



# INSTRUCTIONS FOR: FOLDING CRANE

## Model: PH20

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 AND 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

- 3 Keep crane, lifting slings, support 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.*
  - 3 Ensure the surface on which the crane is used is level and firm, being capable of sustaining the crane and the maximum load.
  - 7 **NEVER** use crane on tarmacadam or other soft surfaces.
  - 3 Ensure the crane legs and arms are locked before use and jib extension is locked in fixed jib position by means of the lock pin.
  - 3 Keep children and unauthorised persons away from the work area.
  - 3 Keep work area clean and tidy and free from unrelated materials and ensure that there is adequate lighting.
  - 3 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 load to be lifted.
  - 3 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 being lifted and that the area above the jib is clear.
  - 7 Do not apply any sideways pressure to the crane during lifting or suspension of load.
  - 7 To avoid injury, be fully aware of your own and other persons locations in relation to the lifting and lowering of the load.
  - 3 Keep a sound footing and balance, wear non-slip shoes and ensure that the floor is not slippery.
  - 3 Ensure the centre of gravity always remains inside the crane base.
  - 7 **Do not** harness the load at an angle and do not allow the load to swing during lifting.
  - 7 **Do not** allow load to drop suddenly. Lower load with care and be fully aware of the condition of the surface onto which load is to be lowered.
  - 7 **Do not** operate the hydraulic power unit beyond its maximum stroke as indicated on the label.
  - 7 **Do not** load beyond rated capacity for each specified jib position as indicated in Section 2. The capacity of crane reduces as jib is extended.
  - 7 **Do not** position any part of your body beneath the load and do not climb on the crane.
  - 7 **Do not** use the crane to move or transport a load around the workshop. The crane is a lifting device only.
  - 7 **Do not** attempt to adjust the safety valve, which has been set and sealed by the manufacturer.
  - 7 **Do not** use the crane to perform a task for which it is not designed.
  - 7 **Do not** use whilst under the influence of drugs, alcohol or intoxicating medication.
  - 3 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. SPECIFICATION

2 Ton folding crane - economy model. Fast folding for easy storage and transportation. Heavy duty castors. Weighs only 104kg and is perfect for mobile or workshop use. Pump access from side.

Max. lift @ min. jib extension: mm . . . . .1800  
 Max. lift @ max. jib extension: mm . . . . .2055  
 Height (max) of frame legs: mm . . . . .185  
 Length (max) of frame: mm . . . . .1652  
 Width (max) of frame legs: mm . . . . .1175  
 Overall height: mm . . . . .1630  
 Width (max) inside frame legs: mm . . . . .1030  
 Distance between rear wheel centres: mm . . . . .445  
 Weight: kg . . . . .104

Lifting capacity, Position 1: kg . . . . .2000  
 Lifting capacity, Position 2: kg . . . . .1500  
 Lifting capacity, Position 3: kg . . . . .1000  
 Lifting capacity, Position 4: kg . . . . .500

Length of jib, Position 1: mm . . . . .920  
 Length of jib, Position 2: mm . . . . .1100  
 Length of jib, Position 3: mm . . . . .1280  
 Length of jib, Position 4: mm . . . . .1460

### 3. ASSEMBLY INSTRUCTIONS

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

- 3.1. Raise the crane legs and lock them into place by passing the locking pins through the body. Retain with cotter pins.
- 3.2. Lift the assembled crane onto wheels.
- 3.3. Open release valve by turning to left and pump 10-20 times. This will flush the hydraulic system and purge any air that may be present.
- 3.4. Pull crane jib up slightly, close valve and pump the handle. The jib will now raise. Pump the jib all the way up and then lower it (this will confirm that the oil level is correct).
- 3.5. Crane is now ready. Ensure it is complete and not damaged. If you experience any problems contact your supplier immediately.

### 4. OPERATING INSTRUCTIONS

- ⚠ **WARNING! Before using the crane ensure that you have read and understood Section 1 safety instructions and that 3.3 and 3.4 have been successfully completed.**
- 4.1. Close the release valve at base of ram by turning valve tap clockwise.
- 4.2. Put the handle into the pump socket and pump. The jib will then move - continue to pump until the jib reaches the required height.
- 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 have checked that it is within the capacity of the crane at the jib extension you are using. When removing engines ensure you know the weight you are lifting and use only lifting points recommended by the vehicle manufacturer.
- 4.4. Lift only directly above the load. ⚠ **WARNING! DO NOT LIFT THE LOAD AT AN ANGLE.**

