

User Guide

# Forklift Crane Arm

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## Product Information

### Overview

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The Conquip Forklift Crane Arm is a fork mounted extending jib specifically designed to convert a forklift truck into a long reach mobile crane. It allows considerable flexibility to reach and transport particularly long and awkward loads.

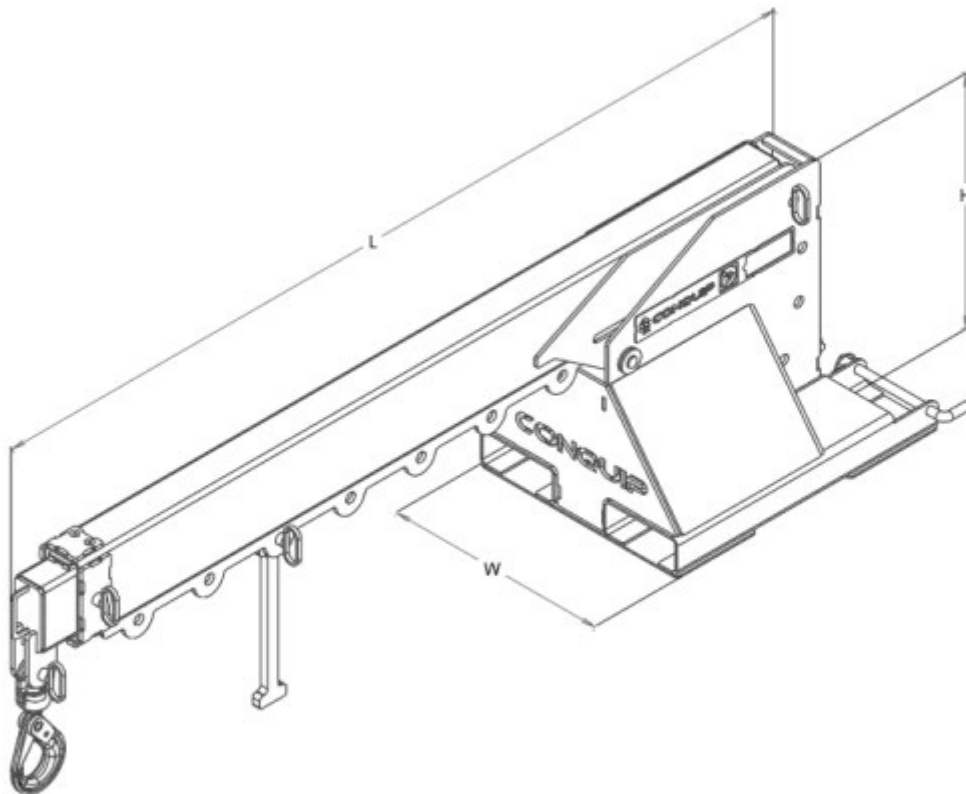
The Forklift Crane Arm is available as a fixed or adjustable angle arm, the adjustable being specifically useful for managing larger loads.

### Key Benefits

- Reduces the need of a crane on site to transport loads that are too long and awkward for a forklift.
- Adjustable angle crane arms can be angled to manage awkward loads.

## Product Information Specification

Item	Product Code
Forklift Crane Arm Fixed	FA811AC-03000
Forklift Crane Arm Adjustable	FA807AA-05000



<sup>1</sup>Working Load Limit

Product Code	Height	Width	Closed Length	Extended Length	Weight	WLL <sup>1</sup>	Fork Pocket
FA811AC-03000	500mm	685mm	2350mm	3850mm	180kg	3000kg	198 x 78mm
FA807AA-05000	666mm	661mm	2347mm	3847mm	260kg	5000kg	198 x 78mm

Original Working Instructions  
**Usage Instructions**

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## Important Usage Notes

- If you have any concerns or questions do not use the equipment; contact your supervisor or Conquip Engineering Group.
- The reach and angle of the jib can be adjusted to suit the operator's requirement. Always refer to the loading chart of the operating machine. Where the weight of the load cannot be accurately established the notional weight must be multiplied by an appropriate factor (typically 1.5) to allow for possible inaccuracies.
- This equipment is designed to lift the load clear of the ground, do not drag the load.
- The Forklift Crane Arm is supplied with two heel pins, one for each fork pocket. These must both be fitted correctly before use. If one or more are damaged, incomplete or missing do not use the equipment, do not use alternatives and contact Conquip for a replacement.
- Suitably certified lifting equipment is to be used.
- Under no circumstances should the crane arm be transported when the forks are pointed towards the ground. Always lift with the forks tilted slightly upwards.

