

Installation and Maintenance Instructions

READ IN FULL BEFORE STARTING

SAFETY

We recommend that the following minimum precautions are taken:

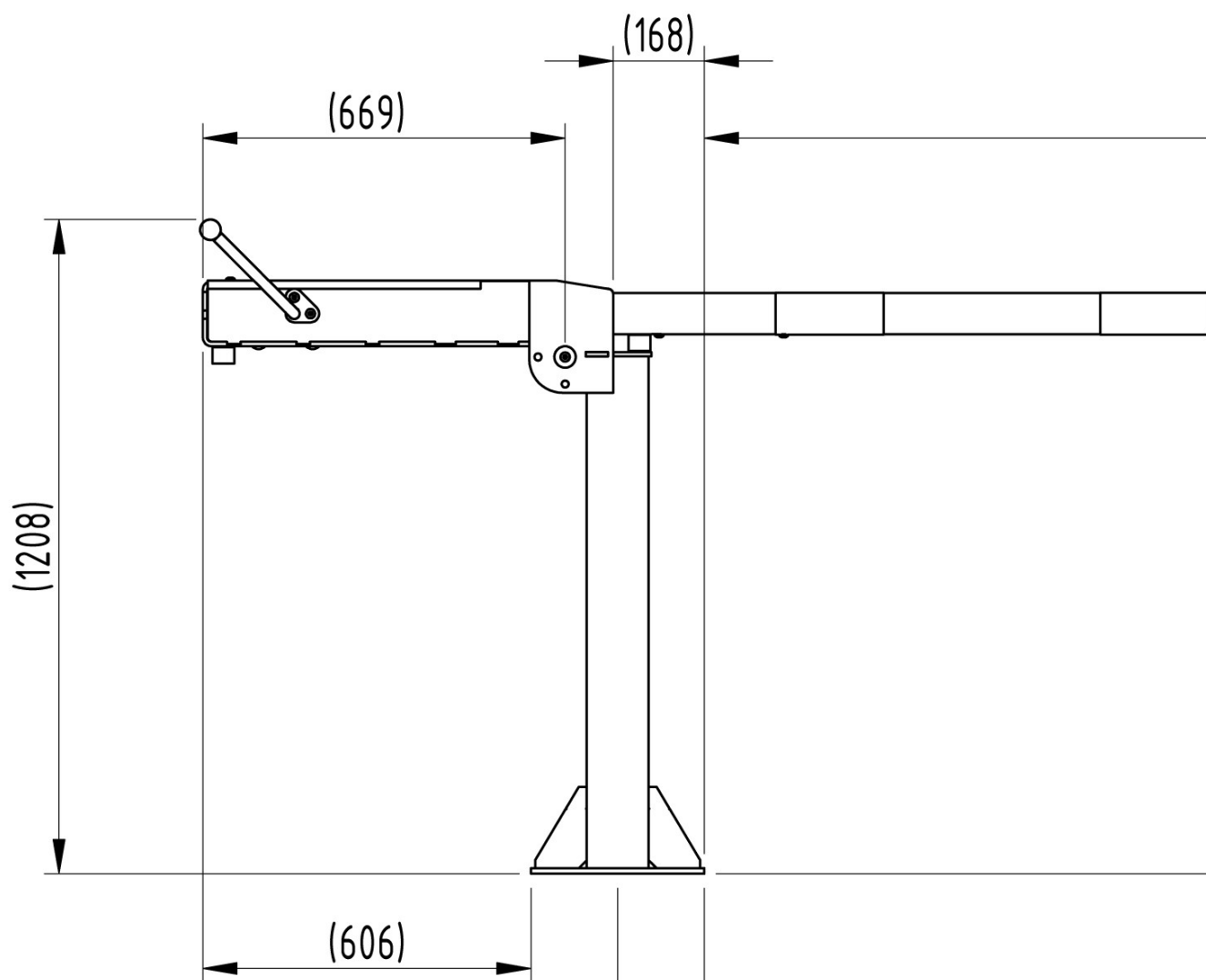
- Wear appropriate safety clothing including a safety helmet
- Eye and hand protection should be always worn during the build process
- Secure the site from pedestrian and vehicular access, where applicable, using high visibility tape, barriers, cones, safety lamps, etc.
- If you use a power supply, ensure that it is secure and in a safe dry location
- Ensure that there are no underground services that may be affected
- When working at height a suitable platform should be used
- A MINIMUM OF TWO PERSONNEL ARE REQUIRED

IMPORTANT INFORMATION

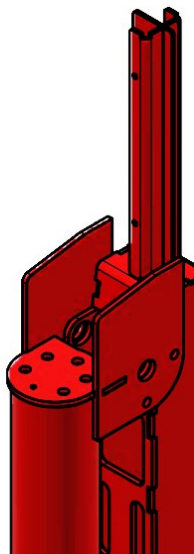
The AUTOPA 'Manual Arm Barrier' is design for ground fixing, either by bolting onto a suitable concrete surface, or by casting into concrete. The barrier can be locked in either the Open or Closed positions.

