

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 OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

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### 2. GENERAL

#### 2.1 Identification

Supplier: Sealey Power Products,  
Kempson Way,  
Suffolk Business Park,  
Bury St. Edmunds,  
Suffolk, IP32 7AR.

Model No: **WD202.V3**

#### 2.2 Technical Data

##### Rated Capacity

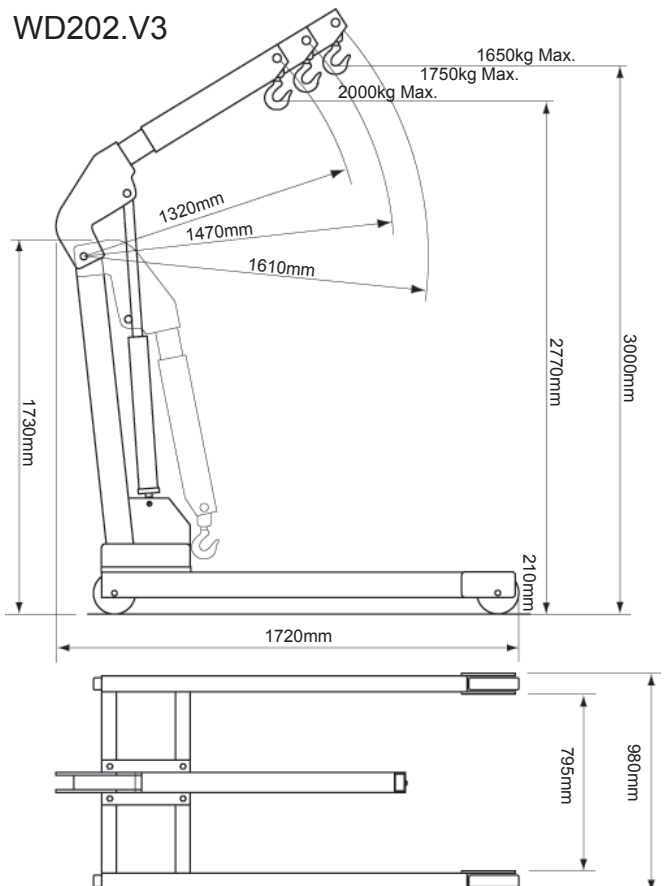
##### WD202.V3

Safe Working Load (SWL) 2t (tested to 50% overload).  
Working Load Limit (WLL) 2t (tested to 50% overload).

##### MODEL..... WD202.V3

Overall height: ..... 1730mm  
Max. lift @ min. jib extension: ..... 2770mm  
Max. lift @ max. jib extension: ..... 3000mm  
Length (max) of frame:..... 1720mm  
Width inside frame (max): ..... 795mm  
Width (max) of frame:..... 980mm  
Height (max) of frame base:..... 210mm  
Weight: ..... 180kg  
Length of jib,..... 1320mm  
Length of jib,..... 1470mm  
Length of jib,..... 1610mm  
Lifting capacity, Position 1: kg ..... 2000kg  
Lifting capacity, Position 2: kg ..... 1750kg  
Lifting capacity, Position 3: kg ..... 1650kg

- Design Capability: Test Load 50% overload.
- For a description of in-service and out-of-service conditions see section 3 Safety, Section 4 Maintenance and Section 6.
- DO NOT** operate the hydraulic power unit beyond its maximum stroke as indicated on the label.
- For applications see Section 3 Safety.
- For control system, see fig.1 page 2 for release valve and pump handle assy. Usage is explained in Section 3.2 Operation.
- For ground condition requirements, see Section 3 Safety.
- For information on parts and materials requiring specialised repair techniques see Section 4 Maintenance.



