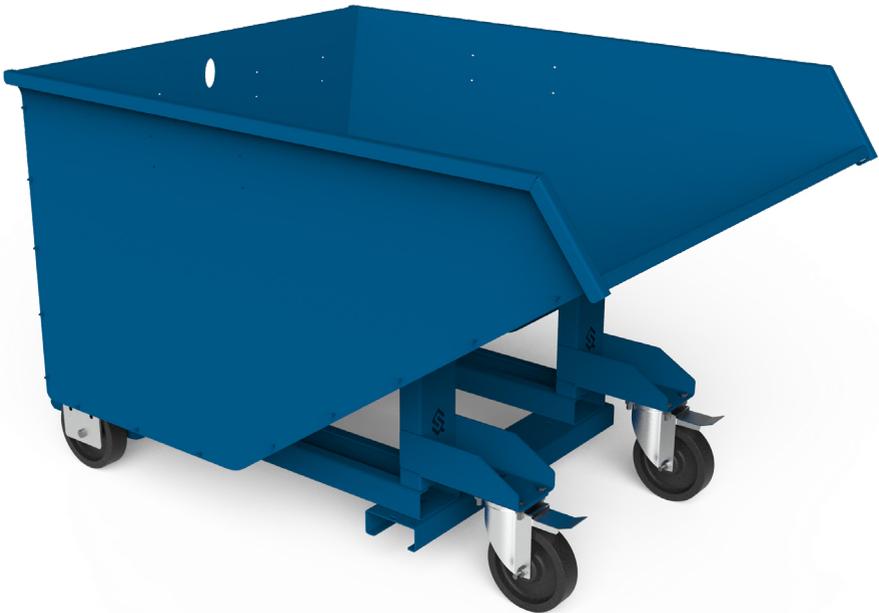


User Guide

Autolock Tipping Bin



Product Information

Overview

The Conquip Autolock Tipping Bin is the choice for many sites and leading plant companies. Its primary function is for the transportation of waste material. Autolocks cannot be accidentally tipped, as these bins are emptied by adjusting the angle of the telehandlers forks.

A gas assisted ram ensures the bin automatically locks to the forks and its unique design guarantees 100% restraint on the forks. Simply drive your forks into the bin's fork pockets and raise it off the ground. The Autolock mechanism will clamp itself to the fork tines. To detach it, simply land the bin and the Autolock mechanism will release, enabling you to reverse away.

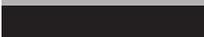
Designed for use with forklifts and telehandlers, these bins are heavy-duty to withstand the daily rigours of construction sites and thoroughly tested to ensure they are built to last.

Key Benefits

- Autolock system eliminates the need to attach safety restraint chains.
- Utilising the telehandlers' tilt function to tip the load ensures that the Autolock cannot be accidentally tipped.
- No levers or cables are required to discharge the Autolock so the driver can remain safely seated within the cab.
- Standard width fork pockets reduces the need to adjust forks.
- Designed and manufactured within the United Kingdom from British and European steel.

Customisation Options

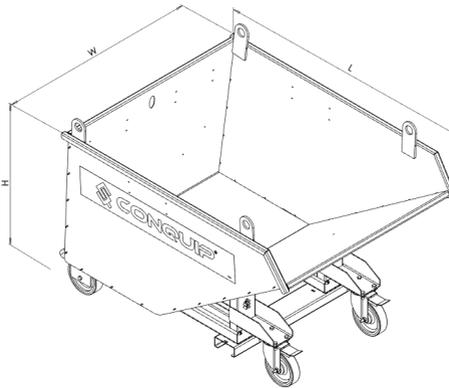
- Available with castor wheels (these consist of two swivel wheels for the front and two fixed wheels for the rear).
- Painted in the Institute of Civil Engineers standard colours of your choice (see colour chart right).
- Crane lift models available.
- Customer branding.

