

**Innovative Construction
Techniques Pty Ltd
(ICT)**

Innovative Construction Techniques (ICT)

KWIKKEE

**OPERATING MANUAL & SAFETY
INSTRUCTIONS**

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KWIKKEE tm
Patent no 2008201955
Chocker chain attachment

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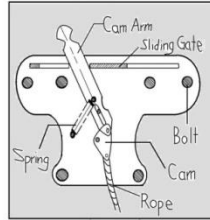
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OPERATING MANUAL

KWIKKEE tm

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Choker chain attachment



1. Preface

This manual has been developed to have the owner operator fully understand safe working practices when using the KWIKKEE. The KWIKKEE choker chain attachment has been tested under Australian Standard AS 4991-2004. The quality management and inspection process throughout manufacture and prior to delivery has been conducted in accordance with ISO 9001 2008 accreditation.



2. Basic operating instructions and safety precautions

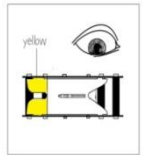
- 2.1 This operating manual must be readily available at all times when using the KWIKKEE
- 2.2 The KWIKKEE must only be used by a licensed Rigger/ Dogman or competent person.
- 2.3 When the KWIKKEE is under load it is normal for the cam arm to move around.
- 2.4 It is essential the maintenance outlines are thoroughly conducted
- 2.5 All rectification and or repairs must be completed by a licensed testing facility. A full list of these licensed testing facilities can be obtained by contacting ICT -www.quickreleaselifting.com
- 2.6 ICT Recommends the use of heat shrink tubing to be applied only to the **end** of the chain links. (Approx 3 links). This will allow easy insertion of the chain to the yellow end of the sliding gate ready for lifting.



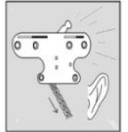
EXTREME RISK: IMMEDIATE ACTION REQUIRED

3. Important operating instructions and DANGER areas

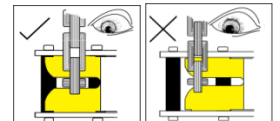
- 3.1 Prior to using the KWIKKEE a visual inspection must be carried out. The visual inspection must include checking for damage to the sliding gate that accommodates the chain and loads imposed, the bolts that connect the outer plates and for any cracks or damage to the supporting structures.



- 3.2 Prior to **every use** the operator **MUST** test that the KWIKKEE is in good working order. Place the yellow end of the sliding gate into the closed position. Pull down on the release rope. The sliding gate should move freely and quickly back to the opposite end without interference and make a slapping sound as the gate shuts.



- 3.3 The sliding gate at the top of the KWIKKEE is specifically designed to be used with the chain size suitable to each WLL engraved on the side of the KWIKKEE. (E.g. 8 mm alloy grade T (80) chain WLL is 2 Tonne). The suitable unit for 8 mm chain is the KWIKKEE with WLL2T engraved on both sides. The operator **MUST** not use any other chain size with this unit.
- 3.4 Overloading of the KWIKKEE can cause the load to drop and cause major injury.
- 3.5 The operator **MUST** ensure that the sliding gate has fully secured the chain at the yellow end prior to lifting.



3.6 When using the release rope as a guide rope the **minimum** lifting load for each individual KWIKKEE is **100kg**. When the operator lifts a load below 100 kg they are at risk of causing the load to disengage and fall. If the operator uses two of the KWIKKEE units then the minimum lifting load is 200 kg. For full required information on this go to our web site www.quickreleaselifting.com then access test certificate Bt 13090281 via the link –

Technical data/engineering sheet 2

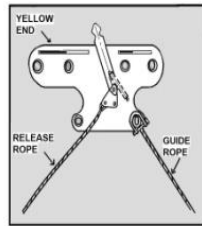


EXTREME RISK

3.7 There is extreme risk associated with lifting loads of less than 100kgs as the lighter the load the greater the risk of the release rope prematurely dropping the load. To minimise this risk, when the operator is required to lift a load of less than a 100 kg the release rope **MUST** not be used as a guide rope.

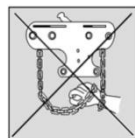
A second rope will need to be attached to the KWIKKEE to guide the load. At the non yellow end of the KWIKKEE nearest the release rope is the bolt allocated for the connection of the guide rope. Use a D shackle or similar small enough so as not to interfere with the release rope.

The guide rope and release rope must be free of knots and any loops or ties so as not to get caught up during lifting.



3.8 There is an inbuilt safety feature where the guide rope is attached to the KWIKKEE; this safety feature is known as the SAFEKEE. The SAFEKEE will release the guide rope with a maximum of **100kg** of force applied to the guide rope. The SAFEKEE gives the operator comfort of knowing that if during the lifting process the release rope becomes entangled or caught up with a foreign object, the SAFEKEE will disengage. The guide rope will fall from the load and the KWIKKEE will maintain the security of the load.

3.9 Never place your hand or any other part of your body between or near the KWIKKEE or chains whilst they are under load or being lifted.



HIGH RISK – ATTENTION NEEDED

3.10 Employ the number of KWIKKEE units required to properly stabilise the load during the lifting process.

3.11 Only use the KWIKKEE to lift suitable loads that are able to be safely lifted with the appropriate chain.

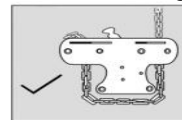
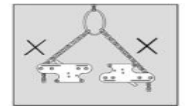
3.12 The KWIKKEE does not allow for any unauthorised attachments or adjustments to be added to the unit.

