PART OF HILL & SMITH INFRASTRUCTURE

VARLEY & GULLIVER PARAPETS

RAISING STANDARDS, EXCEEDING EXPECTATIONS

STEEL AND ALUMINIUM BRIDGE PARAPETS AND SUPPORTS

Varley and Gulliver has been at the forefront of road safety solutions for the last 60 years, with our bridge parapets, pedestrian barriers and passive sign supports all designed to keep road users safe.

The company's UK-manufactured products, which are tested to EN1317, CE marked, MASH and NCHRP350 approved, are created to minimise the risk of a collision or to reduce the impact in the event of a crash.

Our products are world-renowned and are used widely in the Middle East, USA, New Zealand and Australia.

Varley and Gulliver is part of Hill and Smith Holdings PLC, an international group of companies operating within the infrastructure and galvanizing markets.

One of the group's main objectives is to create sustainable infrastructure and safe transport through innovation.

Along with other companies from the group, Varley and Gulliver has signed up to the Carbon Footprint Standard, and is now on an important journey to reduce its carbon emissions.

All of our products are compliant with the 'Design Manual for Roads and Bridges - CD 377 Requirements for road restraint systems,' and our team of leading experts can help you to select the most suitable system for your project.

Varley and Gulliver's products include

HiMast Passive Post

Designed to shear or breakaway following a vehicle impact to minimise the harm to the vehicle's occupants

Bridge Parapets

Erected on the edge of bridge structures and elevated roads to prevent errant vehicles from leaving the highway

Pedestrian Guardrails

Designed to prevent pedestrians from walking into the road and are often located near pedestrian crossings, schools and shopping areas

Pedestrian Parapets

Designed to separate pedestrians from vehicles and are often used to prevent people from falling from heights, such as on the edge of bridges

PASSIVE SAFETY SIGN POSTS

Many road deaths and injuries are caused when a vehicle collides with a fixed roadside object, such as a tree, lighting column, pole or road sign. According to the World Health Organisation (WHO), the issue is causing a major road safety problem worldwide.

In response, passive traffic sign posts were developed to minimise the damage caused to a vehicle and its occupants in the event of a crash.

Tested and approved to BS-EN 12767, they provide a safer alternative to traditional posts and columns.

A report published by the Transport Research Laboratory (TRL) more than 20 years ago on behalf of Transport for London (TfL), recommended the use of BS-EN 12767-approved passively safe signposts and lighting columns in the UK.

HIMAST

Varley and Gulliver's HiMast passive post is recognised across the industry due to its frangible design and non-energy absorbing qualities.

The anti-climb posts are classified to 50, 70,100:NE:C:S:SE:MD:0 in accordance with BS EN 12767:2019, meaning that a vehicle loses minimal speed on impact with the HiMast at a range of speeds.

In a collision, non-energy absorbing posts have little effect on the speed of the vehicle and present a lower risk of injury to the vehicle occupants

It is available in a wide range of sizes, allowing for installation along any road and provides an alternative to traditional structural steel poles that are protected by safety barriers.

Made of aluminium, the HiMast is multi-directional and can be impacted from any angle and still provide the same performance.

The post is designed to shear or breakaway following a vehicle impact to minimise the harm to the vehicle's occupants, and as an additional safety barrier is not required, it offers a significant cost saving.

When it reaches the end of its life, the HiMast is fully recyclable so the HiMast not only protects people, but it also helps to protect the planet too.

Our HiMasts have been installed at thousands of locations across the UK. Use of the HiMast in the reduction of deaths and injuries on the roads is also strongly supported by national UK road victims' charity, RoadPeace.

BRIDGE PARAPETS

Bridge parapets play an essential role in keeping people safe and have helped to prevent many serious incidents over the years.

Supplied worldwide, Varley and Gulliver's bridge parapets are used in a variety of locations including roads, railways, ports, industrial settings, car parks and airports.

VarleyGuard and V6Guard bridge parapets are compliant with the European EN1317 standards whilst VGAN 300 and VGAN 400 meet American standards NCHRP350 and MASH respectively.

With containment levels N1, N2, H2 and H4a to EN 1317 and containment Levels TL3 and TL4 to the American standards, our parapets meet a range of requirements.

Our systems can also be clad with mesh or sheeted with a range of materials to prevent pedestrian access and for aesthetic reasons.

Our parapets have been specially selected for a variety of prestigious projects, including Sheikh Zayed Bridge, Abu Dhabi, Raha Beach Development, Abu Dhabi, Business Bay, Dubai and PMB Project, Brunei.

Other upcoming projects include the installation of our parapets at Pokapu Bridge, New Zealand; Orealla Bridge, Australia and North Union Avenue, Chicago.

PEDESTRIAN BARRIERS

Pedestrian barriers are installed to guide and separate people from vehicles and other hazards. Varley and Gulliver's pedestrian barriers include the pedestrian parapet and the pedestrian guardrail, known as V&G Rail, which are both designed to protect people on foot.

The pedestrian parapet, commonly used on footbridges and stairways, is designed to protect people from falling from height.

V&G Rail, designed to guide pedestrians to safe crossing places and to prevent them from walking into the road, is often located in potentially hazardous places, such as pedestrian crossings, outside schools and in shopping areas.

Available in aluminium and steel, our entire range of pedestrian restraint systems are manufactured by Varley and Gulliver in accordance with BS 7818 and PD CEN/TR 16949, to ensure the highest quality standards.

Our pedestrian barriers range from a standard height of one metre up to 1.8 metres, with one metre to two-metre standard panel lengths. All of our systems can be customised to suit a chosen design or to include lighting.

All of our steel systems are galvanised to ISO 1461. The aluminium option provides a whole life cost benefit as no protective coatings are required.

Our team of pedestrian barrier experts not only supply and install our products, but they also offer an inspection and repair service, if required.

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PARAPETS

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