Marshalls
Landscape Protection

RHINOGUARD®
BEAM

A NEW FRONTIER IN LANDSCAPE PROTECTION

A NEW FRONTIER

Incorporating the RhinoGuard® Ultra Shallow 50®, the RhinoGuard® Beam has been crash tested to the IWA 14.1 standard and can successfully stop a 7.2 tonne vehicle traveling at 30mph.

With tailored length options available to suit the scheme's requirements, the protective barrier has the capability of spanning manholes, services, chambers and other obstacles, whilst allowing for expansion and contraction.

Requiring just 50mm of excavation, the bollard and beam system offers the perfect solution for use on bridges and other areas where underground service and utilities affect installation.

The demountable structure can be removed quickly to provide access for plant and equipment or emergency service vehicles should this be required.

The customisable design allows the barrier to coordinate with the surrounding aesthetics, enhancing the environment whilst providing the appropriate level of protection required, keeping people safe... not scared®.

MADE IN BRITAIN

FEATURES & BENEFITS

- *Successfully crash tested to IWA 14.1 standards*
- *Capable of stopping a 7.2 tonne vehicle travelling at 30mph*
- *Provides 0m stopping distance*
- *Tailored length options available*
- *Spans gaps where a foundation isn't possible*
- *Requires just 50mm embedment*
- *Simple installation*
- *Bespoke design options are available including branded customisation*
- *Demountable allowing quick access*
- *Physically and visually unobtrusive*
- *Allows for expansion*
- *No areas for concealment*

PRODUCT **OVERVIEW**

OUTSTANDING PERFORMANCE

Combining the RhinoGuard® Ultra Shallow 50®, the Beam achieved a stopping distance of 0m when subject to an impact by a 7.2 tonne N2A vehicle travelling at 30mph.

Our Ultra Shallow 50® has now successfully performed in three IWA 14.1 crash tests. Tested in a typical footpath, cycle way and using the beam to span across a 4000mm gap, the bollard and beam solution performs in all three test scenarios.

All tests demonstrate a real life scenario, impacting at 30 degrees which is considered the most likely angle of attack on long linear runs of perimeter protection.

