

User Guide

# Concrete Column Skip Without Bale Arm

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## Product Information

### Overview

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Conquip's Concrete Column Skip, sometimes known as a Tremmie Skip, is a versatile, all-purpose skip for pouring concrete. Ideal for pouring columns, it can also be used for walls, narrow formwork and pipe laying work.

Robust and well designed, the skip features 2 inverted lifting points which ensure the lifting chains stay at a 45° angle for a balanced lift.

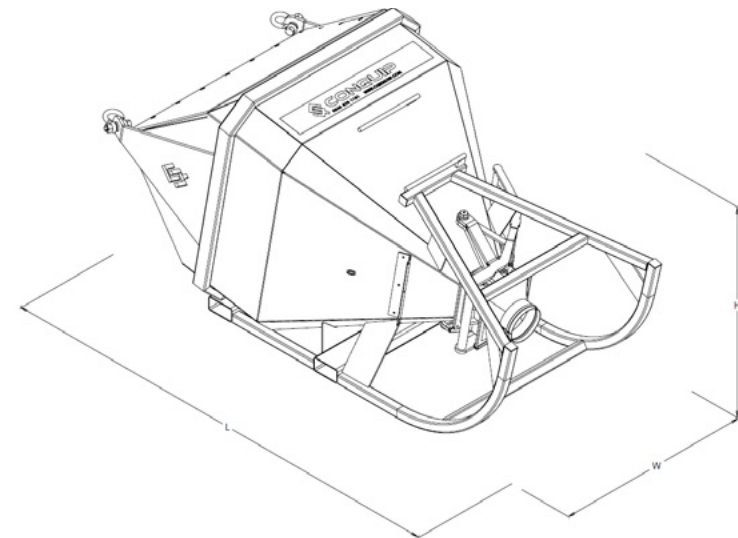
The Concrete Column Skip Without Bale Arm is available in a range of sizes with capacities from 500 litres to 4000 litres. It can be customised to suit your specific requirements, ensuring there is a solution for every project, regardless of crane capacity or the amount of concrete required.

### Key Benefits

- Provided with a 3-metre length of reinforced rubber discharge hose and pull rope for pouring concrete.
- Robust, durable design to withstand wear from use on construction sites.
- A strong spring retractor ensures automatic closing of the discharge gate when pouring is complete.
- Range of sizes with capacities from 500 to 4000 litres.
- Designed to lay horizontally on the ground to assist filling from the concrete truck, when lifted the skip uses the chains to return to its vertical position.

## Product Information Specification

| Item                                       | Product Code  |
|--|---------------|
| Concrete Column Skip without Bale Arm 500  | CS210AA-00500 |
| Concrete Column Skip without Bale Arm 1000 | CS210AA-01000 |
| Concrete Column Skip without Bale Arm 1500 | CS210AA-01500 |
| Concrete Column Skip without Bale Arm 2000 | CS210AA-02000 |
| Concrete Column Skip without Bale Arm 3000 | CS210AA-03000 |
| Concrete Column Skip without Bale Arm 4000 | CS210AA-04000 |



<sup>1</sup>Working Load Limit

| Product Code  | Height | Width  | Length | Weight | WLL <sup>1</sup> | Capacity    |
|---------------|--------|--------|--------|--------|------------------|-------------|
| CS210AA-00500 | 1270mm | 1130mm | 1970mm | 360kg  | 1500kg           | 500 litres  |
| CS210AA-01000 | 1465mm | 1385mm | 2350mm | 490kg  | 3000kg           | 1000 litres |
| CS210AA-01500 | 1660mm | 1590mm | 2450mm | 580kg  | 4500kg           | 1500 litres |
| CS210AA-02000 | 1670mm | 1580mm | 2730mm | 670kg  | 6000kg           | 2000 litres |
| CS210AA-03000 | 2130mm | 1980mm | 3500mm | 1000kg | 9000kg           | 3000 litres |
| CS210AA-04000 | 2350mm | 2150mm | 3830mm | 1480kg | 12000kg          | 4000 litres |

## Original Working Instructions

# Usage Instructions

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### Important Usage Notes

- Control lines should be used but only to allow for light manoeuvring.
- The lifting equipment's hook must be attached to the skip's master link.
- Always ensure that the hook's gate is correctly closed.
- Do not empty the unit all at once as the sheer weight of the concrete may detach the hose from the outlet. Empty the unit in short bursts for more controlled pour and to aid concrete compaction.

