

- Brifen
- Bridge Rail
- High Mast

Road Safety

Temporary Barriers

- Zoneguard
- MASS

- Column Mounted
- Floor Mounted
- Flexible
- Rigid

Carpark

Engineering

- In House Design
- Service
- On Site Visit
- Training and Accreditation
- Technical Support



About Us

Our products & services

Road Safety

Temporary Barriers

Carpark

Engineering Expertise

Product Supply & Support

Hill and Smith Pty Ltd is part of an international group with leading positions in the design, manufacture and supply of infrastructure products.

Hill and Smith PLC is a long standing supplier into the North American, European and Middle Eastern market.

Hill and Smith Pty Ltd in Australian is part of the global groups push into the expanding Asia Pacific Market.

In the past Hill and Smith Products have been available in limited supply through various agents and importers, however the opening of the Australian office means that as a group we can provide high quality, tested and proven, road and infrastructure safety solutions to Australian designers and installers.

With our in-house engineering service we offer a complete package to our clients with our ability to assist in the planning and design of safety features in our clients projects.

Hill and Smith represents experience in the safety and protection industry and our focus is on assisting everyone from the designer and the consultant to the installer to easily include and install our globally recognised and tested safety products, on roads, bridges, footpaths and car parks.

Headquartered in the UK, the Group employs some 3,500 staff across 50 sites, principally in 6 countries.

The Group's success is being driven by a strategy of international expansion, product innovation and its entrepreneurial management culture.

CAD
Design
Support

Engineering Expertise

Design & Planning

Road Safety

Temporary Barriers

Carpark

Product Supply & Support

Hill and Smith offer premium support for all of our products to consultants, contractors, installers, auditors and government agencies.

Our experience encompasses all aspects of roads design, project management and projects delivery

Upload your layouts to our website in PDF or .DWG to be reviewed, and the appropriate product layout supplied along with a cost estimate.

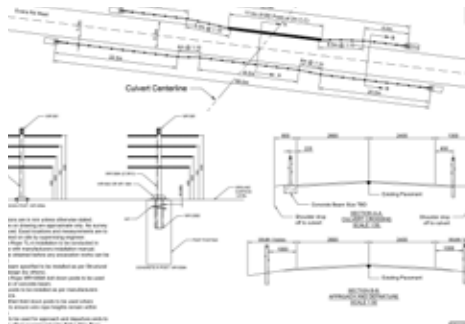
Features & Benefits

- **Manufacture certified product layout**
- **Expert design support**
- **Industry experience**
- **Rapid turnaround**
- **Solutions based support**



Before >

Site inspection and supplied CAD files



Design >

All components designed and modelled



After >

Final installation and implementation

Call 1300 2 PROTECT | www.hsroads.com.au



Temporary Barriers

Carpark

Engineering Expertise

Product Supply & Support



The Brifen Wire Rope Safety Fence is a class leading solution in road safety barriers.

Easily recognized by its unique weave pattern, the Brifen Wire Rope Safety System offers NCHRP 350 TL3 and TL4 protection.

Due to the weaves interaction with the post, Brifen can achieve tighter radius than our competitors.

The system has passed dynamic impact testing to AS/NZS3845:1999 / NCHRP 350.

The TL3 test consists of a 820kg compact vehicle impacting at 100kph at 20 degrees and a 2000kg Pickup Truck vehicle impacting at 100kph at 25 degrees.

The TL4 criteria require the system to withstand an 8000kg Single Unit Van Truck impacting at 80kph at 15 degrees.



Features & Benefits

- Meets AS/NZS3845:1999
- Meets NCHRP 350
- TL3 and TL4
- Low supply cost
- Easy installation
- Low installation cost
- Speedy repair
- Unique weave pattern
- Suitable for steep sag
- Suitable for tight radius
- Suitable for floodways
- Bridge and culvert applications
- Aesthetically appealing

Temporary Barriers

Carpark

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VGAN 300 aluminium bridge rail is a modular design, consisting of 3 horizontal rail sections located to supporting posts.

The installed system is 1.1m high and is made from special grade aluminium to meet the demands of the 8000kg test vehicle.

This remarkable system complies with two standards, AASHTO 17th Edition and AASHTO LRFD.

The latter requires dynamic impact testing to AS/NZS3845:1999 / NCHRP 350.

