



INSTRUCTIONS FOR:
FIXED FRAME CRANE
 MODEL NO: **WD302.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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual



Wear safety footwear



Wear protective gloves

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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: WD302.V2

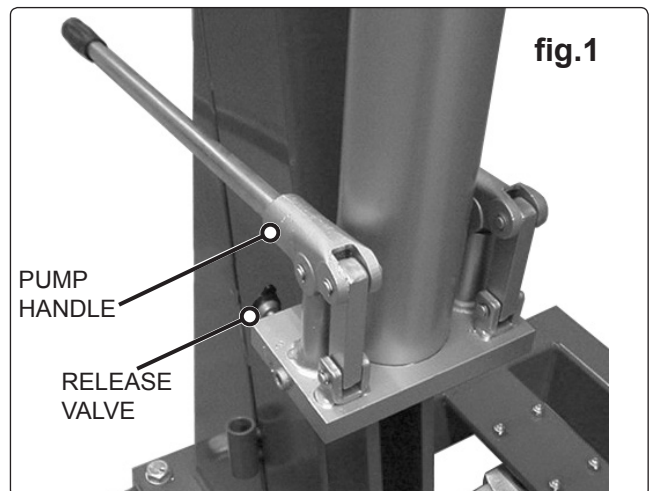
2.2. Technical Data

Rated Capacity

Safe Working Load (SWL) 3t (tested to 50% overload).
 Working Load Limit (WLL) 3t (tested to 50% overload).

Lifting Cap. in Position 1: 3000kg
 Lifting Cap. in Position 2: 2500kg
 Lifting Cap. in Position 3: 2300kg
 Weight: 302kg

- a) Design Capability: Test Load 50% overload.
- b) For a description of in-service and out-of-service conditions see section 3 Safety, Section 4 Maintenance and Section 6.
- c) The crane is fitted with a bypass valve that will prevent the ram from over extending.
- d) For applications see Section 3 Safety.
- e) For control system, see Fig.1 for release valve and pump handle assy. Usage is explained in Section 3.2 Operation.
- f) For ground condition requirements, see Section 3 Safety.
- g) For information on parts and materials requiring specialised repair techniques see Section 4 Maintenance.



3. SAFETY/OPERATING INSTRUCTIONS

3.1. SAFETY

- ✓ **Keep** crane, lifting slings, support and beams in good working order and condition. Follow the inspection requirements as described in Section 4 page 2 Maintenance. *Take immediate action to repair or replace damaged parts by contacting your supplier. Ensure that all accessory lifting devices are suitable. If crane is damaged, remove from service immediately.*
- ✓ **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 tarmacadam or other soft surfaces.**
- ✓ **Ensure** the crane legs and arms are locked before use.
- ✓ **Keep** children and unauthorised persons away from the working area.
- ✓ **Keep** working area clean and tidy, free from unrelated materials and ensure that there is adequate lighting.
- ✓ **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.
- ✓ **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.
- ✓ **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 ensure the floor is not slippery.
- ✓ **Ensure** jib extension locking bolt and nut are in position before lifting.
- ✓ **Ensure** the centre of gravity always remains inside the crane base.
- ✗ **DO NOT** harness the load at an angle or use any attachments not verified as fit for purpose.
- ✗ **DO NOT** allow the load to swing during lifting.
- ✗ **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.
- ✗ **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.
- ✗ **DO NOT** position any part of your body beneath the load.
- ✗ **DO NOT** use the crane to move or transport a load other than for repositioning (see 3.2.f). The crane is a lifting device only.
- ✗ **DO NOT** apply any sideways pressure to any part of the crane during lifting or when a load is suspended.
- ✗ **DO NOT** attempt to adjust the safety valve, which has been set and sealed by the manufacturer.
- ✗ **DO NOT** use this product to perform a task for which it is not designed.
- ✗ **DO NOT** use whilst under the influence of drugs, alcohol or intoxicating medication.
- ✗ **DO NOT** climb on the crane.
- ✓ **When** not in use fold the crane down and store in a safe, dry, childproof area.
- ✓ **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 and every use).