### 3. SAFETY/OPERATING INSTRUCTIONS

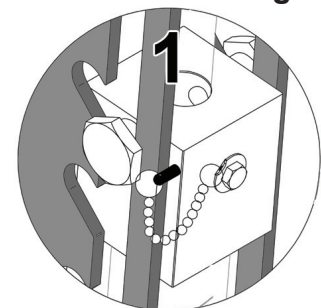
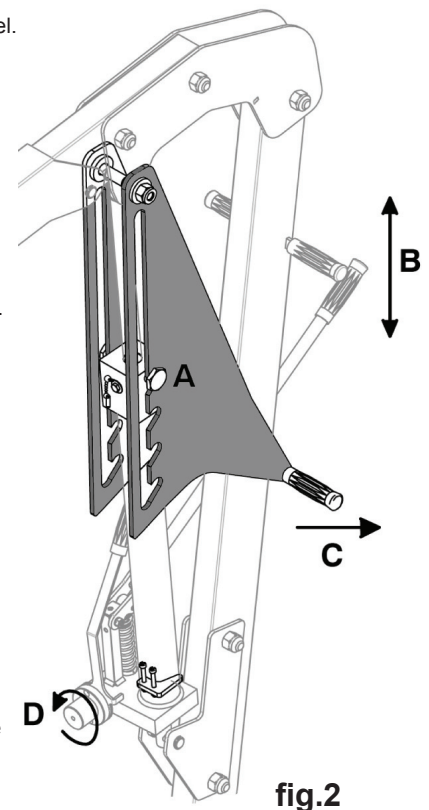
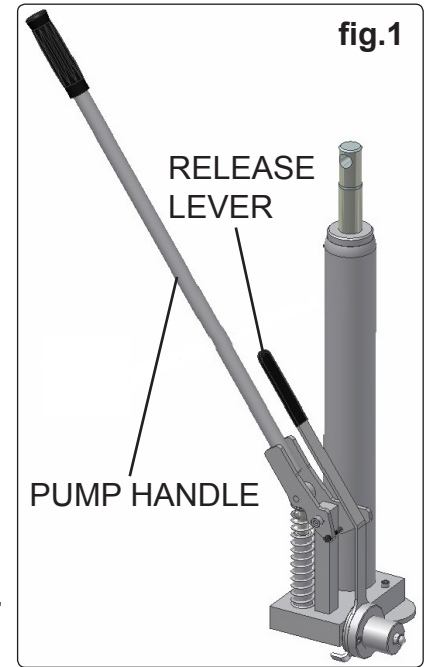
#### 3.1 SAFETY

- 3 **Keep** crane, lifting slings, support and beams in good working order and condition. Follow the inspection requirements as described in Section 4 page 3 Maintenance. *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, remove from service immediately.*
- 3 **Ensure the surface on which the crane is used is level, firm and capable of supporting the weight of the crane with maximum load - we recommend concrete. Never use the crane on tarmac or other soft surfaces.**
- 3 **Ensure** the crane legs and arms are locked before use.
- 3 **Keep** children and unauthorised persons away from the working area.
- ✓ Ensure the jib extension always lies flat on the arm with the head of the alignment bolt showing through one of the three holes provided.
- 3 **Keep** working area clean and tidy, free from unrelated materials and ensure that there is adequate lighting.
- 3 **Ensure** that load does not exceed the maximum lifting capacity of the crane. Overloading the crane is dangerous. Where appropriate, use only the lifting points recommended by the manufacturer of the item to be lifted, e.g. vehicle engine.
- 3 **Before** lifting the load ensure that the crane jib is in the lowest practical 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.
- 3 **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, and ensure the floor is not slippery.
- 3 **Ensure** jib extension locking bolt and nut are in position before lifting.
- 3 **Ensure** the centre of gravity always remains inside the crane base.
- x **DO NOT** operate the hydraulic power unit beyond its maximum stroke as indicated on the label.
- 7 **DO NOT** harness the load at an angle or use any attachments not verified as fit for purpose.
- 7 **DO NOT** allow the load to swing during lifting.
- 7 **DO NOT** allow the load to drop suddenly. Lower load with care, ensuring that you are fully aware of the condition of the surface onto which the load is to be placed.
- 7 **DO NOT** load crane beyond its rated capacity for each specified jib extension position as indicated in Section 2 page 1.  
The capacity of the crane reduces as the jib is extended.
- 7 **DO NOT** position any part of your body beneath the load.
- 7 **DO NOT** use the crane to move or transport a load other than for repositioning (see 3.2.g).  
The crane is a lifting device only.
- 7 **DO NOT** apply any sideways pressure to the crane during lifting or when a load is suspended.
- 7 **DO NOT** attempt to adjust the safety valve, which is set and sealed by the manufacturer.
- 7 **DO NOT** use this product to perform a task for which it is not designed.
- 7 **DO NOT** use whilst under the influence of drugs, alcohol or intoxicating medication.
- 7 **DO NOT** climb on the crane.
- 3 **When** not in use fold the crane down and store in a safe, dry, childproof area.
- 3 **This crane is designed for lifting within a garage or workshop environment.**
- ☐ **WARNING! Failure to heed safety and warning instructions may result in damage and/or personal injury and will invalidate the warranty.**

