



TEST REPORT

Testing Of Fall Protection systems BS EN 14122– 3: 2016

KeeGate SGEU600GV/PC Safety Gate

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Test Report KS-KGATE-007



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Testing Of Kee Gate to BS EN 14122-3 2014

1.0 Introduction

Test of a Kee Safety Safety Gate, in accordance with BS EN 14122-3:2016 Safety of machinery stairways, stepladders, guardrails – Permanent means of access to machinery.

2.0 Test Programme

Test rig consisting of a Fixture to which a suspended pulley block could be attached to was placed at 6'6" (2m) away from the installation. A double eyed sling was placed between the gate being tested with the other end connected to a weight hanger.

A line wire transducer was connected to the system being tested to measure displacement at the top rail.

3.0 Test Methods – BS EN 14122 Part 3 2016

Top Rail

The first static test load is gradually applied until the calculated required 30kg load is achieved. The pass criteria is for the system to support this load for 1 minute, during this loading the measured deflection of the rail shall not exceed 30mm.

Loading calculation

$$300\text{N/m} \times .9\text{m} = 270$$

$$270 / 9.81 = 27.52\text{kg}$$

This was rounded up to 30kg for testing.

4.0 Results

The results of each test are indicated in Table 1.

5.0 Summary of results

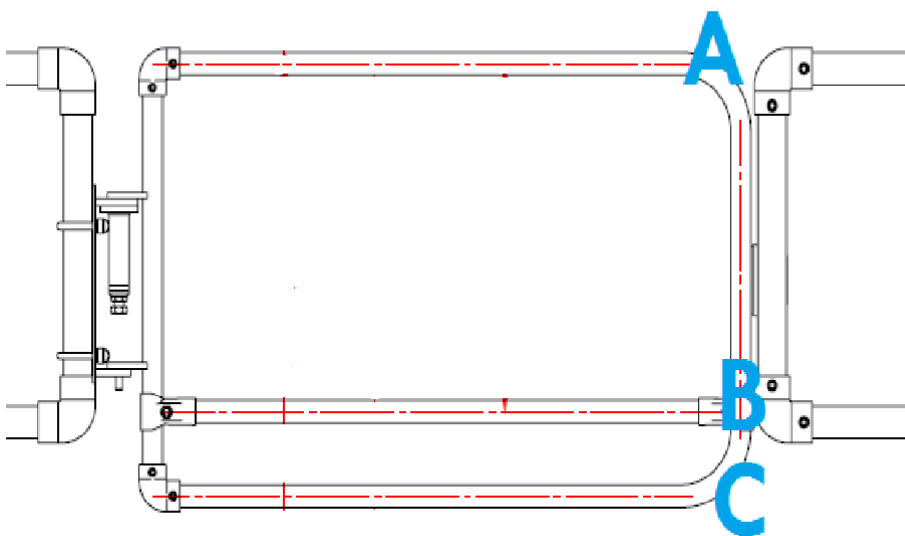
The results of the tests show that the KeeGate as defined in this report meets the test requirements of the standards as stated in section 4 of this document when installed as per manufacturers guidelines.

TABLE 1

Recorded values from tests conducted

EN14122-3	Test #	Deflection	Result
Point A	1	2mm	Pass
Point B	2	1mm	Pass
Point C	3	0mm	Pass

KeeGate SGEU600GV/PC gate



Test Result

Pass

6.0 **Photographs**



14122-3 30kg load @ Point C



14122-3 30kg load @ Point A



7.0 Technical Staff Credentials & Committees

Ben Rutter – Assistant Global Product Manager - Fall Protection

Kee Safety Work at Heights Course

John Ingram - Assistant Global Product Manager - Fall Protection

Task Group member of ACR Magenta Book 2014 - (Part 1) Good Practice for the use of Horizontal Safety Lines in Roofwork & (Part 2) Testing of Roof Anchors on Roof Systems

ONC & HNC in Civil Engineering