



OXDALE PRODUCTS LTD



OPERATING AND MAINTENANCE MANUAL

SERIES 1000 POST KNOCKER



KEEP FOR FUTURE REFERENCE

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Notes

SAFETY

OXDALE PRODUCTS REQUIRES THAT ANYONE OPERATING OR MAINTAINING THE POST KNOCKER SHALL READ AND UNDERSTAND ALL SAFETY, OPERATION AND MAINTENANCE DATA CONTAINED IN THIS USER MANUAL BEFORE USING THE POST KNOCKER.

The post knocker is an attachment for tractors. Hydraulic action provides the force to lift and drop a weight on to the top of a fence post. Never operate the post knocker if unauthorised persons are in the area, especially small children. Hazards associated with post knocking may be pinch points, crush injury, splinters, eye injury and entanglement.

YOU ARE RESPONSIBLE FOR THE SAFE OPERATION AND MAINTENANCE OF THE POST KNOCKER. THE MOST IMPORTANT SAFETY DEVICE ON THE EQUIPMENT IS A SAFE OPERATOR.

- **The machine is for single person operation only from the tractor seat.**
- **Operators must always have sight of the machine during operation to ensure that no other persons are in the area.**
- Never put hands or fingers between the weight and the stamp plate or post.
- The operator should wear eye protection, ear protection (noise levels will vary according to the tractor used) gloves and safety boots. The safety decals are shown on the following page.

- Never stand either side of the post knocker whilst driving posts as posts can sometimes split apart violently.
- Never hold the top of the post while driving or knocking the post.
- Only let competent and trained adults use this equipment.
- The end of the post should be cut as square as possible to help prevent the post from riding out of the knocker.
- The post should be in good condition with no splits or fractures.
- Operate the knocker on solid ground and ensure the parking brake is engaged on the tractor.
- The post knocker is designed only for driving wooden posts. Using it for any other purpose may cause damage or injury.
- Ensure that the machine is securely attached to the tractor at all times.
- Check that there are no underground services where the post is being driven.
- The post knocker is over three metres high when attached to a tractor. Ensure that it cannot contact overhead power lines whilst driving or manoeuvring.
- When manoeuvring the tractor always have the weight in the lowered position and reduce driving speed to reduce the risk of overturning. Take particular care when crossing slopes.
- Do not exceed the maximum lifting capacity of the tractor.

Related Products

Post Hole Borer

Can be fitted with our 4, 6, 9 or 12 inch diameter augers and can bore holes up to 3 foot deep.

Works at a maximum of 540 PTO rpm
Installed with a shear bolt to prevent damage to the machine.

Suitable for use with all tractors.

Comes with a PTO shaft.

Augers available separately.



B5

DECLARATION OF CONFORMITY FOR CE MARKING

Company contact details:

Oxdale Products Ltd (Formerly CS Trading) Stanfree Farm,
Low Rd, Clowne, Derbyshire, S43 4LQ, UK

Registered address:

Oxcroft Stables, 30 Oxcroft Estate, Bolsover, Derbyshire, S44 6AU. UK

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Technical file compiled by:

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Oxdale Products Ltd declares that the product:

Oxdale 1000 series post knocker

Conforms with the following EU Directives:

Directive 2006/42/EC Machinery

And conforms with the following EU Harmonised Standards:

BS EN 150 12100: 2010

Name of Signatory: Chris Butcher

Position of signatory: Director

Signed: *C. Butcher* Dated: *1/2/13* Place: *Stanfree.*

LABELS

The post knocker should have the following labels attached. If any safety decals are missing or illegible they should be immediately replaced.



The Following Warning Notices:

WARNING!

"Keep hands clear of weight!"

"To be operated by one person only!"

"Inspect rope for damage before use!"

"Check all pins and nuts daily!"

"Never transport the machine with the weight elevated!"

"Grease daily"

Other Information

Manufacturer	Oxdale Products Unit 20 – 21 Foxwood Road Off Sheepbridge Lane Chesterfield S41 9RF
Year of Construction	
Machinery Type	Series 1000 Post Knocker
Mass of Machine	
Serial Number	
Max. Hydraulic Oil Operating Pressure	

