USER GUIDE

REBAR LIFTING CAGE





DISCLAIMER

Do not attempt to handle or operate this equipment before you have received sufficient training. Before use, operatives must have carried out all checks featured on the Visual Inspection Sheet on page 11. It is imperative that you have read the General Safety Instructions on page 12 and sufficiently familiarised yourself with the Operational Procedures in this document.

Note that this item is compliant only to the standards specified in this User Guide and it is therefore the duty of the responsible person(s) to review and ensure compliance.

CONTENTS

PRODUCT INFORMATION

INTRODUCTION 04
SPECIFICATION 05
COMPATIBILITY 07

OPERATIONAL PROCEDURES

IMPORTANT USAGE NOTES 08
LOADING THE CAGE 08
LIFTING THE CAGE WITH A CRANE 08
LIFTING THE CAGE WITH A FORKLIFT 09

MAINTENANCE & INSPECTION

MAINTENANCE REGIME 10
SAFETY DECALS 10
VISUAL INSPECTION SHEET 11

GENERAL SAFETY INSTRUCTIONS

SAFETY INSTRUCTIONS 12
GENERAL NOTES 13

LEGAL

TERMS AND CONDITIONS 14
EC DECLARATION OF CONFORMITY 18
STANDARDS AND REGULATIONS APPLICABLE 19

INTRODUCTION

OVERVIEW

The Conquip Rebar Lifting Cage is a robust and secure cage for transporting lengths of rebar safely around site. It is designed specifically for rebar with its elongated length and narrow width.

The cage is transported vertically using a crane. The short ends feature a shackle on one end for attaching to the crane hook and a roll frame on the other end, ensuring a smooth transition as the cage is raised from the horizontal load position to the vertical lift position.

Tie-down points ensure the load is kept secure while in use. Fork pockets allow the cage to be transported around site using a forklift or telehandler when empty.

KEY BENEFITS

- Robust design.
- Suitable for lengths of rebar from 3300mm to 6400mm.
- Roll frame ensures a smooth action as the cage is raised off the ground.
- Tie-down points to keep loads secure.
- Fork pockets for easy manoeuvrability around site when empty.

SPECIFICATION



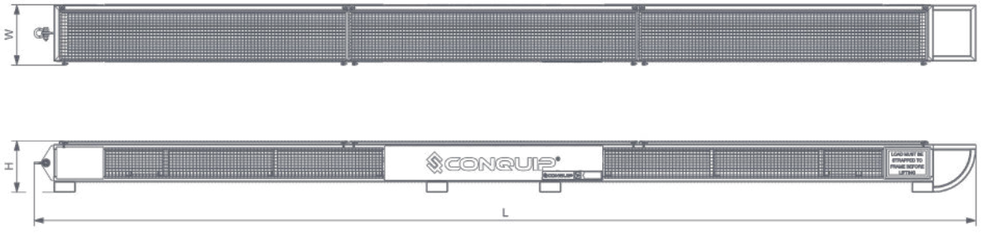
CODE	MASS (kg)	WLL* (kg)
CA242-00442	240	2000

*Working Load Limit

support@cqegroup.com | +44 (0) 333 300 3470 | www.cqegroup.com

SPECIFICATION

ITEM	PRODUCT CODE
Rebar Lifting Cage	CA242-00442



LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
7194	455	385

COMPATIBILITY

REBAR LIFTING CAGE



REBAR DIAMETER (mm)	REBAR LENGTH (mm)	CAPACITY (lengths)
T6	6400	1400
T8	6400	790
T10	6400	500
T12	6400	350
T16	6400	195
T20	6400	125

OPERATIONAL PROCEDURES

IMPORTANT USAGE NOTES

- Rebar must be strapped down using at least two strap points and secured before lifting the cage.
- Rebar must be sitting against the bottom plate before lifting the cage.
- Minimum rebar length of 3300mm.
- Never exceed the WLL of the cage.

