

BASIC TECHNIQUES

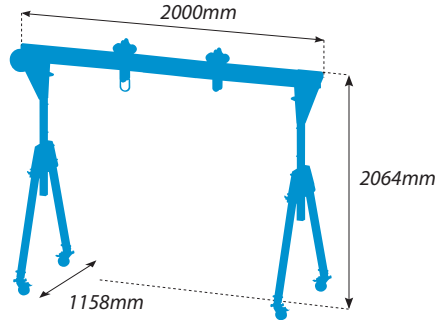
Move the assembly to the exact position where it will be required and lock the castor brakes.

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

- Before lifting goods do following checks:
- ☐ ENSURE ALL BALL LOCK PINS ARE FULLY ENGAGED INTO THEIR RESPECTIVE HOLES.
 - ☐ ENSURE ALL QUICK RELEASE KNOBS (ON TRAP PLATES AND AT THE BEAM) ARE HAND TIGHT AND SECURE.
 - ☐ ENSURE GANTRY IS LEVEL.

Start moving the load along the beam only after it has been attached correctly and all personnel are clear of the danger zone.

DIMENSIONS



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 equipment for the job. Contact 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 secure.

FINISHING OFF

Gently lower then detach the load, dismantle the gantry by reversing in strict order the erection instruction. Collect all parts together and give them a final clean up ready for return, to HSS Hire.

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact 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 should be used by a competent adult who has read and understood these instructions.


Full Manufacturers Assembly & Operating Manual is available via HSS website hss.com.


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 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.

Do not allow personnel to pass under a suspended load.

After lifting, a load must not be left unattended for a long period of time.

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.

Never exceed the equipment’s working load limit of 500 kg.

Be aware of hazards when setting up/folding down, eg. hands/fingers trapped in rotating parts.

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

DO NOT shock load the hoist. If shock loading occurs, stop and contact HSS Hire for advice.

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.

Do not mix the use of the gantry with personnel and goods lifting equipment.



... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so.

Training is available at HSS Training
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

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Do not allow load to swing.

When lifting keep the load low to the ground.

Only raise and lower loads when castor brakes are engaged.

Avoid side pull. Lowering and lifting should only be carried out when the load chain/lifeline form a straight and vertical line between the load and lifting attachment point on the trolley.

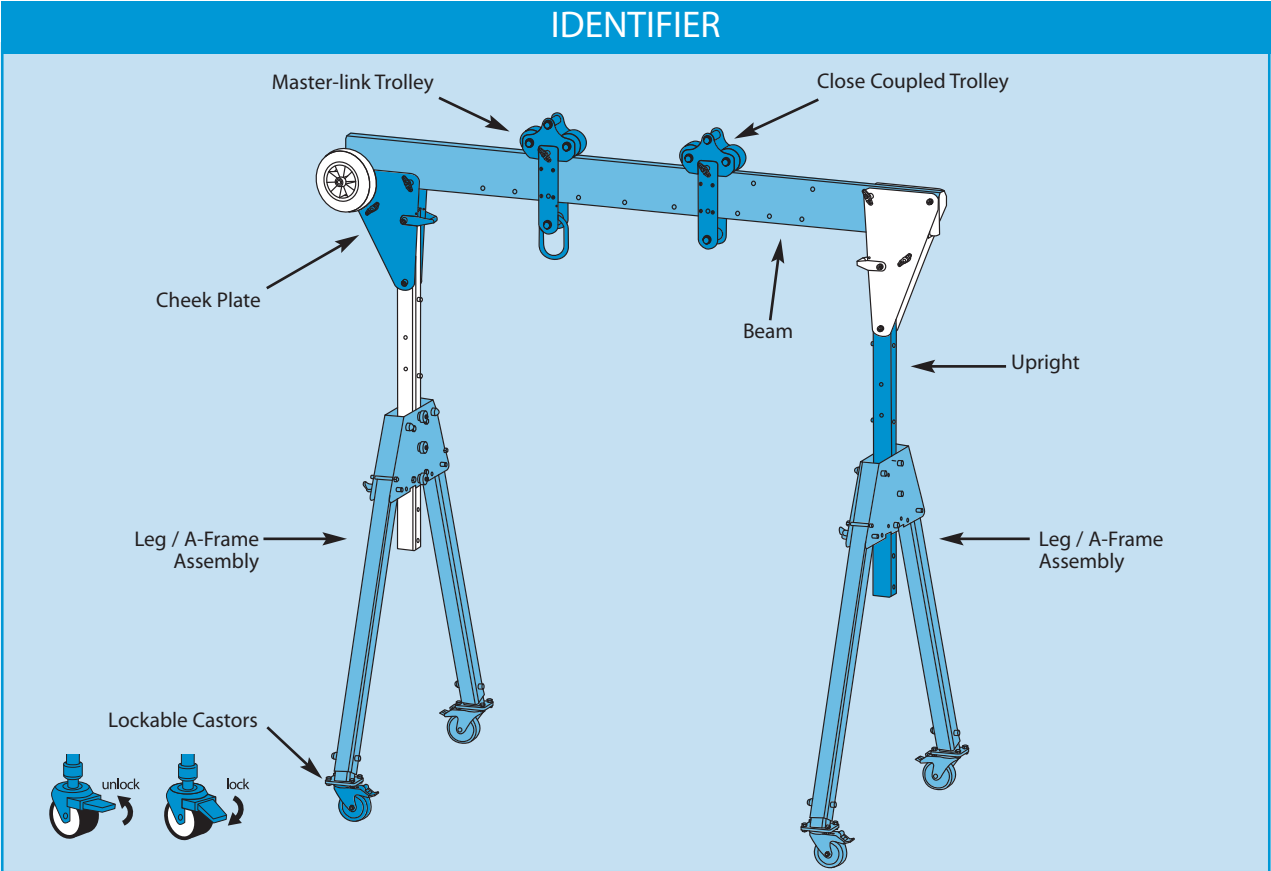
Attach hoist only to the lifting point on the trolley.