- Foundation details can be found in Appendix A
- Locking position details can be found in Appendix B

Dimension Details



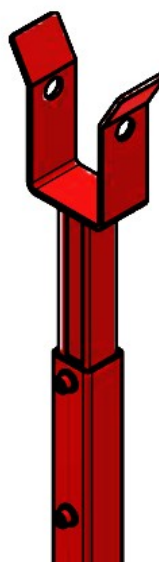
Parts List



1 – Counter Balance Pedestal Assembly
Quantity: 1 Flanged or Ragged



2 – Boom
Quantity: 1



4 – Catch Post
Quantity: 1 Flanged or Ragged

3 – M8 Security Fixing (Boom)
Quantity: 2

Ground fixings are available as extra

Catch Post
4x M12 Foundations Bolts

Counter Balance Pedestal
4x M16 Foundation Bolts

Installation Instructions Note: Part numbers are shown in []

1. Prepare the ground following the foundation details above
2. Position the Counterbalance Pedestal [1] as required ensuring that it is plum horizontally as well as vertically
3. Then fix the Flanged Counterbalance Pedestal [1] to the concrete pads using four M16 Foundation Bolts (Not Supplied) or concrete in the Ragged Counterbalance Pedestal [1] and allow the concrete to set
4. Ensure that the Counterbalance [1] is secured in the vertical position (open)
5. Slide the Boom [2] onto the Counterbalance [1], align the holes in the Boom [2] with those on the Counterbalance [1] and secure using two M8 Security Fixings [3]



Fig. 1

M8 FIXINGS 

Fig. 2

6. Lower the Arm Barrier down to its horizontal position (closed)
7. Position the Catch Post [4] as required ensuring that it is plum horizontally as well as vertically
8. Then fix the Catch Post [4] to the concrete pads using four M12 Foundation Bolts (Not Supplied) or concrete in the Ragged Catch Post [4] and allow the concrete to set

INSTALLATION COMPLETE

Operating Instructions

Opening of Barrier

1. Remove locks (if applicable)
2. Apply pressure to the handle on the counterbalance until the boom starts to rise.
3. Continue to apply pressure until the barrier is in the upright position, always controlling the movement of the barrier.

Closing of Barrier

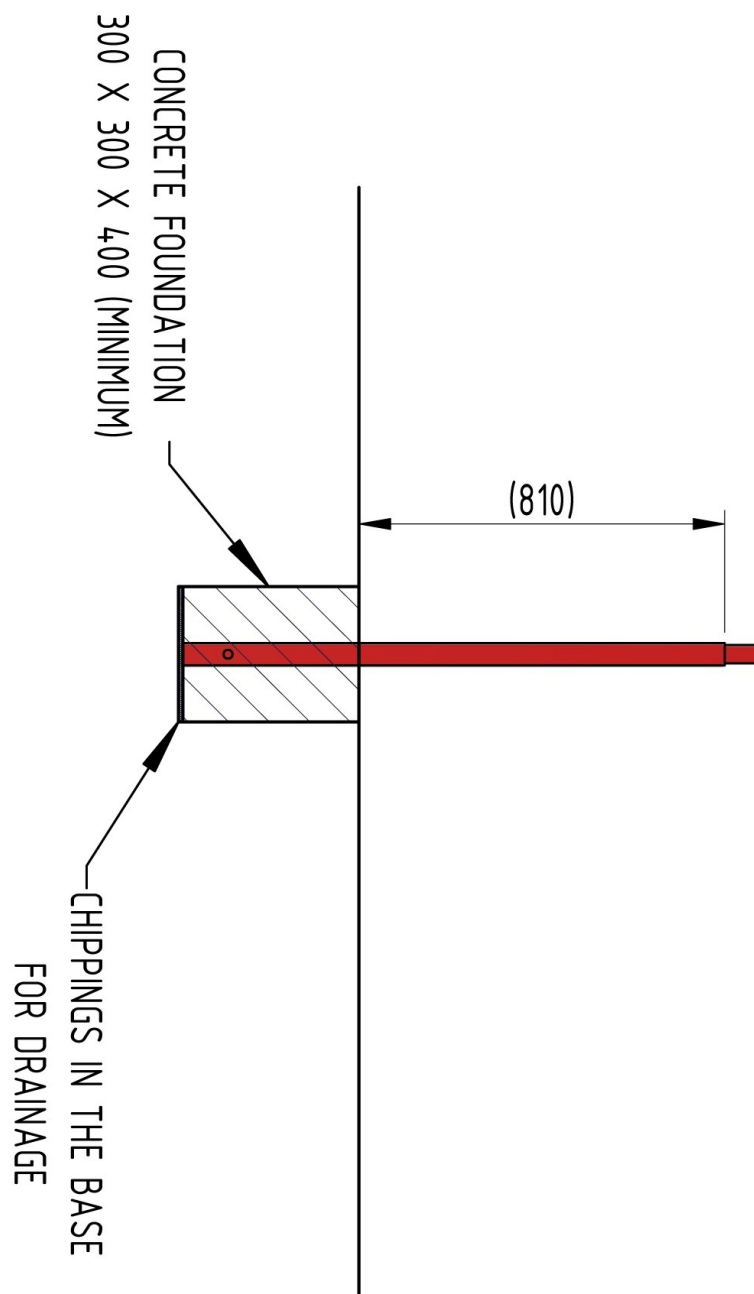
1. Remove lock (if applicable)
2. Using the handle, start to lift the counterbalance (lowering the boom)
3. Continue to lift the counterbalance until the barrier is in the horizontal position, always controlling the movement of the barrier.

HEALTH & SAFETY

If the barrier is to be left in either the open or closed positions with no one in control, then a padlock should be fitted to ensure that the barrier does not move of its own accord. (See Appendix B)

When opening and closing the barrier it is essential to control the movement and not to allow it to free fall.

Appendix A



Appendix B

