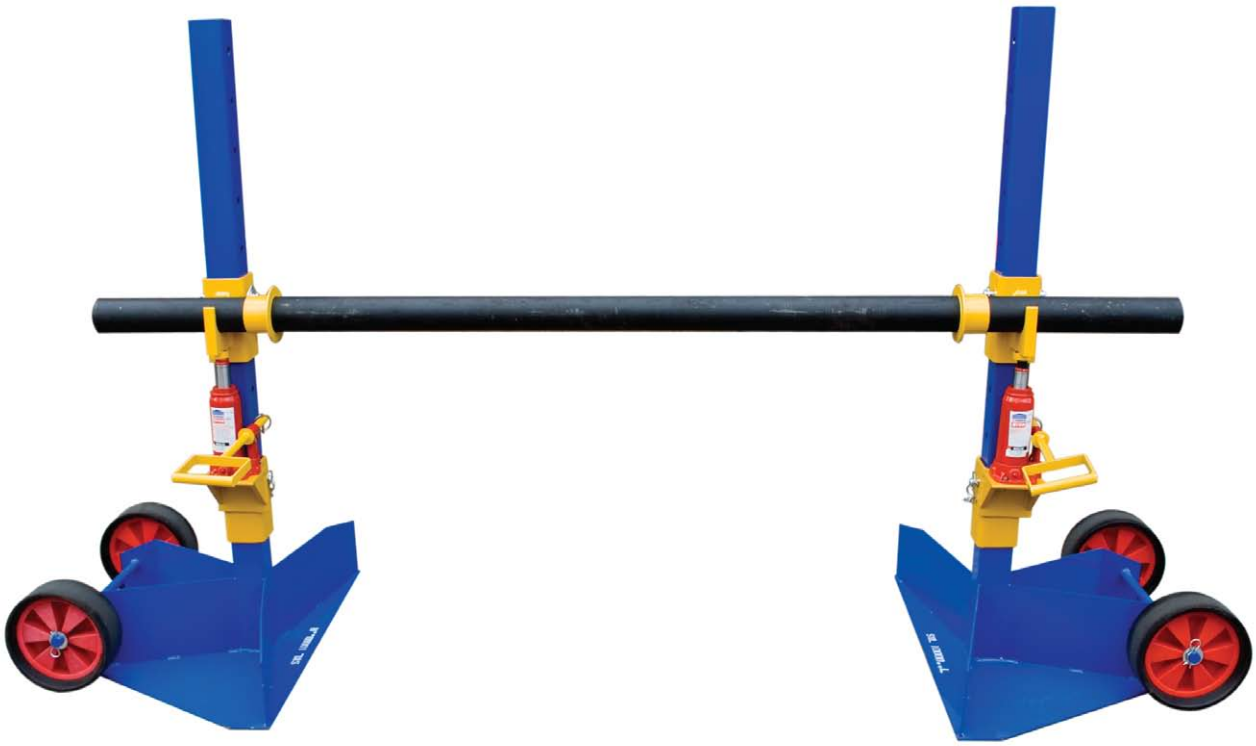
RITELITE (SYSTEMS) LTD

Hydraulic Cable Drum Jacks



IMPORTANT! PLEASE READ THESE INSTRUCTIONS CAREFULLY. USE THIS PRODUCT CORRECTLY AND WITH CARE ONLY FOR IT'S INTENDED PURPOSE. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY. COMPLY WITH STATUTORY AND YOUR COMPANY INSPECTION REQUIREMENTS. DO A RISK ASSESSMENT BEFORE USE.

SAFETY INSTRUCTIONS

- Ensure Cable Drum Jacks are in good order and condition. DO NOT use if damaged.
- Check that the capacity of the Cable Drum Jack Stands is suitable for the cable drum to be used.
- Only use in pairs with same serial number.
- Use only on a firm, flat surface capable of taking the combined weight of the equipment and load.
- The stands are handed. Ensure that the extended side of the base is towards the direction of cable pull. See fig 1.
- Position the drum so that the cable feeds off at the bottom of the drum not the top. See fig 4.
- Ensure that the cable drum is central on the shaft with the weight evenly distributed between the two stands. See fig 3.
- Use the shaft collars to locate the drum centrally on the shaft. See fig 3.
- Ensure that the stands are placed as close to the drum as possible allowing for free rotation of the drum. See fig 3.
- Old and corroded drum inserts may require lubrication to ensure free rotation.
- Check that the shaft is horizontal to prevent the shaft wandering in use.
- Use the jacks to lift the drum clear of the ground only to the next free securing pin hole. Note only one hole in the yellow traveller needs to align with the blue post hole.
- The rim of the drum must be lifted just clear of the ground to allow free rotation. Lift no higher.
- Insert retaining pins. Do not pull cable off until weight is on retaining pins NOT with weight being carried by jacks.
- Ensure that the load is balanced, stable and that personnel stand clear of the raised load.
- Pull cable gently and evenly. Continually check drum for free rotation. Uncoil the cable slowly, if the drum rotates too quickly there is a risk of the assembly toppling over.

