



Technical Report No. 68.190.15.0936.01

Rev. 00

Dated 2015-07-31

Client: Guangzhou Pro Group Co., limited
No.9 Shilian Road, Shiji Town, Panyu, Guangzhou, China

Manufacturing place: As above

Test subject: Product: Aluminum truss
Model No.: PS6076
Brand name: Pro Group

Test specification: Loading test as per client's request.

Purpose of examination: Test according to the client's requirements.

Test result: Details see test result in Clause 3.

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TPS_GCN_F_09.20E - Rev. 1
(Report No.: 68.190.15.0936.01)

2012-10-29

1 Description of the test subject

1.1 Function

- Manufacturer's specification for intended use:
The Aluminium Truss serves exclusively the attachment of loads for load application and load distribution in the superior structure. The Aluminium truss is used as a single span beam.

1.2 Technical Data

Max. length of single truss: 3 m
Max. length of connected systems: 26 m
Rating: 6082-T6

1.3 Product Photos



2 Order

2.1 Date of Purchase Order, Customer's Reference

2015-07-28

2.2 Receipt of Test Sample, Location

2015-07-29, at manufacturing place.

2.3 Date of Testing

2015-07-29

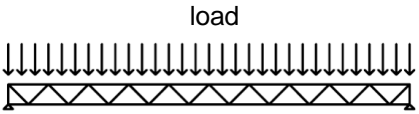
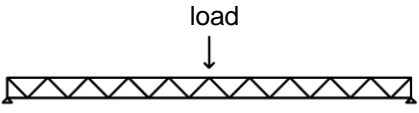
2.4 Location of Testing

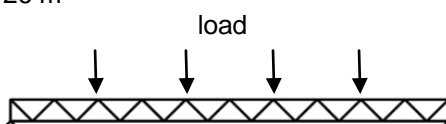
At manufacturing place

2.5 Points of Non-compliance or Exceptions of the Test Procedure

None

3 Test Results

Abbreviations: P(ass) = passed F(ail) = failed NA = not applicable NT = not tested			
Clause	Requirement – Test	Measuring result – Remark	Verdict
Loading test as per client's request.			
3.1	<p>Uniformly distributed load (UDL)</p> <p>The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 1. The load was uniformly distributed on the truss and the deflection under this loading condition was measured accordingly.</p> <p>Load: 31,6 kg/m (Total: 821,6 kg) Span: 26 m</p> <div style="text-align: center;">  <p>Figure 1</p> </div>	<p>Deflection: 95 mm. No visible damage was found after test.</p>	
3.2	<p>Concentrated load (CPL)</p> <p>The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 2. The load was concentrically placed at centre point and the deflection under this loading condition was measured accordingly.</p> <p>Load: 411 kg Span: 26 m</p> <div style="text-align: center;">  <p>Figure 2</p> </div>	<p>Deflection: 80 mm. No visible damage was found after test.</p>	

<p>3.3</p>	<p>Four points load</p> <p>The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 3. The load was concentrically placed at even four points of span and the deflection under this loading condition was measured accordingly.</p> <p>Load: 185 kg/point Span: 26 m</p> <div style="text-align: center;">  <p>Figure 3</p> </div>	<p>Deflection: 93 mm. No visible damage was found after test.</p>
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TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group





Engineer: _____
Donald Chen
Project Handler

Technical Report checked: _____
Levor Wei
Designated Reviewer

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