



IGLAND

User manual

Winch

42 / 52 / 42S / 52S



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



nøsted &

Thank you for choosing a winch 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 note 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	
IG308020	Igland 42
IG300902	Igland 52
IG308030	Igland 42S
IG300904	Igland 52S

Revised	08/23/2024
Published	08/23/2024
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AI-translated from the original user manual

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1. EXTRA EQUIPMENT

PRODUCT NO.	DESCRIPTION	4	42	52	52S
IG095226	Radio remote control, 1 function, hydr LH (requires resistance-free return)		X		
IG095464	Radio remote control, 1 function, hydr LH (requires resistance-free return)				X
IG095450	Radio remote control, 1 function, hydr LH (requires resistance-free return)	X			
IG095460	Radio remote control, 1 function, hydr LH (requires resistance-free return)			X	
IG091442	Tractor speed control, on/off (only in conjunction with radio control)	X	X	X	X
IG143160	Top block complete for high insertion point	X	X		
IG153065	Top block complete for high pull-in point			X	
IG153160	Top block complete for high pull-in point				X
IG143210	Tool part for Lyng Triangle quick coupling	X	X	X	X
IG143170	Tool part for HMOV quick coupling	X	X	X	X
IG090378	Oil distribution valve for oil quantities greater than 55 l/min	X	X	X	X
IG159337	Top grille	X	X	X	X
IG022150	Oil can holder	X	X	X	X
IG022151	Chainsaw holder	X	X	X	X



2. SAFETY INSTRUCTIONS

2.1 General safety instructions

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

- **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 thoroughly with the controls and functions of the winch. Ensure that only qualified and trained personnel operate 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** carried out 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.
- **Make 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 to the side.** Sloping terrain increases the risk of tipping.
- **Always use the parking brake** when pulling uphill.
- **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 cause the tractor to shift or tip over.
- **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.

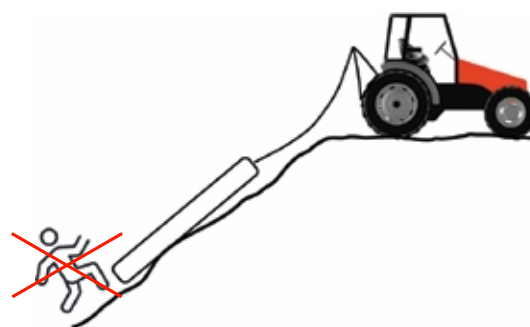
2.4 Checklist before use

- 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 (optional equipment).
- Check that there is no damage to cables (optional).
- Check hydraulic hoses and couplings (optional).
- Lubricate the machine as specified.
- Check that the winch does not retract when the lever is in the upper position.
- Check that the radio control is working properly. Too much oil, thick oil, or restrictions in the return line can cause the steel cable (optional) to retract unintentionally.
- Ensure that all moving parts are clean enough for use.
- Follow safety rules to limit and prevent accidents.

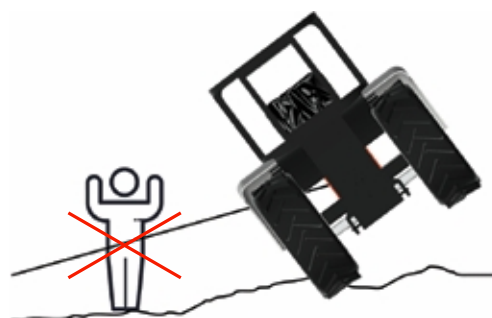


2.5 Safe Operation

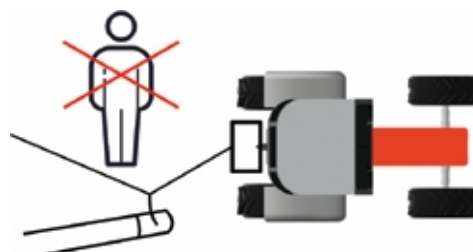
- Never use the winch for lifting or other tasks for which it is not designed. The winch should only be used for pulling timber.
- Avoid standing below the timber and tractor when winching on sloping terrain.
- Always use the pawl brake when pulling uphill.
- Avoid sudden jerks and jolts when using the 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. Pulling at an angle increases the risk of tipping.
- Ensure that the tractor is in good condition and perform regular maintenance checks.
- Do not overload the winch's rated capacity or the tractor's towing capacity.
- Never stand between the winch, the load, and the tractor when pulling.
- 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.
- 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.



