

BG800TM

The Latest in Road Barrier Technology

High-Performance Portable Steel Safety Barrier



www.ingalcivil.com.au

NCHRP 350 TL-3 COMPLIANT

MASH TL3 COMPLIANT

NCHRP 350 TL-4 COMPLIANT

PAS 68 Security Testing COMPLIANT

Low Deflection • Dependable • Economical to Transport

INTRODUCTION

The BG800™ portable steel barrier is the latest in road barrier technology, designed to protect both motorists and construction workers. Rigorously tested to meet the highest demands throughout the world, the BG800 has achieved the highest performance levels of any portable steel barrier up to NCHRP350 TL-3 or TL-4, MASH TL-3 and Security PAS 68.

The BG800's unique stepped profile has proven to reduce damage to both vehicle and barrier during impact, minimising the need for repair or replacement. During impact, the BG800 provides an extremely shallow exit angle for the vehicle, minimising the risk of secondary accidents.

BG800's galvanised steel structure offers an expected life cycle of 25 years and with its exceptional durability, the need for replacement through handling or impact damage, unlike similar portable barriers, is greatly reduced.

At only 90kg per metre and with 6 or 12m modules available, up to 144m can be loaded on a truck bed, providing high savings in transportation when compared with similar concrete or steel systems. In addition, BG800's 'Quick-Link' connection allows for rapid installation, at speeds of up to 300m per hour with just three operatives – offering clients and contractors a vast saving in both time and labour resources when compared to conventional high performance portable systems.

FEATURES AND BENEFITS

EASILY INSTALLED

Unique connector design allows installation of up to 300 metres of barrier per hour. Greater lengths of barrier to be installed in a shortened time, gets the road open to the public faster and the works started sooner.

Quicker to install than concrete barrier – longer unit lengths of 6m and 12m requiring less joining and safer to handle than concrete barrier.

VERSATILE

Available in 6 and 12 metre section lengths with special angle sections for tight radii. Assuring protection even around junctions and roundabouts.

EASILY ACCESSED

Emergency access gate system available. Giving access to work crews or emergency services within longer work zones.

DURABLE

Proven to withstand multiple design impacts without need for major repair or replacement. Assuring better return on your investment while providing the highest safety standards.

LIGHT WEIGHT

Cheaper and quicker to transport – up to 4 times more barrier per load than concrete (up to 144m per truckload).

PROVEN

Approved and deployed in over 20 countries worldwide including UK, US, Canada, The Netherlands, Sweden, South Africa, Qatar, Singapore and New Zealand, the BG800 is also accepted in all states of Australia.

SPECIFICATIONS

- Optional radius sections, fence panels, wheeled and gate sections
- Male and female connection system for quick installation
- Available in 6 or 12 metre sections » Lightweight at 90kgs per metre
- Compliant high containment system to MASH TL-3 and NCHRP 350 TL-3 & TL-4
- Compliant security system to PAS 68:2010



Engineered for Work Zone Safety

MASH TL3 COMPLIANT

NCHRP 350 TL-3 COMPLIANT

NCHRP 350 TL-4 COMPLIANT

PAS 68 Security Testing COMPLIANT

Versatile • Lightweight • Quick to Install



ADVANTAGES

Tested to MASH TL-3, NCHRP 350 TL-3 & TL-4 and PAS 68:2010

Unique stepped profile with narrow footprint - only 540mm

Lightweight and quick install - 90kgs per metre, 300m per hour

6m & 12m section available - up to 144m transported on a single truck

Uses a speedy 'Quick-Link' connection

Rapid deployment, installation/removal

Easily relocated to provide positive protection of work areas.
Relocate locally without need for transportation or lifting equipment.

ADDITIONAL OPTIONS

The BG800™ provides a range of additional options to adapt the barrier for many specific requirements.

BG800™ Portable

BG800™ Portable provides portable protection at work zones as well as emergency protection of bridge parapets and guardrail impact sites. Offering high performance protection with cost-effective transportation and ease of installation. Gates can be included within the runs for providing temporary access during maintenance or construction works.

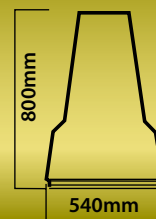
BG800™ Wheeled

BG800™ Wheeled allows for longitudinal or lateral movement of the barrier to accommodate work zone requirements. Ideal for repetitive regular maintenance operations where barrier lengths of 200-500m can be moved short distances.

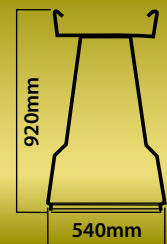
BG800™ Permanent

BG800™ Permanent is for use on structures or as a high performance median barrier. The light weight system is ideal for use on structures with weight limits such as bridges. Durable in comparison to guard rail or parapets and can withstand multiple impacts without the need for replacement.

WORKZONE SAFETY BARRIER



SAFETY BARRIER WITH T-TOP



Workzone Steel
Safety Barrier

Length	6m or 12m	Width	540mm
Height	800mm or 920mm	Weight	90kg per metre

Sydney (02) 9827 3333
Brisbane (07) 3489 9120
Melbourne (03) 9358 4100

Perth (08) 9452 9111
Adelaide/NT (08) 7081 0598
Newcastle 0400 235 883
Local Call 1300 446 425

INGAL
CIVIL PRODUCTS
A valin

BG800™

High-Performance Portable Steel Safety Barrier

Engineered for Work Zone Safety

The BG800™ has been tested to meet the highest performance standards in the world, passing the stringent American MASH and Standard NCHRP-350 tests.

MASH TL3 COMPLIANT

- Vehicle: 2,270kg pick up truck
- Impact Angle: 25 degrees
- Impact Speed: 100km/h

NCHRP 350 TL-3 COMPLIANT

- Vehicle: 2,000kg pickup truck
- Impact Angle: 25 degrees
- Impact Speed: 100km/h

NCHRP 350 TL-4 COMPLIANT

- Vehicle: 8,000kg truck
- Impact Angle: 15 degrees
- Impact Speed: 80km/h

PAS 68 Security Testing COMPLIANT

- Vehicle: 7,500kg truck
- Impact Angle: 45 degrees
- Impact Speed: 50km/h

ANTI-GAWK SCREENING OPTION

The BG800™ provides the option for an Anti-Gawk Screen that is crash tested to NCHRP 350 TL-3 providing less than 1.0m deflection. The Gawk Screen is also wind rated to AS/NZS 1170.2.2002, Regions (A1-7), B, Terrain Category 2, Temporary Structures (V25).



For more information

contact us on the web

www.ingalcivil.com.au

INGAL
CIVIL PRODUCTS
A valmont COMPANY

Head Office: Sydney

57-65 Airs Road, Minto, NSW 2566

Ph: +61 2 9827 3333

Fax: +61 2 9827 3300

Local call (within Australia):

1300 446 425

Email: sales@ingalcivil.com.au

Our Locations:

- Adelaide • Brisbane
- Melbourne • Newcastle
- Perth • Sydney
- Auckland • Christchurch
- Kuala Lumpur