

TEST REPORT

No. : SHIN2505001151CM02_EN

Date : 2025-05-27

Page: 1 of 4



CUSTOMER NAME: NANJING EK METALWORK CO., LTD
ADDRESS: NO.2 GAOXIONG ROAD, LUHE DISTRICT, NANJING CITY, CHINA.

Sample Name : STEE PROP 2150-4000
Product Specification : 63.5*3.0/76*2.6/120*120*8 2150-4000
Material : Inner Tube: Q355 Outer Tube: Q235

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Date of Receipt : 2025-05-19
Testing Period : 2025-05-19 ~ 2025-05-27
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services (Shanghai) Co., Ltd..

Ziven Wang

Ziven Wang
Authorized signatory



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t(86-21) 61196300 www.sgs.com.cn

t(86-21) 61196300 sgs.china@sgs.com

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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Failure Load Test	With Reference to EN 1065:1998 Clause 10.2.5 and Client's Requirement	See Result	N/A

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
N/A : Not Apply to the judgment.

Original Sample Photo:



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Commercial Consultancy & Technical Services Company

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319

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t(86-21) 61196300 www.sgs.com.cn

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Test Item: Failure Load Test

Test Method: With Reference to EN 1065:1998 Clause 10.2.5 and Client's Requirement

Sample Description:

Specimen: 1pcs

Inner tube: $\Phi 63.5\text{mm}$

Outer tube: $\Phi 76\text{mm}$

Adjustable height: 2150mm~4000mm

Weight: 23.67kg

Test Condition:

Test height: 4000mm, 1pc (Provided by Client)

The diameter of steel ball: 50mm

Test Procedure:

- 1) Place the adjustable steel prop on a steel plane with the inclined angle 1° , the steel prop was assembled to be tested at the test height.
- 2) Apply an axial compression test load via a steel ball at the head of the prop with an eccentricity of 10mm.
- 3) The load shall be increased until the plastic deformation occurs, or the test load cannot be increased usefully.
- 4) Record the failure load and the failure mode.

Test Result:

Test Item	Test Height(mm)	Failure Load (kN)	Failure Mode
Failure Load Test	4000	45.51	The inner tube was bent



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Test Photo(s):



The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

*****End of report*****



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SGS-CSTC Shanghai Technical Services (Group) Co., Ltd.
Commercial Construction Technical Services Company

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319
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