

EASY GLASS[®]
GLASS ADAPTER
MOD 0762

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 MOD 0762, assembled with various 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.

Load was measured with a load cell.

Mechanical indicators were used to measure the deflection of the barrier from its neutral position.

3. Materials

1. Glass adapters.

Article no. 13.0762.000.12 Glass adapter with base plate for 8-17,52 mm glass

2. Anchoring

Article no. 19.4408.010.15 Highbond Anchor FHB II-A-L M8x60/10 A4

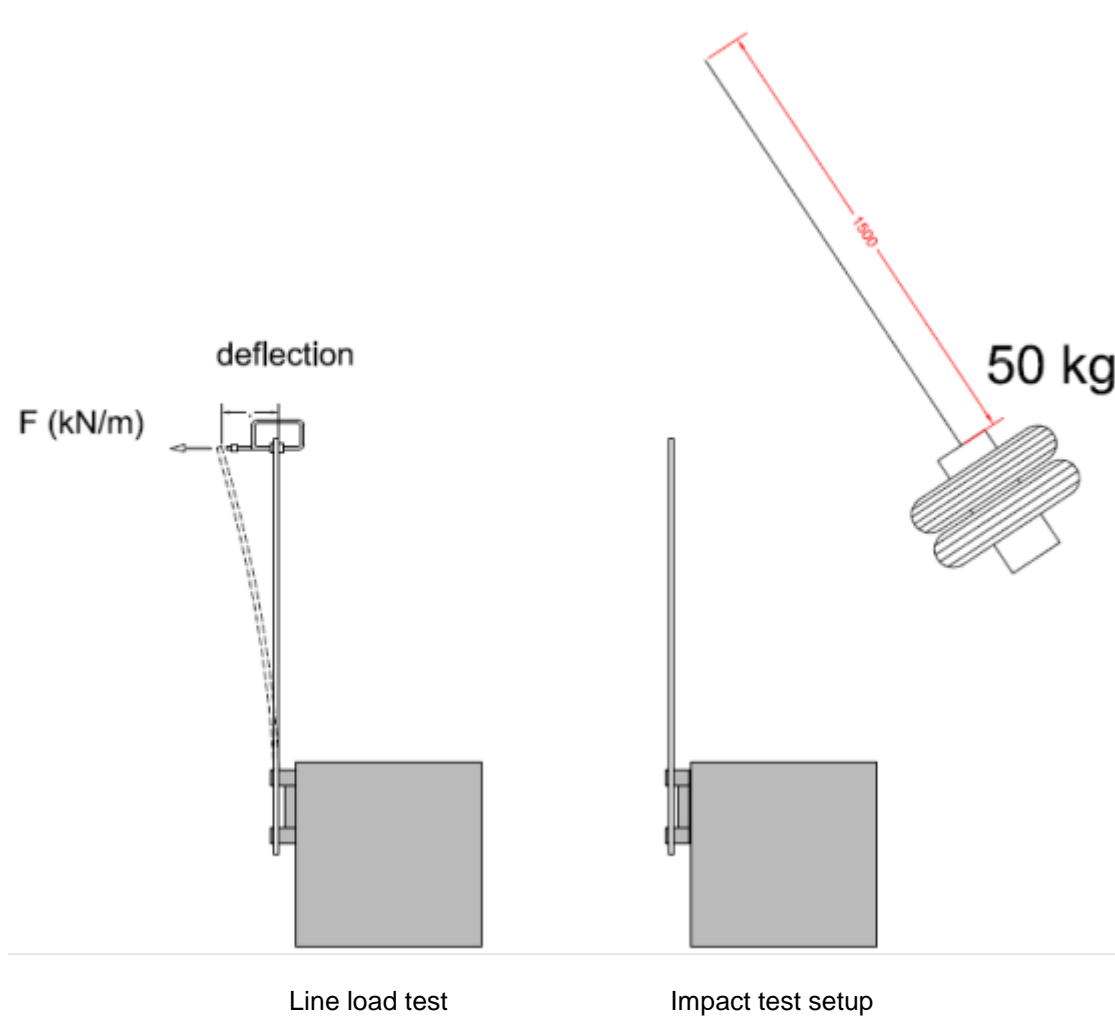
3. Inlay

Silicone rubber (transparent)

