

TEST REPORT

No. : SHIN2510002641CM09-1_EN

Date : 2025-10-22

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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

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 \times Wall thickness \times Length \times Width) , 1pc

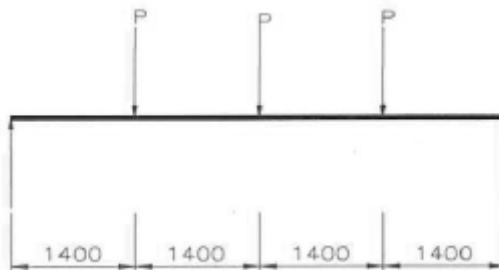
Support span L: 5600mm

Load block size: 100mm \times 100mm (Length \times 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	$F_{\max}=46.95\text{kN}$, $M_{\max}=131.46\text{kNm}$, the specimen was broken.	$M\geq 27.89\text{kNm}$	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 $M_{\max}=a\times F_{\max}\times L=0.5\times 46.95\text{kN}\times 5.6\text{m}=131.46\text{kNm}$



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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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