Oxdale Products Ltd
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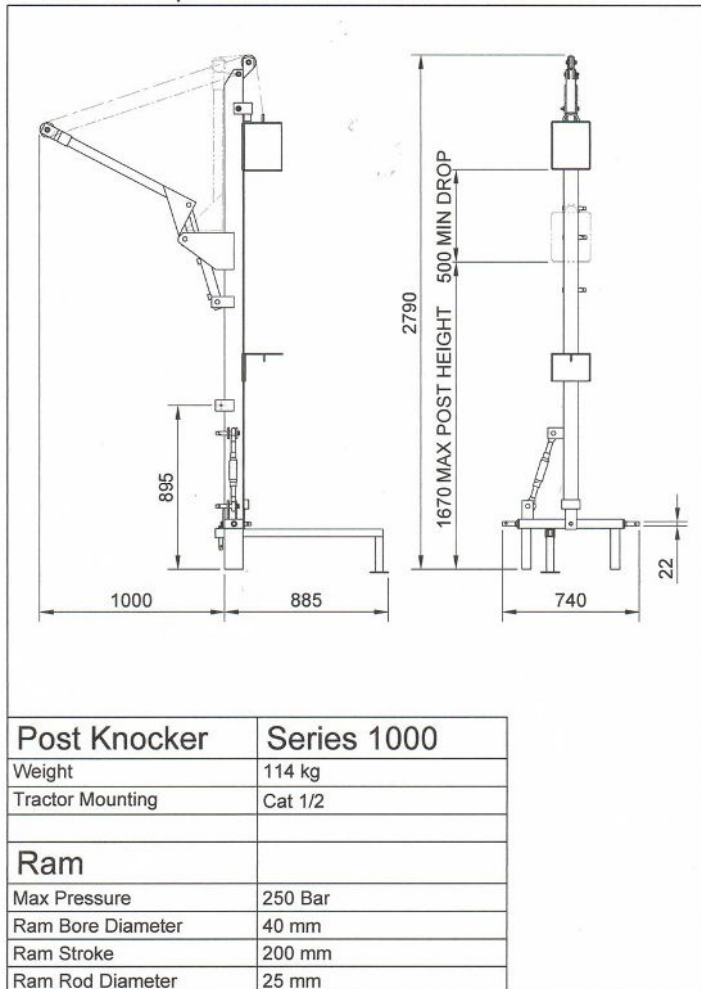


Registered Address:

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30 Oxcroft Estate
Stanfree
Derbyshire
S44 6AU
Company Number: 6490139 England & Wales

Technical Specifications Series 1000 Post Knocker

Technical Specifications - Series 1000



QUICK GUIDE

Before the post knocker can be used for the first time:

- Fit the post knocker to the tractor.
- Remove the stand and store in a safe place.
- Connect the hydraulic hose to the tractor spool valve with the engine switched off.
- Grease the weight slide plate.
- Set the hydraulic oil flow rate.

Pre Operation Check List

It is important for both personal safety and maintaining the good mechanical condition of the post knocker that the following checklist is followed.

- Grease the weight slide plate every three hours of operation and pre/post season.
- Check that all hydraulic fittings and connections are tight and in good condition.
- Check for damaged, worn, missing parts, paying attention to the rope and replace if necessary.
- Replace missing or illegible safety decals.

Operating Instructions

- Attach the post knocker to the tractor.
- Lift the post knocker and remove the stand and store in a safe place.
- Connect the hydraulic hose to the tractor spool valve with the engine switched off.

- Adjust the oil flow control valve so that the weight moves up at a safe speed without any bounce of the weight at the top position.
- Position the tractor where the post is to be driven and apply the parking brake.
- Using the two screw top links move the mast of the knocker into the vertical position.
- Raise the knocker weight to the top position.
- Lift the stamp plate and place the post in position and lower the stamp plate on to the post.
- Return to the tractor seat and drive the post to the required depth.
- Raise the weight to the upper position, free the stamp plate pin from the post and move the tractor so the knocker clears the post. Lower the weight and move the tractor to next post position and repeat the process.

Post Operating Checks and Maintenance Instructions

- Periodically wipe the post knocker down with a cloth to keep it free from debris.
- It is recommended that your post knocker is stored in a dry place in a vertical position on hard standing using the stand supplied.

Warranty Information

Warranty claims which arise as a result of incorrect operation, insufficient maintenance or the use on non – approved consumables (lubricants, hydraulic oils etc) will not be accepted by the manufacturer.

Only original Oxdale parts may be used. When ordered replacement parts please provide the model name and number. Pressure adjustments to valves must only be carried out by Oxdale authorised dealers.

No liability is accepted for damage caused by Oxdale Products is damage is caused by incorrect repairs or the non use of original Oxdale replacement parts or if repairs have not been carried out by Oxdale or a pre authorised specialist. The same applies to auxiliary parts and accessories.

All warranty claims are on a return to manufacturer basis.

All Oxdale Products have a full twelve month warranty.