2.5.1 Do not walk behind a timber skid on steep slopes



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

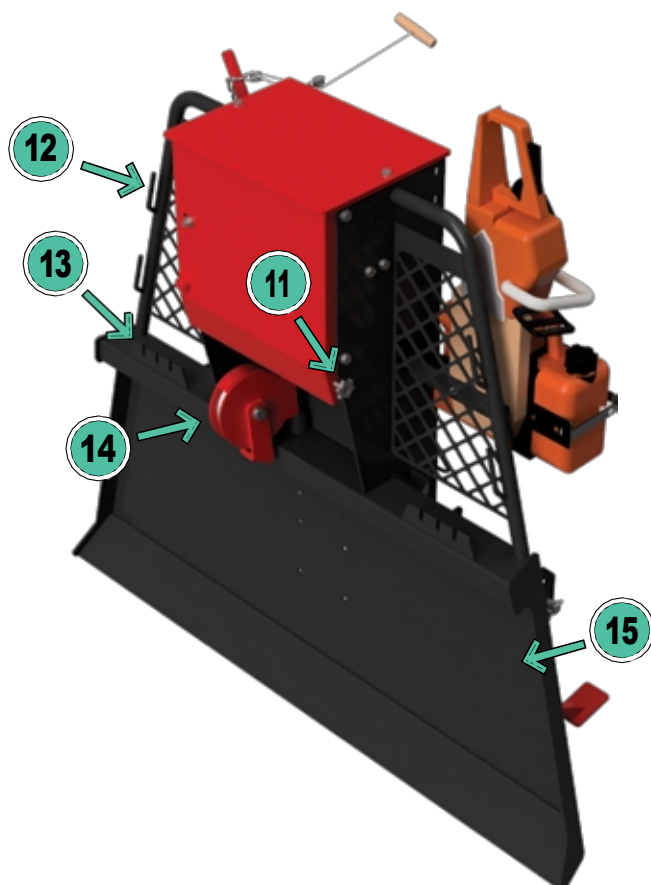
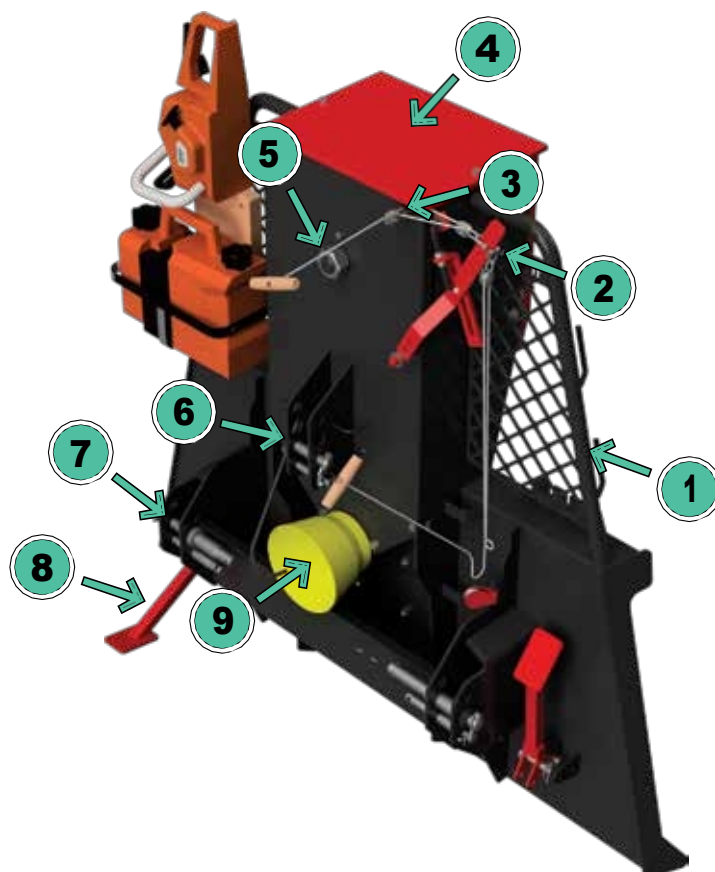


