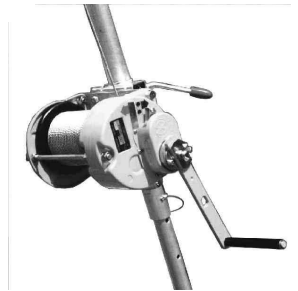


# USER INSTRUCTION MANUAL

## **G**-WINCH

Manually Operated Winch for the  
Lifting of Personnel



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# USER INSTRUCTIONS

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# 1. **IMPORTANT NOTICE**

READ EQUIPMENT LABELS AND 'USER INSTRUCTIONS' BEFORE USING THIS PRODUCT.

BEFORE USING THIS EQUIPMENT IT IS ESSENTIAL THAT USERS ARE FULLY AWARE OF HOW THE EQUIPMENT OPERATES, WHERE IT SHOULD BE USED, WITH A PREDETERMINED ACTION PLAN FOR BOTH THE USE AND RECOVERY SHOULD AN EMERGENCY ARISE.

This product has been developed to enable the safe entry of personnel into a restricted access or confined space. Recommended use is in conjunction with a G-Saver II fall arrest and retrieval device, to protect against potential falls occurring during use. The G-Saver II also provides a backup retrieval system for use in an emergency or an unforeseen occurrence.

This equipment is for use where other means of access are not practical.

Only one person should be attached to the G-Winch. The equipment user should never be left to work alone. There must always be another person present to operate the G-Winch.

Both the equipment user and operator should be adequately trained.

## **PRIOR TO USE:**

A formal 'Risk Assessment' should be carried out, considering use and the emergency rescue procedure.

Users should be fully conversant with the operation of the equipment.

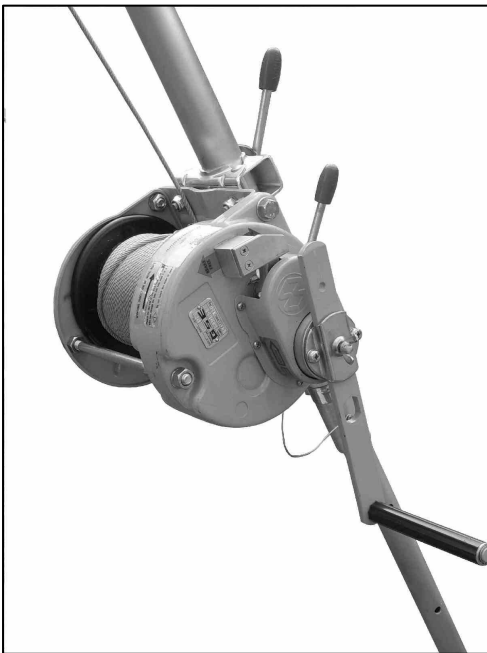
The 'Before Use Checks' should be performed (see section 3 – Inspection Before Use).



## 2. G-Winch for the Lifting of Personnel

The G-Winch is a personnel winch fitted with a maximum of 50 metres of wire rope. It is for confined space use and for the raising and lowering of personnel through areas of restricted access. It can be attached to the G-Tripod or similar EN795 anchorage device.

The G-Winch is recommended for use in conjunction with a Fall Arrest and Retrieval device such as the G-Saver II. This system then incorporates EN360 fall protection, with an additional safety line to rescue the user in the event of an unforeseen occurrence. Use in this manner provides the maximum level of safety possible.



There are two modes of operation.

- Normal personnel use, as shown. Gear Ratio 1:8.9
- The handle can be fitted to the shaft at the other side, providing a fast mode for quickly winding cable in or out.

The G-Winch has an anti-run brake to prevent a supported load from falling to the ground should the

operator release the winding handle.

The mechanism provides an easy winding action making personnel hoisting easy. The G-Winch is tough and durable, to give problem free and long working life.



### 3. Inspection Before Use

Before using the G-Winch inspect as follows.

#### **Inspection**

1. With the G-Winch mounted on an EN795 anchorage device such as the G-Tripod. Inspect the mounting Brackets.
2. With the winding arm removed from the winch, lift and hold up the pawl so as to disengage the anti-run brake. Pull wire rope off the drum, releasing the pawl. The Anti-Run brake should engage and lock firmly preventing further rope from being pulled off the drum.
3. Attach the winch arm. Check that it is firmly lock in place by the locking screw. Rotate the winch arm to spool rope onto the drum. An audible clicking should be made by the pawl to confirm the correct functioning of the anti-run brake.
4. Inspect the entire system for any signs of damage, wear or malfunction.
5. Inspect the wire rope. No kinks, broken strands or excessive wear should be observed.
6. Ensure the karabiner is free of damage and functions correctly, the gate locks positively.

**Before operating and During Use of the G-Winch** visually check the path of the wire rope and the equipment to ensure no fouling. The user and operator both need to be vigilant before and during use. It is then safe to rotate the winding arm.

### 4. Considerations for Use

- Should any doubt arise about the safe condition of this device **DO NOT USE**.
- Return to Globestock or a Globestock authorised servicing agency for assessment, service and re-certification, before further use
- The G-Winch 50m weights approximately 21kg. Manual handling and attaching to the G-Tripod should be performed by 2 people.
- We advise at least two people use of this equipment, one to operate the winch as the other is lowered / raised.
- Wear gloves to protect your hands when inspecting or handling the wire rope.



