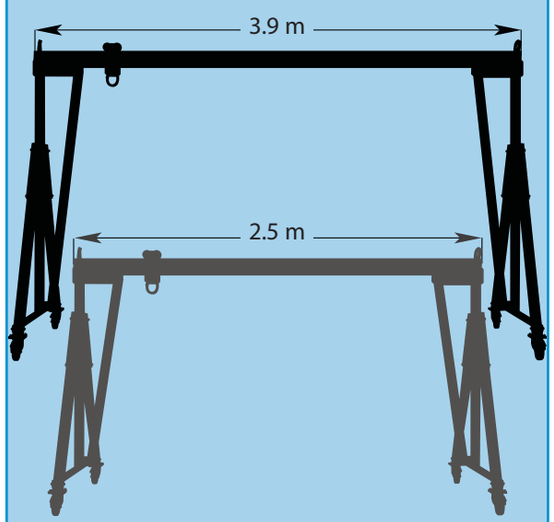
BASIC TECHNIQUES

Move the assembly to the exact position where it will be required and lock the castor brakes.

The mobile gantry is not designed to be moved when under load. Once in position, you should only use the mobile gantry to raise and lower the load and move along the beam length.

The unit should now be ready to use, however, do double check that all nuts and bolts are securely tightened.

DIMENSIONS



Beam length	3.9 m	2.5 m
Working length	3 m	1.58 m
WLL	2 tonne	2 tonne
Height (adjustable)	2.1m-3.1m	2.1m-3.1m

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact your local HSS Hire for advice.

Keep the equipment clean, you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves and unauthorised users.

FINISHING OFF

Gently lower then detach the load, dismantle the gantry by reversing in strict order the erection instruction in 'GETTING STARTED'.

Collect all parts together and give them a final clean up ready for return, to your local HSS Hire.

..any problems
Contact your local HSS Hire
0845 728 2828
We are here to help!

... have you been trained

The law requires that personnel using this type of equipment must be competent and qualified to do so. Training is available at HSS Training Solutions
0845 766 7799

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below
e-mail: safety@hss.com

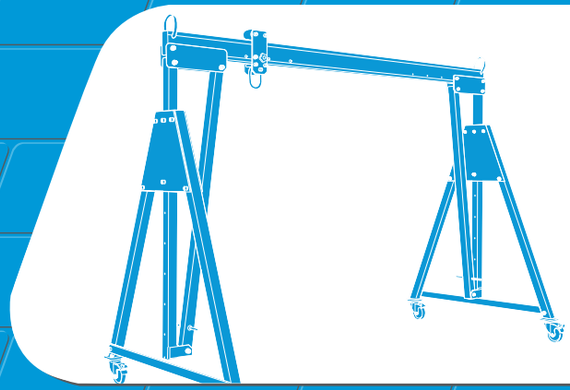
Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS

Web Site: http://www.hss.com

642/01

Operating & Safety Guide 642

HSS Hire



Mobile Aluminium Gantries

A range of heavy-duty aluminium gantries, ideal for use in situations where a suitable lifting point is not available.

Code 69340/69343/69344

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment is designed to be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from your local HSS Hire.

Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

Wear practical, protective clothing, gloves, footwear and a protective hard hat. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

Use this equipment for vertical lifts only and use on a level area able to take the combined weight of the load and the equipment.

Ensure the load is balanced and stable and that personnel stand clear of the raised load.

Prevent hook overcrowding, with a 'Bow' shackle. Join lifting equipment with a 'D' shackle. Protect sharp edges to prevent load damage.

Before lifting a load check that the hook safety catch is engaged and the load cable/wire rope is untangled, hanging freely and shows no sign of damage.

Make sure you know how to operate this equipment safely and are aware of its limitations before you use it.

Make sure that anyone in the immediate work area is warned of what you are doing.

This equipment is designed to be assembled by more than one person, always get help.

Never exceed the equipment's working load limit of 2 tonnes.

Never leave the equipment loaded and unattended.

Make sure the landing area is unobstructed and able to accept the load in size and weight.

If unsure of loading, contact HSS for Load Cell advice or hire.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to your local HSS Hire.

Do not throw the gantry frame or its components down or stack items on top of it**. Always place properly** on the ground avoiding damage to the equipment.

