

O&M Manual for Product: **HGV Flow Plates**




Instruction Manual
REV:1.0

**Article I. Important Note: Only Competent Skilled Persons
Should Carry out Procedures or a Variant of Procedures
Detailed in this Manual**

START

Important Safety Notice



HGV Flow Plates are designed to Control the flow of vehicular traffic primarily. It can be dangerous to allow the passage of pedestrians and any other self-powered animal or device to utilize this method of access without appropriate warnings and or signage.

It may be necessary for the end user of this product to provide an alternative, safe method of access to cater for the previously mentioned categories.

The end user should fit all necessary signage and warning notices to either side of the barrier, which should be visible and clear from all directions of approach.

The product that was shipped to you was designed with the best intentions to protect all categories from harm or affect this however is not a fail safe. They should not be modified or tampered with by any unauthorised person not sanctioned by the manufacturer.

Please sign and date below to say that you have read and understood this notice before ANY installation work:

/ /

Article II. Instructions for use



This article is a guide ONLY and above all common sense should prevail we cannot as an individual or a company be held responsible for any accident damage or indeed any event that happens with the afore mentioned equipment or any variant of this. This article is intended as a basic user guide and is NOT a comprehensive "how to" when using the Flow Plates system. You must only use the equipment if you feel you have an understanding of the operation and confidence in yourself to adhere to the signage and warnings that have been outlined to you in this manual and displayed next to the equipment. Also this guide should be given to you complete with warnings and all pages from its original not a cut down or modified version.

A basic understanding...

The HGV flow plates are designed to encourage traffic flow in one direction only. They are not designed for any use whatsoever by pedestrians. Using common sense and having an awareness of this will ensure that you will not trap any bodily parts and continue to have a long safe term of operation with this product. We have tried to make sure that any possible unsafe components have been protected from the user and are confident that when a user has the appropriate knowledge and understanding, that they will continue to further the safe and correct operation. Below are some pictures and diagrams to help try to display the correct use and operation of our product. If you have any doubt you should ALWAYS contact the supplier of the parking solution.

Positioning of the Flow Plates:

To maximise the life of your Flow Plates vehicles should drive over the product in a straight line. Vehicles turning on the Flow Plates will cause excessive discomfort to the passengers and will also damage the Flow Plates and fixings.

Flow Plates should be set back from junctions, to reduce vehicles stalling when pulling away.

Please follow this step-by-step:

- Lay Flow Plates out in chosen position.
- Using a 14mm SDS Masonry Bit, drill through the plates and approximately 50mm (1inch) into the roads surface.
- Remove the Flow Plates
- Using the pre-drilled marks in the road as a template, continue to drill approximately 100mm into the road.
- Fully insert the raw plugs provided, flush to the roads surface.
- Remove debris with a dust pan and brush.
- Re-position the Flow Plates over the holes using the fixing bolts to align in the correct place.
- Using the socket set, tighten the bolts. The bolt head needs to be tightened down home, but should not be over-tightened.

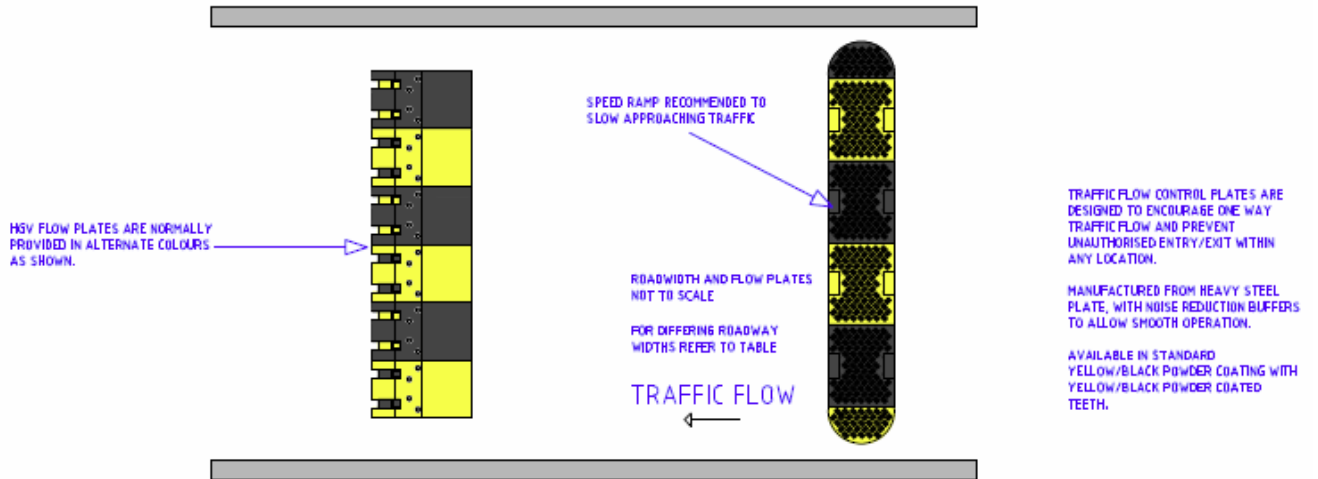
Tools and equipment required:

