

**TEST REPORT**

No. : SHIN2510002641CM09-1\_EN

Date : 2025-10-22

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Scan to see the report



SHIN2510002641CM09-1

Verification:

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CUSTOMER NAME: ANHUI HAODING METAL PRODUCT LIMITED COMPANY  
ADDRESS: NO.32, GAOXIN ROAD, CHAHE ECONOMIC DEVELOPMENT  
ZONE, LAI'AN, ANHUI PROVINCE, CHINA

Sample Name : RAKING BEAM  
Product Specification : 6m  
Manufacturer : ANHUI HAODING METAL PRODUCT LIMITED COMPANY  
Material : Q355B

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 : 2025-10-10  
Testing Period : 2025-10-10 ~ 2025-10-17  
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..

Xander Yang

Authorized signatory



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## Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Loading Test	Provided by Client	See Result	Pass

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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Test Item: Loading Test

Test Method: Provided by Client

Test Condition:

Specimen:  $\Phi 48.3\text{mm} \times 3.6\text{mm} \times 6000\text{mm} \times 350\text{mm}$  (Diameter×Wall thickness×Length×Width) , 1pc

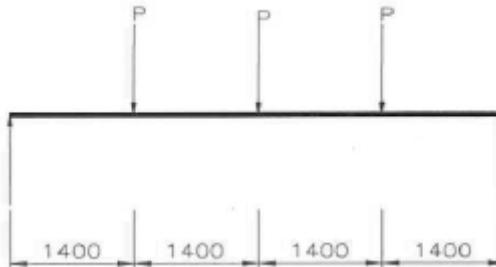
Support span L: 5600mm

Load block size: 100mm×100mm (Length×Width)

Test rate: 200N/s

Test Procedure:

- 1) Fix the specimen as requirement by client, using two support blocks to support the specimen with a span of 5600mm. The support system consists of two pairs of  $\Phi 48.3\text{mm}$  steel pipes to prevent lateral deformation during the testing process.
- 2) Gradually apply 3-point uniformly distributed load by 3 load blocks until failure occur.
- 3) Record the maximum load and check the specimen status.



Test Arrangement



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## Test Result:

Test Item	Test Result	Client's Requirement	Conclusion
Loading Test	$F_{max}=46.95kN$ , $M_{max}=131.46kNm$ , the specimen was broken.	$M \geq 27.89kNm$	Pass

## Note:

- 1) The weight of the loading beams is 72.35kg(0.71kN), the device displays peak values is 46.24kN, the maximum load includes the weight of loading beams.
- 2) Maximum positive moment  $M_{max}=a \times F_{max} \times L=0.5 \times 46.95kN \times 5.6m=131.46kNm$

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Test Photo(s):



This test report updates home page information, supersedes the test report No.

SHIN2510002641CM09\_EN dated Oct 21st, 2025, original report will be invalid from today.

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.

Unless otherwise stated, this report provides a declaration of conformity according to whether the test results are within the specified limits or specifications without considering the measurement uncertainty.

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



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