- Do not rotate the winch arm while handling the wire rope.
- The G-Winch may only be used by trained or otherwise competent persons.
- The G-Winch should only be used within the temperature range of  $-10^{\circ}$  to  $60^{\circ}$  centigrade. If the intended use is outside of this range then consult Globestock for guidance.
- The G-Winch is recommended for use in conjunction with a Fall Arrest and Retrieval device such as the G-Saver II. This provides a secondary safety line, with fall protection and emergency retrieval, ensuring maximum safety of the user.
- Ensure the path of the user is free of obstructions.
- The user and operator of the equipment must maintain communication while the equipment is in use.
- Do not allow excessive slack cable during use. This cable may tangle or foul, hindering the safe retrieval of the user.
- Do not allow the wire rope safety line to pass over sharp edges, electrical items/cables, become frayed or to kink as this weakens the rope.
- A clearly understood, predetermined action plan that should be in place and implemented in the event of an emergency.
- Do not disengage the Anti-Run Brake while the G-Winch is under load.

## 5. Setup for Use

If in any doubt please contact either a specialist or Globestock for advice.

Connect the G-Winch to a suitable anchorage such as an EN795 device. The G-Tripod is the ideal anchorage device. The additional use of a G-Saver II provides an additional safety line, giving the maximum level of safety.

The equipment should be inspected and setup away from the confined space. It can then be moved into place by two or more people, so that it is ready for use. Perform a final visual inspection, and the equipment is ready to use.

**Before operating the G-Winch** visually check the path of the wire rope and the equipment to ensure no fouling. Check with the user to ensure he/she is ready. It is then safe to rotate the winding arm.



## 5.1 Attaching to the G-Tripod

1. The G-Tripod should be opened up and set down on it's feet at the lowest setting.
2. Lay the G-Winch next to one of the side legs of the G-Tripod and lay the G-Saver II next to the fixed leg.
3. Lift up the G-Winch pawl and pull 3 metres of wire rope off the drum.
4. Fit the wire rope through the pulley assembly, then attach the pulley assembly to the Anchorage point underneath the Tripod head. Ensure the screw gate of the karabiner is securely locked.
5. With the winch arm disengaged, pull around 3 metres of wire rope out from the G-Saver II unit. Engage the winch arm to hold this wire rope out.
6. Thread the wire rope through the top of the tripod pulley bracket, and down through the stainless steel guide. Lock the rope in place by rotating the locking 'C' ring.
7. Raise the G-Tripod to the required height. Take the first leg and extend it to the first intermediate setting. Then take the second leg, extend it to the desired height and repeat with the third leg. Finally adjust the first leg so all legs are at the same height.
8. Attach the G-Saver II brackets to the top of the fixed leg. Remove the top shackle from the G-Saver II and fit the unit onto the brackets and secure.
9. Loosen the top bracket, pull the clamp part of the bracket down to secure the unit, then tighten the clamp securely. The G-Saver II will now be held rigidly.
10. With the G-Winch on the ground, unscrew the mounting bracket lever arms, so that the winch is ready to fit to the G-Tripod.
11. Attaching the G-Winch to the G-Tripod is best performed by two people. Lift together, the G-Winch onto the top of the tripod leg, as shown.
12. One person holds the winch in place, with the weight of the winch supported by the tripod leg. The other person fastens the brackets to hold the winch onto the leg.



13. With the brackets loose, the winch is rotated around the leg so that it is on the underside, then both brackets are securely tightened.
14. Both the ropes hanging at the centre of the tripod can be attached back to their respective devices, taking up slack wire rope.
15. The Access System can then be visually inspected before moving into place over the access hole.



## 6. Inspection & Maintenance

Like all safety critical complex mechanical devices, the G-Winch requires regular inspection and maintenance to ensure that the unit functions safely and correctly. Repairs or servicing should never be carried out on site or in the field. Do not tamper with or modify the unit.

### 6.1 Periodic Examination.

The G-Winch should be periodically examined by a competent person, other than those using the equipment, at **least once in every 6 months** dependant upon the frequency of use and the operating environment. The 'Examination Record' found on the rear of this booklet, outlines the main examination criteria. On passing this examination the record can be completed, signed off and the unit returned for use. Any observed faults must be rectified. If necessary or **in any doubt**, return the G-Winch for service and re-certification.

### 6.2 Service & Re-Certification.

The G-Winch must be returned for servicing annually or if any doubt should arise concerning the units condition. Globestock or a Globestock approved servicing agency can be used for this. On completion of a service and retest, a new Test Certificate will be issued which validates the unit for a further year of use.

### 6.3 Cleaning, Storage and Transportation

The G-Winch's exterior may be cleaned using warm water with a mild detergent. It should then be allowed to dry.

In order to maintain the wire rope safety line, remove any soiling. Apply a little light oil to a cloth. Hold the cloth around the rope, allowing the rope to pass through the cloth. This will leave the rope lightly oiled.

The unit should be stored in a clean, dry, chemical free environment.

When transporting the G-Winch, it should be boxed or retained to prevent damage or deterioration.



