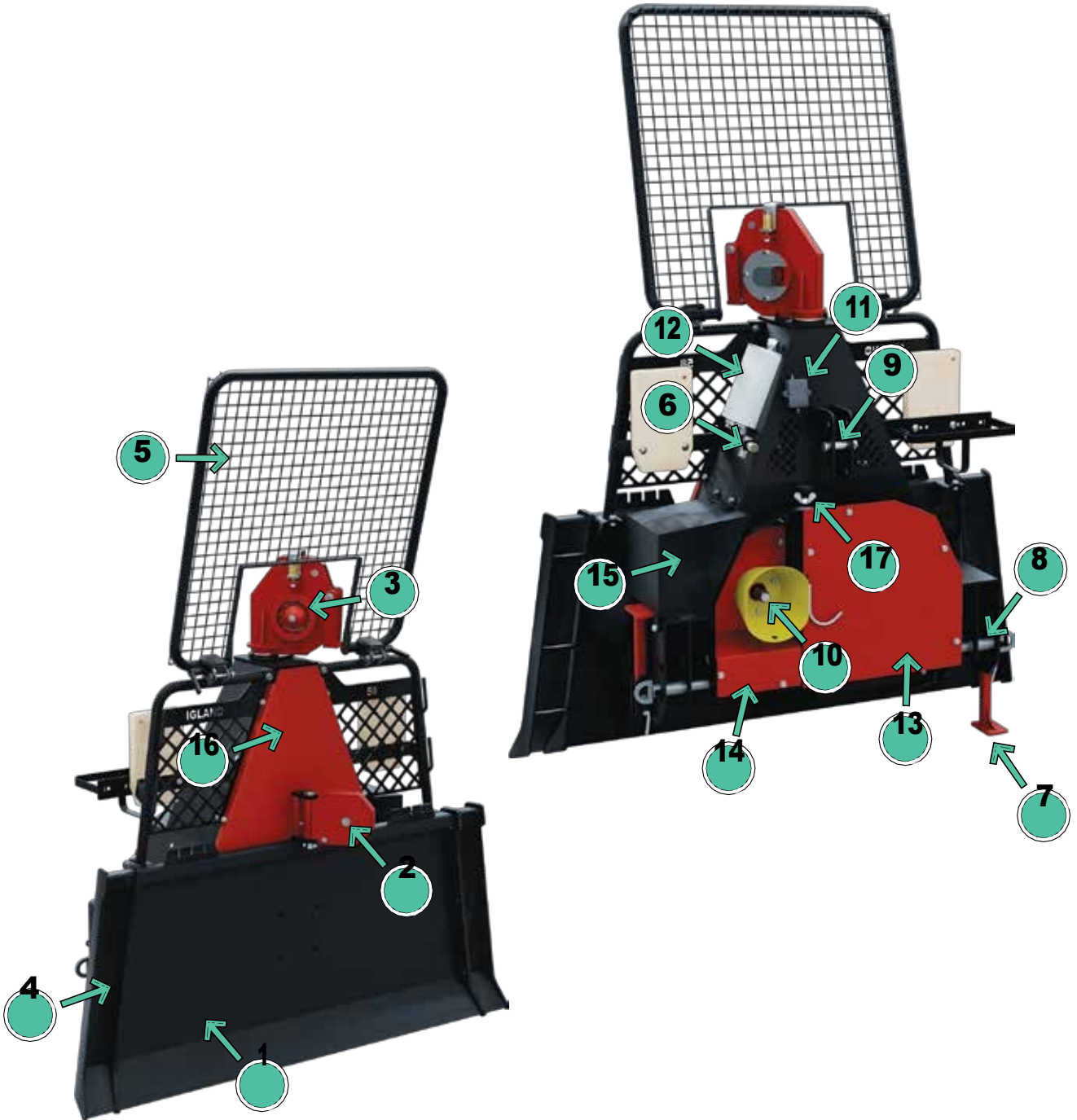
25.3 If the steel cable is at an angle, never position yourself on the inside of the angle.

- Do not touch steel cables, pulleys, or other components that are moving or under tension.
- Keep away from the PTO shaft and other moving parts that pose a risk of crushing or entanglement.



