

FREE-STANDING, BOLTED OR PINNED CONCRETE SAFETY BARRIERS



CONCRETE WORKS



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General

Applications

BEAM CONCRETE BARRIER CAN BE USED IN MANY DIFFERENT APPLICATIONS.

Some examples are:

- Road construction
- General road maintenance
- Bridge repairs
- Detours and diversions
- Lane closures
- Security and mine site delineation
- Protection of crowds and pedestrians
- Building and construction site protection

Site Conditions

Our barriers must be placed on a flat, stable and compacted surface capable of being trafficked by road vehicles for short periods. The crossfall must not exceed 6%. Unstable surfaces such as deep mud, uncompacted sand or excessively wet surfaces are considered inappropriate. Ideally the surface should be paved and must be free of swales, ditches or other irregularities. The minimum width of stable ground behind the barriers must not be less than the expected deflection of the barrier system.

Barriers must be placed at the same level as the travelled lane and must not be placed in front, behind or on top of kerbing.

Barriers should (where practicable) be placed parallel to the travelled lane and as far away from the travelled lane as possible.

Our barriers are suitable for use in all atmospheric conditions normally encountered as Australian roads without any reduction in effectiveness.

BEAM CONCRETE WORK

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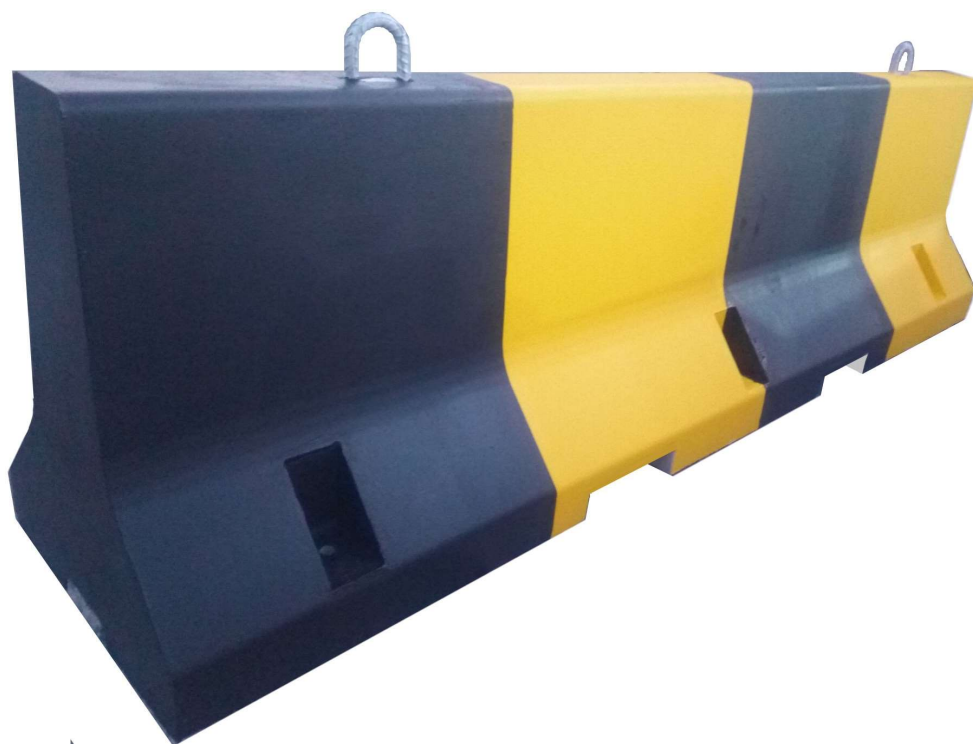


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CONCRETE WORKS

FREE-STANDING, BOLTED OR PINNED
CONCRETE SAFETY BARRIERS

**Concrete Barriers, Modular,
Pre-Cast,
Temporary and Permanent**

FREE-STANDING, BOLTED OR PINNED CONCRETE
SAFETY BARRIERS



Actual shape

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Application:

Wharf, Dock, Parking, Bridge

Description:

Permanent barrier solutions

Allow fast easy removal, replacement of barrier without damage to the surface or deck Type-F concrete barriers. The formation of these concrete barriers reduced the damage to vehicle during impact. The shape was achieved by determining the optimum slope angle which minimized the chance of the vehicle tires riding up the concrete barrier upon impact.

Product information:

Model	F- type
Height	815 mm \pm 5.0mm
Width	600 mm
Length	3000mm \pm 5.0mm
Weight	563 kg/m approx.
Material	C 40 - Concrete
Preparation	Wet cast



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Dimensions:

typical-The rebar steel size & concrete mix design depend of the type of test. Full-scale tests use barriers with the same Or approximately the same dimensions such as TL-3