Colour	Use
	Asbestos
	Hazardous
	Clinical
	Plasterboard
	Inert
	Mixed
	Metal
	Wood
	Packaging

Product Information

Specification

Item	Product Code
Standard Autolock 500	FA800AC-00500
Autolock with Castors 500	FA801-00500
Cranelift Autolock 500	CA128-00500
Cranelift Autolock with Castors 500	CA134-00500
Standard Autolock 1200	FA800AC-01200
Autolock with Castors 1200	FA801-01200
Cranelift Autolock 1200	CA128-01200
Cranelift Autolock with Castors 1200	CA134-01200

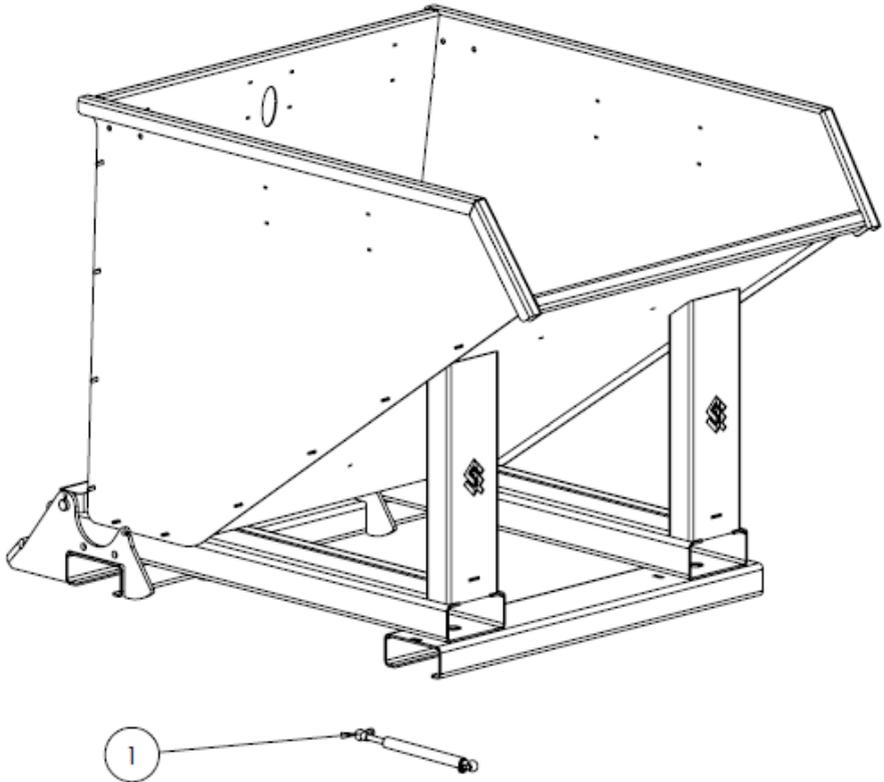


¹Working Load Limit

Product Code	Height	Width	Length	Weight	WLL ¹	Capacity	Fork Pocket
FA800AC-00500	934mm	920mm	1400mm	120kg	1000kg	500 litres	142 x 62mm
FA801-00500	1023mm	989mm	1400mm	165kg	1000kg	500 litres	142 x 62mm
CA128-00500	1050mm	920mm	1400mm	120kg	1000kg	500 litres	142 x 62mm
CA134-00500	1138mm	989mm	1400mm	170kg	1000kg	500 litres	142 x 62mm
FA800AC-01200	964mm	1224mm	1818mm	160kg	2000kg	1200 litres	142 x 62mm
FA801-01200	1051mm	1224mm	1818mm	160kg	2000kg	1200 litres	142 x 62mm
CA128-01200	1078mm	1224mm	1818mm	160kg	1000kg	1200 litres	142 x 62mm
CA134-01200	1160mm	1224mm	1818mm	160kg	1000kg	1200 litres	142 x 62mm