- Electric drill with hammer action

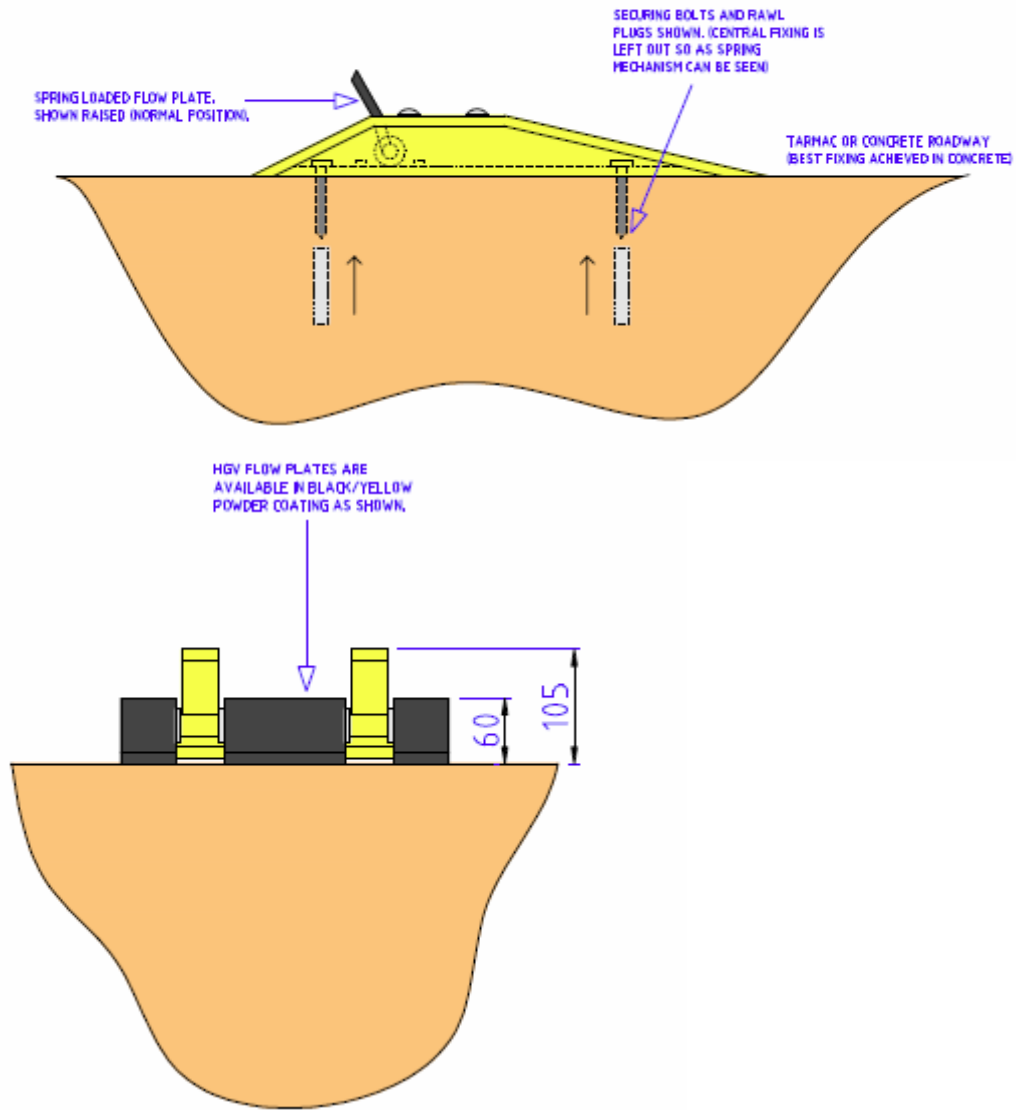
- ☐ 14mm SDS masonry drill bit
- ☐ Hammer
- ☐ Dust pan and brush

Notes:

- ☐ All Flow Plates should be set out as the picture below away from an area of turning.



Component overview:



Maintenance

Depending on site usage in order for these units to operate to their optimum they should be serviced once a year. The below is a few bullet points to indicate how to maintain this product. There is a grease nipple point on each tooth where it rotates on the shaft this should also be carried out to reduce friction.

- Sweep the area surrounding the flow plates to avoid excess build up in the moving mechanism part
- Undo the 4 hex nuts and remove the cover to clean out all debris. This will inhibit the smooth movement of the teeth.
- Check all ground fixings are tight as lateral movement in the plates will cause excess wear.
- Use a standard grease nipple adaptor to apply grease until this is seen coming out of the side. The thread is a 6mm standard.
- Check the paint finish is ok this should be re-coated whenever the zinc coated finish has been breached. The finish will deteriorate over time as they are being driven over and such things like grit etc will eat into the finish.

PLEASE PAY ATTENTION AND CONE AND SECURE YOUR AREA OF WORK BEFORE! ANY WORK IS CARRIED OUT.



YOU MUST USE COMMON SENSE TO AVOID ANY INJURY

END