

VGSH 4000

Bridge Rail

CONTAINMENT
MDS TL5

APPROVALS
MASH TL5
EN1317
H4a /W4





Test Deck Design

The VGSH 4000 steel Parapet is a modular design consisting of 3 horizontal rail sections located to supporting posts. At 4.5m post spacings (14.7 ft) the VGSH 4000 provides a very high containment system that is quick to install with a low cost. The rail sections can be sheeted to eliminate debris from falling through the system.

- The VGSH 4000 is tested on a 600 mm edge beam to demonstrate that the system performs on actual bridge dimensions
- Constructed from high grade steel the VGSH 4000 is galvanised to ISO 1461 providing a corrosion resistant system.
- Anchorage Centers = 4 bolt 350mm longitudinally x 300mm transversely
- Unfactored moment resistance of post at underside of baseplate = 99.8kNm
- Ultimate shear force resistance of post = 465kNm
- Size of holding down bolts = M27
- Weight 122.67 lbs / Ft
182.55 kg / m

Containment Level	Test	Speed km/h	Angle	Mass kg	Vehicle
H4a	TB 11	100	20	900	Car
	TB 71	65	20	30000	HGV
FHWA	NCHRP Report 350 and MASH Test Level 5 compliant				
SPECIFICATIONS					
Standard	FHWA * EN 1317				
Containment Level	MASH TL5 * H4a				
Working Width	W4				
Impact Severity	B				
System Height	1.5m				
Post Center	2.5m				
Plinth Height	0-100mm minimum				
Grout	10-30mm				



For full test data report, please contact us at info@mdsbarriers.com
Or call 860-289-8033

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