LOADING THE CAGE

01. To load the cage, first lay it horizontally on a level surface.
02. Remove the linchpins from the top of the cage and fold the doors over to access the inside.
03. Load the cage with appropriately sized rebar lengths, ensuring they sit against the bottom plate.
04. Once the cage has been loaded, secure the rebar lengths using the tie-down points.
05. Close the cage doors and refit the linchpins to secure it.

LIFTING THE CAGE WITH A CRANE

01. Attach the crane hook to the cage's shackle using a suitably rated single leg chain.
02. Slowly raise the crane arm to raise the unit off the ground. As the cage is lifted, the roll frame will prevent the cage from swinging.
03. Raise the cage just off the ground to ensure the load is balanced and secure.
04. Using a banksman to guide the lift, move the cage to the desired location on-site.
05. Lower the cage and use the roll frame to slowly lay the cage horizontally on the ground.

LIFTING THE CAGE WITH A FORKLIFT

01. The cage must only be transported via a forklift when empty.
02. To lift the Rebar Lifting Cage with a forklift, set the machine's forks to the correct width for the Rebar Lifting Cage's fork pockets. Make sure that they are equidistant from the centre.
03. Drive the forklift to the Rebar Lifting Cage, aligning the forks with the fork pockets.
04. Move the forklift forward until the forks are fully inserted into the fork pockets. The Rebar Lifting Cage is now ready to lift.
05. Carefully raise the cage just off the ground and check for balance and security.
06. Carefully transport the cage to its required destination, taking care not to jolt.
07. When in position, the cage can be lowered onto firm, level ground.
08. Reverse the forklift or telehandler until the fork tines are clear of the cage's fork pockets.

MAINTENANCE & INSPECTION

MAINTENANCE REGIME

- It is mandatory that the equipment is thoroughly examined regularly, by a qualified engineer, to ensure compliance with relevant regulations. Conquip recommend carrying out a thorough examination every six months.
- This machinery may incorporate various loose and detachable items including, but not limited to pins, bolt assemblies and adaption plates. Refer to the separate requirements for the safe use of those items.
- When not being used, store the unit in a clean and safe place where it will be protected from thieves and unauthorised users.
- This machinery 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 the machinery's condition or suitability, do not use it.

SAFETY DECALS

These are the safety decals featured on the machinery. When carrying out the visual inspection of the machinery, please ensure all decals are present before checking this item off the list.





VISUAL INSPECTION CHECKLIST

INSPECTION ITEMS	RESULTS		COMMENTS
	SATISFACTORY	UNSATISFACTORY	
Serial Number			CQ.....
Product Code			
Working Load Limit (kg)			
Conforms to user guide specification			
Check frame condition			
Check base plate condition			
Check skate condition			
Check lift point for wear or damage			
General visual inspection of the body			
SIGNATURE			
Name	Position	Qualification	Signature & Date

GENERAL SAFETY INSTRUCTIONS

The equipment should be properly operated and maintained to keep it in a safe, efficient operating condition. Be sure that all fixings and components are free of mud or other matter that might cause issues hazardous to the operator, serviceman, or other personnel or equipment. Report all malfunctions to those responsible for maintenance, and do not operate the equipment until corrected. Normal service or maintenance performed as required can prevent unexpected and unnecessary downtime.

This operations manual describes general inspections, servicing and operation with the normal safety precautions required for normal servicing and operating conditions. It is not a guide, however, for abnormal conditions or situations, and therefore, servicemen and operators must be safety conscious and alert to recognise potential servicing or operating safety hazards at all times, and take necessary precautions to assure safe servicing and operation of the machine.