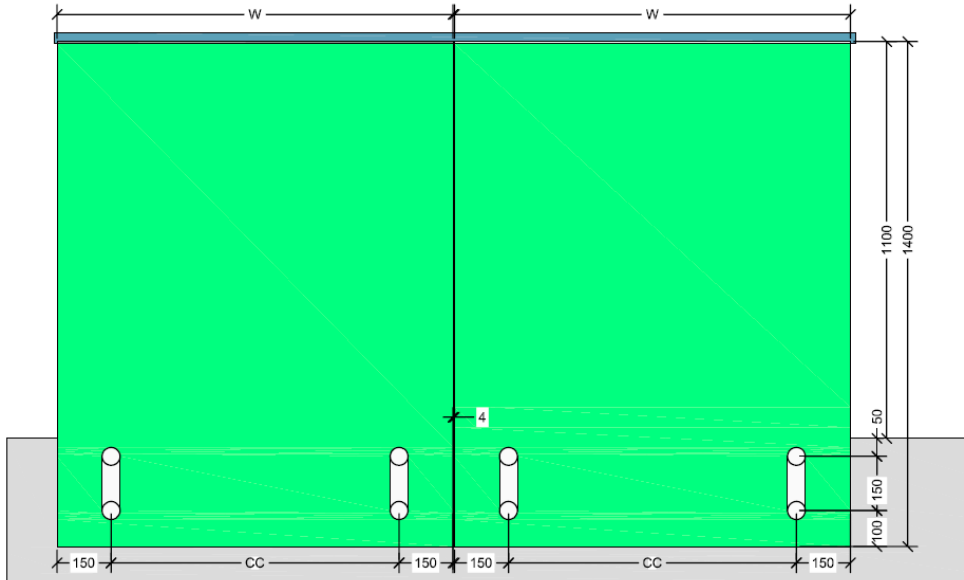
4. Glass

- 12,76 mm (6-0,76-6) laminated glass
- 16,76 mm (8-0,76-8) laminated glass
- 15 mm monolith glass
- 19 mm monolith glass

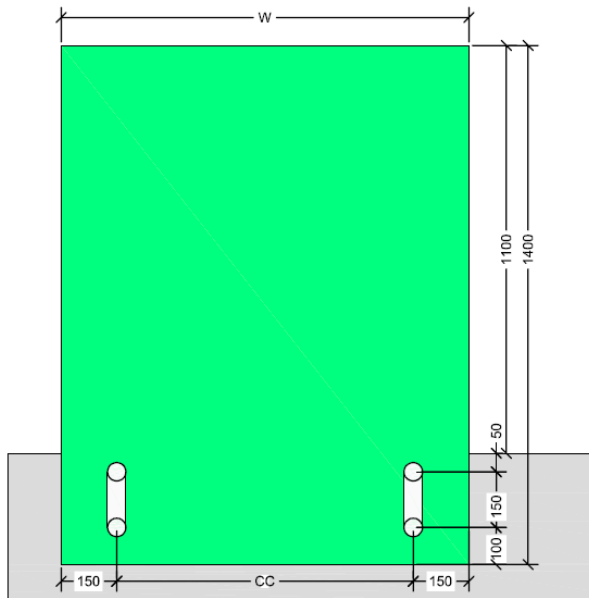
4. Arrangement of test assembly



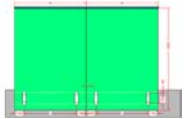

Test assembly 1:



Test assembly 2:



5. Test results

Test assembly	Glass t mm	Dimension n* x w x h mm	Adapters c.c.** mm	Barrier height mm	Line Load test						Pendulum test	Test assembly
					0,36 kN/m	0,50 kN/m	0,74 kN/m	1,00 kN/m	1,20 kN/m	1,50 kN/m	fall height 700	
					deflection at top of glass							
1	16,76	2x1100x1400	800	1100	14,53	21,19	32,6	46,05	57,1	-	-	
	16,76	2x1000x1400	700	1100	20,93	29,68	44,68	60,70	-	-	-	
	12,76	2x1000x1400	700	1100	52,05	70,99	-	-	-	-	-	
	16,76	2x900x1400	600	1100	20,64	29,05	43,55	58,70	71,55	-	-	
	12,76	2x800x1400	500	1100	40,23	56,00	83,20	-	-	-	-	
2	15	1200x1400	900	1100	12,07	19,00	26,40	37,31	45,16	56,89	-	
	19	1200x1400	900	1100	7,18	13,00	18,02	24,51	29,26	36,41	-	

* n= number of panels

** c.c.=center to center distance

Comments:

The loading was applied to the top of the glass at a height of 1.10 m above finished floor level. Pendulum impact has been tested without top rail for double panels.

6. General overview line load