25.4 Obstacles can cause the timber to tip up or sideways

3. MAIN COMPONENTS



No. Main components

- | | | |
|---|------------------------------|----------------------------|
| 1. Logging plate | 7. Parking legs | 13. Cover for drum |
| 2. Lower pulley | 8. Attachment for drawbars | 14. Cover for PTO and pump |
| 3. Top block | 9. Top link attachment | 15. Cover for valves |
| 4. Width kit for logging plate (optional) | 10. PTO | 16. Rear cover |
| 5. Top grid (optional) | 11. Radio control (optional) | 17. Sub-brake |
| 6. Control valve for pullmatic (optional) | 12. Oil tank | |

4. TECHNICAL SPECIFICATIONS

Igland Promax 58 winch	
Drums	1
Operation	Radio (electric-hydraulic)
Maximum pulling force (empty drum)	58 kN (5.8 tons)
Maximum pulling force (full drum)	32 kN
Brake	Brake band (automatic)
Braking force (empty drum)	73 kN
Braking force (full drum)	40 kN
Height/width/depth	170/156/53 cm
Weight (without steel cable/optional equipment)	457 kg
Theoretical steel cable capacity	147 m, 10 mm (compact)
Recommended steel cable	70 m, 10 mm (compact)
Recommended tractor size	70-120 hp
Connection to tractor	Three-point
Height of PTO pin	56

Igland Promax 68 winch	
Drums	1
Operation	Radio (electric-hydraulic)
Maximum pulling force (empty drum)	68 kN (6.8 tons)
Maximum pulling force (full drum)	37 kN
Brake	Brake band (automatic)
Braking force (empty drum)	85 kN
Braking force (full drum)	46 kN
Height/width/depth	190/177/60 cm
Weight (without steel cable/optional equipment)	517 kg
Theoretical steel cable capacity	118 m, 11 mm (compact)
Recommended steel cable	70 m, 11 mm (compact)
Recommended tractor size	80-130 hp
Connection to tractor	Three-point
Height of PTO pin	56

5. ASSEMBLY

5.1 Preparation

Any lifting must be done at the top of the grille. Place the parking legs in the parking position and secure with bolts. Place the winch on a flat and firm surface.



5.1.1 Parking legs

Adjust the top link so that the winch tilts 10-20 degrees backwards. Make sure that the winch does not collide with the tractor cab when it is lifted. Remove the locking pin and bolt to tilt up the parking legs.



5.2.3 Tilt the winch away from the tractor

5.2 Mounting the winch on the tractor

Select category II or III for tow arms. Connect tow arms at the desired height.



5.2.1 Bolts for pull arms

Cut the PTO shaft to the appropriate length before installation. The correct length is 20 mm shorter than the distance between the locking slots on the winch and tractor, measured horizontally. The shaft is cut according to the manufacturer's instructions.

5.3 Mounting the steel cable

Remove the cover on the back of the winch. Loosen the tension at the top if the winch is equipped with a pullmatic.

Always use a fixed top link for the timber winch. Connect the top link at the desired height. A larger angle between the top link and the drawbars causes the winch to tilt more towards the tractor when it is lifted.



5.2.2 Bolts for top link



5.3.1 Tightening the pullmatic

Thread the steel cable through the top block and down to the drum. The steel cable is attached to the drum with an Allen screw. Keep the steel cable taut when rolling it in. The pullmatic top block is tightened again before the steel cable is wound in.



5.3.2 Steel cable

5.4 Optional equipment

The top grid is secured with a through bolt and locked in position with the lever.



5.4.1 Top grid

The width set for the hopper is secured with bolts on the edge of the hopper.



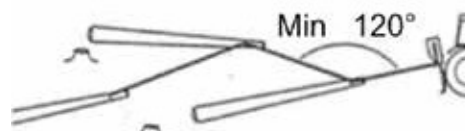
5.4.2 Widening kit for hot plate

6. USE AND OPERATION OF WINCH

6.1 General use of the winch

Back the tractor as close to the timber as possible. The maximum angle for retraction is **30 degrees** to each side.

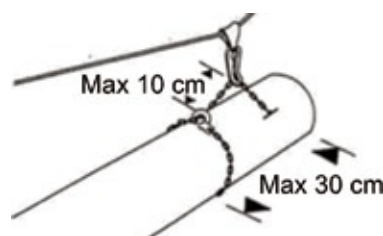
Smaller logs can be secured in a herringbone pattern. Avoid sharp angles on the cable.



6.1.1 Minimum angle for herringbone pattern

Avoid sudden movements, as the timber may react slowly.

Secure the timber **up to 30 cm** from the end.



6.1.2 Recommended strapping

Maximum 10 cm chain between the snag hook and the slider.

Be aware of the winch's limitations.

Loosen the drag brake if the steel cable is too heavy to pull out. Tighten the drag brake if the drum spins. Release the load slowly to prevent the cable from twisting.

Lower the winch so that the winch base is on the ground and apply the parking brake on the tractor.

See separate manual for remote control radio.

6.2 Operation and explanation of symbols



6.2.1 Retraction



6.2.2 Free brake/retraction when the button is held down



6.2.3 Free brake, On/Off

See separate manual for more information about radio control.

