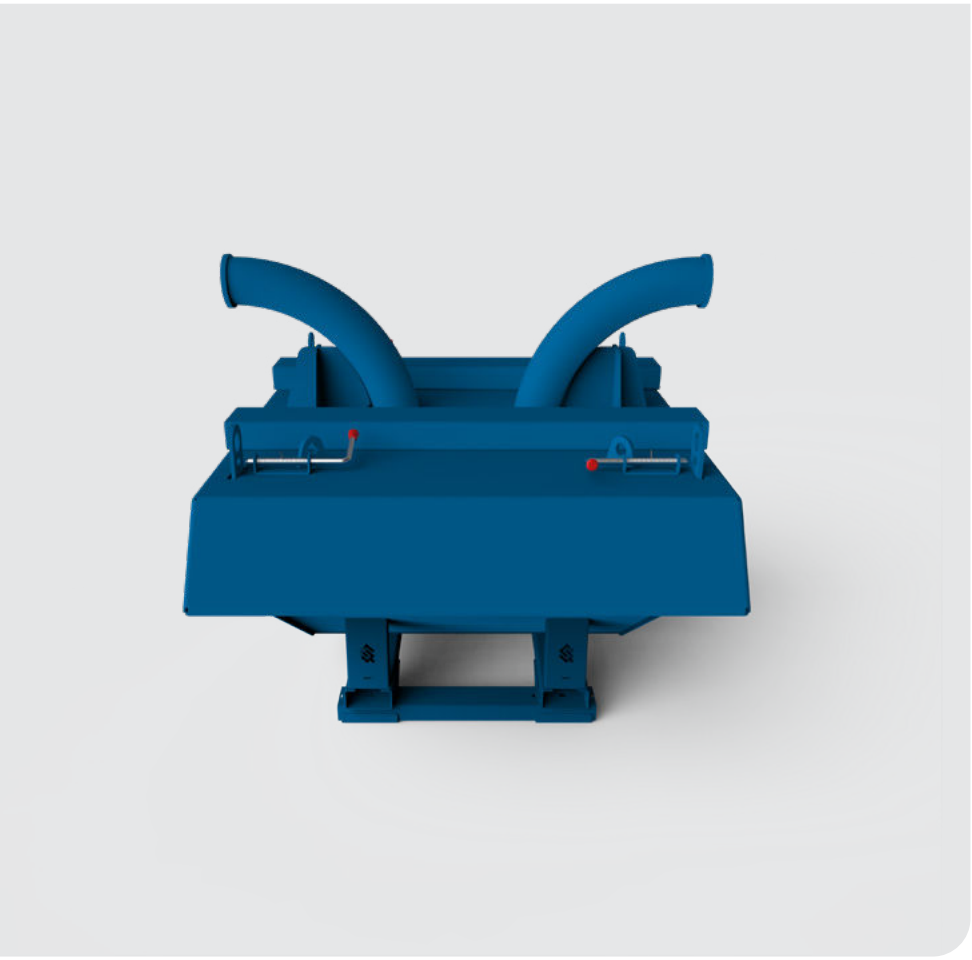
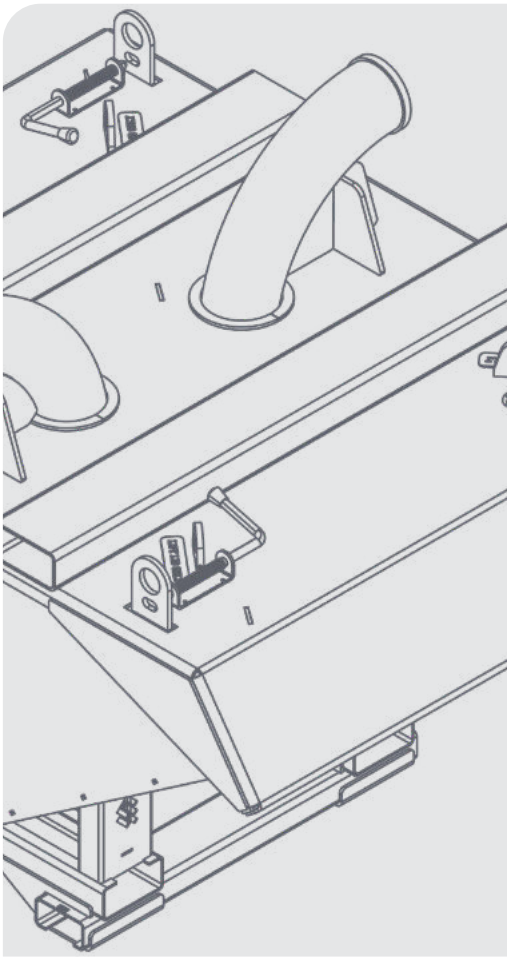
USER GUIDE

