



## INSTRUCTIONS FOR

# TROLLEY JACKS 3, 5 & 10 TONNE EUROPEAN STYLE

MODEL NO: **3000ES, 5000ES, 10000ES**

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.



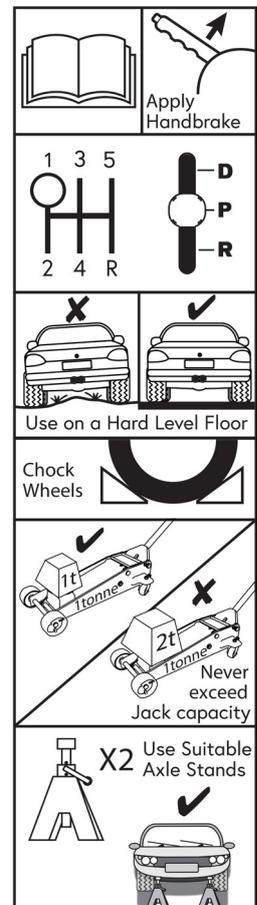
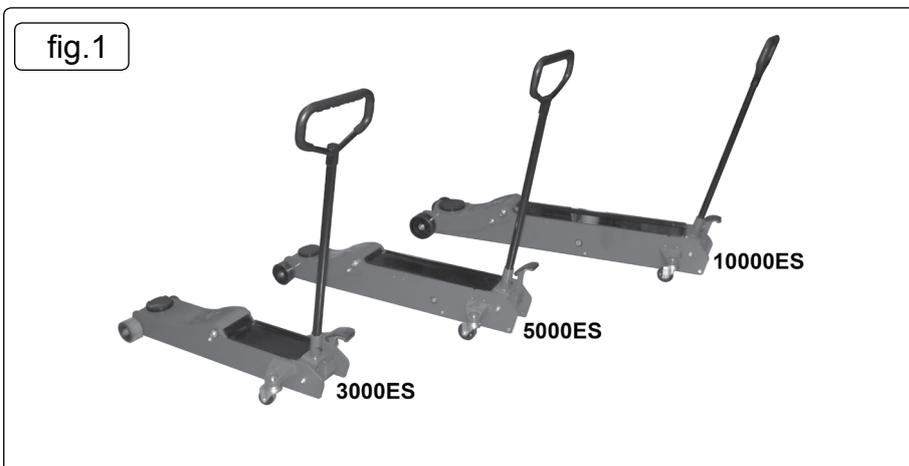
Refer to instructions



Wear safety footwear

## 1. SAFETY

- ✓ Ensure the jack is in sound condition and good working order. Take action for immediate repair or replacement of damaged parts. Use genuine parts only. The use of unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Locate the jack in a suitable, well lit, work area.
- ✓ Keep work area clean and tidy and free from unrelated materials.
- ✓ Use jack on level and solid ground, preferably concrete. Avoid tarmac as jack may sink in.
- ✓ Place wedges under wheels of vehicle (but ensure wheels of jack can move freely).
- ✓ Ensure the vehicle handbrake is engaged, engine is switched off and transmission is in gear (or "Park" if automatic).
- ✓ Ensure minimum distance of 0.5m between vehicle and static objects such as doors, walls, etc., to allow for vehicle tilting.
- ✓ Ensure there are no passengers in the vehicle.
- ✓ Ensure all non-essential persons keep a safe distance whilst the jack is in use.
- ✓ Only place jack saddle under those lifting points recommended by the vehicle manufacturer (see vehicle handbook).
- ✓ Check the lifting point is stable and centred on the jack saddle.
- ✓ Ensure the jack wheels are free to move and that there are no obstructions.
- ▲ **DANGER:** Use the jack for lifting only, **NOT** for supporting the lifted load.
- ✓ Use suitable capacity axle stands under the vehicle before proceeding with any task.
- ✓ Ensure there are no persons or obstructions beneath the vehicle before lowering.
- ✓ Use a qualified person to maintain or repair the jack hydraulic system.
- ✗ **DO NOT** operate the jack if damaged.
- ✗ **DO NOT** allow untrained persons to operate the jack.
- ✗ **DO NOT** exceed the rated capacity of the jack.
- ✗ **DO NOT** allow the vehicle to move while supported by the jack, or use the jack to move the vehicle.
- ✗ **DO NOT** jack vehicle if there is a risk of spillage of fuel, battery acid, or other dangerous substances.
- ✗ **DO NOT** work under the vehicle until axle stands have been correctly positioned.
- ✗ **DO NOT** use the jack for purposes other than that for which it is intended.
- ✗ **DO NOT** top up hydraulic system with brake fluid. Use hydraulic jack oil only.
- ✗ **DO NOT** adjust the safety overload valve.
- ✓ When not in use store jack, fully lowered, in a safe, dry, childproof area.



