

TECHNICAL REPORT

DESCRIPTION

Item: One, Stadium Barrier 1.5M

Supplied by: KH Stadium Seating

See Photos: One – Six

Overall Dimensions: 1060mm high
1620mm wide
90mm deep

Qty	Item	Material
1	Horizontal Guardrail	48mm Ø x 2.5mm Tubular Metal
2	Vertical Columns	48mm Ø x 2.5mm Thick Tubular Metal
1	T-Connector	61mm Ø x 4.5mm Thick Tubular Metal
1	90° Connector	61mm Ø x 4.5mm Thick Tubular Metal
2	Floor Mounting Plates	117mm x 8.5mm Metal Plate

All dimensions are approximate.

PRECONDITIONING AND MOISTURE CONTENT

FIRA cannot validate date of manufacture and therefore it is assumed that at least 4 weeks has elapsed between date of manufacture and delivery to FIRA.

Unless otherwise stated on the first page of this report the sample was stored in indoor ambient conditions for at least the minimum duration as required by this standard prior to test.

Wherever possible timber moisture content is verified prior to test. Where this is not possible the moisture content is assumed to be in the range 8 – 12 %.

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STANDARD: Guardrail Horizontal Imposed Load Test Based on BS EN 13200-3:2005 – Spectator Facilities

The strength tests required were carried out in accordance with the standard. Where applicable details of the loads applied and their positions of application are retained at FIRA and are available on request. Structural testing machines are set to operate at the tolerances stated in the standard. Uncertainty of Measurement calculations have not been applied. FIRA Uncertainty of Measurement values are available on request.

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Reference	Test	Details	Result
BS EN 13200-3: 2005 Table A.1	Horizontal imposed load to guiderail	2.4kN/m Horizontal Load (10 applications x 10 sec) 1.5m x 2.4KN/m = 3600N	PASS
CUSTOM OVERLOAD	Horizontal imposed load to guiderail	4kN/m Horizontal Load 4200N achieved	PASS*

*See Comments

In extreme weather conditions the ambient test temperature and/or humidity may fall outside the requirements of the standard. Such changes have not been shown to affect the validity of the results. Details of the ambient conditions at time of test are available on request