# AUTOLOCK BLOWOUT SKIP





# 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 12-13 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.



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# INTRODUCTION

## OVERVIEW

The Conquip Autolock Blowout Skip is a safe and simple way of facilitating blowout of concrete pump lines. Enabling blowout directly to a skip allows the concrete in the pump line to be transported and used to complete the pour rather than letting it go to waste.

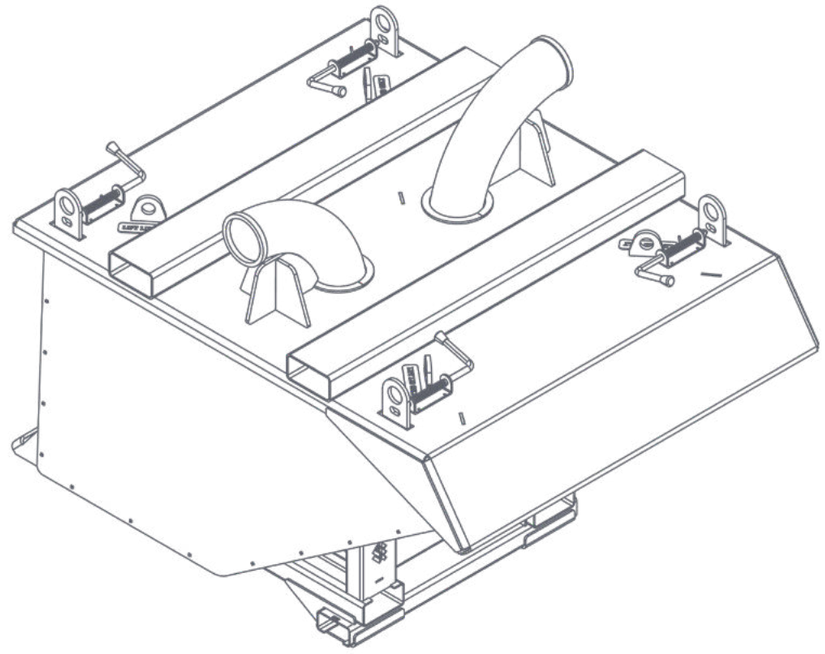
## KEY BENEFITS

- Concrete pump lines can be cleaned through directly into the concrete washout system and waste water can be reused.
- Complete with crane lifting points to enable easy manoeuvrability of the skip to higher locations on-site.
- The lid features fork pockets and crane lifting points for easy removal.
- Complete with locking arms to prevent the cover from moving when blowout is taking place or during transportation.
- Autolock design with gas assisted ram ensures automatic locking of the skip to the forks and prevents it accidental tipping.