MAINTENANCE & INSPECTION

Store Cable Drum Jack Stands upright with jacks in the “down” position to prevent piston corrosion. Oil jack extension screw occasionally. If jacks will not pump to fully “up” they may require topping up with a quality grade hydraulic oil. To top-up, lower pump and piston to fully “down” position. Remove rubber plug in side of body and fill to lower rim of hole. Purge air from system (see below). Replace rubber plug.

To purge air from system, open release valve, remove filler plug. Operate pump quickly several times to remove air. Close release valve, replace filler plug.

Before each use, check that all welds are free of cracks and that Drum Jack Stands have no dents or damage. Check that there are no missing parts. The transport handle doubles as the jack handle.

INSTRUCTIONS

Wear appropriate protective clothing, gloves, boots and hard hat.

Cordon off a suitable working area and exclude anyone not included in your safe working plan.

Place cable drum on a flat firm surface correctly aligned with the direction of pull with the cable feeding from the bottom. See fig 4.

Set up Cable Drum Stands either side of the drum with the extended side of the base plates towards the direction of pull. See fig 1.

Lower jacks and support brackets below the centre hole of the drum.

Install the shaft though the drum and fit the collars either side of the drum to locate the drum centrally between the stands. See figs 1, 2 and 3.

Ensure that the stands are placed as close to the drum as possible allowing for free rotation of the drum.

Check that the jacks are fully retracted and that the release valve is closed firmly clockwise. Do not over tighten. See fig 2.

Raise the jacks and support brackets to the nearest locating holes below the drum shaft.

Fit the locating pins in the jack support brackets. Take up slack by extending jack screw.

Use the jacks to lift the drum clear of the ground only to the next securing pin hole. The rim of the drum will now be only just clear of the ground to allow free rotation. Lift no higher.

Insert retaining pins. Do not pull cable off until weight is on retaining pins, NOT with weight being carried by jacks.

Check that the weight is evenly distributed, the drum shaft is horizontal and that the ground is supporting the Cable Drum Jack Stands securely.

Pull cable gently, slowly and evenly. Continually check drum for free rotation and stability.

After use, pump jack slightly to take weight off shaft support bracket pins (top pins), remove pins and lower shaft by slowly turning jack release valves anti clockwise. See fig 2.

Chock drum to prevent it rolling when shaft is removed.

Model DH/500 is a set of jacks the same as those for 10 tonnes but supplies with a shaft to carry 5 tonnes. Shaft is 1900mm x 2½ inch OD x ¼ inch wall.

Model DH/1000 is suitable for cable drums of maximum weight 10 tonne gross, of minimum diameter 1370mm, maximum diameter 2600mm. Shafts can be 2500mm x 3¼ inch OD x 5/16 inch wall, or 1900mm x 3¼ inch OD x 5/16 inch wall.

