

Directional Traffic Plate / Tyre killer TRP-TK-20 O&M Manual

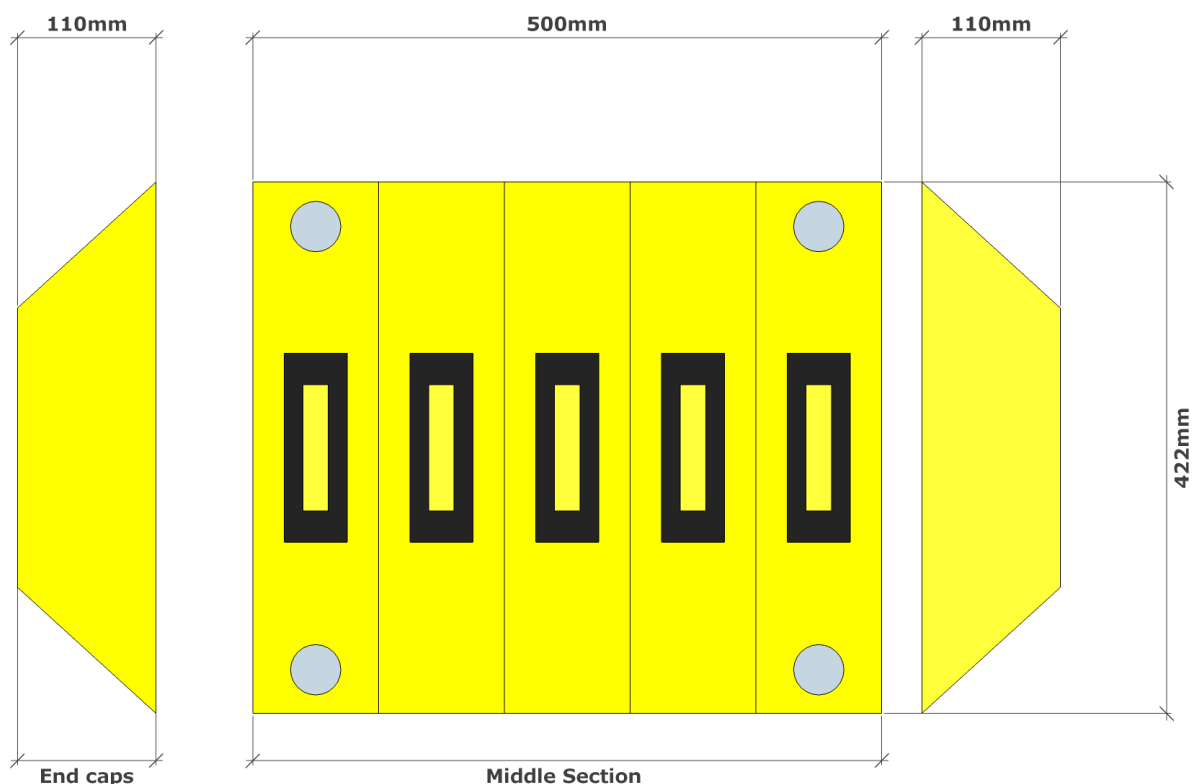


THE RAMP PEOPLE

Product Overview

Directional flow plate/tyre killer ramp. Suitable for all vehicles including HGV's and used to encourage vehicles to travel in the required direction. The ramp is constructed from steel and includes a durable chequered plate surface for increased durability. The plate has 5 'teeth' which are 20mm thick each and includes highly reflective red cats eyes to ensure the ramp is visible in all weather conditions.

This product is modular, sold as separate mid section with an option to add end caps to build to either a continuous straight line, or individual "island" sections with end caps on either side.



Material: Chequer plate steel

Dimensions: Middle section 500mm x 422mm x 60mm-100mm high*

End caps section 110mm x 422mm x 60mm high

Weight : Middle section 23kg

End caps section 5kg

Installation: Surface mounted/bolted into ground

We recommend the use of warning signs and speed bumps to be used in addition to the directional traffic plate / Tyre Killer

Instructions for use and maintenance

Directional traffic plates have been designed to allow vehicles to transit in a single direction only. The use of the tyre killer ramp/plates by pedestrians is not recommended.

Used sensibly and with the appropriate understanding of this product, these products will continue to operate in a safe manner.

