

TEST REPORT

No. : SHIN2510002641CM04_EN

Date : 2025-10-27

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SHIN2510002641CM04
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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 : CANTILEVER BEAM COUPLER

Product Specification : 48.3mm

Manufacturer : ANHUI HAODING METAL PRODUCT LIMITED COMPANY

Material : Q235B

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 ~ 2025-10-27

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..

Xander Yang

Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Strength Test	AS/NZS 1576.2:2016 Appendix L	See Result	Pass
2	Slip Test Along Tube	AS/NZS 1576.2:2016 Appendix M	See Result	Pass
3	Slip Test along Flange	AS/NZS 1576.2:2016 Appendix N	See Result	Pass

Note: Pass : Meet the requirements;

Fail : Does not meet the requirements;

N/A : Not Apply to the judgment.

Original Sample Photo(s):



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1. Test Item: Strength Test

Test Method: AS/NZS 1576.2:2016 Appendix L

Test Condition:

Specimen: Flange clamp, 12pcs

Test Results:

Test Item	Test Result	Requirement in AS/NZS 1576.2:2016 Clause 4.7	Conclusion
Strength Test	P=30.0kN, neither flange clamp showed any permanent set	P=30.0kN, neither flange clamp shall show any permanent set	Pass

Note:

1. Specification of tube for test: Steel tube of $\Phi 48.3\text{mm} \times 4.0\text{mm}$ (wall thickness)
2. Please see Annex A for details of test results.

Annex A Detail of test results

Test Item	Strength Test
Requirement	P=30.0kN, neither flange clamp shall show any permanent set.
Test results Specimen No.	—
1, 2	Neither clamp showed any permanent set.
3, 4	Neither clamp showed any permanent set.
5, 6	Neither clamp showed any permanent set.
7, 8	Neither clamp showed any permanent set.
9, 10	Neither clamp showed any permanent set.
11, 12	Neither clamp showed any permanent set.
Conclusion	Pass

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2. Test Item: Slip Test Along Tube

Test Method: AS/NZS 1576.2:2016 Appendix M

Test Condition:

Specimen: Flange clamp, 12pcs

Test Results:

Test Item	Test Result	Requirement in AS/NZS 1576.2:2016 Clause 4.7	Conclusion
Slip Test Along Tube	P=12.5kN, Slippage<6mm	P=12.5kN, Slippage ≤ 6mm	Pass

Note:

1. Specification of tube for test: Steel tube of $\Phi 48.3\text{mm} \times 4.0\text{mm}$ (wall thickness)
2. Please see Annex B for details of test results.

Annex B Detail of test results

Test Item	Slip Test Along Tube
Requirement	P=12.5kN, Slippage ≤ 6mm
Test results Sample No.	Slippage (mm)
13, 14	0.02
15, 16	0.01
17, 18	0.03
19, 20	0.02
21, 22	0.03
23, 24	0.01
Conclusion	Pass

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3. Test Item: Slip Test along Flange

Test Method: AS/NZS 1576.2:2016 Appendix N

Test Condition:

Specimen: Flange clamp, 12pcs

Test Results:

Test Item	Test Result	Requirement in AS/NZS 1576.2:2016 Clause 4.7	Conclusion
Slip Test along Flange	P=12.5kN, Slippage<6mm	P=12.5kN, Slippage ≤ 6mm	Pass

Note:

1. Specification of tube for test: Steel tube of $\Phi 48.3\text{mm} \times 4.0\text{mm}$ (wall thickness)
2. Please see Annex C for details of test results.

Annex C Detail of test results

Test Item	Slip Test along Flange
Requirement	P=12.5kN, Slippage ≤ 6mm
Test results	Slippage (mm)
Sample No.	
25	1.24
26	0.82
27	0.56
28	0.73
29	0.85
30	0.64
31	1.07
32	0.92
33	1.13
34	0.71

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35	0.52
36	0.93
Conclusion	Pass

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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