



INSTRUCTIONS FOR: FOLDING CRANE

Model: 500KC.V2

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

⚠ IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ✓ Keep crane, and lifting slings, supports and beams in good working order and condition. Follow the inspection requirements as described in Section 5. *Take immediate action to repair or replace damaged parts by contacting your supplier. Ensure that all accessory lifting devices are suitably certified. If crane is damaged immediately remove from service.*
 - ✓ Ensure the surface on which the crane is used is level and firm, being capable of sustaining the crane and the maximum load.
 - x Never use crane on tarmacadam or on soft surfaces.
 - ✓ Ensure that the crane legs and arms are always locked before use, and jib extension is locked in fixed jib position by means of the lock split pin.
 - ✓ Keep children and unauthorised persons away from the work area.
 - ✓ Keep work area clean and tidy and free from unrelated materials, and ensure that there is adequate lighting.
 - ✓ Ensure that load does not exceed the maximum lifting capacity. Overloading the crane is dangerous. Where appropriate, use only the lifting points recommended by the manufacturer of the item to be lifted, i.e. vehicle engine.
 - ✓ Before lifting the load ensure that the crane jib is in the lowest possible position, that there are no obstacles which may snag the load whilst it is being lifted and that the area above the jib is clear.
 - x DO NOT apply any sideways pressure to the crane during lifting or suspension of load.
 - ✓ To avoid injury, be fully aware of your own and other persons locations in relation to the lifting and lowering of the load.
 - ✓ Keep a sound footing and balance, and ensure that the floor is not slippery. Wear non-slip shoes.
 - ✓ Ensure the centre of gravity of the load always remains inside the crane base.
 - x DO NOT attempt to lift the load at an angle, and do not allow the load to swing during lifting.
 - x DO NOT allow the load to drop suddenly. Lower load with care and ensure that you are fully aware of the condition of the surface onto which the load is to be lowered.
 - x DO NOT load beyond rated capacity for each specified jib position as indicated in Section 2. The capacity reduces as the jib is extended.
 - x DO NOT position any part of your body beneath the load, and do not climb on the crane.
 - x DO NOT use the crane to move or transport a load around the workshop. The crane is a lifting device only.
 - x DO NOT attempt to adjust the safety valve, as this has been set and sealed by the manufacturer.
 - x DO NOT use the crane for a task it is not designed to perform.
 - x DO NOT use whilst under the influence of drugs, alcohol or intoxicating medication or when tired.
 - ✓ When not in use, store the crane in a safe, dry, childproof, area.
- ❑ WARNING: Failure to heed safety and warning instructions may result in damage and/or personal injury and will invalidate the warranty.**

2. SPECIFICATIONS

Max. lift @ min. jib extension: kg . . . . .	.500	Lifting capacity, Position 1: kg . . . . .	.500
Max. lift @ max. jib extension: kg . . . . .	.200	Lifting capacity, Position 2: kg . . . . .	.400
Max. jib height: mm . . . . .	.2100	Lifting capacity, Position 3: kg . . . . .	.300
Overall height . . . . .	.1570	Lifting capacity, Position 4: kg . . . . .	.200
Frame length (max): mm . . . . .	.1570	Length of jib, Position 1: mm . . . . .	.1000
Width of frame (max): mm . . . . .	.970	Length of jib, Position 2: mm . . . . .	.1100
Width inside frame (max): mm . . . . .	.770	Length of jib, Position 3: mm . . . . .	.1200
Max. height of leg section from floor: mm . . . . .	.140	Length of jib, Position 4: mm . . . . .	.1300
Distance between base wheel centres: mm . . . . .	.370		
Weight: kg . . . . .	.92		

3. ASSEMBLY INSTRUCTIONS

Your crane is delivered assembled but in a folded condition. Before using it is necessary to lay the folded crane on its 'back' on the floor and proceed as follows.

- 3.1. Lower the crane legs. Lock them in place with the pins and split pins.
- 3.2. Rotate the assembled crane onto its wheels.
- 3.3. Open the valve at top of ram by turning to left and pump 10-20 times. This will purge any air that may have entered during transit.
- 3.4. Pull crane jib up slightly, close valve and pump the handle. The jib will now rise. Pump the jib all the way up once and lower it again (this will check the oil level).
- 3.5. Crane is now ready. Ensure that it is complete and not damaged. If you experience any problems contact your supplier immediately.