Product Information
Parts Diagrams

Standard Autolock & Cranelift Autolock 500



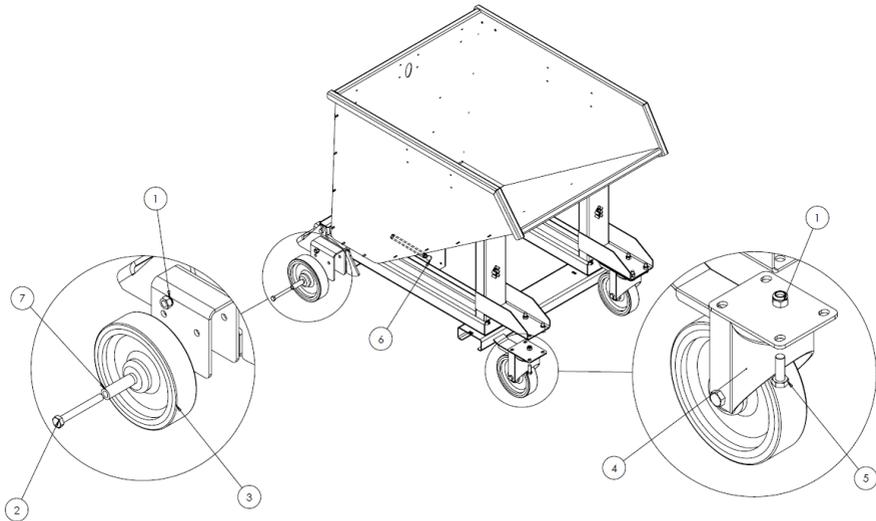
NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

Item Number	Part Number	Description	Quantity
1	ZZ110015	Gas Strut	1

Product Information

Parts Diagrams

Autolock with Castors & Cranelift Autolock with Castors 500

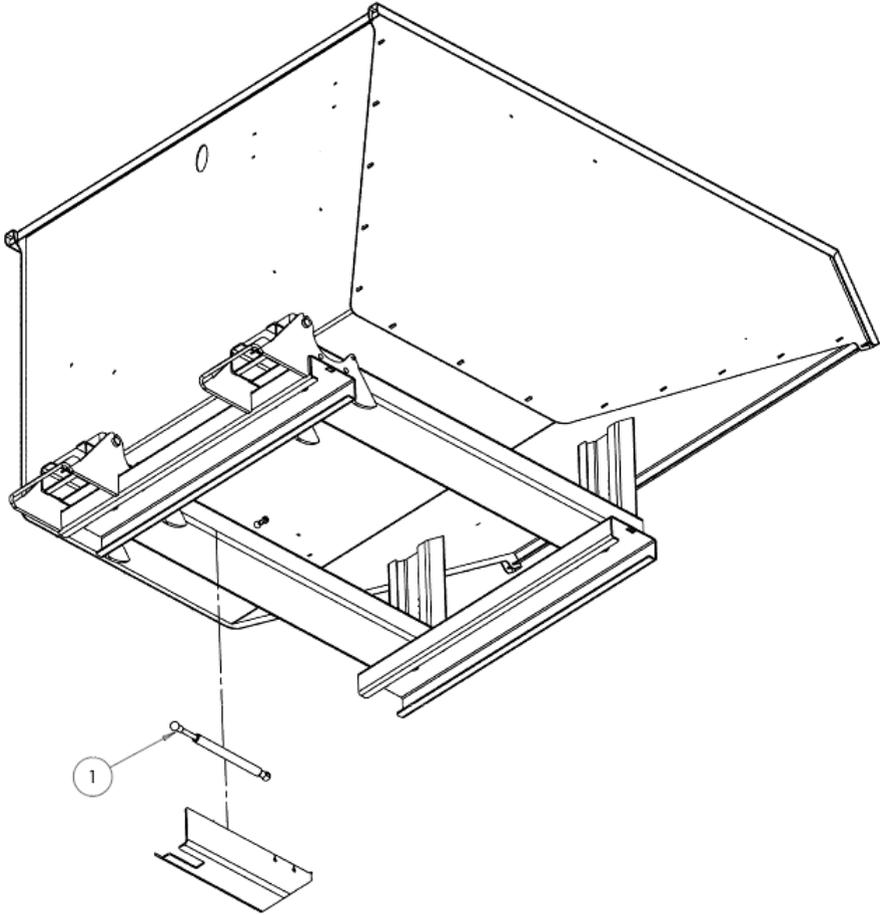


NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

Item Number	Part Number	Description	Quantity
1	NS800015	M12 Nyloc Nut	10
2	NS800234	M12 x 100 Hex Head Set Screw	2
3	ZZ110098	200mm Polyurethane Wheel	2
4	ZZ110097	Swivel Castor with Brakes 200mm	2
5	NS800014	M12 x 35 Hex Head Set Screw	8
6	ZZ110015	Gas strut 400mm to 250mm	1
7	ZZ110110	Tube Infill For 200mm Poly Wheel	4

