



Using the Bumpa Tile Hoist

- Do not attempt to lower the machine until the motor has been stopped, is safe, and there is nothing on the belt.
- Remove the engine pin and position the engine unit to rest into the frame on the pivot collar, then replace the pin and antiluce fastener.
- Rotate belt cover to expose the pulley and place the vee belts onto the machine pulley, then lift the engine to position the belts onto the engine pulley and lower the engine once located.
- Rotate the engine belt tensioner into place so the plunger is over the recess in the engine cradle and operate the lever to tension the belts. Replace the belt guard.
- To utilise the reverse option:** Ensure the engine is immobilised, then rotate open the engine belt cover to expose the engine pulley. Place the green belt onto the top machine pulley in place of the drive belts in either of the v sections. The Green belt should then be twisted into a figure of 8. Then lift the engine to position the lower loop of the belt onto the engine pulley and lower the engine once located. **The engine itself will tension the belt, there is no need to use the belt tensioner.** Then close the guard.
- When reversing, the conveyor belt will not stop automatically when the load reaches the bottom of the Hoist, so be prepared to lift the load off the belt as it approaches the base of the machine.
- Adjust the loading guides at the base of the machine to ensure that the load goes up evenly.
- Do not improvise any replacement for worn or damaged parts. Only use replacements supplied by the Mace Industries or the hire company.
- Make sure nobody does anything to the machine that would affect its performance or is likely to damage it.
- Do not use the machine to carry anything that is flammable or any materials that are hot and may set fire to or damage the hoist.
- A competent person should check the scrolling and the connections at least once a week.
- If the Bumpa does not appear to be working properly, do not attempt to repair it. Contact the hire company.

Please keep this leaflet safely as it may be required for future reference



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Petrol Bumpa Hoist

Please read the entire leaflet before using the Bumpa loading machine. There are rules and procedures that may require the person responsible for this equipment to carry out a specific risk assessment. This leaflet is not a substitute for a properly executed risk assessment.

- This leaflet is intended as guidance on the safe erection and use of a Bumpa tile hoist.
- A competent person must take responsibility for the safe use of the Bumpa.
- If you have not used this type of hoist before, familiarise yourself with how the Bumpa works before you start loading the machine.
- The Bumpa is designed to provide a quick and safe way of transporting tiles, bricks, blocks and buckets from ground level to a roof, or similar high place, or from the roof to ground level.
- Plan ahead to make sure that you are in a suitable environment to use the hoist.
- The following items of personal protective equipment must be worn as a minimum – hard hat, safety boots and ear muffs or plugs giving protection up to 87dB(a).
- The Bumpa must not be used by minors or by anyone under the influence of drugs or alcohol.
- The Bumpa is designed for operation by an able bodied adult. Anyone with either a temporary or permanent disability must seek expert advice before using it.
- The Bumpa tile hoist is a heavy machine, get help if you have to unload it from your vehicle. Do not lift beyond your own capabilities.



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WORK AREA

- An appropriate person should assess the suitability of the products to be carried up on the Bumpa tile hoist. It must be able to safely carry cargo up either in the buckets or on the supports.
- Using this equipment indoors or in confined spaces could cause fatal carbon monoxide poisoning. **Never** use it in domestic premises and only use it in other indoor situations if its suitability and the ventilation required has been fully assessed. Mechanical extraction ventilation will almost always be required.
- If the Bumpa is to be clamped to scaffold, the scaffold erector should be informed so that provision can be made for it.
- Confirmation should be sought from the scaffold erector that the scaffold assembly is capable of supporting the Bumpa tile hoist, if there is any doubt then the scaffold erector should be present when the Bumpa is being erected.
- Other persons working nearby must be given adequate protection from any danger, this may include barriers and suitable overhead protection from falling debris.

OPERATORS

- The following items of personal protective equipment (PPE) are the

Before Starting Work...



- minimum that should be worn whenever the equipment is used. Particular jobs or environments may require a higher level of protection. Ensure there is no loose or flapping clothing that could get caught in the machinery.
- Safety boots must be worn at all times when operating the machine.
- A safety helmet must be worn when working at height and always when working with the machine to safeguard against falling objects.
- Gloves should be worn to protect hands.
- Anyone working nearby should also wear appropriate PPE.

BUMPA TILE HOIST

- Inspect the tile hoist and all equipment thoroughly. This should be carried out on first use and on a daily basis.
- If any problems are encountered with the Bumpa tile hoist or other hired equipment – do not use. Contact the hire company immediately.

- The machine should be serviced and tested least once a year by a competent person.

ERECTING THE BUMPA TILE HOIST

- First select a suitable level area to open the hoist. Always check for overhead obstructions prior to opening the hoist.
- Lock wheel brakes on, then with one individual standing on the hoop at the base of the machine to counterbalance the weight, a second individual raises the opposite end of the machine until the hoop reaches the floor.
- Release antiluce catches then walk out the top section until it makes an A shape and rest the head of the machine on the ground.
- With an individual supporting the centre, release the brakes and walk the base backwards until the machine is fully open, keeping hands clear of the hinge piece.
- Remove clip from base section and place it through the hinge to lock it into place.

- The head of the Bumpa can then be raised to the roof or scaffold by rope.
- Once the machine head is on the scaffold it can be fixed to the boards or held in place on a scaffold pole with a scaffold clamp.
- With 10 metre machines only:** prop extension should be put in place to stop the machine from bending in the centre.
- Finish erecting the machine by fixing the scaffold chute and pendant control to the end of the machine.

DISMANTLING THE BUMPA TILE HOIST

- The Bumpa tile hoist should be dismantled by reversing the erection procedure.
- The Bumpa should be lowered gradually using the same rope method used to pull the machine up.
- Do not attempt to lower the machine until the motor has been stopped, is safe, and there is nothing on the belt.



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