SECURITY SPECIFICATIONS

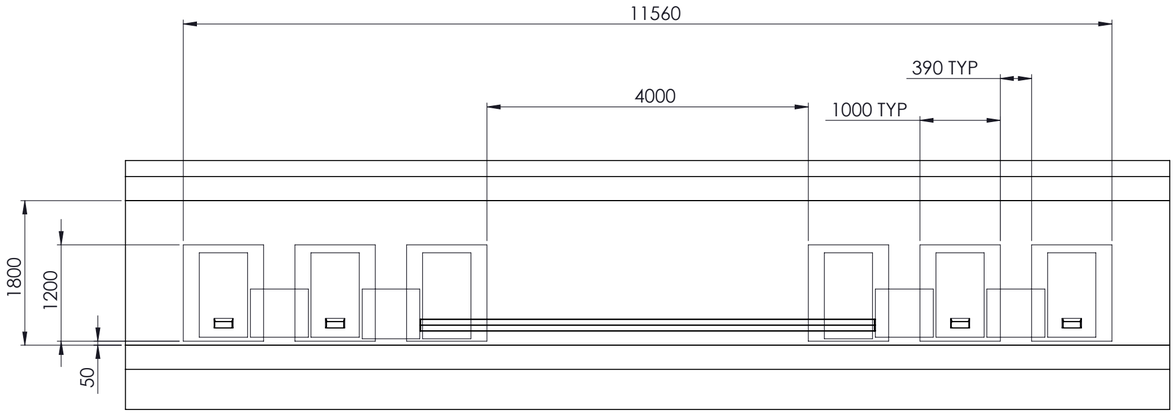
7.2 tonne

30 MPH

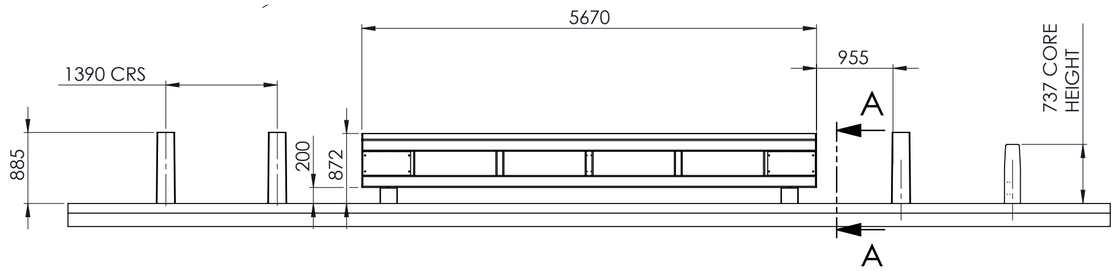
V/7200(N2A)/48/30:0
IWA 14.1 crash test

RHINOGUARD® BEAM

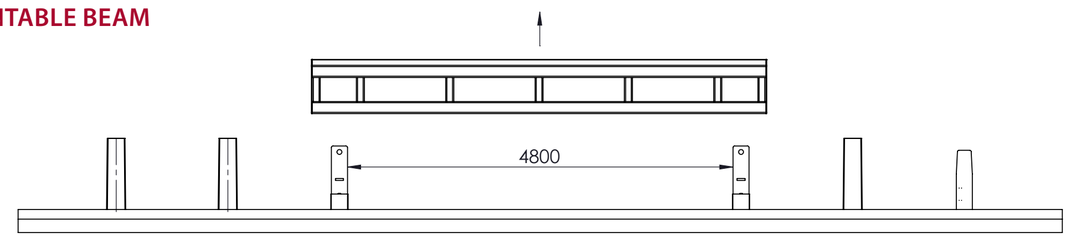
PLAN VIEW



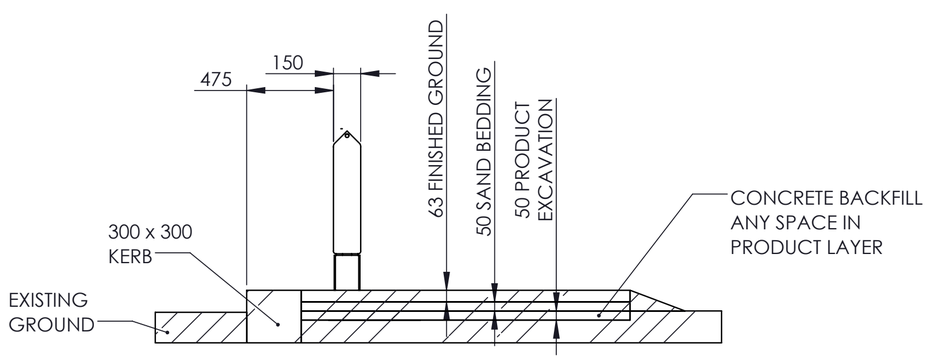
FRONT VIEW



DEMOUNTABLE BEAM



SIDE VIEW



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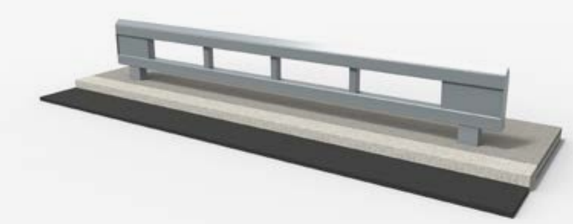
STANDARD SPECIFICATION DETAILS

Standard option

This table details the *standard* design and technical information for the RhinoGuard® Beam (illustrated right).

We can tailor the length and design to meet your specific requirements.

Please get in touch for more information.



Material

Mild Steel as standard with various finish options available.

MILD STEEL

Colours

Option of powder coating in a range of RAL colours as standard.

Branded customisation also available.

RAL 9010 PURE WHITE
RAL 7038 AGATE GREY
RAL 7045 TELEGREY
RAL 9007 GREY ALUMINIUM
RAL 9006 WHITE ALUMINIUM
RAL 9005 JET BLACK
RAL 5010 GENTIAN BLUE
RAL 6005 MOSS GREEN
RAL 6018 YELLOW GREEN
RAL 1023 TRAFFIC YELLOW
RAL 3020 TRAFFIC RED
RAL 8014 SEPIA BROWN

Height above ground (mm)	872	Length (mm)	5670
Foundation depth (mm)	50	Width (mm)	150
Weight (kg)	721		

Marshalls
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Registered Office:
Marshalls plc,
Landscape House, Premier Way,
Lowfields Business Park,
Elland, HX5 9HT
United Kingdom

UK: 0370 600 2425

International: +44 (0) 1422 312 993

USA: +1 603 465 1254

marshalls.co.uk/landscapeprotection