Storage

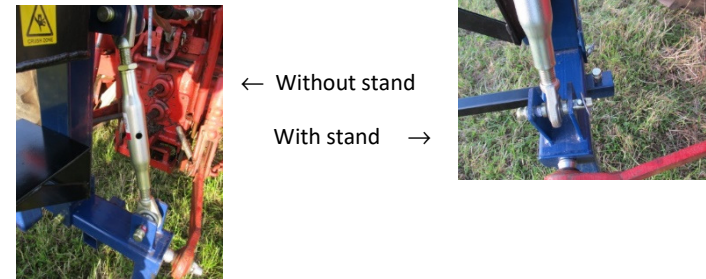
When preparing the post knocker for storage, refit the stand and store in the upright position on hard, level ground in a dry place.

IN DEPTH INSTRUCTIONS

Before First Use

Fitting the Unit to the Tractor

The post knocker is designed for fitting to a cat 1 or cat 2 tractor. After fitting the unit to the tractor remove the stand and store in a safe place.



Connecting hydraulic hoses to the tractor with the engine switched off:



Observe the operating instructions issued by the manufacturer of the tractor which you are going to connect the post hole knocker to.

The post knocker has been adjusted to have an adjustable hydraulic oil flow supply and a free flowing return.

The hydraulic supply pipe on the post hole knocker is fitted with a male half inch quick release coupling.

The hydraulic ram on the knocker is fitted with an automatic ram breaker.

Greasing

The weight slide plate needs to be greased where the weight slides up and down. This should be carried out every three hours of operation or at the start of each day.



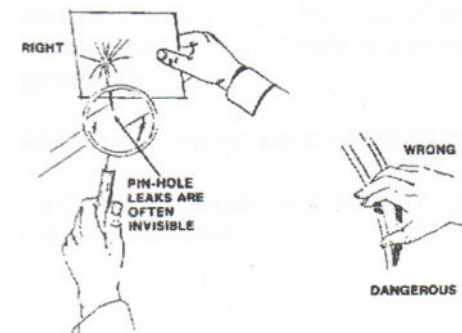
Set the Tractor Flow Valve

Before using the post knocker, you must set the tractor flow control valve. Refer to the tractor operating instructions for how to do this. The flow rate should be set so that the weight is lifted at such a speed that the rope remains taut at all times. If the flow rate is too high then the weight will bounce at the top of the ram stroke which can damage the rope and clamps.

Hydraulic System

Periodically check the hydraulics for oil leaks, worn hoses and loose fittings. Please note that the pressure within the hydraulic systems can exceed 2000psi. Reinforced hoses develop pin hole leaks and hydraulic connections can vibrate loose. Hydraulic leaks may be hard to see. Never check for these leaks with your hand. The high pressure can inject oil droplets under the skin. Oil injected under the skin is a medical emergency and will require immediate medical attention.

When checking hoses and fittings these can become very hot from heavy use. Place your hand near the connection to sense for heat before touching the connection. If the area is hot, allow the hydraulic system to cool down before touching any heated connections.



Post Operating Checks and Maintenance Instructions

At the end of each day's work the unit should be cleaned. The removal of wood chips and debris from the unit is advisable as well as removing any contaminated grease from the weight slide plate.

Check for any loose bolts at regular intervals and also examine the rope for any wear and fraying.

DO NOT OPERATE THE UNIT WITH A DAMAGED ROPE

OPERATING INSTRUCTIONS

The post knocker is designed for driving wooden posts only. It can handle posts from 50mm to 200mm in diameter and up to 1.8 meters in length. Only persons competent to do so and having read this manual in full should operate the post knocker. Before each use a visual inspection of the unit should be carried out noting any damage and wear. Before the unit is used ensure any defective parts have been repaired or replaced. Particular attention must be paid to the condition of the rope and the clamps.

- Position the tractor on solid ground when operating the knocker.
- Prior to driving any posts ensure that there are no underground or overhead services that the post or machine can contact/foul.
- Manoeuvre the tractor to where the post is to be driven (with the weight lowered) and apply the parking brake.
- Ensure all lynch pins are in place.
- Using the two screw top links move the axis of the knocker into the vertical position.



- Raise the weight to the top position, lift the stamp plate and place the post under the stamp plate. Lower the post plate so that the spike is in the centre of the post.



- Return to the tractor seat and drive the post to the required depth.
- Raise the weight to the top position, free the stamp plate and move the tractor a meter or so from the driven post.



- Lower the weight to the lowest position before moving to the next post.



- Do not operate the post knocker with no post in place as this may damage the unit. (DO NOT BLANK FIRE.)