



LIGHTWEIGHT ■ PORTABLE ■ SAFE



PORTA-QUAD[®]

Assembly

&

Operating Instructions

PORTA-QUAD®

Ultra lightweight, rapid assembly, stable lifting structure
perfectly designed for moving heavy submersible pumps.



500Kg
1000Kg
WLL



1
1
person



bagged 28Kg
bagged 38Kg

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1. INTRODUCTION

All users must read these operating instructions carefully prior to the initial operation. These instructions are intended to acquaint the user with the machine/hoist and enable him/her to use it to the full extent of its intended capabilities.

The operating instructions contain important information on how to handle the machine/hoist in a safe, correct and economic way. Acting in accordance with these instructions helps to avoid dangers, reduce repair costs and down time and to increase the reliability and lifetime of the gantry frame. Anyone involved in doing any of the following work with the lifting frame must read the operation instructions and act accordingly:

- operation, including preparation, trouble shooting during operation and cleaning
- maintenance, inspection, repair
- transport

In addition to the operating instructions and the accident prevention act valid for the respective country and area where the lifting frame is used, the commonly accepted regulations for safe and professional work must also be adhered to.

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2. OPERATING INSTRUCTIONS

2.1 CORRECT OPERATION:

Maximum capacity:

The PORTA-QUAD lifting frame assembly was designed to lift and lower loads up to the related capacity. The capacity indicated on the frame is the working load limit (WLL) which must not be exceeded. The PORTA-QUAD is not suitable for the lifting of personnel.

Danger zones:

- Do not lift or transport loads while personnel are in the danger zone.
- Do not allow personnel to pass under a suspended load.
- After lifting a load must not be left unattended.
- Start moving the load only after it has been attached correctly and all personnel are clear of the danger zone.

Attaching the load:

The operator must ensure that the hoist is attached in a manner that does not expose him or other personnel to danger by the hoist, chain(s) or the load.

Temperature range:

The PORTA-QUAD lifting frame assembly can be operated in ambient temperatures between -10°C and +50°. Consult the manufacturer in case of extreme working conditions.

Regulations:

The accident prevention act and/or safety regulations of the respective country for using manual lift equipment must be strictly adhered to.

Maintenance/Repair:

In order to ensure correct operation not only the operations instructions, but also the conditions for inspection and maintenance must be complied with. If defects are found stop using the lifting frame immediately.

2.2 NOTES FOR CORRECT USAGE:

- Do not throw the lifting frame or its components down or stack items on top of it. Always place properly on the ground avoiding damage to the equipment.
- Assemble only as instructed.
- Attach hoist only to the lifting point.
- Avoid side pull. Lift only when load chain forms a straight and vertical line between load and lifting attachment point.
- Do not allow load to swing.



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2.3 INITIAL ASSEMBLY AND SAFE OPERATION:

Inspection before starting work:

The inspection procedure requires that a valid test certificate has been submitted to and checked by the user.

Before starting work inspect the PORTA-QUAD lifting frame assembly and all load-bearing components for visual defects.

Assembly

Assembly can be carried out by one person.

We recommend the use of gloves when assembling and using this item.

Lay the corner brackets down in a square approximately 1500mm².

This should be done near the area where

- you would like to perform the lift but at a safe distance from any hazard; the structure can be moved into place after it has been assembled.*



- Connect the corner brackets with the base frame members inserting pins and R-clips.



- Connect lower legs to upper legs with two pins and R-clips in each bracket.



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- 4 Connect the base assembly to the legs and head assembly by lifting into place and inserting a clevis pin in each leg securing with an R-clip one at a time.



- The structure is then ready to be moved carefully into position for the lift. With the levelling feet option the unit should be
- 5 lifted into position by four persons. The lifting accessory (chain block, etc) should be attached when practical to do so that keeps the operator away from the hazard.



Inspection prior to initial operation:

Each structure must be inspected prior to initial operation by a competent person. The inspection is visual and functional and shall establish that the lifting frame is safe and has not been damaged by incorrect transport or storage. Inspections should be made by a representative of the manufacturer or the supplier although the company can assign its own suitably trained personnel. Inspections are instigated by the user.

2.4 INSPECTION/MAINTENANCE:

Regular inspections:

To ensure that the PORTA-QUAD lifting frame remains in safe working order it must be subjected to regular inspections by a competent person. Inspections and re-tests are to be annual unless adverse working conditions dictate shorter periods. The components of the gantry frame are to be inspected for damage, wear, corrosion or other irregularities. To check for worn parts it may be necessary to disassemble the frame. Repairs may only be carried out by a specialist workshop that uses original spare parts.

Inspections are instigated by the user.

E&OE

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