

CLYDESDALE

Powering the Future

User Instruction : CLY 1104

Manual Pole Jack

IMPORTANT NOTE:

The Pole Lifting Jack is designed and constructed to remove poles which have been sited in the ground. These poles are removed without damaging or distorting the pole locating hole.

The pole jack must only be used in conjunction with additional, primary pole lifting and steadying equipment, in order to stabilise the pole during removal.

It is not to be used as a sole or primary lifting device.

Always use and handle in accordance with your Company Policy and Method Instructions for the work you are carrying out.

Refer to your Site Supervisor for further guidance.

Clydesdale Pole jack is only for operation by a trained Person.

Jack Lifting Capacity:	3000kg
Assembled weight:	Jack assembly = 60kg, pump assembly 20kg
Oil type	ISO 46 Hydraulic Oil

Operating Procedure

1. Ensure all primary pole support arrangements are in place for lifting and removing pole. (see important note above).
2. Ensure basic maintenance and checks have been carried out before assembling jack. Pay special attention to the cleanliness of hydraulic fittings and the pump assembly's oil level. Ensure air pressure in top fitting of ram is set to 40PSI / 2.75 bar with air pressure gauge.
3. Assemble the base as shown in image 1.



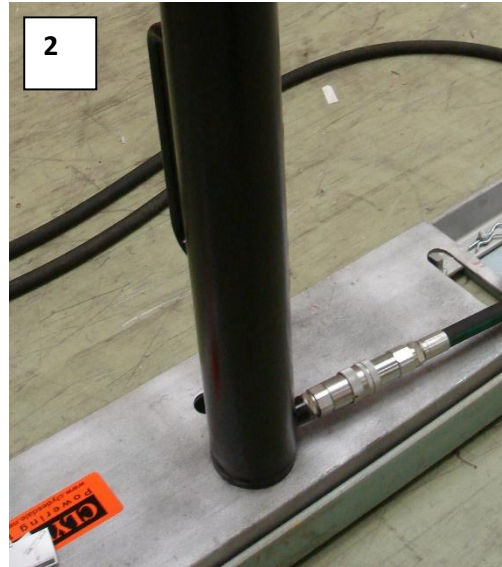
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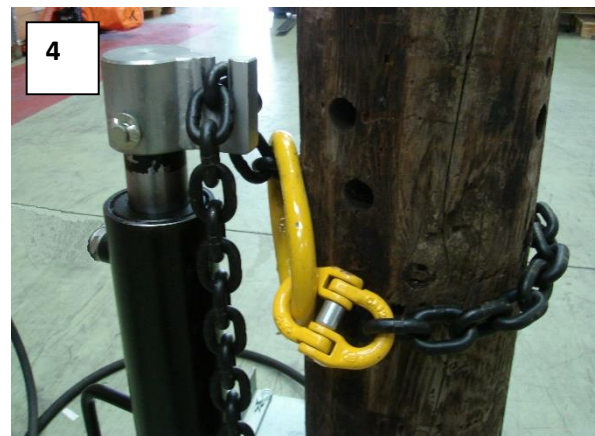
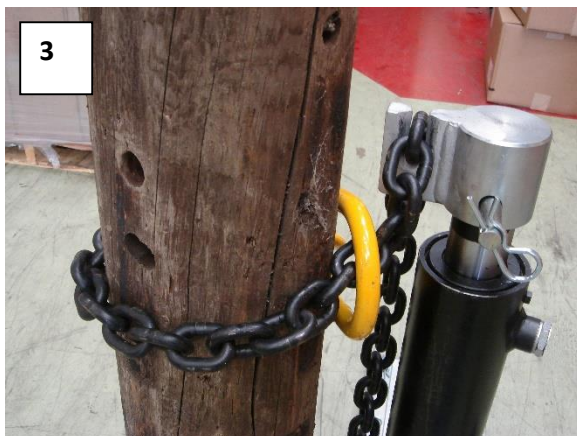
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4. Mount the hydraulic cylinder on the base as shown in image 2. This assembly then needs to be positioned against the pole that is to be removed.



5. Connect the hydraulic hose from the manual pump on to the cylinder.
6. Loop chain around pole and attach to chain hook on cylinder. See images 3 and 4



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7. Position manual pump assembly on flat stable ground with no overhanging obstructions. The person operating the pump should ensure they are wearing the correct PPE as described in their company policy and that they have a safe, stable footing.
8. Ensure pump control knob is in the "closed" position, turned clockwise until it stops.
9. Ensure all support arrangements are ready for the pole to be removed and begin pumping the pump lever in slow even strokes.
10. As cylinder begins to extend ensure that chain "lasso" is gripping pole and that the ground under the pole jack is supporting the load correctly. Ensure that ram never extends more than 500mm to prevent damage to air spring arrangement on top of ram. Over extending the ram may result in failure of the air valve which, in the extreme, could lead to metal parts being projected out of the valve stem.
11. Once sufficient pole lifting has occurred, ensure that primary lifting equipment is taking the weight of the pole completely from the jack before undoing the chain.
12. Once the extracted pole has been removed the pump control knob can be opened slowly to lower the ram.
13. To disconnect hose when required pull back outer, knurled sleeve on each quick release fitting and separate.

Basic Maintenance and checks

1. Examine system for leaks and for hose damage. If any are identified then complete device should be quarantined and not used until repairs can be completed.
2. Ensure quick release hose fittings are kept clean at all times. Allowing contamination to get into quick release couplings can cause them to fail along with failure of pump mechanism.
3. Ensure oil level is in centre of plastic "sight glass" fitting when cylinder is fully in the "Lowered" position with pump on level ground. See image 5.
4. Ensure that all pivots on the pumping handle are secure
5. Store pump assembly in the upright position to prevent oil leaking from the reservoir
6. Ensure that air pressure in top of ram is maintained at 40 PSI / 2.75 BAR when ram is fully retracted.



Sight glass
for oil level