

User Guide

Gas Bottle Storage Cage



Product Information Overview

The Conquip Gas Bottle Storage Cage is a robust, galvanised security cage specially designed for storing gas cylinders. It features a unique modular bolt-together design using individual panels, making it quick and easy to construct and dismantle.

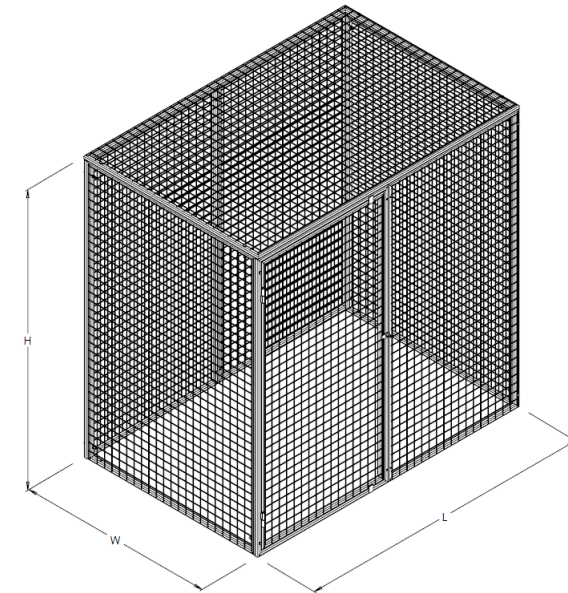
The cage is suitable for use on site or in a storage yard. It comes ready to assemble with all fixings, and can be stored as individual panels when not in use.

Key Benefits

- Many standard sizes available for safe storage of LPG, Oxygen and Acetylene Gas bottles.
- Quick and easy to assemble and dismantle, it comes ready to assemble with all fixings.
- Robust construction using galvanised 25mm box sections and 3mm wire mesh, for durability and weather resistance.
- Ability to fix to the ground for extra stability and security.
- Conforms to all current legislation.

Product Information Specification

Item	Product Code
Gas Bottle Storage Cage 1458	ST115-01458
Gas Bottle Storage Cage 2812	ST115-02812
Gas Bottle Storage Cage 2916	ST115-02916
Gas Bottle Storage Cage 3888	ST115-03888
Gas Bottle Storage Cage 5832	ST115-05832



¹Working Load Limit

Product Code	Height	Width	Length	Weight
ST115-01458	1800mm	900mm	900mm	67kg
ST115-02812	1800mm	1200mm	1200mm	87kg
ST115-02916	1800mm	900mm	1800mm	98kg
ST115-03888	1800mm	1200mm	1800mm	108kg
ST115-05832	1800mm	1800mm	1800mm	135kg

Original Working Instructions

Usage Instructions

Important Usage Notes

- Assemble on flat even ground to ensure fixings are correctly installed and avoid the risk of bending or twisting the frame and fixings.
- One person should not attempt to lift and turn the cage on their own.

Assembly Instructions

1. Lay out all the panels and check supplied fixings.
2. Start with the storage cage roof panel on flat ground, with the inside facing up.
3. Take one of the four sides and fasten the top to the roof panel, using appropriate fixings and pre-drilled holes.
4. Take the adjacent side panel and, again, fix the top to the roof panel.
5. Fasten the two side panels to each other.
6. Continue with the remaining panels including the door panel- fixing to the upturned roof panel then to each other.
7. Once all of the side panels are fixed to the roof, ensure all the fixings are securely fastened.
8. Turn the cage over, using either an appropriate machine, or 3 or people. Take care of crush risks of hands and feet.
9. Place on level ground and fix to the ground as necessary.
10. Check the door can swing freely within the frame. The Gas Bottle Storage Cage is now ready to use.

Original Working Instructions

Safety Instructions

Basic Safety

A site-specific Risk Assessment, and lift plan where applicable, must be completed by the responsible person before using this equipment to control risks, produce a safe system of work and ensure safety for you, your colleagues and others. Your risk assessment will determine the correct Personal Protective Equipment (PPE) for the task you are doing. You must use it. Conquip recommends that you should wear:

- Suitable clothing
- Gloves
- Hard hat
- Protective footwear (steel toecaps)
- Safety glasses



Important Safety Notes

- Read these instructions before using this equipment. If there is anything you do not understand or if you have any concerns do not use this equipment. Contact your supervisor or Conquip Engineering Group for advice.
- You must check that you have considered all the safety requirements for the task you are doing and that this equipment is suitable.
- You must protect bystanders and the general public by preventing access to the working area.
- Do not use this equipment if you are tired, unwell or under the influence of alcohol or drugs. If you are taking any medicine or undergoing treatment you should inform your supervisor.

