

# Test Report

No.: 64.190.21.0927.01

Dated: 2022-01-07



**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:** 400x400mm aluminum truss  
**Order No.:** /  
**Identification/Style No.:** /  
**Manufacturer:** Guangzhou Biel Stage Technology Co.,Ltd  
**Country of Origin:** China  
**Buyer:** /  
**Export to:** /  
**Receipt Date of Sample:** 2022-01-04  
**Date of Testing:** From 2022-01-04 to 2022-01-04  
**Test Result:** Refer to the data listed in following pages

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

1. Loading test according to client's requirements

## Conclusions:

See Test Results

Hardline Laboratory

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

Tested By:

Steven Pan  
Project Handler

Reviewed By:

Parke Liang  
Designated Reviewer



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## Description of the test subject:

1	Product Description	400x400mm aluminum truss	
2	Dimensions	Overall Dimension (mm):	L16000 x W390 x H390
		Main tube in length direction (mm):	Dia. 50 x T 3,0
		Supporting tube in horizontal and vertical direction (mm):	Dia. 25 x T 2.0
		Supporting tube in inclined direction) (mm):	Dia. 25 x T 2.0

## Testing photo(s)



## Test Results

## 1. Loading test according to client's requirements

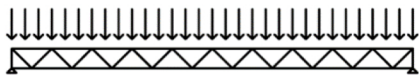
Test item	Requirement ~ Test	Measuring result ~ Remark	Verdict
Loading test	<p>The nominal loads were applied and the deflections were measured.</p> <p>Uniformly distributed load (UDL)</p> <p>The truss was supported by two rigid frames at two ends to reach a certain span tested according to Figure 1.</p> <p>Then the specified nominal load was uniformly distributed on the truss.</p> <p>Maintain the load for 10 minutes</p> <p>Measured the deflection under this loading condition and loading removal condition accordingly.</p> <p>Check if any damage during and after test.</p> <p>Load</p>  <p>Figure 1</p>	Details see the following table 1	/

Table 1

Item	Test Data
Span, (m)	16
Total load applied, (kg)	600
Measured deflection, (mm)	90
Residual deflection, (mm)	4
Test results	No visible damage was found during and after test.

## Note:

Measured deflection – Deflection under load

Residual deflection – Deflection after the load is removed

## Remark:

- The test results exclusively base on the submitted sample.

-End of Test Report-