3.13 **Lubricants MUST NOT** be used on any part of the KWIKKEE.

3.14 The KWIKKEE should be stored in a dry environment and away from any corrosive chemicals or substances that may cause damage to any of the working parts.

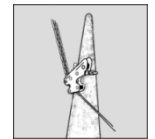
3.15 The operator should always maintain control of the KWIKKEE and not prematurely disengage the unit until the load is properly secured and fixed in place. The guide rope/ release rope should be properly supervised at all times, so as to prevent unwanted interference by a third party who may unwittingly disengage the load prior to proper securing of the load.

3.16 The KWIKKEE should always be placed on the load to be lifted with the sliding gate facing the hook and generally in an upright position.

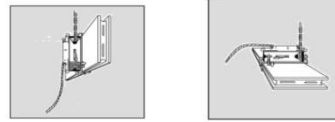


3.17 **Never** use the KWIKKEE on an unsecured load. The choke hitch action will not prevent unsecured loads from falling.

3.18 When lifting a structural beam or post that requires to be erected into a vertical position the KWIKKEE can be placed flat on the unit to be lifted once again facing upwards. This will maximise the unique choking action of the KWIKKEE and ensure the security of the load. To prevent the load from slipping when lifting in this method the operator should wrap the chain twice around the load.



3.19 When the operator wishes to rotate a structural beam prior to lifting. The KWIKKEE should be placed flat on the side of the beam that is required to be closest to the lifting hook. Proper installation in this process will allow the structural member to rotate. When the beam has rotated to its final lifting position the KWIKKEE will need to be inspected for correct installation and position of the sliding gate for future lifting purposes.



3.20 The quick release rope which also can be used as a guide rope should be placed so as to be easily accessible. The operator will need to understand the action of the lifting chain as the load is lifted. Correct placement of the guide rope will give the operator the ability to manoeuvre the load whilst lifting and finally to release the load once secure.

3.21 Securing of the guide rope to the KWIKKEE at the SAFEKKEE end of the unit should be carried out by a licensed Rigger or Dogman. The SAFEKKEE is the only replacement part of the KWIKKEE that can be removed and replaced by the operator and not by a licensed repair agent. The nylock nut and bolt supplied with the SAFEKKEE should be secured and not fully tightened so as to allow full movement of the guide rope.

3.22 At the end of the working life of the KWIKKEE the unit should be disposed of correctly.

3.23 To engage the yellow end of the KWIKKEE to the chain the operator should lift the cam arm that protrudes from the top of the KWIKKEE. When the cam arm is lifted it will roll over the cam and enable the sliding gate to be manoeuvred into the closed position. To release the load ready for the next load it will take approximately 3-5 kg of force to be applied to the release rope.

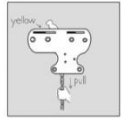


Important

4. Maintenance outlines

4.1 The KWIKKEE initial maintenance inspection is recommended to be carried out 6 months after purchase of the KWIKKEE. Please fill in the initial maintenance inspection tag and forward on to the licensed certified body when this inspection is required. The same inspection is then to be carried out annually. Any parts that need to be replaced must be originals. Upon purchase of the KWIKKEE please complete and return the proof of purchase tag to ICT.

4.2 Prior to every use the operator must check for wear and tear to the sliding gate that secures the chain and the imposed loads. Any visual damage will result in the KWIKKEE being marked as unsafe for further use and must be immediately returned to the licensed certified body for retesting and further certification for safe use.



4.3 Prior to every use the operator should test the KWIKKEE and its ability to engage and disengage the sliding gate. This can be achieved with manual inspection by manoeuvring the sliding gate into the closed position and then pulling on the release rope to disengage the gate. The sliding gate should move freely without interference and move quickly back to the opposite end of the KWIKKEE and make a slapping sound as the gate shuts.



4.4 The KWIKKEE has two inbuilt springs to ensure quick and safe reload of the unit. Regular inspection of these springs will ensure that the sliding gate will fire back onto the chain when required to be released. The simple maintenance test shown and described in item 4.3 of this section will ensure the safe function of this operation. Failure to do so may prevent the KWIKKEE from engaging the chain when released and may cause the KWIKKEE to fall from the chain and cause serious injury.

4.5 Prior to use the operator must check that the bolts joining the two outer plates are intact and secured with the nylock nuts being firmly tightened. Any movement found in these bolts will result in the KWIKKEE in question being tagged as unsafe for further use. This unit will then be required to be returned to the licensed certifying body for further testing and certification.

4.6 There are six high tensile bolts that separate the outer plates of the KWIKKEE. These six bolts are encased in mild steel spacers. The spacers are designed to protect the high tensile bolts from direct contact with the chains. Excessive wear of the spacers will require the KWIKKEE being returned to the licensed certifying body for further testing and certification.

NOTE: INFORMATION SUPPLIED IN THIS MANUAL IS SUBJECT TO CHANGE: Regular updates are available on our web site www.quickreleaselifting.com We strongly recommend you visit this site frequently.

Innovative Construction Techniques would like to thank you for purchasing the KWIKKEE. ICT was established with a goal to achieving a safer working place. Our products have pioneered ground to air applications with the intention of keeping the operator on the ground and safe from risks associated with working from heights. Be safe be alert and live longer.