

EASY GLASS[®]
Glass adapter
MOD 0760

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 Easy Glass® Glass adapter, assembled with various glass thickness 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. 13.0760.000.12 Glass adapter with base plate, AISI 304

2. Anchoring

Article-No. 19.4412.010.15 FHB II-A L M12x120/10

3. Glass

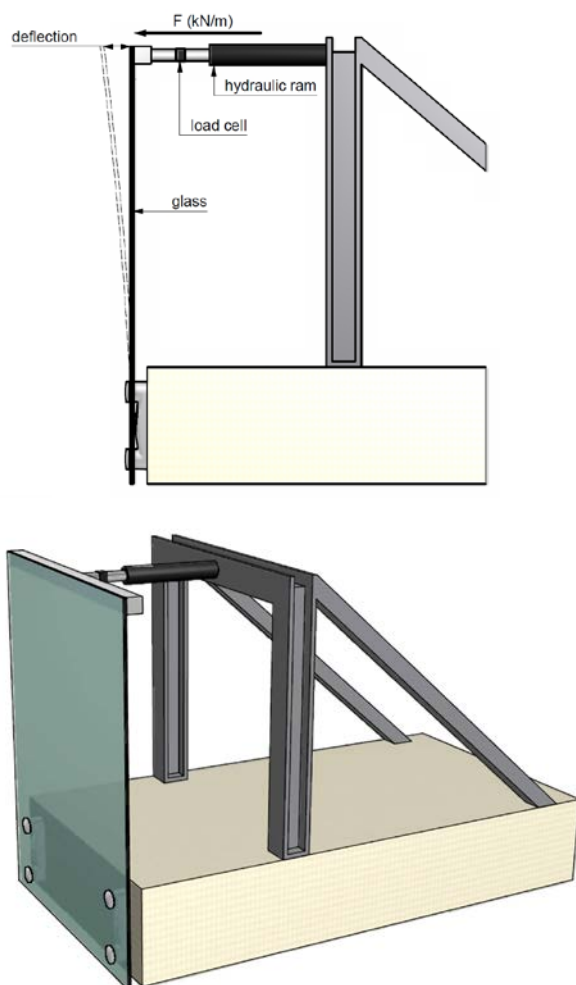
12,76 mm (6-0,76-6 mm) laminated with toughened

17,52 mm (8-1,52-8 mm) laminated with toughened

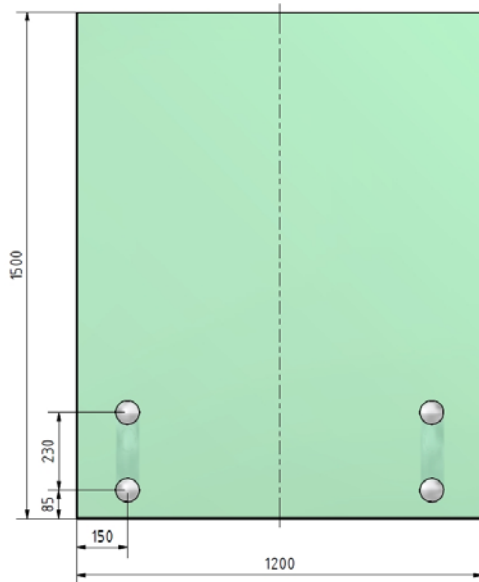
19 mm toughened

25,52 mm (12-1,52-12 mm) laminated with toughened

4. Arrangement of test assembly



Test assembly:



5. Test results

F (kN/m)	Deflection in mm (Glass: 6-0,76-6) 1,2 m x 1,5 m	Deflection in mm (Glass: 8-1,52-8) 1,2 m x 1,5 m	Deflection in mm (Glass: 19mm) 1,2 m x 1,5 m	Deflection in mm (Glass: 12-1,52-12) 1,2 m x 1,5 m
0,36	22,4	9,91	7,0	4,7
0,5	34,15	14,49	9,68	6,6
0,74	50,54	23,18	14,24	9,6
1,0	67,7	30,49	19,74	13,73
1,3		40,27	26,34	18,05
1,5		47,75	29,92	22,27
3,0				39,84

Comments:

The loading was applied to the top of the glass at a height of ~1,2m above finished floor level.

6. General overview

... complete system



...Line load testing