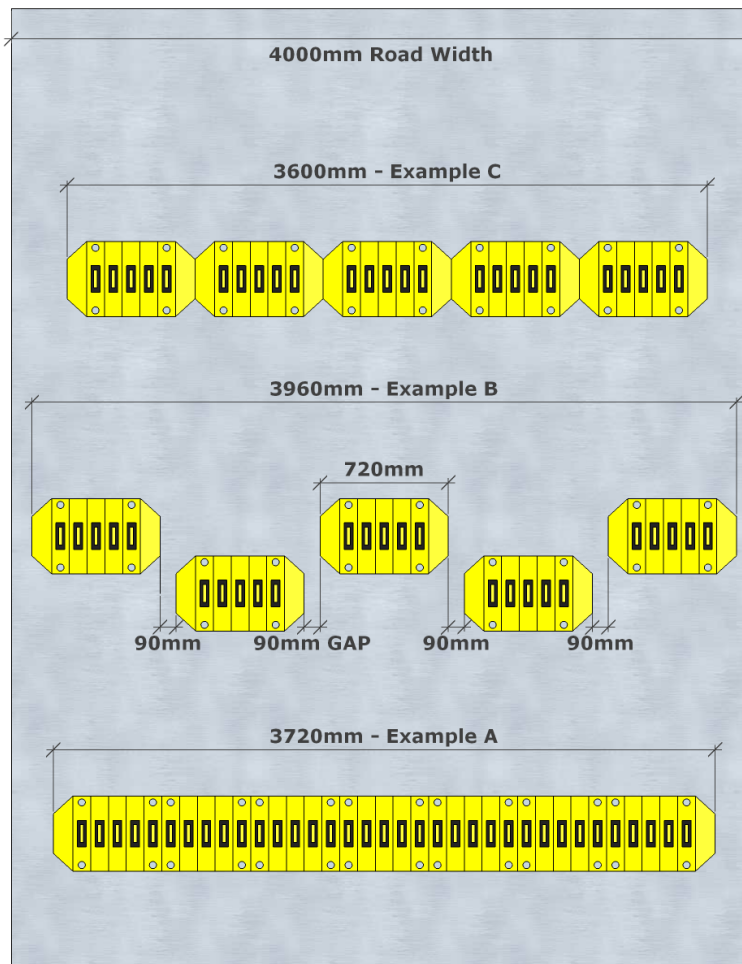
Position:

-To maximise the life of these ramps, vehicles should drive over the product in a straight line as shown in diagram below. Vehicles turning on the ramps can cause damage to the vehicle and the ramps, springs, fixings and can affect the position on the surface.

- They should be set back from junctions, to reduce vehicles stalling when pulling away.

-The optimal area for the road plates installation will be on a level surface and not on slope as in certain circumstances dependent on the traffic type, damage may be caused to the Tyre killers and could reduce the life span of the product.

-Directional traffic plates are to be fitted only on Tarmac and/or concrete surfaces, under no circumstance the product is to be installed on a gravel road as this can cause damage to the vehicle and to the product.



Note: Directional traffic plates can be set similar as shown in the diagram and away from an area of turning.

Quantity will vary depending on the width of the road and layout application. In doubt please contact us for further information.

Installation Guide:

The Directional traffic plates can be installed on to either a tarmac or concrete surface .

Tarmac surface ground conditions:

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 (for newly laid tarmac a concrete raft should be laid and concrete fixings used).

Concrete surface ground condition:

Where a tarmac surface is in poor condition, has a surface depth less than 50mm or is newer than 6 months old, it is recommended that a concrete raft is laid for the flow plates to be installed on to.

1. Set out all of the ramp plates on the surface in the desired location.
2. Drill holes for all plates should be marked out on the ground/surface.
3. Remove all of the ramp sections and drill all the holes to the full depth (100mm)
** Do NOT fit any plates until all of the surface holes have been drilled.
4. Fit the raw plug fixing to the underside of each plate, to assist you can use the bolt provided, please do not tight up the bolt yet.
5. Once all raw plugs are in place, add the road plates over the plugs, once done place the washer on top of each hole .
6. Once all the plates are in position, place the bolts and now they can be fasten with an impact driver or socket, please check if the bolts are well fastened before finish.

DO NOT OVER FASTEN THE FIXINGS!

This can result in a snapping screw heads and damaging pre-tapped threading !

Tools and Equipment you will need:

- A professional drill that can take a masonry SDS plus drill bit
- spanner or impact driver with a 19mm socket
- A level or string line to ensure plates are aligned correctly

Maintenance

Depending on site usage, in order for these units to operate to their prime condition, they should be serviced twice a year. Please refer to the bullet points below for general product maintenance.

- Clean the area surrounding the direction traffic plates to avoid excess dirt and debris build up in the moving mechanism of the product.
- Undo the plate fixings and remove the cover to remove out all dust and dirt. This will allow a smooth movement of the teeth and/or flap
- Check fixings are tight and that there is no movement in the plates
- Due to normal wear and tear It is normal for the finish to deteriorate over time, if this is the case, please re-coat the surface with a zinc spray paint.
- The teeth can become worn over time or if driven over in the wrong direction, and should be replaced when damaged or not working effectively. To achieve this, remove the affected section by unbolting the 2 fixings, and replace with a new cartridge.

This manual is a guide ONLY, common sense should prevail.

The Ramp People cannot as an individual or a company be held responsible for any accident, damage or indeed any event that happens with the mentioned equipment.

This article is intended as a basic user guide and is NOT a comprehensive “how to” when using the Direction traffic plate systems. You must only use the equipment if you feel you have an understanding of the operation.

We strongly recommend the signage and warnings that have been outlined to you in this manual and displayed next to the equipment.