4. OPERATING INSTRUCTIONS

- ❑ **WARNING! Ensure that you read, understand and apply Section 1 safety instructions, and that parts 3.3 and 3.4 have been successfully performed before using the crane.**
- 4.1. Pump the handle to raise the jib to the appropriate height at which the load may be secured.
- 4.2. Select the required jib extension by removing the jib locking pin, extending as desired (up to a maximum of 1.3mtr) and replace the pin. **Note: Ensure the jib locking pin is replaced correctly i.e. completely through the jib and jib extension where the holes align, thereby locking the extension safely in place.**
- 4.3. Connect the crane hook to the load using a suitable certified sling or support beam. Ensure that you are aware of the load weight and check that it is within the capacity of the crane at the jib extension you are using. When removing engines ensure that you know the engine weight. Use only lifting points recommended by the vehicle manufacturer.
- 4.4. Lift only from directly above the load. **❑ WARNING! DO NOT LIFT THE LOAD AT AN ANGLE!**

- 4.5. To lower load, put your hand on the release valve and turn it *slowly* anti-clockwise. This crane is fitted with a 'dead man' control which stops the descent when your hand leaves the release knob.
- 4.6. The crane is not a transportation device but may be used to reposition the load ready for working on. To do so lower the load and jib to the lowest possible point before attempting to move. Do not attempt to move in a sideways direction.
The crane is not designed to sustain the load indefinitely.
When you have positioned the load for working, fully lower the load onto a secure and appropriate working base, being aware of your own and other persons locations in relation to the lowering load.
- 4.7. When the load has been successfully lowered and secured, remove the lifting harnesses etc., and place the crane in a safe location having ensured the lifting beam and piston are fully retracted.

5. MAINTENANCE

NOTE: The crane **MUST** be maintained in accordance with these instructions.

- 5.1. **Always keep the crane clean and dry.**
- 5.2. **Lubrication**
 - 5.2.1. Oil all working parts monthly.
 - 5.2.2. The ram is filled with oil and should only require occasional topping up. *DO NOT use brake fluid*, as this will damage the hydraulic seals.
 - a) Use only good quality hydraulic jack oil available from your Sealey dealer.
 - b) Fully lower the jib extension arm.
 - c) Remove filler plug (hexagonal bolt positioned near the top of the ram) and fill to the bottom of hole. Replace filler plug.
 - d) **DO NOT OVERFILL** as this will cause failure.
 - e) After filling with hydraulic oil, pump the crane up to its full height and allow any excess oil to run off.
- 5.3. **Inspection of crane before use**
 - 5.3.1. Before each use of the crane you must make a visual inspection of the crane for leaks, damage, loose or missing parts.
 - 5.3.2. The crane must be inspected immediately if it has been subject to an abnormal load or shock.
It is recommended that such an inspection is made by the supplier's authorised service agent.
 - 5.3.3. The owner and/or operator must be aware that repair of this equipment will require specialised knowledge and facilities.
It is recommended that an annual inspection of the crane is made through the supplier's authorised service agent.
- 5.4. **Storage**
Always store the crane with the jib is in its lowest position and the ram closed.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE MACHINE.

Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.

DO NOT RETURN PRODUCT TO US. Please telephone us on 01284 757500 to obtain the address and telephone number of your local agent. If product is under guarantee please contact your dealer.

6. OWNER'S & OPERATOR'S RESPONSIBILITIES

The owner and/or operator shall study product instructions and retain them for future use.

- 6.1. **Understanding Instructions & Warnings**
The owner and/or operator shall understand the product operating instructions and warnings before operating the crane. Warning information must be emphasised and understood. If the operator is not fluent in English, the product instructions and warnings must be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator understands the content.
- 6.2. **Damage**
Any crane which appears to be damaged, badly worn, or operates abnormally **MUST BE REMOVED FROM SERVICE!** It is recommended that necessary repairs be made by the supplier's authorised service agent.
- 6.3. **Decommissioning**
Through years of normal wear, the crane will eventually come to the end of its safe serviceable life. If, and when, this happens ensure the hydraulic oil is drained off and disposed of in accordance with local authority regulations.
- 6.4. **Test Certificate**
According to requirements of the UK Health and Safety Executive, a test certificate is packed with this crane. The test certificate is valid for one year from the date of first placing the crane into use. Your insurance company will want to have a copy of the test certificate for their file. Additional copies of the test certificate can be purchased within one year of the date of supply. If you need a copy please ask your dealer. After one year your insurance company has the right to request a re-test of the crane. This is a chargeable service and can be obtained by contacting companies listed under "Lifting Gear" in Yellow Pages.

7. DECLARATION OF CONFORMITY

<p style="text-align: center;">Folding Crane Model 500KC.V2 98/37/EC Docks regulations 1934.</p> <p>Serial No. <input style="width: 100%;" type="text"/> Batch No. <input style="width: 100%;" type="text"/></p> <p style="text-align: center;">93/68/EEC CE Marking Directive</p>	<p>Declaration of Conformity We, the sole importer into the UK, declare that the product listed here is in conformity with the following standards and directives.</p> <p style="font-size: 2em; font-weight: bold;">CE</p> <p>Signed by Mark Sweetman 12th June 2003</p> <p>The construction files for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.</p> <p><i>For Jack Sealey Ltd. Sole importer into the UK of Sealey Quality Machinery.</i></p>
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NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.