

Amended Report

This replaces previous Report no.: INZ61052-01
 dated 23/11/17.

File Ref: INZ 61052

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TEST REPORT No.: INZ61052-01A

Client: Set Engineering
 Order No.: TBA
 Sample Description: JG2 steel bracket
 Identification: As listed below
 Material Specification: Unspecified steel
 Tested in accordance with: Client instruction

Test: Tensile testing of JG2 steel bracket fixed to 90mm x 45mm timber with 14g x 35mm type 17 wood screws (Figure 1).

Method: With the base retained, apply a tensile load to the bracket assembly by applying a load to the extending timber with the use of two steel angles fixed with two M10 class 8.8 bolts (Figure 2). Measure and record the ultimate load.

Loading Rate - 0.5 kN/s

Results:

Sample	Ultimate Load (kN)	Mean	Standard deviation	Characteristic Strength (kN)
1	22.0	23.2	1.9	18.6
2	25.0			
3	22.2			
4	21.3			
5	25.7			
6	22.3			
7	21.7			
8	20.5			
9	26.0			
10	25.7			
11	22.5			

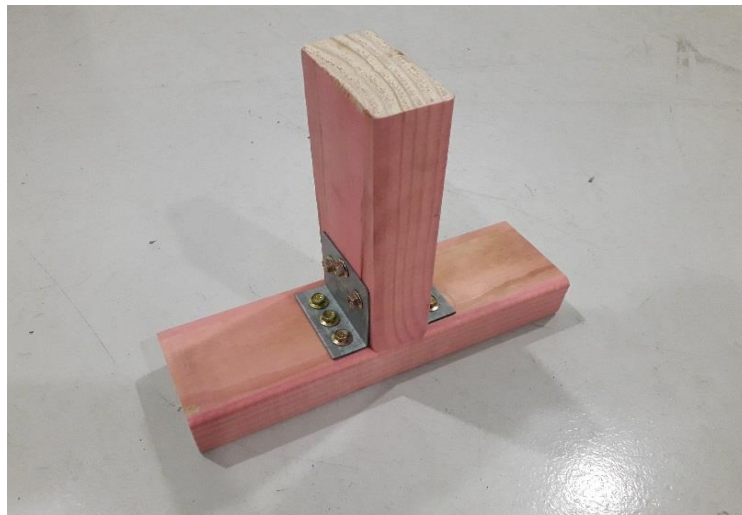


Figure 1 - JG2 bracket assembly as supplied

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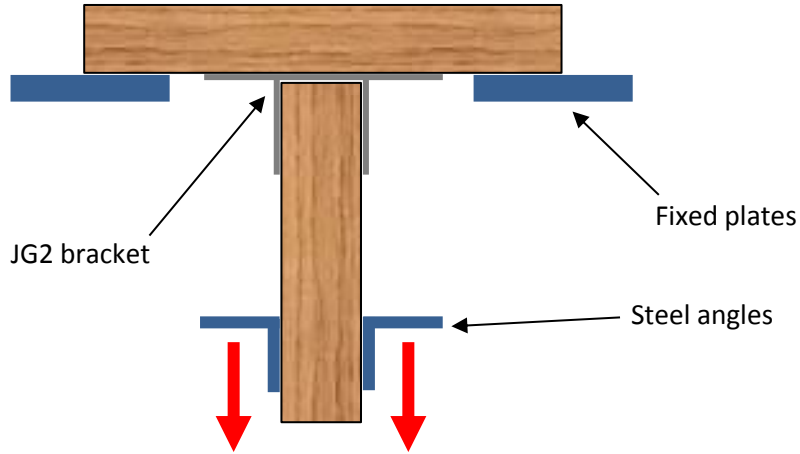


Figure 2 - Tensile test setup

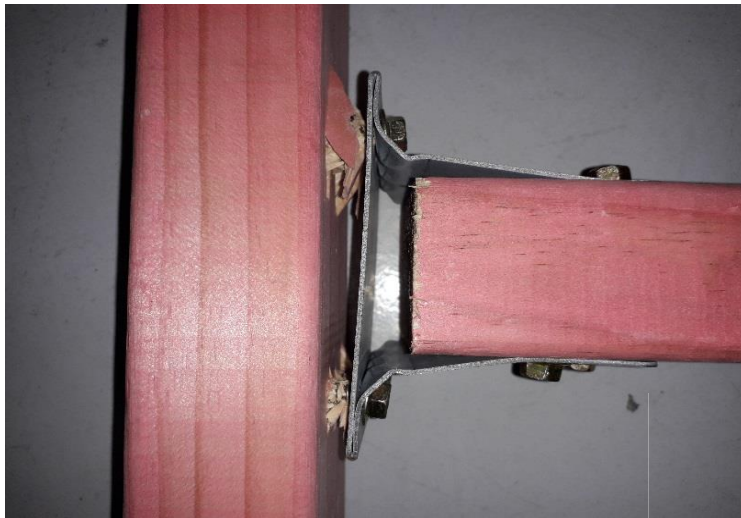


Figure 3 - Typical failure, screws pulling out of timber base.

Acceptance Criteria: Report findings

Tested by: G. Schoutens

Date: 23-Nov-17

Checked by: N. Woods

Date: 19-Dec-17



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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 14 days only.