2.5.3 Do not position yourself in the angle between the winch, timber, and pulley block



2.5.4 Obstacles can cause the timber to tip up or sideways.

3. MAIN COMPONENTS



No. Main components

1. Grid
2. Control lever
3. Control cord
4. Top cover
5. Nut for clamp adjustment
6. Top rod attachment
7. Lower three-point mounts
8. Parking legs
9. PTO pin
10. Chain tensioner
11. Slip brake
12. Hook for quick-release chain
13. Chain lugs for towing timber
14. Retraction block
15. Lunnepanne

4. TECHNICAL SPECIFICATIONS

Igland 42 winch	
General specifications	
Drums	1
Height/width/depth	131 / 144 / 46 cm
Weight (without steel cable)	226 kg
Gear ratio	1:5.18
Clutch	Replaceable pads
Brake	Pal brake
Connection to tractor	Three-point hitch (standard)
Height of PTO pin	52

Igland 52 winch	
General specifications	
Drums	1
Height/width/depth	152 / 170 / 53 cm
Weight (without steel cable)	285 kg
Gear ratio	1:6
Clutch	Replaceable blocks
Brake	Paddle brake
Connection to tractor	Three-point hitch (standard)
Height of PTO pin	57

Important limitations	
Recommended tractor size	30–52 kW (40–70 hp)
Maximum pulling force (empty drum)	42 kN (4.2 tons)
Maximum pulling force (full drum)	15 kN
Theoretical steel rope capacity	77 m, 10 mm
Recommended steel cable	50 m, 10 mm
Recommended maximum load	3.4 m ³
Recommended maximum retraction load	1.4 m ³
Retraction speed at 540 rpm	0.67–1.71 m/s

Important limitations	
Tractor size	45–67 kW (60–90 hp)
Maximum pulling force (empty drum)	52 kN (5.2 tons)
Maximum pulling force (full drum)	20 kN
Theoretical steel rope capacity	83 m, 11 mm
Recommended steel cable	50 m, 11 mm
Recommended maximum load	3.8 m ³
Recommended maximum retraction load	1.8 m ³
Retraction speed at 540 rpm	0.63–1.62 m/s

Igland 42S winch	
General specifications	
Drums	1
Height/width/depth	131 / 144 / 46 cm
Weight (without steel cable)	235 kg
Gear ratio	1:5.18
Clutch	Replaceable pads
Brake	Brake band
Connection to tractor	Three-point hitch (standard)
Height of PTO pin	52

Igland 52S winch	
General specifications	
Drums	1
Height/width/depth	151.5 / 170 / 55 cm
Weight (without steel cable)	290
Gear ratio	1:6
Clutch	Replaceable blocks
Brake	Brake band
Connection to tractor	Three-point hitch (standard)
Height of PTO pin	57

Important limitations	
Recommended tractor size	30–52 kW (40–70 hp)
Maximum pulling force (empty drum)	42 kN (4.2 tons)
Maximum pulling force (full drum)	15 kN
Braking force (empty drum)	52.5 kN
Braking force (full drum)	18.75 kN
Theoretical steel rope capacity	77 m, 10 mm
Recommended steel cable	50 m, 10 mm
Recommended maximum load	3.4 m ³
Recommended maximum retraction load	1.4 m ³
Retraction speed at 540 rpm	0.67–1.71 m/s

Important limitations	
Recommended tractor size	45–67 kW (60–90 hp)
Maximum pulling force (empty drum)	52 kN (5.2 tons)
Maximum pulling force (full drum)	20 kN
Braking force (empty drum)	65 kN
Braking force (full drum)	25 kN
Theoretical steel rope capacity	83 m, 11 mm
Recommended steel cable	50 m, 11 mm
Recommended maximum load	3.8 m ³
Recommended maximum retraction load	1.8 m ³
Retraction speed at 540 rpm	0.63–1.62 m/s

5. ASSEMBLY

Place the parking legs in the parking position and space them on a level and firm surface.



5.1 Parking legs

5.1 Mounting the winch on the tractor

Select the appropriate category on the three-point hitch.

Category	42	52
I	X	X
II	X	X
III		X

5.1.1 Category overview

Connect the tow arms.



5.1.2 Bolts for pull arms

Connect the top stay. Select the hole that gives the smallest possible angle between the winch and the top stay.