Product Information
Parts Diagrams

Standard Autolock & Cranelift Autolock 1200



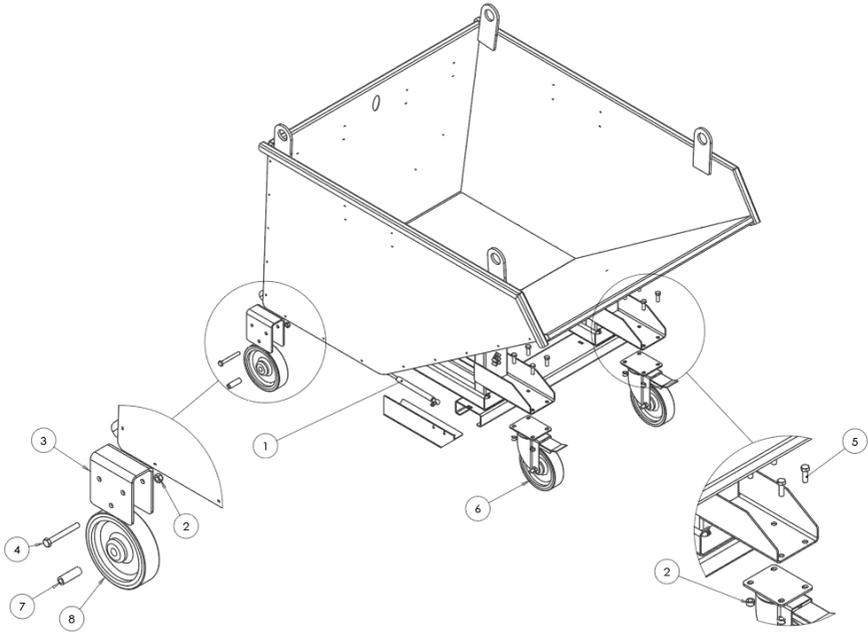
NOTE: These parts are for this model, they may differ for previous versions. Please contact Conquip with any queries.

Item Number	Part Number	Description	Quantity
1	ZZ110015	Gas Strut	1

Product Information

Parts Diagrams

Autolock with Castors & Cranelift Autolock with Castors 1200



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

Item Number	Part Number	Description	Quantity
1	ZZ110015	Gas Strut	1
2	NS800015	M12 Nyloc Nut	10
3	ZZ110148	Rear Castor Bracket	2
4	NS800234	M12 x 100 Hex Head Set Screw	2
5	NS800014	M12 x 35 Hex Head Set Screw	8
6	ZZ110097	Swivel Braked Castor Wheel 200mm Ø	2
7	ZZ110110	Tube 61 x 20(ODØ) 12(IDØ)mm	2
8	ZZ110098	Polyurethane Wheel 200mm Ø	2

Original Working Instructions

Usage Instructions

Important Usage Notes

- Ensure the work area is clear of all obstructions.
- Check that the bin is suitably rated to lift the load and of the correct size.
- Ensure adequate room around the unit for the operator to work safely.
- Use a suitably rated 4-leg lifting chain, with self-locking hooks.
- Take care not to tangle the chains when attaching to the bin.
- Always use a signaller that can clearly communicate with the crane operator.