fig 1

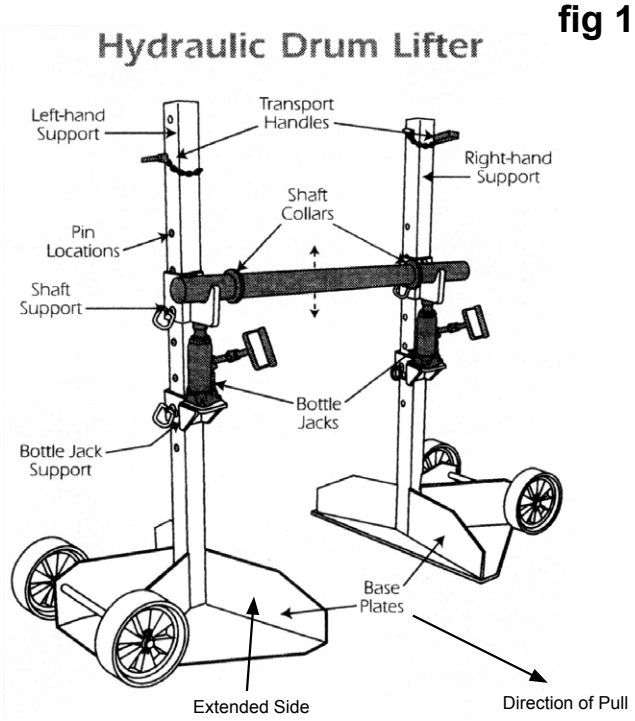


fig 2

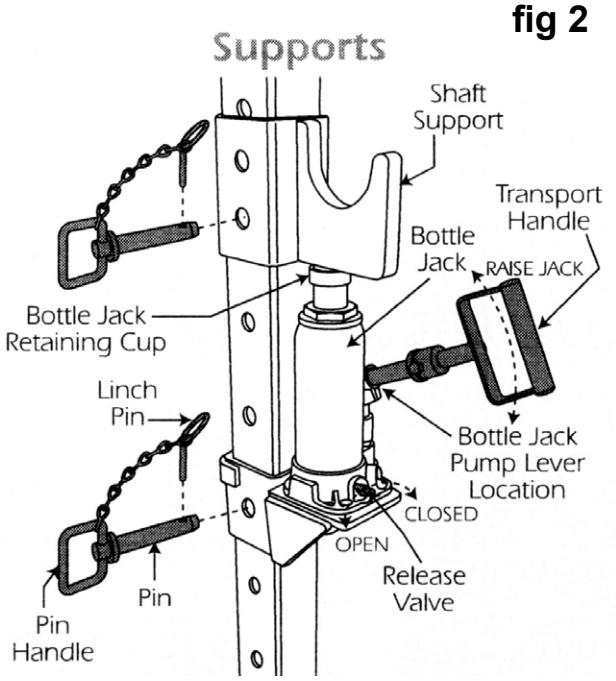


fig 3

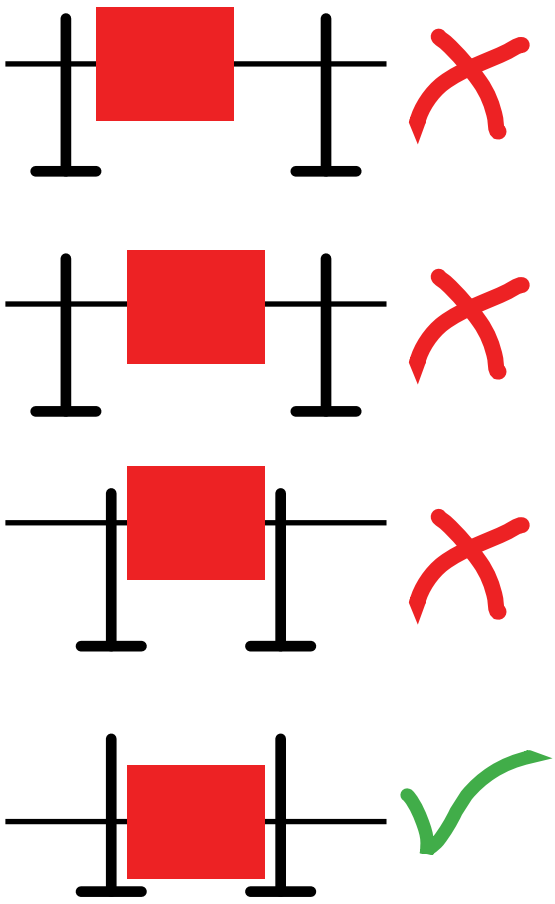
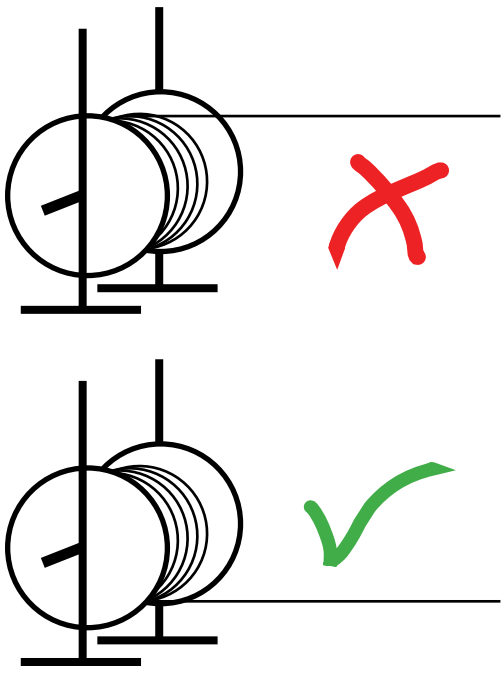


fig 4



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