

FLOWPLATE

HGV Flow Plate (NMFP 02)



Product Information

The HGV flow plate is specifically manufactured for use by HGV's and light vehicles. The key difference between this product and the standard flow plate is the material size used is a far heavier gauge (10mm) thick Durbar checker plate. The product also has an oilite bush hinge system to allow for heavier vehicle usage and offers greater protection to the hinge mechanism.

The flow plate offers a spring mechanism to keep the plate in the upright position; springs are replaceable and can be maintained easily. The flow plate product is surface mounted; therefore there is no requirement to carry out extensive civil works. It is easily installed by bolting to most surface types. As manufacturers, we have the flexibility to offer our customers bespoke options to the flow plates, if you are looking for the plate to bolt down allowing two directional flow of traffic please let us know and we will add this to your order. If you have a specific product colour in mind than again please talk to us about your flow plate requirements and we will happily oblige. For residential car parks please see your standard range of flow plates.

Installation

The product can be installed by using two methods of fixing a) surface mounted by bolting down with rubber expanding bolts or b) laying a concrete raft and fixing with anchor bolts.

Asphalt surface mounting:

This method should only be used if the asphalt surface is older than 6 months and has a crust of asphalt depth of 50mm or greater. The benefits of using rubber bolts are that they offer a "dampening" effect when traffic passes over. Rubber fixing plugs have an outside diameter of 22mm and are 75mm in depth; the actual bolt size is an M12 x 100mm.



The product should be laid in desired location, drill hole area should then be marked out. All holes should be drilled prior installation, do not fit the product until all of the surface holes have been drilled out.

Important note: The rubber plugs and fixing bolts should be fitted to the product prior being dropped into location. Once the bolts have been loosely fitted drop the entire unit into the pre-drilled holes, you will save hours of time!

Fitting a concrete raft:

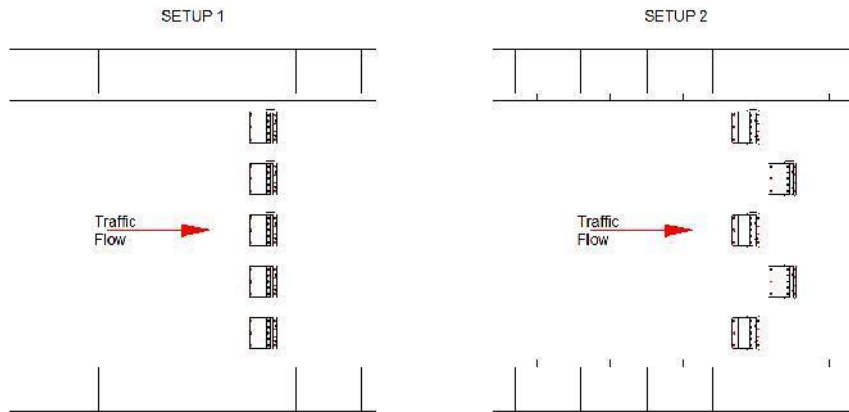
This method should be used if the road surface is in poor condition, is newer than six months old or has an asphalt surface depth of less than 50mm.

A concrete foundation/slab should be laid, reinforcing should not be used. Once the concrete has set the product should be fitted as per the diagram below.



We strongly recommends the use of speed ramps and warning signage in conjunction with directional flow equipment.

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Quantity of flowplates is dependent on the width of the roadway, please ask our sales engineers for clarification.

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