

Mini Excavator Trailer

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read all of this leaflet BEFORE using the Mini Excavator Trailer

- Plan your work and think ahead to make sure you will always be working safely.
- It is important to read all of this leaflet and others provided before you use the Mini Excavator Trailer.
- If your vehicle/trailer combination exceeds 3.5 tonnes and you are "at work", then the tachograph rules apply. Find out about tachographs.
- This Mini Excavator Trailer is designed solely to carry a mini excavator, up to its rated carrying capacity, being towed by a road legal vehicle on made up roads. It must not be used for any other purpose.
- It must not be used for carrying passengers or livestock.
- The use of this mini Excavator Trailer can cause injury or damage if it is not used in a careful and controlled way.
- You must have at least the following items of personal protective equipment: A safety helmet complying with EN397; Strong gloves for handling wire ropes; High-visibility clothing complying with EN471 when working on the public highway or on a construction site.
- You should not use the Mini Excavator Trailer unless you are authorised, and have an appropriate driving licence. See Driving Licence.
- This Mini Excavator Trailer must not be used by minors, or by anyone under the influence of drugs or alcohol.
- The manual manoeuvring of this Mini Excavator Trailer should be carried out by one or more able bodied adults. Anyone with either a temporary or permanent disability must seek expert advice before using it.



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vehicles over 7.5 tonnes, articulated vehicles, and other unusual vehicles, check the speed limit for your vehicle before you drive.

- You must not travel in the right-hand lane of a motorway with three lanes or more.
- Drive at a speed that is well within the capabilities of your vehicle, yourself and to the road and weather conditions.
- Should your trailer start to snake or swerve (usually caused by excessive speed), ease off the accelerator and reduce speed gently.
- Reversing will require practice but always get out of the vehicle to check any blind spots or seek assistance.
- If the Maximum Authorised Mass (the combined maximum designed capacity of towing vehicle and trailer) exceeds 3500KG, and the vehicle is used for hire or required for the commercial carriage of goods, a tachograph must be used. The driver of the towing vehicle in these circumstances must comply with the Drivers' hours and Tachograph Rules for Goods Vehicles in the UK and Europe. These rules can be obtained from the Vehicle and Operator Services Agency (www.vosa.gov.uk).
- If your equipment does not work properly do not attempt to repair it. Contact the hie company.

OPERATORS

- The driver of the towing vehicle has the responsibility for the safe operation of the towing vehicle and trailer.
- The driver of the towing vehicle must hold an appropriate driving licence to tow this trailer.
- The driver of the towing vehicle must establish that the towing vehicle is capable of towing the trailer safely. The vehicle manufacturer's recommended towing limit, which is found in vehicle manufacturer's handbook and on the VIN plate on the Maximum Gross Weight (G.V.W.) of the trailer will be found on the identification plate, normally located in the 'A' frame, close to the towing hitch.
- The driver of the towing vehicle must have at least the following items of personal protective equipment:
 - A safety helmet, complying with EN 397, when working on a construction site.
 - Strong gloves for handling wire ropes.
 - High-visibility clothing complying with EN471 when working on the public highway or on a construction site.



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USING THE MINI EXCAVATOR TRAILER

- The addition of a loaded trailer to a vehicle will inevitably have a very serious effect on the vehicle's performance:
 - Starting, particularly on hills, will be affected.
 - Stopping can take longer distances.
 - Cornering and negotiating sharp bends requires extra care.
 - The rate of acceleration will be reduced.
 - Fuel consumption will be increased.
 - Driving style will need to be modified. The performance mentioned above will require:
 - Greater concentration.
 - The additional length will require greater care when overtaking and cornering.
 - Reduced acceleration will require longer distances required when overtaking.
 - On side winds will be more noticeable.
 - The slipstream and suction effect of large commercial vehicles can affect the stability of the vehicle.
 - You must not exceed the speed limits of the vehicle.
 - Drivers' hours and Tachograph Rules for Goods Vehicles in the UK and Europe are not necessarily safe speeds.
 - 30mph limit applies on all roads with street lighting unless signs show otherwise. On other roads the speed limit is 50mph, on a single carriageway and 60mph on dual carriageways and motorways, for general vehicles under 7.5 tonnes.
 - The speed limits may be different for different types of roads.
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LOADING A HITCHED MINI EXCAVATOR TRAILER

- Always apply the towing vehicle manufacturer's instructions for hitching the trailer.
 - The hitched trailer is considerably more stable than when unhitched. The jockey wheel must be left raised.
 - Ensure the jockey wheel is fully raised and the rear support legs are lowered and clamped.
 - Follow instructions 6 to 13 on overload.
- ## HITCHING A MINI EXCAVATOR TRAILER
- Take your time, do not hurry. Work to a routine or from a checklist to ensure you do not forget anything.
 - Apply the trailer/handbrake and check the towball and electrical socket dust covers and security devices.
 - Raise the front of the trailer by means of the jockey wheel assembly so the hitch is just above the towball. Some older towball hitches require lubrication - check with the manufacturer.
 - If your towing vehicle mirrors do not fit it will be necessary to adjust the mirrors. Get a helper to guide you to the hitch (place a pole or cane against it if you are alone).
 - Once the hitch is in the correct position, lower the towball and the towball assembly onto the towball of the towing vehicle. Handing hitching have a locking device which stays in place when the towball is lowered. This device will automatically lock onto the ball so the hitch cannot be removed. An indicator to show the hitch is in the correct position.
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Before Starting Work...