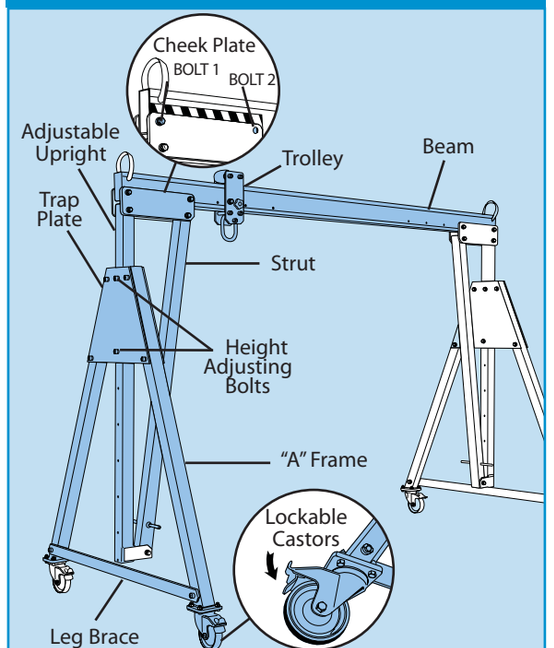
Safety Warning

This equipment MUST NOT be used to carry or lift personnel.

The operator must ensure that the hoist is attached in a manner that does not expose him or other personnel to danger by the hoist, chain(s) or the load.

Assemble only as instructed.
The beam must be horizontal prior to any lift.
Do not use the gantry frame if the trolley does not run freely along the beam**.**
Attach hoist only to the lifting point on the trolley.
Avoid side pull. Lift only when load chain(s) form a straight and vertical line between load and lifting attachment point on the gantry trolley.
Do not allow load to swing.
Only raise and lower loads when foot brakes are 'on'.

IDENTIFIER



GETTING STARTED

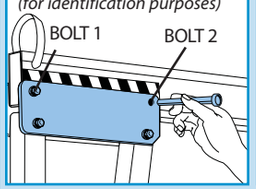
Make sure that the floor area where the gantry is to be erected is able to bear its weight and the weight of any load.

Because the mobile gantry is supported on castors it may be necessary to place suitable boarding under the castors to spread the load over the floor area.

Take all parts to the area where it is to be erected and lay them out on the floor.

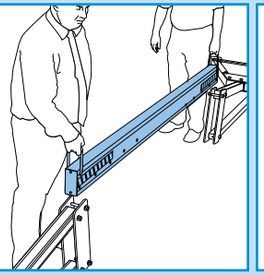
1 Cheek Plates bolts

(for identification purposes)

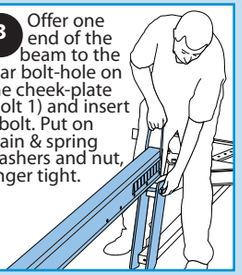


2 Lay the two A-Frames a beam length apart on a flat surface in line with each other with the castor wheels outward and brakes on.

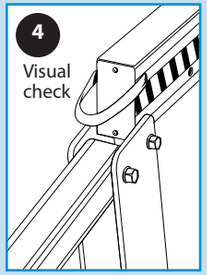
Lay the beam on the A-Frames, resting on Bolt 1 on each cheek plate



3 Offer one end of the beam to the rear bolt-hole on the cheek-plate (Bolt 1) and insert a bolt. Put on plain & spring washers and nut, finger tight.

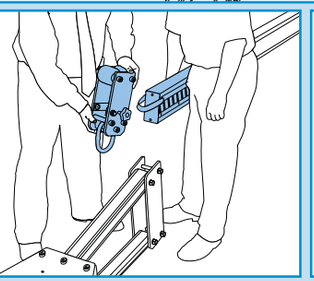


4 Visual check

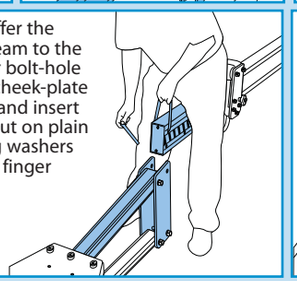


5 Thread beam trolley over the other end of the beam and lock with friction brake at approximately centre position.

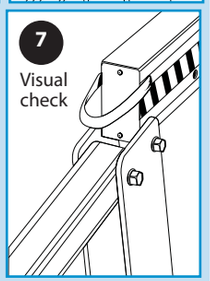
Assess whether the lifting device (usually chain block / hoist) needs to be attached to the trolley at this stage or when fully assembled. Heavier hoists are best attached at this stage.