**NOTE: ENSURE YOU HAVE READ AND UNDERSTOOD THE SAFETY INSTRUCTIONS AT THE BEGINNING OF THIS SECTION BEFORE YOU OPERATE THE CRANE.**

#### 3.2 OPERATION. (Refer to Section 4.2 (a) regarding inspection before each use).

- a) Refer to the lifting capacity chart in Section 2.2. If necessary adjust the position of the jib extension to cater for the weight that is to be lifted. To adjust the jib extension lift the hook end and slide the jib in or out as required to the next position. **NEVER** leave the jib between positions. The jib extension should always lie flat on the arm with the head of the alignment bolt showing through one of the three holes provided.
- b) Rotate the pump handle to a convenient position and commence pumping to raise the jib to the height at which load may be secured.
- c) Connect the crane hook to the load using a suitable **certified** sling or support beam. Ensure 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) and the sling or support beam. When removing engines ensure you know the weight to be lifted. Use only the lifting points recommended by the vehicle manufacturer.
- d) Lift only from directly above the load. **WARNING! DO NOT lift the load at an angle!**
- e) To lower the load, operate the release lever (fig.1). **VERY SLOWLY anti-clockwise** avoiding any sudden movement.  
**WARNING!** Do not allow the load to drop suddenly. Release the lever to stop the descent.
- f) When lowering the crane the safety system will lock to one of the four pre set heights, this is to stop accidental lowering when under load. To lower the crane, lift the load, pumping the handle (fig.2B) until the locking studs are free then pull the locking system away from the ram with handle (fig.2C). Lower crane with release lever (fig.2D). To stop the use of the safety system when using the crane, insert the small pin into the top of the ram, see fig.2.1.
- g) The crane is not a transportation device but may be used to reposition the load being worked on. To do so, lower load and jib with care, to the lowest possible point before attempting to move. Do not try to move crane in a sideways direction. The crane is not designed to support the load indefinitely. When you have repositioned the load, lower the load onto a secure and appropriate working base, being fully aware of your own and other persons locations in relation to the lowering load.
- h) When load has been secured, remove lifting sling, support beam etc. and place crane in a safe location with lifting beam fully lowered.



## 4. MAINTENANCE/EXAMINATION/INSPECTION

**NOTE:** The crane **MUST** be kept clean and dry and must be maintained in accordance with these instructions.

### 4.1. Lubrication.

- Oil all working parts monthly.
- 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:
  - Use only good quality hydraulic jack oil available from your supplier.
  - Fully lower the jib extension arm and remove the filler plug on the ram.
  - Fill until oil overflows from the hole and wait until the level settles before replacing the plug.

### 4.2. Inspection and Examination of Crane Before Use.

- Before each use of the crane you must perform an inspection for leaks, damage, loose or missing parts.
- The workshop crane must be examined immediately if it has been subject to an abnormal load or shock. It is recommended that such an examination is made by an authorised service agent.
- 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 examination of the workshop crane is made by an authorised service agent.
- Unauthorised parts may be dangerous and will invalidate the warranty.

**NOTE!** Please see the Definition of 'inspection' and 'examination' below.

#### Inspection:

Looking at the crane for defects and checking the operation of the controls, limiting and indicating devices without loading the crane. This is much more than a check but does not normally require any part of the crane to be dismantled other than removal or opening of covers or housings.