Use with a Telehandler

1. Set the telehandler's forks to the correct width for the bin's fork pockets. Make sure that they are equidistant from the centre carriage.
2. Drive the telehandler to the bin aligning the forks with the bins fork pockets.
3. Double check that all is correctly aligned, then move the telehandler forward until the forks are fully inserted into the fork pockets.
4. Raise the bin just off the ground to activate the Autolock mechanism. Once the mechanism has snapped into place (see Autolock Mechanism Instructions on page 9 for details), the bin is secure on the forks.
5. Fill the bin with materials ensuring not to overload the bin.
6. Once ready, clear all personnel from the work area. Raise the unit just enough to allow sufficient clearance from the ground when traveling.
7. Drive the telehandler to the discharge area. If discharging in to a traditional bin, raise the unit so that it clears the walls of the bin then drive forward until positioned over the bin.
8. Using the tilt function on the telehandler, empty the bin of its contents, return the bin to the horizontal position, return to the loading area.
9. The bin can be removed from the telehandler simply by landing on level ground and reversing away.

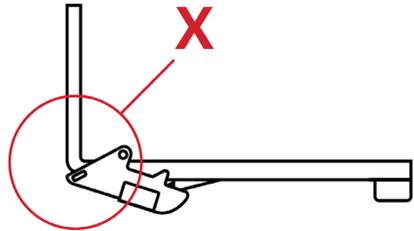
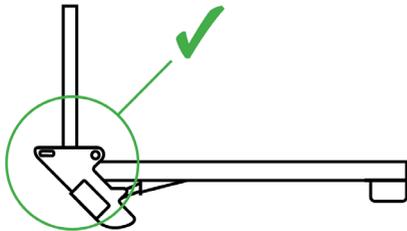
Original Working Instructions

Usage Instructions

Autolock Mechanism Instructions

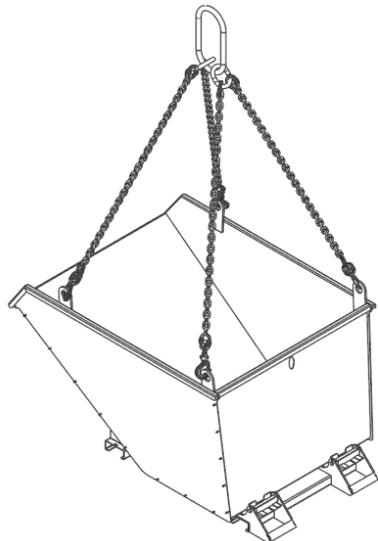
Once the forks are driven fully into the fork pockets, upon lifting the Autolock mechanism will automatically rise onto the locked position.

IMPORTANT: If the bin cannot be secured correctly do not continue, contact Conquip Engineering Group for advice. Only load the bin when fully lowered to the ground, load the bin ensuring the load is no wider, longer or higher than the bins side walls. do not overload by volume or by weight.



Use with a Crane

1. Connect the 4 points lifting chains to the respective 4 lifting eyes on the bin.
2. Once the chains are secured, carry out a test lift. Then the crane operator should lift the bin and transport to the correct location on site.
3. The Autolock Tipping Bin cannot be emptied via a crane. Once lowered to the ground, detach the chains and use a telehandler or an excavator fitted with Conquip Excavator Forks to empty the bin.

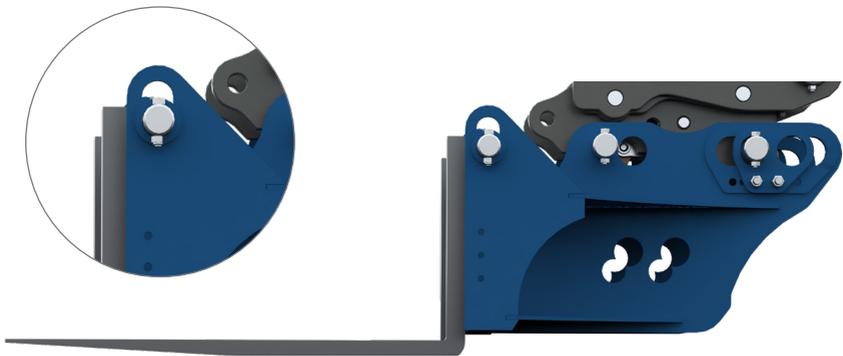


Original Working Instructions

Usage Instructions

Use with an Excavator

1. The Autolock Tipping Bin is designed for use with forklifts and telehandlers. However, it can be used with excavator forks providing they are compatible.
2. Check the set of excavator forks on site are compatible with the excavator. It is recommended to use Conquip Excavator Forks. See table on page 11 for the fork tines dimensions of Conquip's Excavator Forks.
3. Raise the unit off the ground so the fork tines sit in the lowest position of the Excavator Forks frame.