- a) Use the pump handle recess to tighten the release valve, turning firmly clockwise.
- b) Place handle into pump socket and pump, the jib will raise. Continue to pump until the jib reaches the height at which the load can be secured.
- c) Connect the crane hook to the load using a suitable sling or support beam. Be aware of the load weight, check that it is within the capacity of the crane (at the jib extension in use) and the sling or support beam. When removing engines ensure the weight is known. 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 load, position handle on release valve at base of ram and turn **VERY SLOWLY** *anti-clockwise* avoiding any sudden movement. **WARNING! DO NOT** allow the load to drop suddenly.
- f) 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 the load has been repositioned, 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.
- g) 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.

- a) Oil all working parts monthly.
- b) The ram is filled with oil and should only require occasional topping up. For the occasional top 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 supplier.
 - b) **DO NOT OVERFILL** as this will cause failure.
 - c) After filling with hydraulic oil, pump the crane up to full height and pour off any excess oil.

4.2. Inspection and Examination of Crane Before Use.

- a) Before each use of the crane, perform an inspection for leaks, damage, loose or missing parts.
- b) 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.
- c) 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.
- d) Unauthorised parts may be dangerous and will invalidate the warranty.

Note! Please see the Definition of 'inspection' and 'examination' page 3.

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.

5. ASSEMBLY / PRIMING / STORAGE INSTRUCTIONS

5.1. ASSEMBLY.

Note: Numbers in brackets refer to item numbers as shown in the parts diagram (Section 8, page 5).

WARNING! Due to its weight at least 3 able-bodied people will be required to unpack and assemble this crane.

5.1. ASSEMBLY. To identify item numbers refer to the parts diagram (Section 8, page 5).

- 5.1.2. Remove the top and sides of the wooden transit crate and lift out the main arm and jib components.
 - 5.1.3. Lift and support the open end of the main frame. Attach a fixed wheel (34) to each fork using axle (35) and clip (36). Lower the frame back to the ground.
 - 5.1.4. Lift and support the other end of the main frame. Attach a castor wheel (39) to each cross plate using 4 bolts (38) and 4 nuts (37) on each wheel. Lower the frame back to the ground and chock the wheels to prevent the frame moving.
 - 5.1.5. Take the main upright (44) (with ram attached) 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 five bolts (41) and five washers (40).
 - 5.1.6. Remove the clip (50) and pin (49) that retain the jib extension and slide the extension off the end of the arm. Lift the arm and support it over the top end of the upright. Align the pivot holes in both parts and slide the bolt (45) through and secure with nut (46).
 - 5.1.7. Lift up the arm 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. Slide the axle (47) into position and secure with retaining ring (48).
 - 5.1.8. Slide the jib extension back onto the arm and secure it by replacing the axle (49) and clip (50) into one of the 3 designated jib fixing positions.
 - 5.1.9. Remove the pumping handle from its stowage position on the side of the main upright and screw it in to one of the pump positions.
- 5.2. PRIMING THE UNIT.** Before first use it is necessary to prime the hydraulic system as follows:
- 5.2.1. Open the release valve by turning the knob (14) anticlockwise. (See fig.1.) Operate the pumping handle up and down 5 to 6 times. Close the release valve. The crane is now ready for use.

5.3. 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.

7. DECLARATION OF CONFORMITY



EC DECLARATION OF CONFORMITY

We the sole importers into the UK, hereby declare that the equipment described below

Description and Function:.....Crane Industrial Premier 3.0 tonne.....

Model/Type:.....WD302.V2.....

Manufacturing Date / Serial number (optional).....

Manufacturer's authorised representative within the EC: **Jack Sealey Ltd. Kempson Way, Suffolk Business Park, Bury St. Edmunds, Suffolk, IP32 7AR**

Conforms to the requirements of the following Directives, as indicated.