Cement Finish

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Length: 3000 mm

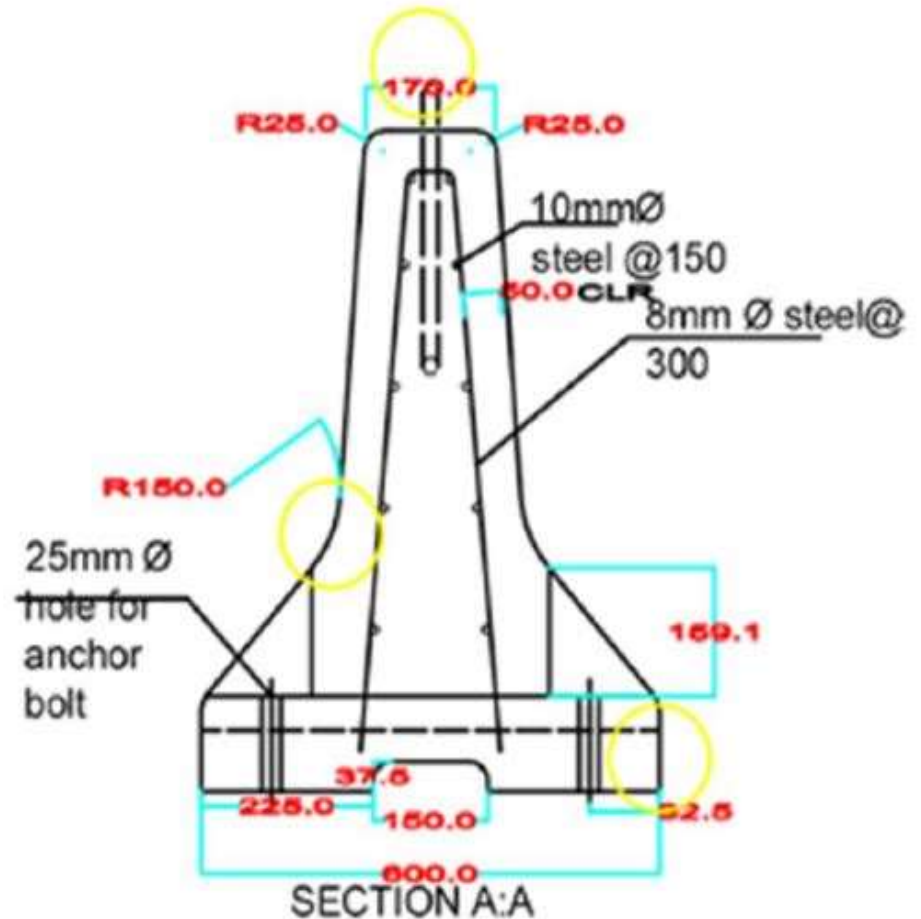


Figure 1

In general, this level is suitable

For The majority of applications

On high-speed highways, freeways,

expressways, and interstate highways with a mixture of trucks and heavy

vehicles.

Installation:

 changes

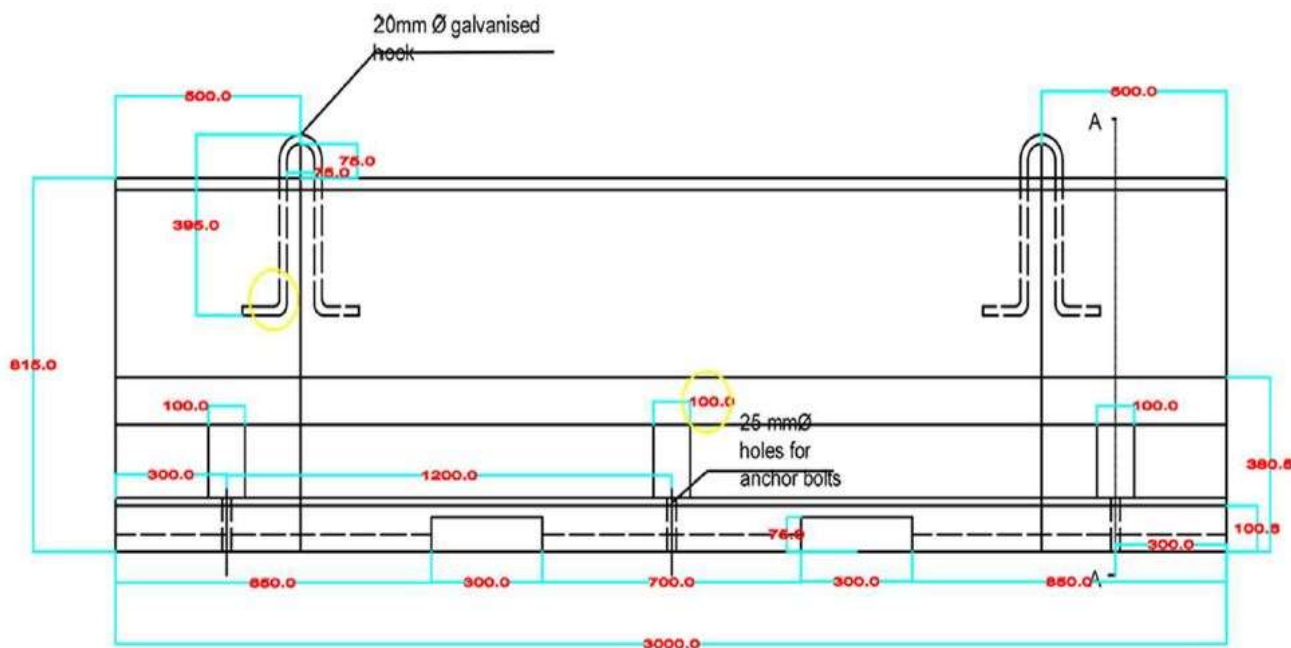


Figure 2

Dowel bars shall be 20 mm D₁₄ deformed reinforce Steel bars and staggered side to side. Dowel bars is a most reliable and durable method for permanent installation otherwise use anchor bolts.

This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible **“Beam Concrete Work”** representative for approval before commencing the work



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