5.1.3 Bolts for top stay

Adjust the top link so that the winch tilts 10-20 degrees backward. Make sure that the winch does not collide with the tractor cab when it is lifted.



5.1.4 Tilt the winch away from the tractor

Cut the PTO shaft to the appropriate length before installation. The correct length is 20 mm shorter than the distance between the pin on the winch and the tractor, measured horizontally.

The shaft is cut according to the manufacturer's instructions.

5.2 Attaching the rope to the brake

Thread the rope through the hook at the top of the winch and attach it to the lever.

Applies only to winch types 42 and 52.



5.2 .1 Rope for pawl brake on 42 and 52

Thread the rope through the pulley at the cap and the pulley on the upper side of the lever. Remove the cap and attach the rope through the hole at the corner.

Applies only to winch types 42S and 52S.



5.2.2 Rope for brake on 42S and 52S

5.3 Attaching the rope to the cleat

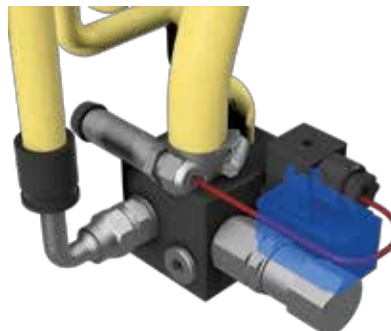
Thread the rope through the pulley on the winch chassis. Then thread it through the pulley on the control lever and attach it to the pin on the lower pulley.



5.3.1 Rope for operating the clamp

5.6 Connecting the radio

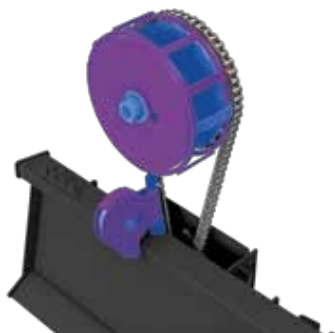
Connect the 7-pin connector to the tractor and connect the 3-pin connector to the coil on the valve block.



5.6.1 Connecting the radio on 42 and 52

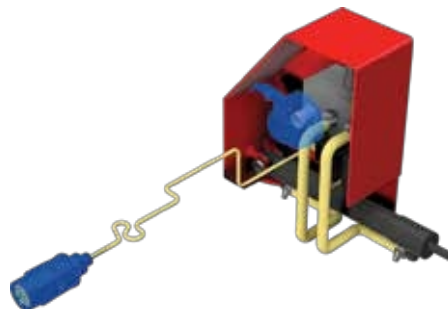
5.4 Attaching the steel cable to the drum

Thread the steel cable up through the large pulley. Feed the cable into the bottom of the drum and out through the hole in the side of the drum. Secure the steel cable with a loose wire clamp (42 and 52) or Allen screw (42S and 52S).



5.4.1 Attaching the steel cable to the drum

Connect the 7-pin connector to the tractor and connect the 3-pin connector to the coil on the valve block.



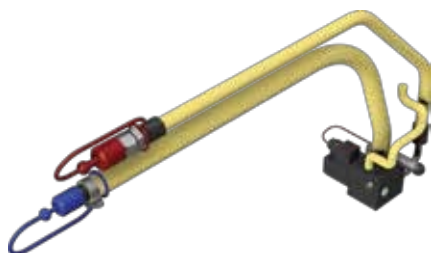
5.6.2 Connecting the radio on 42S and 52S

Keep the steel cable taut when rolling it in.

5.5 Connecting the hydraulics (optional extra)

Connect the pressure hose (ISO coupling/red cap) to one of the tractor's outlets. The return hose (open coupling/blue cap) is connected to the tank or return line on the tractor.

For installation of hydraulics on the winch, see separate installation instructions

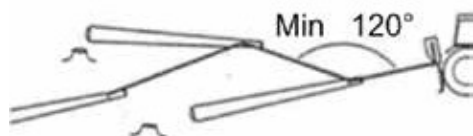


5.5.1 Illustration of pressure hose (red) and return hose (blue)

6. USE AND OPERATION OF THE WINCH

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

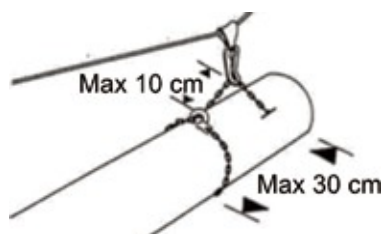
Smaller logs can be secured in a herringbone pattern. Avoid sharp angles on the cable.