PRODUCT INFORMATION

# SPECIFICATION

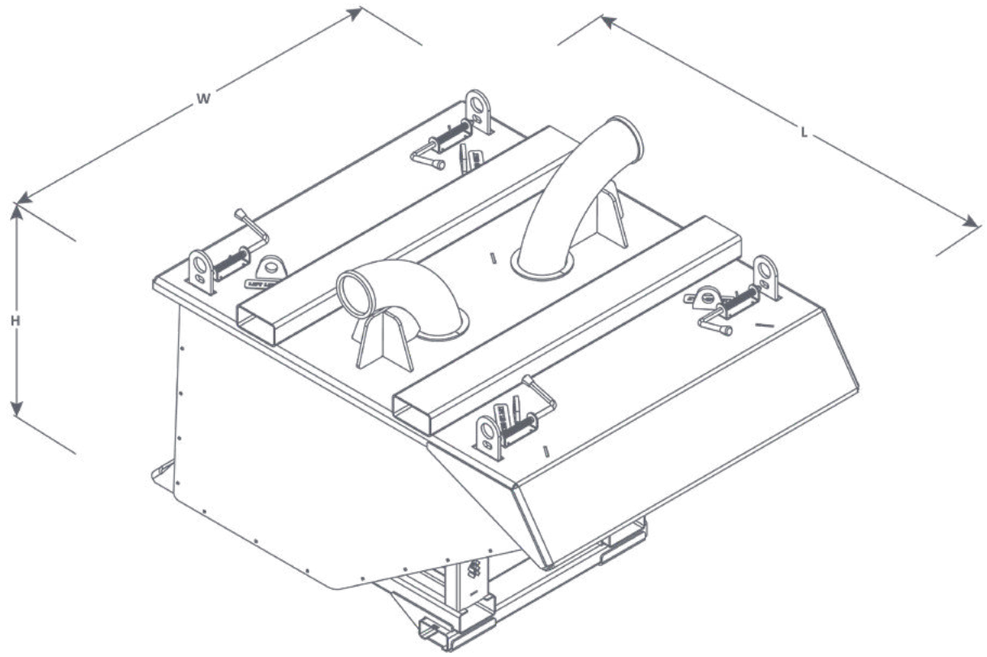


| CODE | WEIGHT (kg) | LID WEIGHT (kg) | WLL* (kg) | CAPACITY (litres) |
|---|---|---|---|---|
| CS235AF-01200 | 515 | 225 | 3600 | 1200 |

*Working Load Limit

# SPECIFICATION

| ITEM | PRODUCT CODE |
|---|---|
| Autolock Blowout Skip | CS235AF-01200 |




| LENGTH (mm) | WIDTH (mm) | HEIGHT (mm) |
|---|---|---|
| 1925 | 1450 | 1450 |

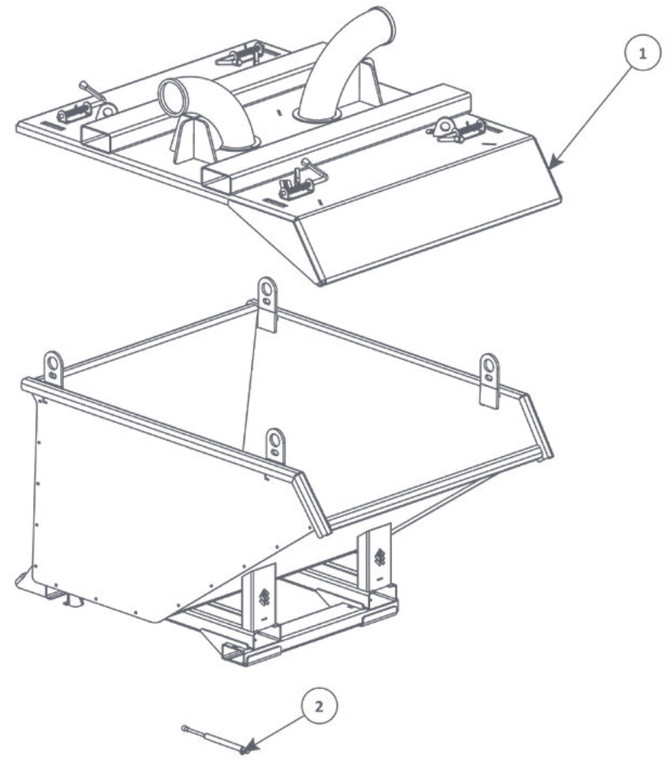






# PARTS DIAGRAM

## AUTOLOCK BLOWOUT SKIP




| ITEM NUMBER | PART | DESCRIPTION | QUANTITY |
|---|---|---|---|
| 1 | CS238-01200* | Blowout Lid | 1 |
| 2 | ZZ110015 | Gas Strut | 1 |