#### Examination:

Verification that the crane can safely continue in service including a functional test of all safety devices i.e. limiting, indicating equipment, brakes, clutches, safety valves etc to verify that they operate within the required tolerances. An examination is more thorough than an inspection.

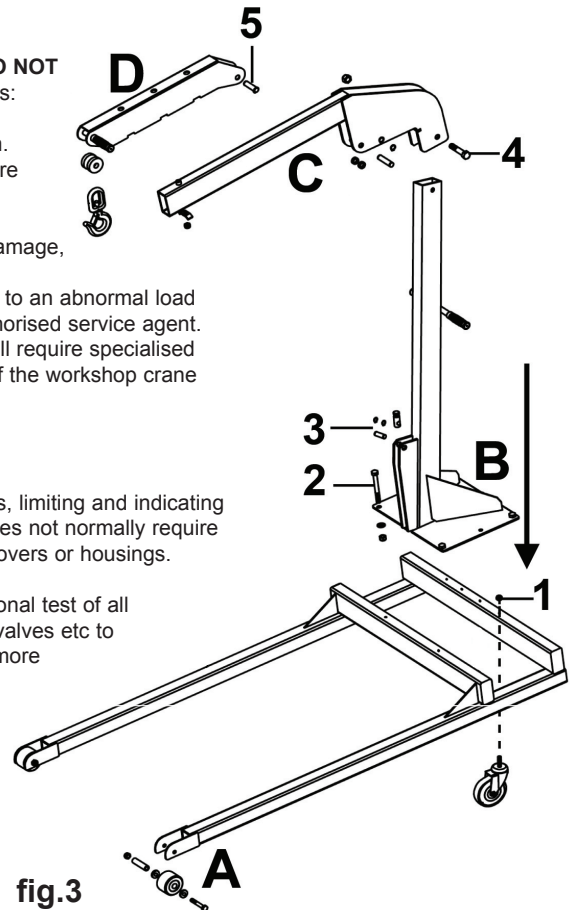


fig.3

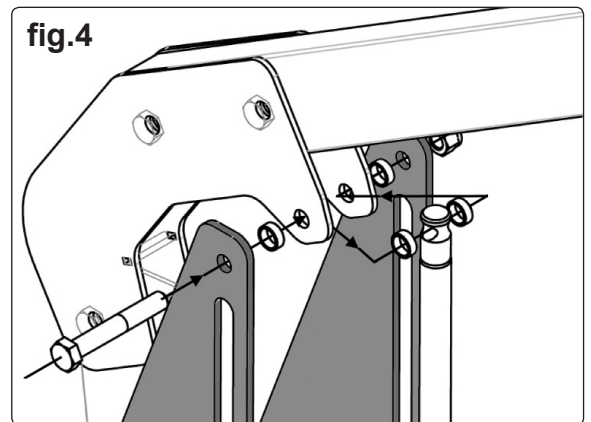


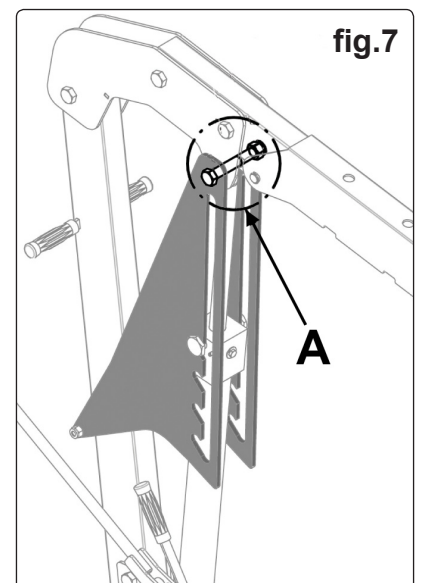
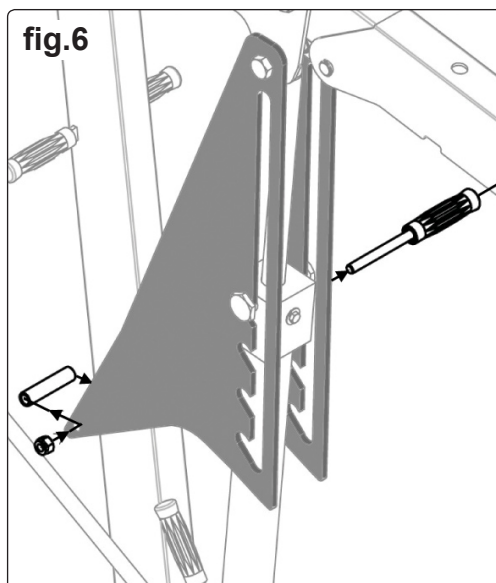
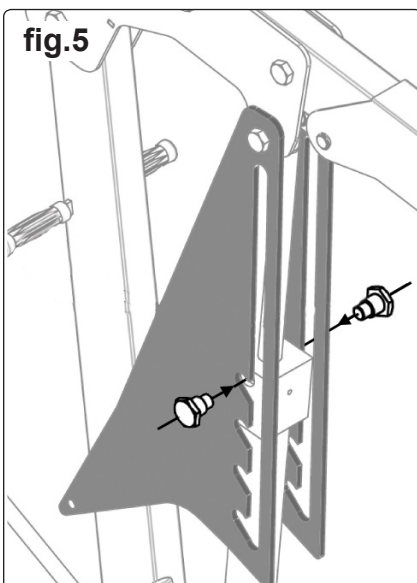
fig.4