6.1 Minimum angle for herringbone pattern

Avoid sudden movements, as the timber may react slowly.

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



6.2 Recommended strapping

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

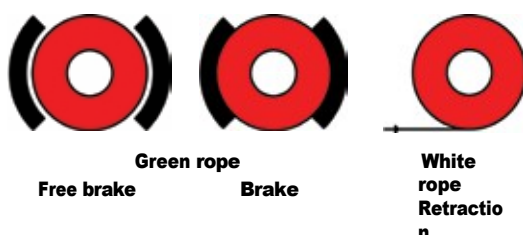
6.1 42 and 52

Pull the white rope to activate retraction. Release the rope to stop retraction. Pull the green rope to switch between free brake and engaged brake.

6.2 42S and 52S

Pull the white rope to activate retraction. Release the rope to stop retraction. Pull the green rope to disengage the free brake. Pull the white rope until the lever is in the middle position to engage the brake.

6.3 General



6.3.1 Explanation of symbols

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 radio remote control.

7. MAINTENANCE

Set the PTO to neutral and stop the engine before performing maintenance on the winch. The PTO shaft must be maintained in accordance with the manufacturer's instructions.

7.1 Lubrication

Avoid oil spills on the clutch.

	Working hours	Lubricant
Chain	20	Thick oil
Needle bearing	20	Thick oil
Cam*	20	Grease

* Applies only to winch types 42S and 52S.

7.1.1 Lubrication table

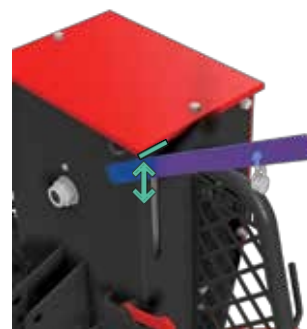
Remove the top cover to access the chain and needle bearing.



7.1.2 Components to be lubricated.

7.2 Inspection of the clutch

Check the play on the control lever. Normal play is 5-10 cm.



7.2.1 Measuring slack on the clutch

7.3 Adjusting the clutch

Turn the nut and check the backlash again.



7.3.1 Nut for adjusting the clutch

7.4 Chain

Check the chain for slack and remove any slack by tightening or shortening the chain.

The chain lock is attached with the closed side in the direction of travel. Tighten the chain after first use.

7.5 Checking the clutch pads

Remove the top cover and measure the thickness of the clutch

lining. Replace the pads if the lining is less than 2 mm thick.



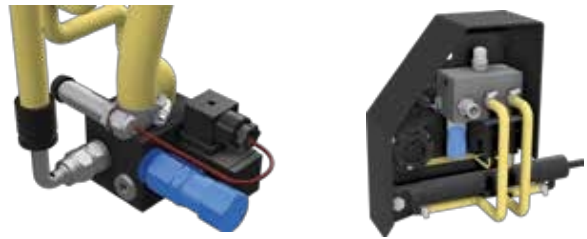
7.5.1 Roller pads

7.6 Replacing the clutch blocks

Loosen the nut for adjusting the clutch. 52 and 52S: Remove the old blocks by loosening two screws on each block, and install new ones. 42 and 42S: Straighten the ears that hold the blocks in place, replace the blocks, and bend the ears around the blocks. Inspect and adjust the clutch according to the instructions.

7.7 Pressure adjustment

The pressure is adjusted by loosening the cap and nut and turning the pressure regulator. See Figure 7.7.2 for the correct pressure for different models.



Applies only to winch types 42 and 52 Applies only to winch types 42S and 52S

7.7.1 Pressure adjustment



Old type valve: 40 bar



New valve type: 45 bar

7.7.2 Pressure on different valves

7.8 Adjusting the brake

Remove the cap and tighten the nut. Applies only to winch types 42S and 52S.



7.8.1 Nut for adjusting the brake

7.9 Overlap between clutch and brake Adjust the overlap between the clutch and brake by adjusting the length of the rod.

Applies only to winch types 42S and 52S.



7.9.1 Rod for adjusting overlap between the brake shoe and brake



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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