M002
Refer to instructions manual



M004
Wear eye protection



M008
Wear safety footwear



M009
Wear protective gloves



M010
Wear protective clothing



M014
Wear head protection



M015
Wear high-visibility clothing

GENERAL NOTES

- Read this operations manual and learn the operating characteristics and limitations of the equipment. Know what operating clearances the machine requires.
- Read and understand all the safety signs prior to operation.
- If the safety signs are obstructed by dirt or debris, clean them using mild soap and water prior to operation.
- If the safety signs are damaged or illegible, replace them immediately, prior to operation.
- Be aware of operating hazards that weather changes can create on the job. Know proper procedures to follow when a severe rain or electrical storm strikes.
- Never attempt to operate or work on machinery when not feeling physically fit.
- Never wear loose clothing, rings, watches, heavy gloves etc., that might catch and result in injury.
- Know what safety equipment is required and use it. Such equipment may be: hard hat, safety glasses, reflector type vests, protective gloves and safety footwear.

TERMS & CONDITIONS

CONQUIP ENGINEERING GROUP STANDARD PRODUCT WARRANTY

01. COMMENCEMENT

1.1 This Warranty shall commence on the Commencement Date and shall continue until the earlier of:

(a) the Expiry Date; or

(b) the date on which it may be voided in accordance with clause 4.1(b)

when it shall terminate automatically without notice.

02. DUTY OF GOOD FAITH

2.1 The Purchaser shall in the exercise of its rights under this Warranty and in the compliance with its obligations under this Warranty be subject to and shall in all respects owe and comply with a duty of good faith to the Warrantor.

03. NATURE AND EXTENT OF COVER

3.1 Subject to clause 3.2 the Warrantor agrees and undertakes to the Purchaser that it shall be liable to the Purchaser under and in accordance with the terms of this Warranty in the event that:

(a) prior to the Expiry Date the Purchaser shall notify a Warranty Claim to the Warrantor; and

(b) the Equipment or any relevant part of the Equipment shall have become unusable as the result of defective material or defective workmanship prior to the Expiry Date.

3.2 The Warrantor's obligation under clause 3.1 shall be expressly subject to the provisions of clauses 4, 5 and 6 and conditional upon the Purchaser's compliance in full with the provisions of clause 7.

04. RESTRICTIONS

4.1 The following restrictions apply to this Warranty:

(a) This Warranty is personal to the Purchaser and neither the legal benefit nor legal burden of this warranty may be assigned or novated or otherwise transferred by the Purchaser to any other party. Any purported assignment, novation or transfer shall not be binding upon the Warrantor.

(b) This Warranty shall be void in the event that the Purchaser:

(i) cannot provide authentic and original documentary evidence that the Purchaser has during the period between the Commencement Date and the Expiry Date complied with the Maintenance and Servicing Requirements; and/or

(ii) has, during the period between the Commencement Date and the Expiry Date, exceeded the Purchaser's Usage Cycle Parameters; and/or

(iii) has, during the period between the Commencement Date and the Expiry Date, exceeded the Purchaser's Use Parameters; and/or

(iv) has carried out, or procured the carrying out by any third party of, any repair to the Equipment or any part of the Equipment which is not an Authorised Repair; and/or

(v) has operated the Equipment after having replaced any part of the Equipment with a part which has not been supplied and fitted by the Warrantor; and/or

(vi) has modified the Equipment in any way prior to use.

05. EXCLUSIONS

5.1 The following are excluded from the scope of this Warranty:

(a) Loss of and/ or damage to the Equipment or any part of it resulting from any collision between the Equipment and any other fixed or stationary or mobile object whatsoever, irrespective of whether that collision was or was not caused by the Purchaser; and/or

(b) Loss of and/or damage to any personal property and/or possessions or other equipment not forming part of the Equipment but which is present in or about the Equipment; and/or

(c) loss and/or damage which is covered by any other insurance policy taken out and maintained by the Purchaser or in respect of which the Purchaser has a contractual obligation to do so; and/or

(d) loss and/or damage to the equipment which is consistent with the use by the Purchaser of the Equipment:

(i) in compliance with the Maintenance and Servicing Requirements; and

(ii) in compliance with the Usage Cycle Parameters; and

(iii) in compliance with the Use Parameters; and

(iv) having only carried out Authorised Repairs to the Equipment; and

(v) having all and any replacement parts fitted by the Warrantor; and

(vi) in unmodified form.