Turn and pull out the bolt to remove the cable from the lower pulley. The cable must always be locked with the bolt when the pulley is in use.

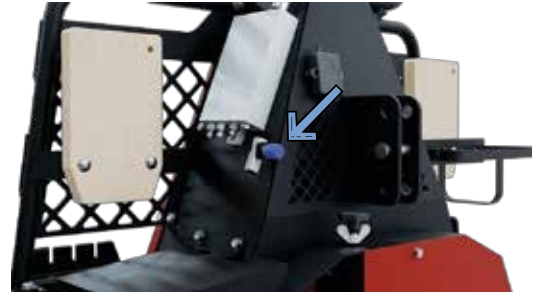


6.2.4 Handling the pulley

6.3 Pullmatic

Pullmatic is activated automatically by pressing the feed button on the remote control or control panel. The speed control on Pullmatic is adjusted by turning the regulator.

NB! When fully closed (turned clockwise), the feed will stop.



6.3.1 Speed control for Pullmatic

The springs on the top block are tightened if the pulley has too little friction. If they are tightened too much, it will be more difficult for the feeder to pull out the cable. The Pullmatic function is designed to help pull out the steel cable, but not to loosen steel cables that have become jammed on the drum. Damage to the steel cable can cause problems with feeding.



6.3.2 Tightening the Pullmatic

7. MAINTENANCE

Never perform maintenance on raised implements! Stop the tractor before performing maintenance. It may be necessary to disconnect the implement to facilitate access to certain parts of the winch.

7.1 Service table

Do not spill oil on the clutch!

Winches 58, 68

Interval	Component	Description
First 10 hours	Lubrication points	Lubricate with grease
	Screws and nuts	Retighten
	Chain drives	Check chain tension
Every 50 hours	Moving parts	Lubricate with oil
	Chain drives	Check chain tension
	Chain drives	Lubricate with chain spray or grease.
	Check the winch oil level	Refill if necessary
Annually	Oil tank, hydraulics	Change oil. 1.5 l Castrol AWH-32,
	Oil filter, hydraulics	Replace
	Check clutch wear	Normal movement on the pressure plate is 2.5-4 mm. Readjust if the movement exceeds 4 mm. Replace the clutch disc if the thickness is less than 8 mm.
	Check the brake band for wear.	Retighten if necessary.



722 Top block



723 Retraction block



724 Outer PTO bearing



725 Inner PTO bearing

7.2 Lubrication points

Do not spill oil on the clutch!



721 Chains

7.3 Chains

The chain lock must always have the closed end facing the direction of travel. All chains rotate counterclockwise when viewed from the tractor side of the winch.



731 Direction of chain lock

The pump chain is tightened by loosening three screws and turning the pump.



732 Tightening the pump chain

The first drive chain is tightened by loosening four bolts and turning the adjustment screw under the winch. Tighten the four bolts after adjustment.



733 Tightening the first drive chain

Other drive chains are tightened by adjusting the spring-loaded chain tensioner.



734 Tightening other drive chains

7.4 Brake

The brake is tightened by turning the bolt clockwise. The brake shoe is replaced when the brake lining is worn or contaminated.

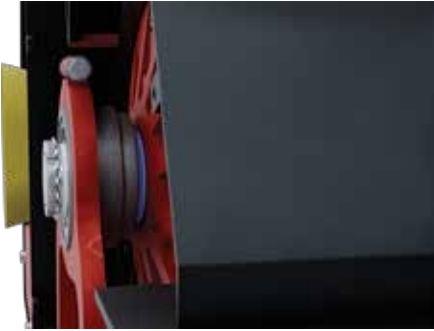


7.4.1 Brake bolt

7.5 Checking and adjusting the clutch

Check the play on the clutch. The play should be 2.5-4 mm.

Start the winch, pull out 2-3 meters of steel cable and pull in 50 cm again. Stop the tractor, but leave the lights on so that the radio is powered. Remove the cover in front of the drum. Press the retract button on the control and measure the travel. Alternatively, the test can be performed by clamping the pressure plate with 2-3 clamps.



751 Travel on the clutch

Open the lock ring and tighten the nut if necessary. One turn tightens it by 2 mm. Lock the nut again after tightening.



752 Tightening the clutch

To check the clutch lining, the bearing, cylinder and pressure plate must be removed.



753 Checking and replacing the brake shoe

For major servicing, the drum with brake shoes and brake can be removed from the chassis. Loosen four bolts at the bottom and two through the cover plate. The chain and hydraulic hoses must be disconnected.



754 Attachment points for drum



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

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