*Serialised part

NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

# OPERATIONAL PROCEDURES

## IMPORTANT USAGE NOTES

- There may be more concrete in the line than the skip can take.
- Follow safe usage instructions for the concrete pump to ensure that the line is blown through steadily and does not discharge more concrete than the skip can take.
- Before using the concrete pump, refer to the manufacturer's safety and usage instructions for best practice. These instructions for 'blowout' are only a guide.
- When attaching to lifting equipment, always use a suitably rated certified four leg lifting chain and ensure that the hook's gate is correctly closed and the lifting eye is seated correctly in the hook.
- When lifting, the slinger/ signaller must be positioned away from the skip and should remain visible to the driver of the lifting apparatus.
- This skip is designed to be emptied by a telehandler. Do not empty the skip using a crane.
- The maximum blowout pressure the skip is rated to is 43 kPa (6.2 psi).

## ATTACHING PUMP LINES TO THE SKIP

01. Ensure the lid is secure by checking the spring-loaded shoot bolts are in place.
02. The end of each shoot bolt should be located through the lower hole of the corresponding lifting lug.
03. The skip has two available inlets, 4", or 5". Identify the diameter of the pipe to determine which inlet on the skip lid is to be used.
04. Attach the concrete pump placing boom to the one of the blowout pipes on the lid. Due to the maximum pressure the skip is rated to, Conquip suggest using flexible pipes.
05. Sufficiently secure the pipe to the inlet. This may be using a clamp or similar.
06. The other inlet must be left open to act as a vent during blowout.

## BLOWING OUT CONCRETE PUMP LINES

01. Following safe usage instructions for the pump, blow the concrete pump line through and discharge remaining concrete into the skip.
02. Disconnect the placing boom.
03. The Autolock Blowout Skip can also be used to clean the concrete pump line with water, or the best practice method suggested by the concrete pump manufacturer, in the same way as the blowout was carried out.





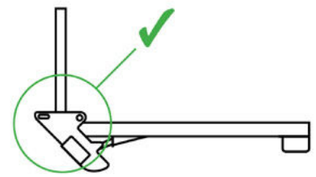

04. When blowout and cleaning of the pump line is complete, the lid can be removed. Both the skip and the lid can then be cleaned and the concrete removed.

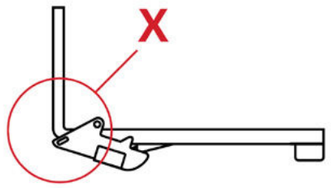
## REPLACING THE LID

05. Fit the blowout lid to the 'mouth' of the Autolock Tipping Skip using either a forklift or crane, or other suitable lifting apparatus to lift and place the lid over the skip, ensuring the lifting points of the skip protrude through the cut out slots on the lid.
06. If using a forklift, drive the forks fully into the fork pockets of the lid and raise and manoeuvre as required.
07. If using a crane, or similar, attach a suitably rated four leg lifting chain to the four lifting points of the lid, and attach the chain to the lifting apparatus. Lift and manoeuvre as required.
08. Once the lid is in place, secure onto the skip using the spring loaded shoot bolts. Pull the shoot bolts back and release through the lower holes of the skip crane lifting points.

