

Instructions V28 TVCB Blocks with Fences

General Information

Before any work commences, the site must carry a site-specific risk assessment. This should include the right PPE to use, the number of persons required to safely complete the project, the area/ground condition, elevation or inclination.

The weight of the V28 TVCB is 2500kg. Length is 3000mm, Height is 800mm and Width is 450mm.

The V28 TVCB blocks will no longer conform to BS EN 1317 when the gate/fences are fitted.



Photo for illustration purpose only

The overall fence size is approx 3120mm x 1292mm. The weight of the fence is approximately 41kg.

The weight of the post is approximately 12kg.

Tools Notes

No tools are supplied by Marwood Group Ltd.

Instructions for installation

As a guide, to the complete installation, it requires a minimum of 2 persons with appropriate tools.

The tools may vary subject to the site procedures, site competent person and specific risk assessment.

Always keep fingers/hands clear from any trapping and crushing areas.

- ✓ Impact wrench (cordless)
- ✓ Extension bar to suit
- ✓ 36mm socket, extension bar, ratchet or nut runner
- ✓ 17mm socket for U bolt to secure fence base tube to post bracket, plus extension, ratchet or nut runner
- ✓ 36mm ring spanner to tighten the M24 bolts up to secure the post down to the block.

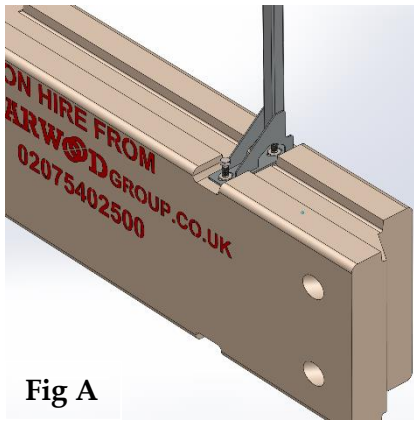


Fig A

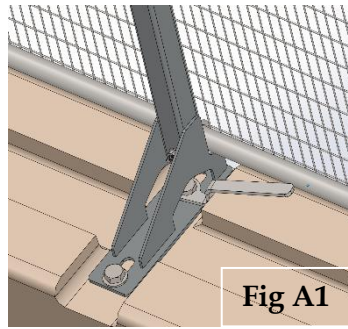


Fig A1

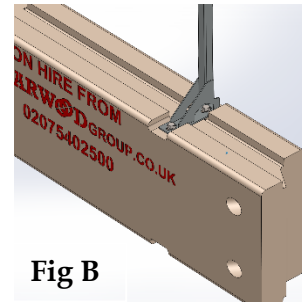


Fig B



Fig C

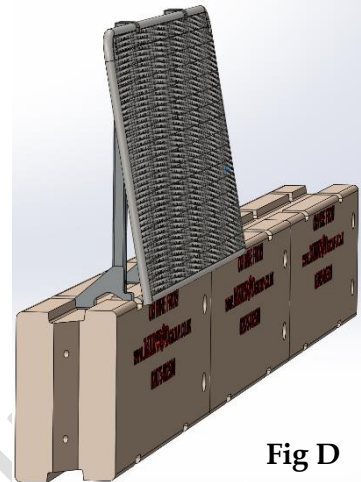


Fig D



Fig E



Fig F

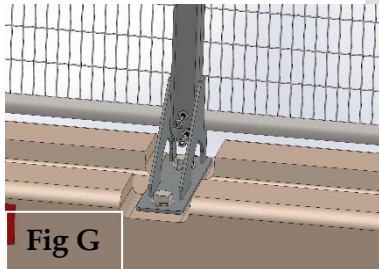


Fig G

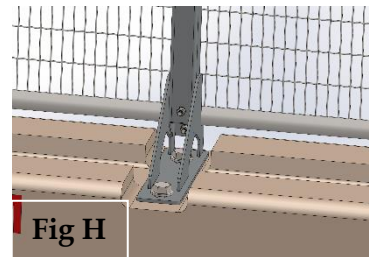


Fig H

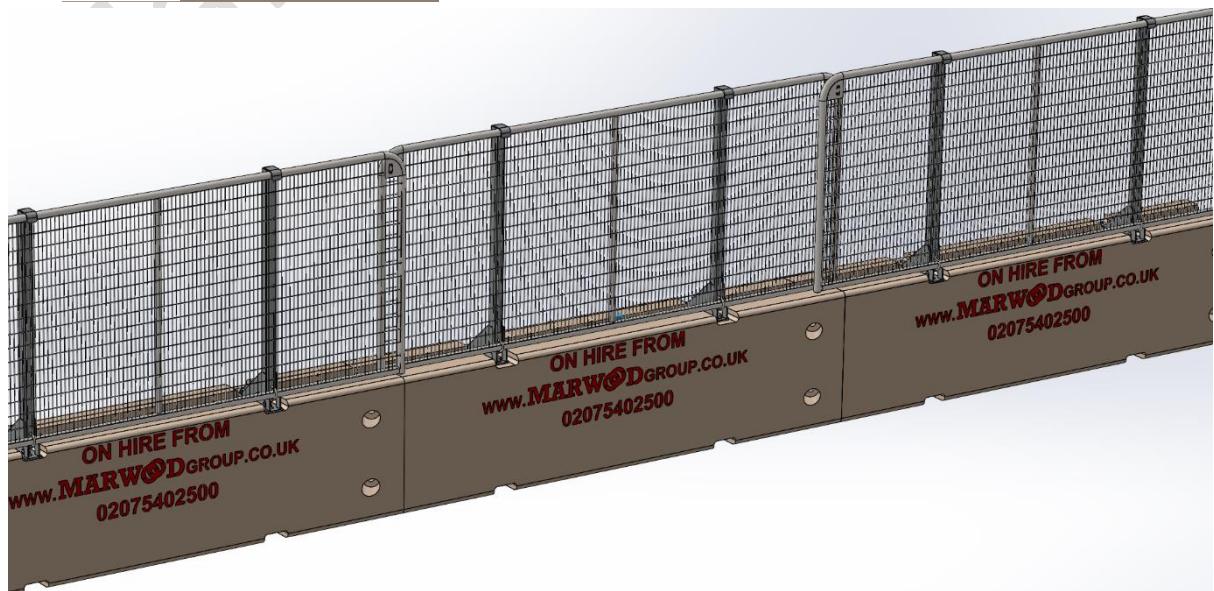


Fig I



Fig J

Installation guide steps

1. With the required number of concrete blocks in place next to each other. If using the pin anchor on the V28 for transportation, it must be thoroughly examined to detect wear/damage/security concern before and after each lift.
2. Use all correct fixings and components to secure the blocks next to each other (M24 x 320)
3. **Figure I** and **Figure J** show the two ways of starting the fence panel assembly. This will be depending on your site-specific risk assessment.
4. Refer to **Fig A** and **B**, place the posts on the two V28 fixing holes. Secure the post base by using two M24 x 50 bolts. Do not tighten any bolts at this stage. (Use the dedicated V28 spanner if supplied as in **A1**)
