

Test Report

No.: 68.190.19.2333.01-00

Dated: 2019-09-03



Applicant: Guangzhou Biel Stage Technology Co.,Ltd
Address: No. 6 Industrial Road, Second Industrial Zone, Shakeng Village ,
Shawan Town, Panyu District, Guangzhou, China
Sample Submission: The sample was submitted by applicant and identified.
Product Name: Aluminum Spigot Truss (suit for outdoor and indoor)
Order No.: ----
Identification/Style No.: BielStage 01
Manufacturer: Guangzhou Biel Stage Technology Co.,Ltd
Country of Origin: China
Buyer: ----
Export to: ----
Receipt Date of Sample: 2019-08-26
Date of Testing: From 2019-08-26 to 2019-08-26
Test Result: Refer to the data listed in following pages

Test Specification(s) or Test Item(s):

1. Loading test according to customer's request

Hardline Laboratory

TÜV SÜD Certification and Testing (China) Co., Ltd.
Shenzhen Branch

Tested By: Leo Lu

Leo Lu
Test Engineer



Reviewed By: Harry Nie

Harry Nie
Project Manager

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1 Description of the test subject**1.1 Function**

Manufacturer's specification for intended use: not specified.

1.2 Consideration of the foreseeable misuse

- ☒ Not applicable
- ☐ Covered through the applied standard
- ☐ Covered by the following comment
- ☐ Covered by attached risk analysis

1.3 Technical Data

Product :	Aluminum Spigot Truss 290 x 290mm 12M
Overall Dimension :	12 m L x 290 mm W x 290 mm D
Main tube in length direction (mm):	Dia, 50 x T 3,0
Supporting tube in horizontal and vertical direction (mm) :	Dia, 20 x T 2.0
Supporting tube in inclined direction) (mm) :	Dia, 20 x T 2.0

2 Order**2.1 Date of Purchase Order, Customer's Reference**

2019-08-26

2.2 Receipt of Test Sample, Location

/

2.3 Location of Testing

Guangzhou Biel Stage Technology Co.,Ltd

No. 6 Industrial Road, Second Industrial Zone, Shakeng Village , Shawan Town, Panyu District, Guangzhou, China

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

None

3 Test indication

3.1 Construction inspection – Comparison of the test sample to the drawings of the underlying documentation

A comparison has shown that the test sample is confirming to the drawings of the underlying documentation.

3.2 Load test

The nominal loads were applied and the deflections were measured.

Uniformly distributed load (UDL)

The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 1.

A pre-load is applied before deflection measurement was taken.

Then the specified nominal load was uniformly distributed on the truss and the deflection under this loading condition was measured accordingly.

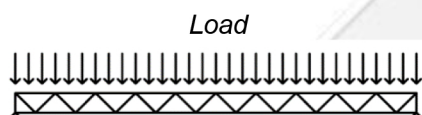


Figure 1

4 Test result

Measured deflection, (mm) – Deflection under load

Residual deflection, (mm) – Deflection after the load is removed

4.1 Test Results

Nominal load test

Item	Test Data
Span, (m)	12
Total load applied, (kg)	600
Measured deflection, (mm)	75
Residual deflection, (mm)	9
Overload, Total load applied, (kg)	1020
Test results	No visible damage was found after test.

5 Documentation

TESTING PHOTO



Remark:

1. The sample has been examined according to the minimum requirements described in the product standard.

-End of Test Report-