Usage & Transportation

- Never unevenly load this equipment.
- The weight of the equipment, together with its attachments, must be added to the weight of the load when calculating the total load that will be imposed on the lifting apparatus / operating machine.
- This equipment must be used in conjunction with the load ratings of the lifting apparatus / operating machine. (Refer to the manufacturers' load ratings and original working instructions).
- Make sure you know how to use this equipment and understand all aspects of its operation in case of emergency.
- This equipment weighs more than 25kg. Do not lift or manhandle without machine assistance.
- Do not operate this equipment near overhead power lines.
- Take care in confined spaces, near ceilings or similar hazards. This equipment was designed for vertical lifting. Do not drag, or swing.
- Before operating this equipment, check that you have enough space for you to work safely and make sure that the working area is clear of hazards, obstructions and personnel.
- Before lowering equipment make sure that the landing zone is clear and capable of accepting the size and weight of the load.
- Crush Risk. Keep hands and feet clear of the equipment at all times to avoid injury.
- Do not exceed the maximum Working Load Limit (WLL) shown on the serial plate. Ensure that the WLL on the individual lift points is not exceeded.

Personnel

- All personnel must wear relevant personal protective equipment.
- Do not wear loose clothing or jewellery and tie back long hair to avoid becoming tangled or trapped in this equipment. You must make everyone in the work area aware of what you are doing.
- All personnel involved in the lifting operation must be competent to do so and must have been briefed in conjunction with this User Guide available from Conquip Engineering Group, the manufacturer.

Equipment Maintenance & Cleaning

- It is mandatory that the equipment is thoroughly examined regularly, by a qualified engineer, to ensure compliance with relevant regulation/s. (Conquip recommend to carry out thorough examination every six months).
- This product may incorporate various loose and detachable items of lifting gear. Refer to the separate requirements for the safe use of those items.
- When not being used, store the unit in a clean, upright condition and in a safe place where it will be protected from thieves and unauthorised users.
- This equipment must be inspected by the responsible person before each use and then regularly, as determined by your risk assessment or working practice. If you have any concerns about condition or suitability do not use.

Disclaimer

Warranty

The products supplied by Conquip Engineering Group are all guaranteed by a 12 month warranty.

Apart from where exceptions apply, Conquip Engineering Group promises to repair or replace any fault which the Company considers to be due to defective material or workmanship within 12 months of the date of sale, at no additional cost.

- Faults arising from unauthorised alterations (see modifications section below for full details).
- Damage caused by abuse, neglect, misuse or falling.
- Damage caused because of failure to follow transportation, storage, loading, cleaning or operating instructions.
- Replacement or repair of components due to fair wear and tear.
- Any consequential damage or wear arising from the use or fitting of additional or non-standard parts.

Modifications

If any third-party modifications or alterations, involving drilling, welding, cutting or distortion of materials in any form, are to be carried out on the product, Conquip Engineering Group must provide full written approval prior to the work being carried out.

Alterations, modifications, additions or repairs must be carried out by Conquip Engineering Group's recognised distributors, if they are not carrying out the work themselves.

Conquip Engineering Group operate a continuous improvement policy and therefore reserve the right to alter technical specifications and user guide details at any point without notice.

Conquip Engineering Group will not cover or reimburse any transportation and/or shipment costs to and from their premises or their recognised agents, or any material and/or labour costs for repair, replacement or assessment against a warranty claim.

Conquip Engineering Group and/or their directors, employees, insurers or recognised agents will not be held liable for consequential damages, losses or expenses relating to the inability to use the product correctly for its purpose.

EC Declaration of Conformity

In accordance with EN ISO 17050-1:2004

Declaration: As defined by the Machinery Directive 2006/42/EC and subsequent amendments

We, CONQUIP ENGINEERING GROUP, herewith declare that the following indicated equipment meets the fundamental health and safety requirements concerning the EU guide line(s), due to their design and manufacture.

This declaration will be rendered null and void if the machine is changed without our approval.

Signed:



Dated: 2018

Garry Critchley, Managing Director

**Product
Code(s):**

ST115-01458 / STL115-02812 / ST115-02916 / ST115-03888 /
ST115-05832

**EC Directive/
Regulation:**

2006/42/EC,
Lifting Operations and Lifting Equipment Regulations 1998
Provision and Use of Work Equipment Regulations 1998

**Harmonised
Standards:**

BS EN ISO 12100:2010
BS EN 13155

**General
Description/
Designation:**

Gas Bottle Lifting Cage – ST115-01458 / STL115-02812 /
ST115-02916 / ST115-03888 / ST115-05832

WLL:

ST115-01458 / STL115-02812 / ST115-02916 / ST115-03888 /
ST115-05832 = N/A

Important Notes

- This User Guide is for this Conquip product only.
- Any movements of the product must be thoroughly planned before the work commences to identify potential hazards and assess risk.
- All personnel involved in lifting and transportation of this product must have read this User Guide and must be properly briefed.
- You must be competent, alert and medically fit when using this equipment. If you have a medical condition, a mental or physical disability, you must seek advice from a medical professional before using this equipment.

Talking to us is easy

We're here to help

Call us on 0845 520 1101

Email us at sales@cqegroup.com

www.cqegroup.com

Conquip Engineering Group

Waterbrook Estate, Alton, Hampshire, GU34 2UD