



## **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**

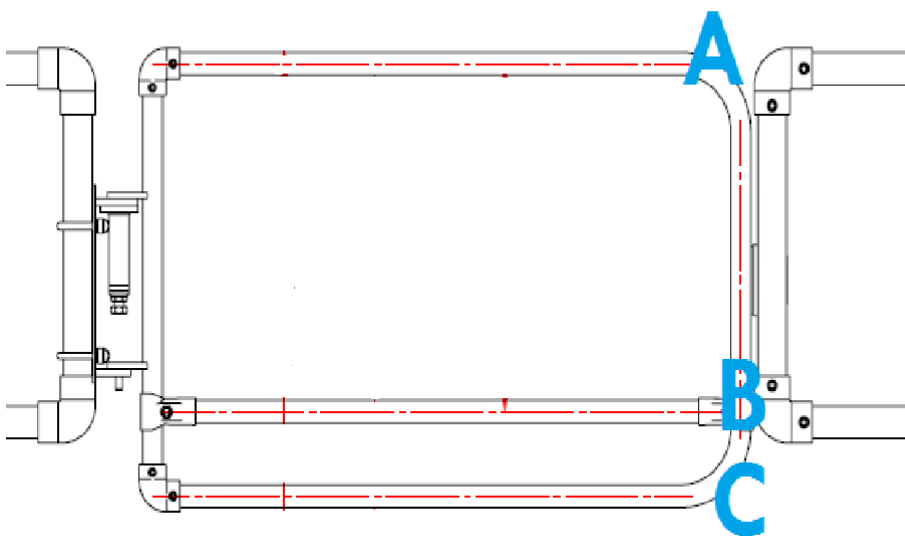
The results of the tests show that the KeeGate as defined in this report meets the test requirements of the standards as stated in section 4 of this document when installed as per manufacturers guidelines.

**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**