

Test Certificate

Office: Lloyd's Register EMEA - Energy, Coventry

Date: 04 March 2010

This certificate is issued to Gantry Railing Limited to certify that the undersigned Surveyor to Lloyd's Register EMEA did at their request attend at their Sudmeadow works, Gloucester on 17 November 2008 to 18 November 2008 for the purpose of witnessing the testing of the undernoted Gantry Railing Limited Clip in accordance with the requirements of Gantry Railing Limited Order No. 6762 on Lloyd's Register EMEA.

Gantry Railing Limited Type 9120/15 Clip
Bolt Material to BS EN ISO 898-1 Grade 8.8
Nut Material to BS EN 20898-2 1994 (ISO 898-2:1992) Grade 8

Design Load 120 KN

Test Procedure

The above Clip was subjected to lateral testing in accordance with Gantry Railing Limited Test Procedure No. TESTBS5950. The procedure is based on BS 5950 Part 1: 2000 – Section 2.1.2.5 and Section 7.

The Clip was bolted down onto a test rig simulating normal fixing conditions with a measured torque of 250 Nm.

Pre Load Test (Design Load)

The Clip was subjected to a pre-load of 120 KN for one minute duration for a preliminary bedding down load.

Proof Test (1.3 x Design Load)

A test load of 156 KN was applied in gradual stages.

Strength Test (1.6 x Design Load)

The proof load was increased in gradual stages to 192 KN.

Proof / Strength Test Result

The pre-load test, proof test and strength test were all considered acceptable. There was no indication of mechanical damage or distortion on either the Clip or the screwed fixing.

Failure Load

The strength load was increased gradually to 240 KN (2 x design load). No failure occurred. Upon examination the Clip had no visual sign of mechanical damage or distortion.

Note: All measuring equipment used during the tests held current calibration status.



R. A. Nuttall
Surveyor to Lloyd's Register EMEA

A member of the Lloyd's Register Group

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.