06. LIMITATION OF LIABILITY

6.1 The Warrantor's liability to the Purchaser shall be limited as follows:

(a) The Warrantor shall not in any circumstances be liable to the Purchaser for indirect and/or consequential and/or economic loss suffered and/or incurred as the case may be by the Purchaser; and

(b) The Warrantor shall only be liable to the Purchaser for the reasonable and proper costs reasonably and properly incurred by the Purchaser directly in connection with the repair and/or replacement (at the Warrantor's absolute discretion) of the Equipment or any part of the Equipment; and

(c) The Warrantor's liability to the Purchaser shall notwithstanding any other provision of this Warranty, not in any circumstances exceed the Purchase Price of the Equipment.

07. WARRANTY CLAIMS

7.1 The Purchaser shall in respect of any claim against the Warrantor under this Warranty and within 24 hours of the occurrence of the subject matter of the Warranty Claim:

(a) Complete in full and submit to the Warrantor a Warranty Claim in the form annexed to Schedule 4;

(b) Provide date stamped or date identifiable photographs evidencing the claim; and

(c) Make the Equipment or the relevant part of the Equipment available to the Warrantor for inspection within 48 hours of notification of the relevant Warranty Claim.

08. ENTIRE AGREEMENT

8.1 This Warranty constitutes the entire agreement between the parties and supersedes and extinguishes all previous promises, assurances, warranties, representations and understandings between them, whether written or oral, relating to its subject matter.

8.2 Each party agrees that it shall have no remedies in respect of any statement, representation, assurance or warranty (whether made innocently or negligently) that is not set out in this Warranty. Each party agrees that it shall have no claim for innocent or negligent misrepresentation or negligent misstatement based on any statement in this Warranty.

No variation of this Warranty shall be effective unless it is in writing and signed by the parties (or their authorised representatives).

09. WAIVER

No failure or delay by a party to exercise any right or remedy provided under this Warranty or by law shall constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.

10. SEVERANCE

10.1 If any provision or part-provision of this Warranty is or becomes invalid, illegal or unenforceable, it shall be deemed deleted, but that shall not affect the validity and enforceability of the rest of this Warranty.

10.2 If any provision or part-provision of this Warranty is deemed deleted under clause 10.1 the parties shall negotiate in good faith to agree a replacement provision that, to the greatest extent possible, achieves the intended commercial result of the original provision.

11. THIRD PARTY RIGHTS

11.1 This Warranty does not give rise to any rights under the Contracts (Rights of Third Parties) Act 1999 to enforce any term of this Warranty.

12. GOVERNING LAW

12.1 This Warranty and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation shall be governed by and construed in accordance with the law of England and Wales.

13. JURISDICTION

13.1 Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with this Warranty or its subject matter or formation.

EC DECLARATION OF CONFORMITY

IN ACCORDANCE WITH EN ISO 17050-1:2004

Declaration: As defined by the Equipment 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 guideline(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: 2024**

Garry Critchley, Chief Executive Officer

PRODUCT CODES	GENERAL DESCRIPTION / DESIGNATION	WORKING LOAD LIMIT
CA242-00442	Rebar Lifting Cage	2000kg

ITEM	CODE	DESCRIPTION
EC DIRECTIVE/ REGULATION	2006/42/EC	Directive 2006/42/EC- new equipment directive
HARMONISED STANDARDS	BS EN ISO 12100:2010	Safety of equipment General principles for design Risk assessment and risk reduction
	ISO 11697:1995	Bases for designs of structures
	BS EN 13155-2020	Crane safety. Non-fixed load lifting attachments
	AS4991-2004	Lifting devices for crane hooks
OTHER REGULATIONS	LOLER 1998	Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)
	PUWER 1998	Provision and Use of Work Equipment Regulations 1998 (PUWER)

TALKING TO US IS EASY

WE'RE HERE TO HELP

Call us on 0333 300 3470
Email us at sales@cqegroup.com
www.cqegroup.com

Copyright © 2024 Conquip Engineering Group. All Rights Reserved.
Rebar Lifting Cage- Issue 2