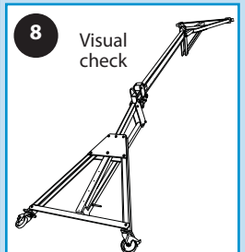
6 Offer the beam to the rear bolt-hole on the cheek-plate (Bolt 1) and insert a bolt. Put on plain & spring washers and nut finger tight.



7 Visual check

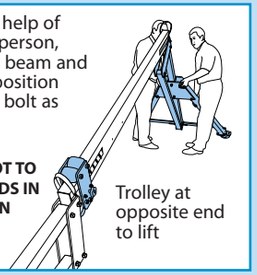


8 Visual check



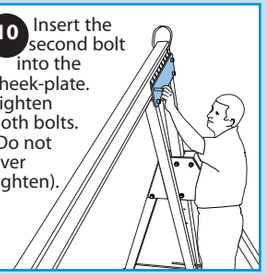
9 With the help of another person, scissor the beam and A-Frame into position (using the first bolt as a hinge)

BE CAREFUL NOT TO TRAP ANY HANDS IN THIS OPERATION

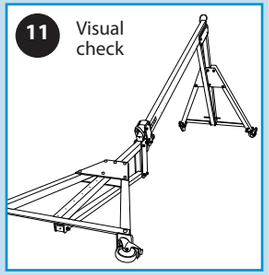


Trolley at opposite end to lift

10 Insert the second bolt into the cheek-plate. Tighten both bolts. (Do not over tighten).

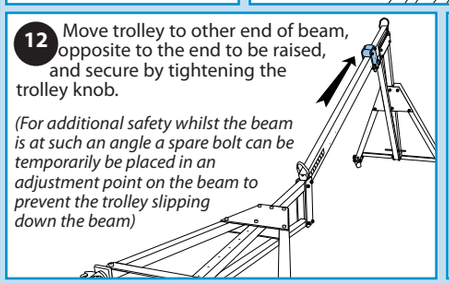


11 Visual check



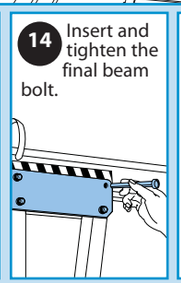
12 Move trolley to other end of beam, opposite to the end to be raised, and secure by tightening the trolley knob.

(For additional safety whilst the beam is at such an angle a spare bolt can be temporarily be placed in an adjustment point on the beam to prevent the trolley slipping down the beam)



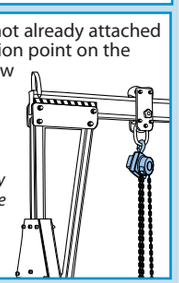
13 Repeat the scissor activity at the opposite end of the gantry.

14 Insert and tighten the final beam bolt.



15 If the hoist is not already attached to the suspension point on the trolley, do so now (using stepladder if height setting requires).

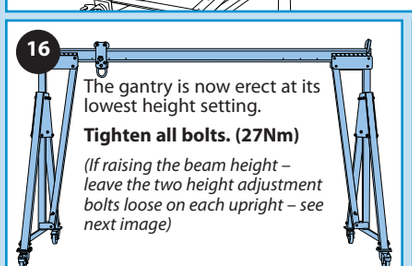
If this is not safe, disassemble the gantry and re-start adding the hoist prior to raising the A- Frames.



16 The gantry is now erect at its lowest height setting.

Tighten all bolts. (27Nm)

(If raising the beam height – leave the two height adjustment bolts loose on each upright – see next image)

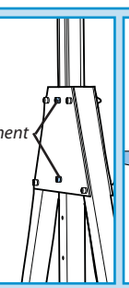


17 Decide on the height required (always using the lowest setting for the work in hand).

Adjust the upright position at one A-Frame (a 2 man operation – one on the bolts and one on the upright) by removing 2xUpright securing bolts, moving the upright to the appropriate setting by lifting from the strut handle.
Re-secure with bolts, nuts & washers (Do not over tighten).

Repeat the height adjustment at the opposite end.

Beam height adjustment bolts



18 Release trolley brake and wheel brakes to position the structure over the lifting point.