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The TL4 criteria requires the system to withstand an 8000kg Single Unit Van Truck impacting at 80kph at 15 degrees.



Features & Benefits

- Meets AS/NZS3845:1999
- Meets NCHRP 350
- TL3
- TL4
- Light weight 28.1kg/m
- Easy installation
- Easy transport
- Low maintenance
- FHWA approved
- 60 year life cycle
- No repainting
- Aesthetically appealing

Road Safety

Carpark

Engineering Expertise

Product Supply & Support



Zoneguard™ offers the maximum safety standards, while ensuring cost effective and efficient protective barriers.

Hill and Smith have developed a durable portable steel traffic barrier, designed to protect drivers, as well as road and construction crews.

Zoneguard™ is the only temporary barrier to be MASH Tested available in Australia.

It is also tested to NCHRP350 TL3 and TL4 making it the most extensively tested and cost efficient portable protection system available in Australia

Today's Engineers and Road Authorities have a responsibility to provide the utmost safety to the driving public, while meeting tight budgets and timelines.

Zoneguard™ offers the maximum safety standards, while ensuring cost-effective and efficient protective barriers.



There's only one choice for
HIGH Speed Steel Crash Tested Temporary Barrier Solutions.
Ensure your workplace is the safest it can be.
Contact HS Roads today for the full range of road safety solutions.

Feature	ZONEGUARD	Plastic Water Filled	Concrete
NCHRP TL3	✓	✗	✓
NCHRP TL4	✓	✗	✗
MASH TL3	✓	✗	✗
Tested and Approved Minimum Deflection	✓	✗	✗
Rapid Lane Switching	✓	✗	✗
Durable Long life	✓	✗	✗
Environmentally Friendly	✓	✗	✗
No Water Required	✓	✗	✓
Easy Deployment	✓	✗	✗
Rapid Deployment	✓	✗	✗
Low Maintenance	✓	✗	✗

Road Safety

Carpark

Engineering Expertise

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The MASS barrier is purpose made for installation in low speed work and pedestrian environments.

It is designed to provide protection to both the work force and pedestrians from vehicular traffic. The system is easily fitted with anti-gawk or anti-debris screens making it versatile for use in many applications. The lightweight steel construction makes it easy to transport and install and simple to redeploy on site as required.

MASS lightweight steel barriers offer an environmentally sound alternative to water filled plastic barriers as there is no chance of environmental contamination which can occur when decanting to relocate, or as a result of leaks or vandalism.

The MASS Vehicle Restraint System complies with EN1317; it has been tested to T3-TB41 and TB32 part 1 and 2.



There's only one choice for
**LOW Speed Steel Crash Tested
Temporary Barrier Solutions.**
Ensure your workplace is the safest it can be.
Contact HS Roads today for the full range of road safety solutions.

Feature	MASS Barrier	Plastic Water Filled	Concrete
Durable Long life	✓	✗	✗
Environmentally Friendly	✓	✗	✗
No Water Required	✓	✗	✓
Easy Deployment	✓	✗	✗
Rapid Deployment	✓	✗	✗
Low Maintenance	✓	✗	✗
Light Weight	✓	✗	✗



EN1317 Crash Tested

Column Mounted
Floor Mounted
Flexible
Rigid

Carpark

Berry Carpark Guardrail Systems

Road Safety

Temporary Barriers

Engineering Expertise

Product Supply & Support



BERRY SYSTEMS are market leaders in vehicle safety barriers for car parks and industrial applications.

Column mounted or floor mounted systems are designed to absorb impacts and minimize damage to vehicles, plant, property and people.

BERRY SYSTEMS invented the Spring Steel Buffer and, after rigorous independent testing at MIRA, it has been the industry leader in floor mounted systems for forty years.

A semi-flexible mounting system, such as the Berry Flexi-Post can absorb more energy from the impact by deflecting up to 120mm. This deflection protects both the structure and the impacting object. This is sufficient, for example, to absorb over half of the force involved when a 1.5 tonne car hits a barrier at up to 21 kmh (6m/sec).



Features & Benefits

- Meets AS1170.1
- Crash tested to 21 kmh
- Industrial and commercial applications
- Self restoring
- Minimal footprint
- Floor mount
- Column mount
- Genuine energy absorbing
- Industrial applications
- Aesthetically appealing

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zoneguard™ brifen

mass

Berry
SYSTEMS

International call +61738078050

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