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 - The driver of the towing vehicle must hold an appropriate driving licence to tow this trailer.
 - The driver of the towing vehicle must establish that the towing vehicle is capable of towing the trailer safely. The vehicle manufacturer's recommended towing limit, which is found in vehicle manufacturer's handbook and on the VIN plate on the Maximum Gross Weight (G.V.W.) of the trailer will be found on the identification plate, normally located in the 'A' frame, close to the towing hitch.
 - The driver of the towing vehicle must have at least the following items of personal protective equipment:
 - A safety helmet, complying with EN 397, when working on a construction site.
 - Strong gloves for handling wire ropes.
 - High-visibility clothing complying with EN471 when working on the public highway or on a construction site.
 - Any equipment does not work properly do not attempt to repair it. Contact the hie company.
- ## MINI EXCAVATOR TRAILER
- Check your Mini Excavator Trailer. Anyhing damaged, do not use the trailer and contact your hire company for further advice. Ensure that the trailer is compatible with the towbar on the towing vehicle - it will be either a 50mm ball or an eye coupling.
 - If the trailer is to be detached from the towing vehicle, always apply the trailer hand brake. Lower the jockey wheel and support legs. It may also be necessary to disconnect the towbar. Ensure that it is protected from theft with either a hitch lock, wheel clamp or other suitable security device.
 - The driver of the towing vehicle should carry out the following checks each time before starting work:
 - Check that the towbar is in good condition and ready to use by your hire company. You must make sure that it has not been damaged or altered since then.
 - Are all the lights undamaged?
 - Are the towbar cable and plug registration number and style) (both are the correct number and style)?
 - Is the towbar cable or secondary coupling undamaged and correctly connected to the trailer handbrake mechanism?
 - Are your tyre pressures correct? (seek advice from your hire company) and all tyres free from cuts, bulges and all adequate tread, (including the spare)?
 - Tyres must have a continuous tread depth of at least 1.60mm on cars, light vans and trailers, across the centre of the tread.
 - Are you satisfied that the wheel nuts/bolts are tightened to the correct
 - Under the terms of hire, you are responsible for the safe custody of the Mini Excavator Trailer. You must also indemnify your hire company against any loss or damage to the trailer. You may be asked to do this in order to take out proper insurance cover at an extra charge.
 - You should establish with the insurers of the towing vehicle that you are insured to tow a trailer.
 - You are responsible for any damage you cause to property belonging to a third party, or if you are involved in a road traffic accident. If you are in any doubt about your insurance cover, check with your hire company.
 - Great care should be taken when loading a Mini Excavator Trailer. The Mini Excavator Trailer should be moved in a way that is considerably more difficult to move when fully loaded. Place it where it can easily be moved or where the towing vehicle can easily reverse to it to hitch.
 - Always apply the handbrake. In addition it may be necessary to check the wheels on the trailer.
 - When you need to move a trailer manually, raise and securely clamp the rear support legs, leaving the jockey wheel down. A

INSURANCE

- Under the terms of hire, you are responsible for the safe custody of the Mini Excavator Trailer. You must also indemnify your hire company against any loss or damage to the trailer. You may be asked to do this in order to take out proper insurance cover at an extra charge.
- You should establish with the insurers of the towing vehicle that you are insured to tow a trailer.
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- Mini Excavator Trailer is heavy, get help to move it. Do not attempt to move it on sloping ground. To improve the manoeuvrability of a Mini Excavator trailer lower, and wind down the jockey wheel until the wheels of the front axle are clear of the ground. Do not pull beyond your own capabilities, seek help.
- Lower the tailgate/ramp of a Mini Excavator Trailer. Take care as it is heavy, seek help if necessary.
- Sweep the floor of the trailer ensuring it is clear of mud, rubble, brick and concrete dust to ensure good traction for the excavator.
- Drive the Mini Excavator lining it up to the bottom of the ramp.
- Raise the digger arm ahead of the excavator. Drive the excavator slowly up the loading ramp, keeping it centred on the ramp.
- When the excavator reaches the top of the ramp and moves onto the flat floor, be warned, it will lock forward over the apex.
- Drive the excavator forward to a point over the apex of the ramp.
- Lower the excavator's rear support legs.
- Position the bucket teeth under the rail at the rear of the 'A' frame and lower the doker blade to the floor.
- Restrain the excavator using either adjustable straps or chains capable of bearing the weight of the equipment. The straps should be fixed to a secure tie-up point on both the excavator and the trailer. (Continued overleaf...)