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

WARNING

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.

Application	Maximum Working Load Limit
Fall Arrest	140kg
Personnel positioning	250kg
Goods	500kg



Porta Gantry Rapide

Lightweight heavy-duty aluminium gantry system ideal for a variety of lifting applications.



Code 69374

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.

TROLLEY STOW AND REMOVAL

There are 2 location points on the upper and lower uprights to enable storing of trolleys. The lower upright is only accessible when the upper is rotated out of the way.

1

Remove pin from trolley. For sheaved trolley 2 pins need to be removed

2

Rotate underside plate to open the trolley and lift off stow pin

For trolleys stowed on underside upright, if stow pins available, removal can only take place when the upper A-frame assembly is rotated out of the way, or when gantry is set up.

TROLLEY STORING

To stow trolley reverse process 1-2.

If storing on underside upright, store before collapsing or before the upper A-frame assembly is rotated to its final position.

Note which side the pins are inserted on the upper upright as above. For the lower upright, pins are inserted from other side to avoid interference with folding i.e. from opposite side as above.

ASSEMBLY

Basic set-up

ASSEMBLE ONLY AS INSTRUCTED (ENSURE ALL PINS AND BOLTS ARE PRESENT AND FITTED CORRECTLY AS PER INSTRUCTIONS).

IT IS RECOMMENDED SINGLE PERSON ASSEMBLY TO AVOID CONFLICTING ACTIONS.

BE AWARE OF HAZARDS WHEN SETTING UP/FOLDING DOWN, EG. HANDS/FINGERS TRAPPED IN ROTATING PARTS.

1

Rotate first leg assembly to a vertical position.

2

While in this vertical position remove ball lock pin from its stow hole.

3

Open leg and insert aircraft/ball-lock pin into second hole securing the leg in its open position. Repeat for second leg.

4

Continue rotation of leg assembly until it comes to rest on ground.

5

Repeat steps 1-4 for second leg assembly.

6

Scissor leg assembly until aircraft/ball-lock pin is adjacent to beam. Remove pin and continue scissor until stops engage beam and holes are aligned. Be careful not to trap hands between beam and cheek plates!

7

Replace pin into hole ensuring the pin is fully engaged through hole. A gentle rocking motion can be used to induce alignment.

8

Repeat steps 8 and 9 for opposite leg assembly.

Confined space set-up

1

Rotate top leg assembly to vertical position.

2

Rotate second leg assembly to vertical position and place first leg assembly back down.

3

Open legs as in steps 2 and 3 in basic set-up.

4

Rotate leg assembly around as in steps 6 and 7 in basic set-up. Be careful not to trap hands between beam and cheek plates!

5

Rotate second leg assembly to vertical position and open legs as in steps 2 and 3 in basic set-up.

6

Rotate leg assembly around as in steps 6 and 7 in basic set-up. Be careful not to trap hands between beam and cheek plates!

7

Remove legs from the upright and rotate as per step 4. While legs removed they can be opened and assembled back onto gantry as in step 4. Repeat this step for opposite leg assembly and assemble as per step 5

ENSURE ALL QUICK RELEASE BOLTS ARE HAND TIGHT AND AIRCRAFT/BALL-LOCK PINS ARE SECURE.

ATTACHING THE LOAD

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.

DO NOT ALLOW PERSONNEL TO PASS UNDER A SUSPENDED LOAD.

GANTRY STOWAGE

To collapse gantry reverse steps for basic or confined space set-up.

When collapsing gantry ensure to stow beam aircraft/ball-lock pins in cheek plate holes to ensure they do not become damaged.

MASTER-LINK/CLOSE-COUPLED TROLLEY SET UP

1

Remove pin. Open trolley and present to beam with plate rotated through 90°.

2

Close trolley plate encapsulating the beam and insert aircraft/ball-lock pin. Observe pin is properly engaged through holes.

HEIGHT ADJUSTMENT

WARNING

NEVER ADJUST THE HEIGHT WHILE THE GANTRY IS UNDER LOAD.

Take weight of gantry upright. Remove bolts and adjust to the desired position. Re-insert bolts and hand tighten quick release knobs ensuring the gantry is secure.

BEAM WIDTH ADJUSTMENT

Beam width adjustment can take place during steps 4 or 5 in basic set-up.

1

Remove quick release bolt and handle. Store handle in safe place.

2

Move leg assembly to required position. Re-insert bolt and hand tighten quick release knob. Complete assembly of gantry as 6-8 in basic set-up.