## Original Working Instructions **Usage Instructions**

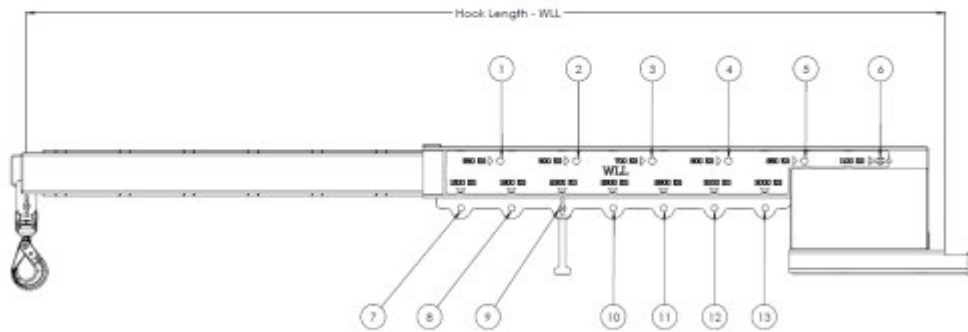
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### **Using with a Forklift**

1. Before using, familiarise yourself with the equipment and check that the crane arm is in good condition with all parts present and correct.
2. To attach the Forklift Crane Arm to a forklift, first release the heel pin by removing the linch pin and pulling from the attachment. Set the machine's forks to the correct width for the Forklift Crane Arm fork pockets. Make sure that they are equidistant from the centre.
3. Drive the forklift to the Forklift Crane Arm aligning the forks with the Forklift Crane Arm fork pockets.
4. Double check that all is correctly aligned, then move the forklift forward until the forks are fully inserted into the fork pockets.
5. Apply the park brake and switch off the forklift engine.
6. Insert the heel pin ensuring it passes behind the heel of the fork, use the linch pin to lock the heel pin in place. The Forklift Crane Arm is now ready for use.
7. The hook can be moved to any of the locating positions and, if necessary, the support leg can be moved or removed to facilitate the hook position. Only remove support leg when it is fitted to the forklift.
8. Raise and position the hook over the load ensuring that it is centrally aligned before lowering.
9. Lower the hook and attach to the load ensuring that the hook latch closes fully.
10. Carefully raise the load just off the ground and check for balance and security. Do not allow hands or feet to come between or below the load.
11. If the load is balanced and secure, carefully transport the load to its required destination ensuring not to jolt the load. Lift with the forks tilted slightly back. When travelling with a suspended load, keep the load as low as practicable, keep speed and cornering to a minimum to avoid the load swinging.
12. When in position, the load can be lowered to the ground and the lifting hook can be released and lifted clear of the load.
13. With the crane arm free of any load, lower it to the ground.
14. Disconnect the heel pins and linch pins.
15. Reverse the forklift back and clear, then replace the heel pins and linch pins.

## Product Information Loading Charts

### Forklift Crane Arm Fixed

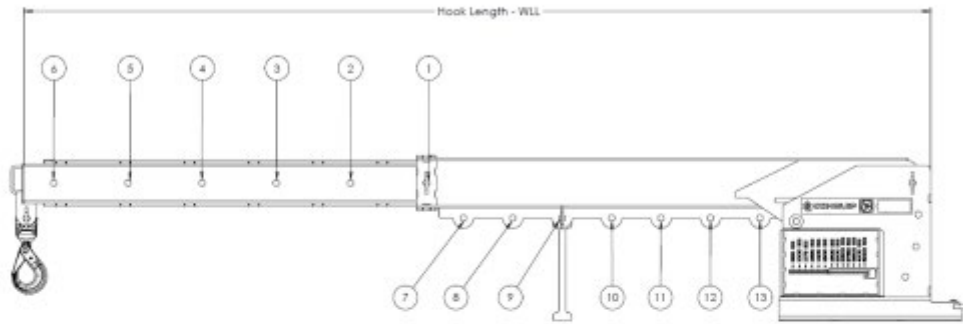


<sup>1</sup>Working Load Limit

Drawing Reference	Length	WLL <sup>1</sup>
1	3650mm	580kg
2	3350mm	600kg
3	3050mm	700kg
4	2750mm	800kg
5	2450mm	950kg
6	2150mm	1100kg
7	1900mm	1500kg
8	1700mm	1900kg
9	1500mm	2300kg
10	1300mm	2600kg
11	1100mm	2800kg
12	900mm	3000kg
13	700mm	3000kg

## Product Information Loading Charts

### Forklift Crane Arm Adjustable



<sup>1</sup>Working Load Limit

Drawing Reference	Length	WLL <sup>1</sup>
1	3675mm	950kg
2	3375mm	1000kg
3	3075mm	1175kg
4	2775mm	1250kg
5	2475mm	1400kg
6	2175mm	1600kg
7	1875mm	1800kg
8	1675mm	2100kg
9	1475mm	2300kg
10	1275mm	2750kg
11	1075mm	3200kg
12	875mm	4100kg
13	675mm	5000kg

## Original Working Instructions Safety Instructions

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### 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.

## 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](mailto:sales@cqegroup.com)

[www.cqegroup.com](http://www.cqegroup.com)

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