## EMPTYING THE SKIP

01. To avoid ground contamination, do not remove the lid until the skip is located in the discharge area.
02. Using a forklift or crane, move the loaded skip to the discharge area on-site. via the skip's fork pockets or four crane lifting points. Do not lift the skip using the lid's three lifting points or fork pockets.
03. Once the skip is in position, undo the shoot bolts and carefully remove the lid using the lid's fork pockets or crane lifting points.
04. Operatives must use a telehandler to empty the Autolock Blowout Skip.
05. Insert the forks fully into the fork pockets and raise the skip off the ground. Upon lifting, the Autolock mechanism will automatically rise onto the locked position.
06. IMPORTANT: If the skip cannot be secured correctly do not continue and contact Conquip Engineering Group for advice. [add mechanism drawings- tick and cross]






07. Once empty, refit the lid.

# 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 equipment 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, 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 the equipment's condition or suitability, do not use it.





## VISUAL INSPECTION CHECKLIST

| INSPECTION ITEMS | RESULTS | | COMMENTS |
|---|---|---|---|
| | SATISFACTORY | UNSATISFACTORY | |
| Serial Number | | | CQ..... |
| Product Code | | | |
| Working Load Limit (Kg) | | | |
| Conforms to user guide specification | | | |
| Check the base for bends or distortion | | | |
| Check the main body splits or bends | | | |
| Check Autolock locking mechanism working | | | |
| Check lift points condition | | | |
| Check the operation of lid bolts | | | |
| General visual inspection of the body | | | |
| SIGNATURE | | | |
| Name | Position | Qualification | Signature & Date |
| | | | |

# GENERAL SAFETY INSTRUCTIONS

The machinery 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 machinery. 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.

# DESIGN CONFORMITY (EC & UK)

(01) This certificate meets the requirements of the Machinery Directive 2023/42/EC of the European Parliament and Council.

(02) This certificate meets the requirements of the Supply of Machinery (Safety) Regulations 2008.

## DETAILS

| NAME & ADDRESS OF MANUFACTURER: |
|---|
| Conquip Engineering Group Ltd, Unit 4, Waterbrook Estate, Alton, Hampshire. GU34 2UD |

| NAME & ADDRESS OF PERSON TO COMPILE TECHNICAL FILE: |
|---|
| Name: Daniel Critchley<br>Address: Conquip Engineering Group, Unit 4, Waterbrook Estate, Alton, Hampshire. GU34 2UD |

| NAME & ADDRESS OF AUTHORISED REPRESENTATIVE IF ONE HAS BEEN MANDATED BY THE MANUFACTURER: |
|---|
| N/A |

| NAME, ADDRESS, AND IDENTIFICATION NUMBER OF THE NOTIFIED BODY (01) OR APPROVED BODY (02), WHERE APPLICABLE: |
|---|
| N/A |

## EQUIPMENT DESCRIPTION

| PRODUCT CODES | GENERAL DESCRIPTION / DESIGNATION | WORKING LOAD LIMIT |
|---|---|---|
| CS235AF-01200 | Autolock Blowout Skip | 3600 |







## HARMONISED STANDARDS & REGULATIONS

| ITEM | CODE | DESCRIPTION |
|---|---|---|
| EC DIRECTIVE/ REGULATION | 2006/42/EC | Directive 2006/42/EC- new machinery directive |
| HARMONISED STANDARDS | BS EN ISO 12100:2010 | Safety of machinery General principles for design Risk assessment and risk reduction |
| OTHER REGULATIONS | LOLER 1998 | Lifting Operations and Lifting Equipment Regulations 1998 (LOLER) |
| | PUWER 1998 | Provision and Use of Work Equipment Regulations 1998 (PUWER) |

## DECLARATION

| PLACE OF DECLARATION: |
|---|
| Alton |

| DATE OF DECLARATION: |
|---|
| August 2025 |

I declare that the above equipment meets the Essential Health and Safety requirements of the

(01) Machinery Directive 2023/42/EC of the European Parliament and Council.

(02) Supply of Machinery (Safety) Regulations 2008 and Section 6 of the Health and Safety at Work Etc. Act 1974.

| NAME: | POSITION: | SIGNATURE: |
|---|---|---|
| Daniel Critchley | Chief Operating Officer |  |

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

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Autolock Blowout Skip- Issue 04