Test Report No.: 68.190.20.0069.01-00
Dated: 2020-01-15

Greater China

Applicant:	Golden Sailing Co., Ltd
Address:	B1005, Floor 10, Tiangong Int'l Security Electronics Square, Longhua Dist., Shenzhen, China
Sample Submission:	The sample was submitted by applicant and identified.
Product Name:	Aluminium truss
Order No.:	----
Identification/Style No.:	Spigot truss: GSF290; GSF400. Bolt truss: GSF305.
Manufacturer:	Golden Sailing Co., Ltd
Country of Origin:	China
Buyer:	----
Export to:	----
Receipt Date of Sample:	2020-01-02
Date of Testing:	From 2020-01-02
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: James Huang

James Huang
Project Manager

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

1.3 Technical Data

Product :	Spigot truss: GSF290
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

Product :	Spigot truss: GSF400
Overall Dimension :	15 m L x 400 mm W x 400 mm D
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

Product :	Bolt truss: GSF305
Overall Dimension :	12 m L x 305 mm W x 305 mm D
Main tube in length direction (mm):	Dia, 50 x T 3,0
Supporting tube in horizontal and vertical direction (mm) :	Dia, 50 x T 2.0
Supporting tube in inclined direction) (mm) :	Dia, 25 x T 2.0

2 Order

2.1 Date of Purchase Order, Customer's Reference

2019-11-26

2.2 Receipt of Test Sample, Location

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2.3 Location of Testing

104. No.17, Xinhuan Middle Road, Xinqiao Village ,Dalong street , 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.

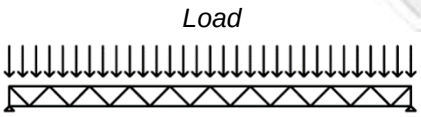

Figure 1

4 Test result

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

4.1 Test Results

Spigot truss: GSF290 (12 m L x 290 mm W x 290 mm D)

Item	Test Data
Span, (m)	12
Total load applied, (kg)	600
Measured deflection, (mm)	85
Residual deflection, (mm)	3
Test results	No visible damage was found after test.

Spigot truss: GSF400 (15 m L x 400 mm W x 400 mm D)

Item	Test Data
Span, (m)	15
Total load applied, (kg)	800
Measured deflection, (mm)	110
Residual deflection, (mm)	4
Test results	No visible damage was found after test.

Bolt truss: GSF305 (12 m L x 305 mm W x 305 mm D)

Item	Test Data
Span, (m)	12
Total load applied, (kg)	600
Measured deflection, (mm)	95
Residual deflection, (mm)	2
Test results	No visible damage was found after test.

5 Documentation

TESTING PHOTO

Spigot truss: GSF290

Spigot truss: GSF400

Bolt truss: GSF305

Remark:

1. The sample has been examined according to the minimum requirements described in the product standard.
2. This report's data derived from test report No.68.190.19.0899.01, issued on date: 2020-01-10,

   The followings have changed according to applicant's request:

   1). Change of applicant's name and address.
   2). Change of models name.

-End of Test Report-