

GLASS CLAMP SYSTEM GLASS ADAPTER MOD 0747

Testing conducted by/at:

Q-railing Europe GmbH & Co.KG

Marie-Curie-Strasse 8-14

46446 Emmerich am Rhein

Germany

1. Introduction

This report describes tests conducted at the test site of Q-railing Europe GmbH & Co.KG on Glass Clamp System: Glass Adapter MOD 0747, assembled with various glass thicknesses and dimensions as shown.

2. Test arrangement

Various barrier specimens were mounted on to a rigid concrete structure with a test rig from steel with sufficient strength to withstand loads applied to it.

For each test, load was applied to the glass in a hand railing height using a hydraulic ram.

Load was measured with a load cell.

A digital caliper was used to measure the deflection of the barrier from its neutral position.

3. Materials

1. Glass adapter
Article No.: 13.0747.000.12 Glass adapter Ø50 mm, flat connection
2. Inlay
Silicon rubber (transparent)
3. Glass
 - 12.76 mm (6-0,76-6) laminated with toughened
 - 17.52 mm (8-1,52-8) laminated with toughened

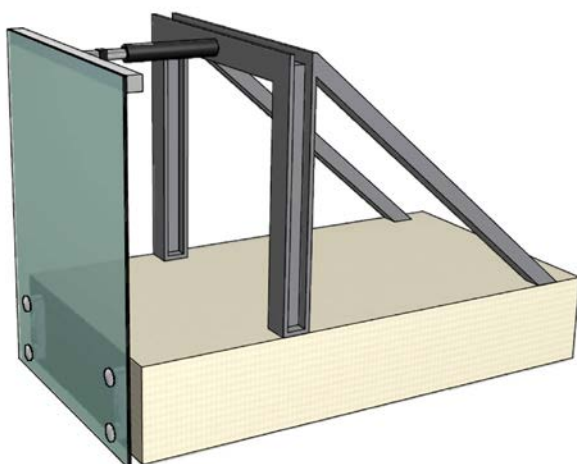
Technical Report

Glass Clamp System: Glass adapter
MOD 0747 rev. 1
Date: 09.10.2012

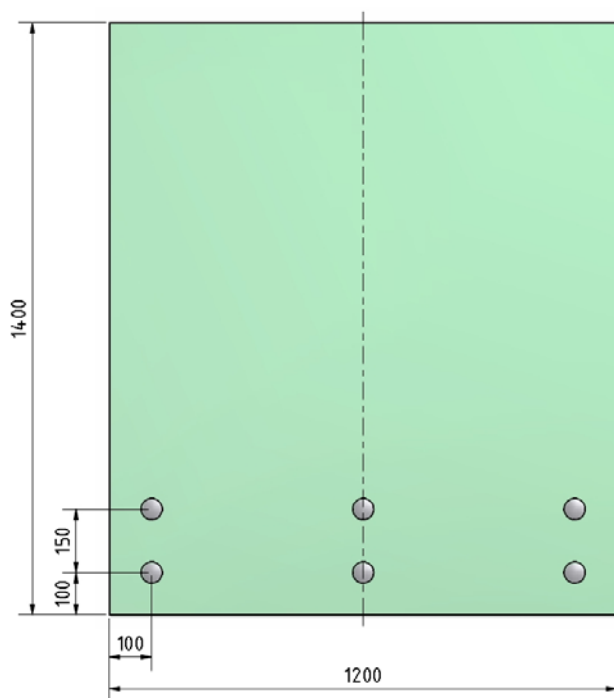
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4. Arrangement of test assembly



5. Drawing of the glass



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6. Test results

F (kN/m)	Deflection (mm) (Glass: 6-0,76-6 1,2 m wide x 1,4 m high)	Deflection (mm) (Glass: 8-1,52-8 1,2 m wide x 1,4 m high)
0,36	16,58	8,14
0,5	27,49	14,01
0,74	41,54	20,58
1,0	57,96	27,62
1,3	-	37,42
1,5	-	47,13
2,0	-	-

Comments

The loading was applied to the top of the glass at a height of ~1,1m above finished floor level.

These results are based only to the above mentioned mounting situation.

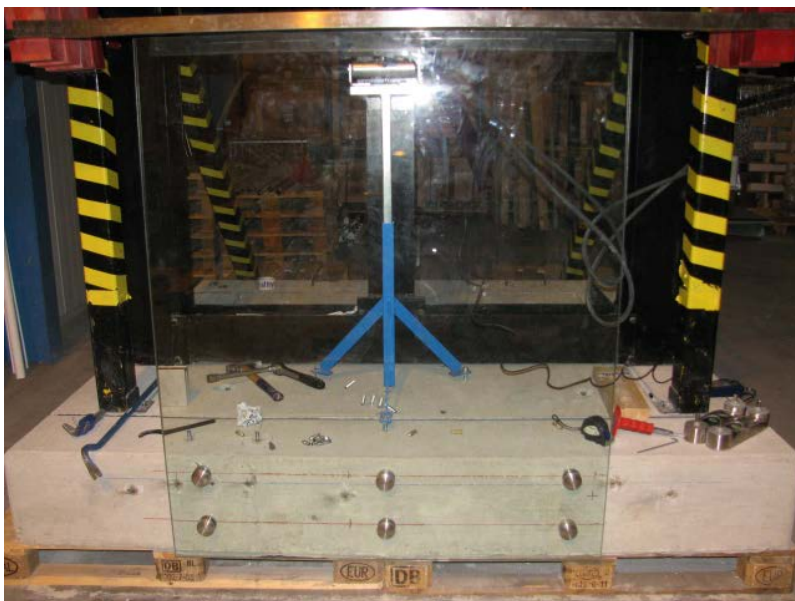
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7. Photographs



General overview of the complete system

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