

Rack End Protection Units are supplied de-assembled. Each unit comprises:

2 Post Assemblies

1 Pre-cut Rail

2 Locking Pins

2 Rail End Caps

Also supplied with each unit are 8 post floor fixings (4 per post)

A rubber mallet may be necessary to properly locate the rail onto the posts and for inserting the post/rail locking pins.

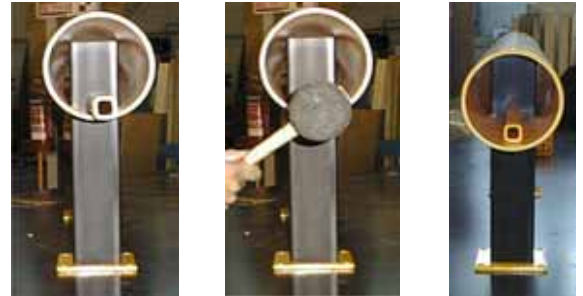
1. **Position the posts into the rail through the pre-cut location holes.** This may be done by placing the posts in the rail (as shown below) or if preferred by placing the rail onto the posts



2. When the posts are positioned stand the barrier on the post bases. Push the rail down onto the posts (use a mallet if necessary) so that the locking pin holes are fully visible on both posts.



3. Position the locking pin by placing the chamfered end of the pin over the hole in the post. Using the mallet if necessary, push the locking pin completely through the post to lock the post to the rail. Repeat for the second post assembly.



When correctly positioned the distance between the end of the rail and the non-chamfered end of the locking pin should be between 80 – 100mm

4. Locate the end cap into the end of the rail and push firmly to seat correctly. Repeat for the second end cap.



Should it be necessary to disassemble the barrier the assembly procedure described should be reversed.

Remove end caps

Remove Locking pins. The pin may need to be gripped with a good pair of pliers or similar tool to facilitate removal.

Remove rail from posts.

Undo post fixings to remove posts if necessary.

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RACK END PROTECTION UNIT INSTALLATION INSTRUCTIONS

To install the rack end protection unit the following equipment will be required:

- Power Drill
- 12mm Masonry/Concrete drill bit, min^m length 120mm
- 19mm/³/₄" spanner
- Torque wrench, max. torque > 35 Nm
- Hammer
- Rubber Mallet
- Marker pen
- Suitable ear, eye and dust protection equipment

1. **Position the assembled unit.** The distance between the rack end and the edges of the barrier base plates should be between 125mm and 150mm.



2. Using the holes for the post fixings in the base plates as a template mark the position for drilling the 12mm fixing holes using an easily visible marker pen.



3. With a 12mm masonry/concrete drill bit using the marked positions, drill 8 holes to a depth of 100mm for the post fixing bolts



When all the holes are drilled clean up the drilling dust/particles and reposition the rack end protection unit so the holes in the base plates coincide with the drilled holes.

4. Place the fixings through the holes in the base plates into the drilled holes and using a hammer, hammer the fixing into the drilled hole so that a minimum of 15mm of threaded bolt protrudes above the post base plate.



5. Using a 19mm/³/₄" spanner tighten the fixing bolt nuts until they start to nip down on the base plates.



6. Finally, using a torque wrench, tighten the bolt nuts to the recommended torque of 40 Nm for un-cracked concrete and 35 Nm for cracked concrete.



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The manufacturers reserve the right to change product specifications without notice

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