## 2. INTRODUCTION

European style trolley jack manufactured to exacting standards. Lifting arm has two speed lifting and lowering; lowers rapidly when no load is attached and provides smooth, slow, controlled lowering with a load. Lift-and-twist 'Dead Man' lowering mechanism operated via 'D' shaped handle prevents accidental lowering. Nylon wheels fitted which are quiet in operation and help prevent damage to garage floors. Foot pedal for quick approach of the lifting saddle to the vehicle. Also includes removable rubber saddle pad and built-in tool tray for fasteners and tools.

## 3. SPECIFICATION

Model No: . . . . .	3000ES	Model No: . . . . .	5000ES	Model No: . . . . .	10000ES
Capacity: . . . . .	3tonne	Capacity: . . . . .	5tonne	Capacity: . . . . .	10tonne
Min. Saddle Height: . . . . .	140mm	Min. Saddle Height: . . . . .	150mm	Min. Saddle Height: . . . . .	170mm
Max. Saddle Height: . . . . .	610mm	Max. Saddle Height: . . . . .	583mm	Max. Saddle Height: . . . . .	576mm
Max. Chassis Height: . . . . .	185mm	Max. Chassis Height: . . . . .	220mm	Max. Chassis Height: . . . . .	240mm
Length: . . . . .	1100mm	Length: . . . . .	1305mm	Length: . . . . .	1605mm
Weight: . . . . .	48.8kg	Weight: . . . . .	71.3kg	Weight: . . . . .	122.5kg

## 4. ASSEMBLY

- 4.1. Remove locating bolt at the front of the handle base. Push handle into socket and re-insert locating bolt through the socket, ensuring that it fits correctly in the groove.
- 4.2. Before using the jack for the first time, purge hydraulic circuit in order to eliminate any air in the system. To do so, pull the handle upward and turn it anti-clockwise to open the release valve. Hold the handle in the open position and pump it up and down 7 or 8 times. To close the hydraulic valve turn the handle clockwise and push down.
- 4.3. Place a few drops of hydraulic jack oil on the pump piston and pump the handle several times to distribute the oil. Lubricate all moving parts thoroughly.

## 5. OPERATION

- 5.1. **General jacking**
  - WARNING!** Before lifting ensure Section 1 safety instructions are strictly followed.
  - 5.1.1. Prepare vehicle as described in safety instructions ensuring that the ground on which jack is to stand is level and solid (not tarmacadam).
  - 5.1.2. Position the jack saddle under the vehicle manufacturer's recommended lifting point (see vehicle handbook).
- 5.2. **Jacking the vehicle**
  - 5.2.1. Ensure the release valve is closed (i.e. the handle is pushed down and turned fully clockwise). Commence pumping the handle, or the foot pedal, using the full stroke, until the vehicle reaches the working height.
  - 5.2.2. Should the jack become overloaded, a safety excess pressure valve will open and stop the vehicle from lifting.
- 5.3. **Lowering the vehicle**
  - 5.3.1. Pull the handle up and turn it anti-clockwise to open the valve and lower the load.
  - 5.3.2. The loaded lowering speed is controlled and constant regardless of how much you turn the handle.
    - WARNING!** Ensure that there are no persons or obstacles beneath the vehicle, or in the path of descent.