5. Repeat the above process for the desired length of barrier and required fences, **Fig C**.
6. Refer to **Fig D**, two-person operation: Starting from one side, lift one fence panel and locate it under the upper U-Post clamp of the post, **Fig E**. Do not tighten any bolts at this stage.
7. Secure the fence panel to the bracket of the post using 1 x U-bolt M10, **Fig F**. Do not tighten any bolts at this stage. Make sure to locate the U-bolt through the mesh and that both pin legs are slotted in the bracket holes, **Fig G & H**.
8. Repeat the process in Step 7 for the desired number of fence panels. Do not tighten any bolts at this stage.
9. Once all the fences with the post are in place, push them together to adjust and close any gaps present. Tighten all bolts on the system using the appropriate tools.
10. Carry a final check on all fences, posts, plates, bolts, nuts, and blocks, **Fig I/J**.

The final decision regarding the installation of the system remains with the site manager.

Note 1: The system offers a very small degree of elevation and inclination flexibility. The overlap takes care of the longitudinal change and the slotted post base allows for sideways direction change.

Note 2: Customers must not add signs or banners to the fencing as this will increase the wind resistance of the fencing.

Maintenance

Carry daily checks on the complete barrier system including blocks, fence and security fixings. Check that all fixings are tightened and secured.

The system must not be modified

Marwood Note!

Marwood Group Ltd always recommends that a site survey and a full risk assessment must be carried out before using the equipment. It is the end user's responsibility to make sure the system is suitable for their intended use.

Any significant elevation, inclination or uneven ground must be picked up from the risk assessment and ground survey.

The system must be installed by an experienced and competent person.

Customers must use the appropriate tools based on the size bolts/nuts supplied.

The pin anchor on the V28 must be thoroughly examined to detect wear/damage/security concern before and after each lift.

The system has not been wind tested or car crashed tested.

Contact your local Marwood Group Depot, for replacement & repair to the system and their components