- | | |
|--|---|
| <input checked="" type="checkbox"/> 2006/42/EC Machinery Directive | <input type="checkbox"/> 2000/14/EC Outdoor Noise Emissions Directive |
| <input type="checkbox"/> 2006/95/EC Low Voltage Directive | <input type="checkbox"/> 2002/96/EC WEEE Directive |
| <input type="checkbox"/> 2004/108/EC EMC Directive | <input type="checkbox"/> 2002/95/EC RoHS Directive |
| <input type="checkbox"/> 93/68/EEC CE Marking Directive | <input type="checkbox"/> 97/23/EC Pressure Equipment Directive |

And the following harmonised standard(s): **BS EN 14238: 2004 BS EN 12644 part 1: 2001**.....

BS EN 12644 part 2: 2000 BS EN 1494: 2001.....

Additional technical standards and specifications (if applicable):.....

Technical file compiled by: **Jack Sealey Ltd.**

Signed:.....

Date:..... 20-Dec-2010.....

Place: Bury St.Edmunds.

Name:..... Mark Sweetman.....

Position:..... Managing Director.....

Being the responsible person appointed by the manufacturer.



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.



Sole UK Distributor, Sealey Group,
Kempson Way, Suffolk Business Park,
Bury St. Edmunds, Suffolk,
IP32 7AR