## 5. ASSEMBLY/STORAGE INSTRUCTIONS

### 5.1 ASSEMBLY.

- WARNING!** Due to its weight please ensure that there is adequate help available when assembling this cranes.

  - Remove the top and one end of the wooden transit crate and lift out the main arm and jib components.
  - Lift the main frame out of the crate and position it in the assembly area.
  - Attach the front solid wheels as per fig.3A, and attach castor wheels to the rear cross member and secure with nut (fig.3.1). Chock the wheels to stop the frame moving.
  - Attach base of ram to the upright pin and circlips fig.3.3.
  - Take the main upright (fig.3B) and place it upright onto the two cross members of the main frame. Align the footplate holes with the holes in the frame and secure with four bolts, four washers and nuts (fig.3.2)
  - Remove the jib extension (fig.3D) from the arm (fig.3C). Lift the arm and support it over the top end of the upright. Align the pivot holes in both parts and slide the pivot bolt (fig.3.4) through and secure with nut.
  - Lift up the arm (fig.3C) and support it in an approximate horizontal position. Hinge the ram unit away from the upright and align the hole in the end of the ram shaft with the hole in the arm. Then hold up the two sides of the safety locking system to the same holes, with spacers in between each plate (see fig.4) slide the pivot bolt through the aligned holes and spacers and secure with nut, only secure nut finger tight.



- h) Lubricate the locking studs then screw into the ram, see fig.5.
  - i) Inset the safety system handle from one side through the long spacer and secure with nut, see fig.6.
  - j) When the safety system is assembled tighten the pivot bolt (fig.4). After tightening, undo the bolt 1.5 turns, this releases the safety system to move freely (fig.7).
  - k) Place the jib extension (fig.3D) over the arm (fig.3C) so that the head of the hex socket bolt protrudes through one of the 3 holes in the top surface of the extension. Retain the jib with pin (fig.3.5) which passes under the arm and secure with circlips.
  - l) **PRIME** unit before first use as follows:  
Move the pumping handle into a horizontal position and manually depress the release lever (See fig.1) to the bottom of its travel. Keeping the release lever depressed, pump the handle up and down 5 to 6 times. Release the lever, the crane is now ready for use.
- 5.2 STORAGE.**
- a) Always store the crane fully closed so that the jib is in lowest position and the ram is closed.

## 6. OWNER'S & OPERATOR'S RESPONSIBILITIES

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

- a) **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 product instructions and warnings must be read to, and discussed with, the operator in the operator's native language by the owner, making sure the operator understands the contents.
- b) **Damaged Cranes.**  
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 an authorised service agent.
- c) **End of service.**  
Through years of normal wear, the crane will eventually become unserviceable. When this happens ensure the hydraulic oil is drained off and disposed of in accordance with local authority regulations.

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, 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 purchase receipt.

**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 and address, including postcode.



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