### Set Up Instructions

1. Land the skip on level ground, resting upon the roll frames.
2. Attach lifting chains to crane hook via a master link.
3. Check that the skip's flow gate is fully closed and that the gate control spring is correctly connected and in good condition. The spring tension may alter during prolonged use and can be adjusted if required.
4. To adjust the spring tension, turn the adjuster nut clockwise to increase tension and anticlockwise to reduce.
5. Check that the hose is in good condition and correctly positioned and secured to the outlet. An incorrectly positioned or secured hose may separate during a pour.
6. Raise the hose and loop it over the two hose hooks to keep it clear of the ground during filling and lifting.
7. You can now fill the skip with concrete.

## Original Working Instructions

# Usage Instructions

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### Loading, Lifting and Lowering the Skip

1. Before loading the skip, it must be positioned on its back with the flow gate closed.
2. Fill the skip at the hopper end with concrete until the skip is full and the load is level. The skip can now be raised and moved to where its required.
3. To aid manoeuvring, attach control lines to the skip. You can now carefully raise the skip just off the ground and check for balance and security.
4. If all is OK, proceed to move the load to its required position. Move slowly and carefully; do not jolt the load.
5. When in position, lower the load until suspended above the discharge point.
6. Unhook the discharge hose.
7. To pour the concrete, slowly pull down on the gate control rope until the gate opens sufficiently to allow the concrete to flow at the required rate. Do not fully open the gate nor tie it open. You can stop the flow at any time by raising the gate control rope.
8. When discharge is complete, release the gate control rope then loop the hose over the two hose hooks.
9. Move the skip back to the ground.
10. With the skip free of any load, lower it to the ground. If the skip is no longer required, detach lifting chains from crane hook/lifting device.
11. Open the gate and remove all remaining concrete from inside and outside, by hosing down with clean water, before it sets (see cleaning instructions).

## Original Working Instructions

# Usage Instructions

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### Cleaning Instructions

1. The skip must be cleaned of all remaining concrete at the end of each work session, or more frequently if required. There can be no excuse for the unit to fail because of hard concrete residue.
2. Thorough cleaning can be achieved if the gate control spring is disconnected, this will allow you to open the gate fully for hosing down. Always take extreme caution when releasing the gate control. Do not tie the gate control lever in the open position.
3. Once thoroughly cleaned, the spring must be re-fitted to keep the gate closed. If you do not, concrete residue may set in the gate blade channels that will foul its operation.

Original Working Instructions  
**Daily Check Sheet**

✓ - If fit to use    ✗ - If defected and report defect below

| NO. | DAILY CHECK                                | MON | TUE | WED | THUR | FRI | SAT | SUN |
|-----|--|-----|-----|-----|------|-----|-----|-----|
| 1   | Safety Bow Shackle - check split pin       |     |     |     |      |     |     |     |
| 2   | Rope secure and Gate operating correctly   |     |     |     |      |     |     |     |
| 3   | Hose secure and Hose Clip fitted correctly |     |     |     |      |     |     |     |
| 4   | Nuts & bolts tight, Spring attached        |     |     |     |      |     |     |     |
| 5   | Bale Arm Split Pins in shackles            |     |     |     |      |     |     |     |
| 6   | General Visual Inspection of Body          |     |     |     |      |     |     |     |

| WRITE DEFECT HERE |
|-------------------|
|                   |

|                   |  |
|-------------------|--|
| Defect Report to: |  |
| Date:             |  |

|        |  |
|--------|--|
| Sign:  |  |
| Print: |  |

# 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.
- Before lifting, check that the load is secured, balanced and stable. Allow space for the equipment to move if the load shifts.

### 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

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## 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.



## 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 0800 116 076

Email us at [sales@conquipgroup.co.nz](mailto:sales@conquipgroup.co.nz)

[www.conquipgroup.co.nz](http://www.conquipgroup.co.nz)