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 01284 703534



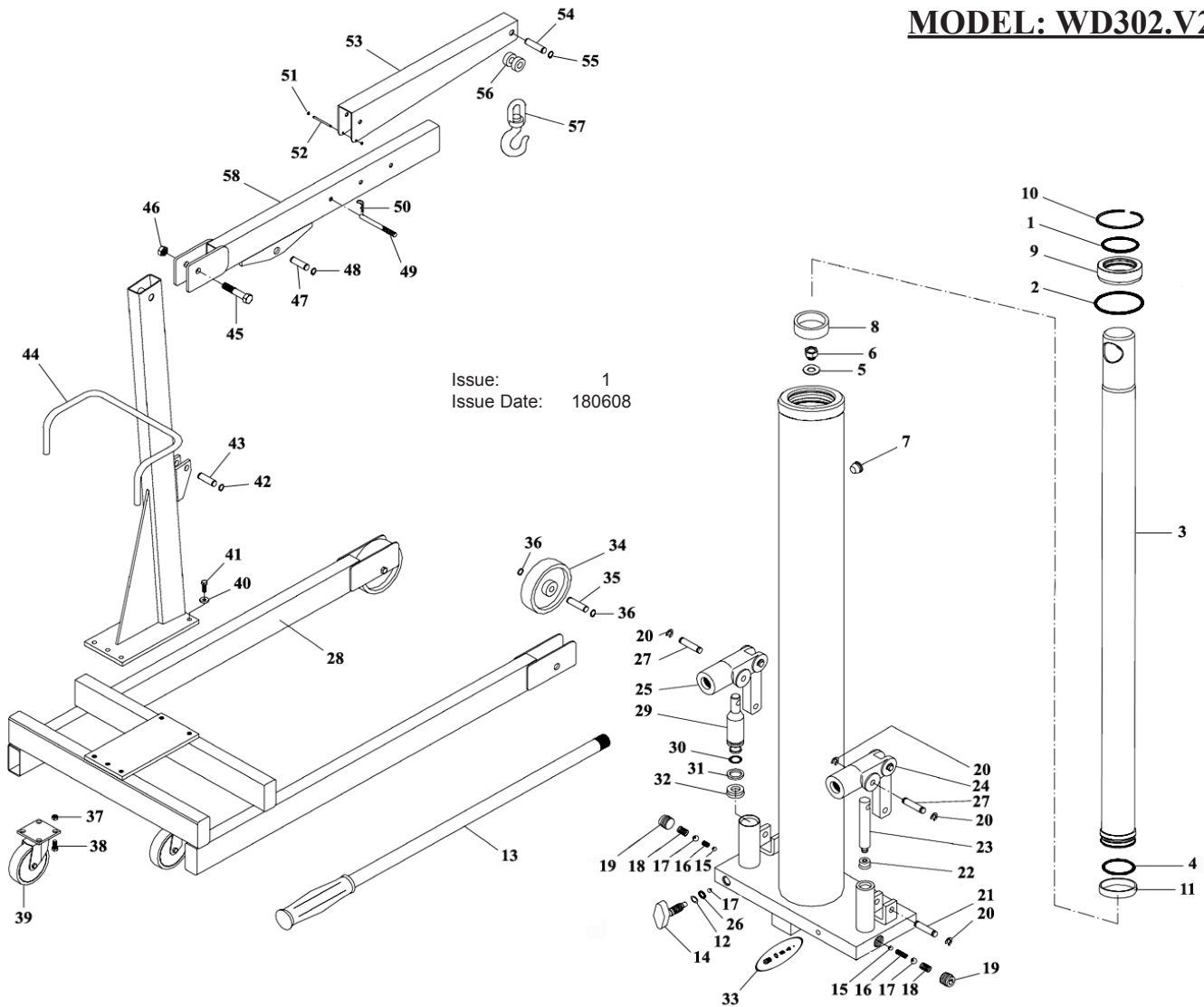
www.sealey.co.uk



sales@sealey.co.uk

8. PARTS LIST/DIAGRAM

MODEL: WD302.V2



Issue: 1
Issue Date: 180608

ITEM	PART NO	DESCRIPTION	ITEM	PART NO	DESCRIPTION
1	MGH-12-1131	O-RING	32	ME-1501/1134	SEAL
2	MGT-5/1136	O-RING	33	MG-2/C9	SAFETY VALVE
3	NC-30/1105	PISTON	34	NC-30/1213	WHEEL
4	MG-12/1134	O-RING	35	NC-30/1190	AXLE
5	TJ-2/1120	WASHER	36	MB-34-B/1343	RETAINER RING
6	SR700-C42	NUT	37	MB-21-B/1398	NUT
7	ME-12001/1139	FILLER PLUG	38	EH-10/1742	SCREW
8	NC-30A-2124	GUIDE	39	NC-30/1214	WHEEL
9	NC-30A-1499	PISTON GUIDE	40	PTM-2/1552	WASHER M20
10	MG-15/1361	RING	41	NC-30/1670	BOLT M20 X 40
11	MG-12/1164	RING	42	MI-10/1377	RETAINER RING
12	BKN-05/1128	WASHER	43	PH-15/1141	AXLE
13	BM-3/1113	HANDLE	44	NC-30/1155	HANDLE BAR
14	BM-04/1125	RELEASE VALVE KNOB	45	NC-30/1191	HEX HEAD BOLT
15	ME-1501/1149	SMALL STEEL BALL (5.4mm)	46	MB-39-B/1405	HEX FULL NUT
16	ME-1501/1161	SPRING	47	PTF-1000/1194	AXLE
17	ME-1501/1212	LARGE STEEL BALL (7.7mm)	48	MI-10/1377	RETAINER RING
18	ME-1501/1162	SPRING	49	PH-15/1121	AXLE
19	Y-2/1160	SCREW	50	MI-5/1159	CIRCLIP
20	MB-22-A/1286	CIRCLIP	51	ME-1501/1286	CIRCLIP
21	PH-5/1344	AXLE	52	NC-30/1314	AXLE
22	TJ-2/1133	SEAL	53	NC-30/1158	ARM EXTENSION
23	MGG-500/1110	PUMP PISTON	54	NC-30/1141	AXLE
24	PH-5/1111	JOINT	55	MI-10/1377	RETAINER RING
25	PH-5/1112	HANDLE SOCKET	56	NC-30/1407	WASHER
26	BKN-05/1130	O-RING	57	NC-30/1166	HOOK
27	B-3/1344	AXLE	58	NC-30-C3M	ARM
28	NC-30-C4	FRAME	--	RHC-30	REPAIR KIT (not shown)
29	NC-30/1478	PUMP PISTON	--	NC-30/C2	HYDRAULIC UNIT (COMPLETE)
30	TR-2/1289	O-RING			
31	EF-1200/1127	RING			