- 4.5. To lower load, *VERY slowly* turn release valve at base of ram anti-clockwise.
- 4.6. The crane is not a transportation device but may be used to reposition the load ready for working on. Lower the load and jib as far as possible before attempting to move the crane and load. 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 suitable work surface, being fully 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 that the ram is 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.  
Proceed as follows:
    - a) Use only good quality hydraulic jack oil available from your Sealey dealer.
    - b) Fully lower the jib extension arm.
    - c) **DO NOT OVERFILL** as this will cause failure.
    - d) After filling with hydraulic oil, pump the crane up to full height and pour off any excess oil.
- 5.3. Inspection of crane before use**
  - 5.3.1. Before each use the crane must be inspected 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 load. It is recommended that such an inspection is made by the supplier's authorised service agent.
  - 5.3.3. The owner and/or operators 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 fully closed so that the jib is in its lowest position and the ram is closed.

**IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE CRANE.**  
*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 these instructions and retain them for future use.
- 6.1. Understanding instructions and warnings**  
The owner and/or operator shall understand the operating instructions and warnings before operating the crane. Warning information must be emphasised and understood. If the operator is not fluent in English, the instructions and warnings must be read to, and discussed with, the operator in the operator's native language by the purchaser/owner, making sure the operator understands the content.
  - 6.2. Damaged crane**  
If the crane appears to be damaged, badly worn, or operates abnormally IT MUST BE REMOVED FROM SERVICE! It is recommended that necessary repairs be made by the supplier's authorised service agent.
  - 6.3. Decommissioning**  
After years of normal wear, the crane will eventually come to the end of its safe serviceable life. If, and when, this happens, ensure that the hydraulic oil is drained off and disposed of in accordance with local authority regulations.
  - 6.4. Test Certificate**  
In accordance with the requirements of the UK Health and Safety Executive, a test certificate is supplied 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.

## CRANE GUARANTEE

Your crane is guaranteed for one year from the date of purchase. The guarantee does not cover faults caused by incorrect use, lack of maintenance or accidental damage, or damage caused to third parties through misuse. You are recommended to inform your insurers and check that adequate cover is in place. Warranty claims must be supported by a copy of the dated receipt for the crane.

<p><b>Folding Crane. Model PH20.</b> 98/37/EC, Docks regulations 1934, 18a 22a EN292-2.</p> <p>Model No: <span style="border: 1px solid black; padding: 2px 10px;">PH20</span></p> <p>Serial No: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span></p> <p>Batch No: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span></p>	<p><b>Declaration of Conformity</b> We, the sole importer into the UK, declare that the product listed here is in conformity with the following standards and directives.</p> <p> The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.</p> <p>Signed by Mark Sweetman  24th July 2000</p> <p style="text-align: right; font-size: small;"><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 this 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, address and postcode.

	Sole UK Distributor, Sealey Group, Bury St. Edmunds, Suffolk.	01284 757500	01284 703534	E-mail: sales@sealey.co.uk
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Test Certificate No:

**HEALTH AND SAFETY EXECUTIVE**  
 Health & Safety at Work Act 1974. Docks Regulations 1934, regulations 18(a) & 22(a)  
 SR & O 1934 No 279. Form prescribed by the Secretary of State for  
**CERTIFICATE OF TEST AND EXAMINATION OF CRANES OR HOISTS AND THEIR  
 ACCESSORY GEAR, BEFORE BEING TAKEN INTO USE.**

MODEL NUMBER DESCRIPTION OF CRANE OR HOIST AND SERIAL NO (IF ANY).	FOR JIB CRANES, RADIUS AT WHICH THE PROOF LOAD WAS APPLIED	SAFE WORKING LOAD (FOR JIB CRANES AT RADIUS SHOWN)	PROOF LOAD APPLIED
FOLDING CRANE FOR VEHICLE ENGINE REMOVAL PURPOSES  <b>MODEL NUMBER: PH20</b> <b>SERIAL NUMBER:</b> <input type="text"/>	<b>MM</b>	<b>KG</b>	<b>KG</b>
	920	2000	3000
	1100	1500	2250
	1280	1000	1500
	1460	500	750

This test was commissioned by Jack Sealey Limited, Kempson Way, Suffolk Business Park, Bury St. Edmunds, Suffolk, 1P32 7AR, and was undertaken by the manufacturer and holder of the construction file. This certificate is signed by the Chief Engineer for the manufacturer.

We hereby certify that the crane or hoist and accessory gear covered by this test certificate has been tested to 50% overload, and the safety valve has been set at the rated working capacity. This product was manufactured in China and product liability insurance is in effect within the U.K. through Axa Insurance Company Policy Number NHCOM 1193182.

**Engineer Conducting Test:**.....**Chief Engineer**  
  
**Date:**.....