## 6. MAINTENANCE

- Only fully qualified personnel should attempt maintenance or repair.
- 6.1. When the jack is not in use, the ram should be in its lowest position to minimise corrosion. Remove the handle to deactivate jack.
  - 6.2. Keep the jack clean and lubricate all moving parts with acid free oil on a regular basis.
  - 6.3. To check the oil level, pump the jack to approximately half height and with the help of another person, upend the jack (i.e. so that the ram is vertical and the jack is resting on the handle).
    - WARNING:** Ensure that a second person remains to hold the jack stable in the upended position - **DO NOT** attempt this operation unaided.
  - 6.3.1. Remove the filler screw. Correct oil level is just below the lower edge of the filling hole (fig.2). Approximate oil capacity - 0.3ltr. **IMPORTANT: DO NOT** overfill as this may effect the smooth operation of the jack.
    - NOTE:** Use a good quality jack oil, such as SEALEY HYDRAULIC JACK OIL.
    - WARNING: DO NOT** use brake fluid or any fluid other than hydraulic jack fluid, as this may cause serious damage to the jack and will invalidate the warranty!
  - 6.4. Before each use check for broken, cracked, bent, or loose parts, or any visible damage to ram, pump, saddle, lifting arm, frame and all parts including nuts, bolts, pins and other fasteners. If any suspect item is found remove jack from service and take the necessary action to remedy the defect. **DO NOT** use the jack if it is believed to have been subjected to abnormal load or shock load. Inspect and take appropriate action.
  - 6.5. After one year the oil should be replaced in order to extend the life of the jack. Drain and refill via the filler plug. Make sure that no dirt is allowed to enter the hydraulic system. See 6.3. for refill instructions.
  - 6.6. Periodically check the pump piston and the ram for signs of corrosion. Clean exposed areas with a clean oiled cloth.
    - IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT.**
    - Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.
    - DO NOT RETURN JACKS TO US.** Please telephone us on 01284 757500 to obtain the address and telephone number of your local agent.
    - If jack is under guarantee you can also contact your local dealer.
    - De-commissioning:
      - Should the jack become completely unserviceable, draw off the oil into an approved container and dispose of the jack and the oil according to local regulations.



## 7. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
Jack will not lift the load	<ol style="list-style-type: none"> <li>1) Overloaded</li> <li>2) Oil level low</li> <li>3) Release valve not closed correctly</li> <li>4) Air in system</li> <li>5) Piston rod not functioning</li> <li>6) Packing worn or defective</li> </ol>	<ol style="list-style-type: none"> <li>1) Be sure to use jack with adequate capacity.</li> <li>2) Top up oil level.</li> <li>3) Check and close release valve.</li> <li>4) Open release valve and pump the handle a few times. Close valve and re-try.</li> <li>5) Clean and replace oil.</li> <li>6) Replace packing.</li> </ol>
Jack does not lift high enough or feels "spongy"	<ol style="list-style-type: none"> <li>1) Oil level too high or too low</li> <li>2) Worn seals</li> <li>3) Air in system</li> <li>4) Release valve not closed</li> </ol>	<ol style="list-style-type: none"> <li>1) Fill or remove excess oil.</li> <li>2) Return jack to local service agent.</li> <li>3) Open release valve and pump the handle a few times. Close valve and re-try.</li> <li>4) Check and close release valve.</li> </ol>
Jack lifts poorly	<ol style="list-style-type: none"> <li>1) Pump packing or valves malfunctioning</li> <li>2) Oil is dirty</li> <li>3) Air in the system</li> </ol>	<ol style="list-style-type: none"> <li>1) Replace packing and/or clean valves.</li> <li>2) Replace oil.</li> <li>3) Open release valve and pump the handle a few times. Close valve and re-try.</li> </ol>
Jack lifts but will not hold load	<ol style="list-style-type: none"> <li>1) Release valve partially open</li> <li>2) Dirt on valve seats</li> <li>3) Air in system</li> <li>4) Faulty seals</li> <li>5) Packing worn or defective</li> </ol>	<ol style="list-style-type: none"> <li>1) Check and close release valve.</li> <li>2) Lower jack, close release valve. Place foot on front wheel and pull up lifting arm to full height by hand. Open the release valve lower arm.</li> <li>3) Open release valve and pump the handle a few times. Close valve and re-try.</li> <li>4) Replace or contact local service agent.</li> <li>5) Replace packing.</li> </ol>
Jack will not lower completely	<ol style="list-style-type: none"> <li>1) Unit requires lubrication</li> <li>2) Piston rod bent or damaged</li> <li>3) Jack frame/link system distorted due to overloading/poor positioning</li> <li>4) Air in system</li> <li>5) Release valve partially closed</li> <li>6) Jack spring damaged</li> </ol>	<ol style="list-style-type: none"> <li>1) Oil all external moving parts.</li> <li>2) Replace rod or contact local service agent.</li> <li>3) Replace damaged parts or contact local service agent.</li> <li>4) Open release valve and pump the handle a few times. Close valve and re-try.</li> <li>5) Check and fully open release valve.</li> <li>6) Replace spring or contact local service agent.</li> </ol>
Jack does not lower at all	<ol style="list-style-type: none"> <li>1) Release valve closed</li> </ol>	<ol style="list-style-type: none"> <li>1) Check and fully open release valve.</li> </ol>



### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**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 is required for any claim.

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