4. Measure the fork tines to ensure there is a minimum of 100mm between the base of the frame and the base of the fork tine. This applies to both fixed and floating fork variations. This 100mm allows enough space for the Autolock mechanism to lock into place as the bin is raised off the ground.

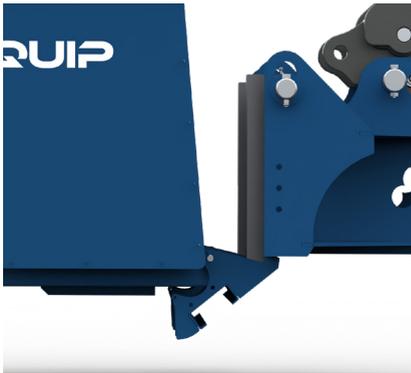


5. Set the excavator forks to the correct width for the bin's fork pockets. Make sure that they are equidistant from the centre carriage.

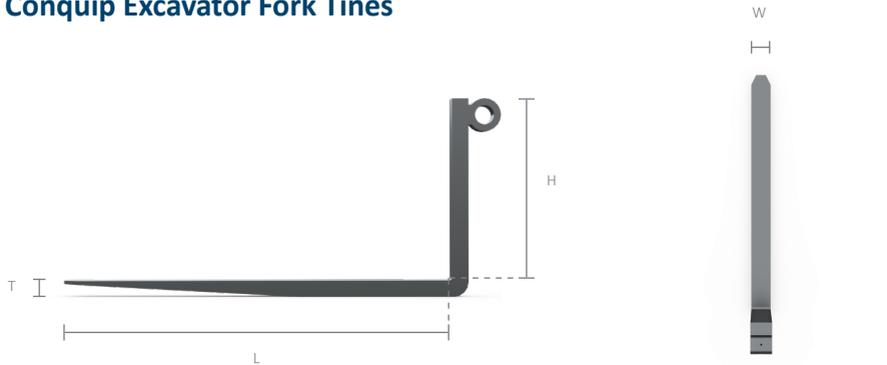
Original Working Instructions

Usage Instructions

6. Insert the forks into the Autolock Tipping Bin's fork pockets. The face of the fork must make contact with the rear of the fork pocket.
7. Check the excavator forks are compatible with the Autolock Tipping Bin by performing a test lift to ensure that the Autolock mechanism is fully engaged with the heel of the forks. Ensure all personnel are clear before lifting the bin. The bin should remain locked on the forks as it is tipped forwards.



Conquip Excavator Fork Tines



Type	Length (L)	Width (W)	Height (H)	Thickness (T)
1-tonne	1000mm	80mm	390mm	45mm
2.5-tonne	1200mm	100mm	550mm	40mm
4-tonne	1200mm	100mm	560mm	50mm

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.
- Manoeuvre loaded or raised equipment carefully. Travel and turn slowly to avoid unit becoming unstable.

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.

This declaration covers all models of Autolock Tipping Bin.

Signed:



Dated: 2023

Garry Critchley, Managing Director

Product Code(s):	FA800AC-00500 / FA801-00500 / CA128-00500 / CA134-00500 FA800AC-01200 / FA801-01200 / CA128-01200 / CA134-01200
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
General Description/ Designation:	Autolock Tipping Bin- FA800AC-00500 / FA801-00500 / CA128-00500 / CA134-00500 / FA800AC-01200 / FA801-01200 / CA128-01200 / CA134-01200
WLL:	FA800AC-00500 / FA801-00500 / CA128-00500 / CA134-00500 / CA128-01200 / CA134-01200 = 1000kg FA800AC-01200 / FA801-01200 = 2000kg

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 (02) 8844 4590

Email us at sales@conquipgroup.com.au

www.conquipgroup.com.au