Pedestrian Barrier Installation Instructions

The only aid that may be required for barrier assembly is a rubber mallet. For anchoring the post base plates the following equipment will be required:

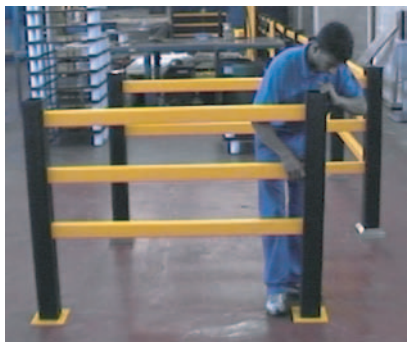
- Power Drill
- 12mm masonry/concrete drill bit, minimum length 120mm
- 19mm spanner
- Torque wrench
- Marker pen
- Suitable ear, eye and dust protection equipment.

1. Place an end post on the floor with the holes pointing upwards.

2. Insert the rails into the holes in the post one by one.

3. Place the next post on the ground, pick up the assembly you have just built, and lower the rails into the holes in the new post. Alternatively leave the assembly you have just built on the floor and place the holes in the new post over the rails.

4. Turn the unit so it is standing up without support on the post base plates.



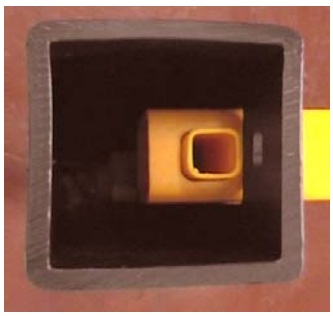
5. Align the holes in the rail ends by looking down inside the post . Insert a locking pin and guide through the holes in all three rails. A mallet may be used to encourage location.

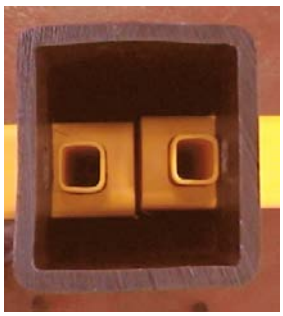
6. Build up another post and rail section.

7. Insert the rails of the new barrier section into the holes on the post of the first barrier section. It helps if the rails are inserted one at a time and the new section is angled as shown.

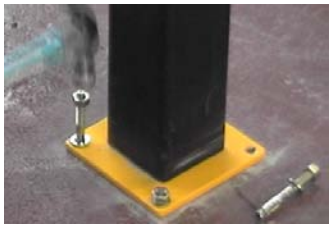
8. Insert the locking pins throgh the rails inside both posts on the new barrier section. Repeat steps 7 & 8 as necessary until the desired length of barrier, finishing with an end or gate post is fully assembled.

9. When fully assembled, check that the locking pins are sitting flush to the inside wall of the posta. If not, where necessary pull the posts as far apart as possible until the pins are flush to the inner post walls.





10 Move the assembled barrier into its required position and anchor the base plates. Using the base plate as a template drill 4 holes to a minimum depth of 100mm into sound concrete. Insert the M12 fixing bolts supplied with the barrier into the drilled holes and using a hammer, hammer the bolts into the holes until a minimum of 15mm of threaded bolt protrudes above the post base plate. Using a 19mm spanner tighten the fixing bolt nuts until they start to nip down on the base plate. Finally using a torque wrench, torque the bolts to the recommended torque of 40mm for un-cracked concrete and 35Nm for cracked concrete.



11. Finally fit the post end caps. Place the cap on top of the post and using a rubber mallet, tap the cap on each of its four corners in turn until the cap is fully inserted into the post.

12 With long lengths of barrier it may be impractical to move the entire length of barrier to mark and drill the holes required for the fixing bolts. In such cases the assembly can be done in manageable lengths of the overall barrier section. If this is done, the orientation of the first length of barrier will determine the orientation of the overall barrier length.