

TEST REPORT

No. : SHIN2406001428CM03_EN

Date : 2024-07-08

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Scan to see the report


 SHIN2406001428CM03
 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 : SLEEVE COUPLER
 Product Specification : 48.3MM
 Manufacturer : ANHUI HAODING METAL PRODUCT LIMITED COMPANY
 Buyer : Sinoma (Handan) Construction Co., Ltd.

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 : 2024-06-19
 Testing Period : 2024-06-19 ~ 2024-07-05
 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..



王支援
 Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Slipping Force	EN 74-1:2022 Clause 7.2.1	See Result	Pass
2	Bending Moment	EN 74-1:2022 Clause 7.4.3	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):



View 1

View 2

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1. Test Item: Slipping Force

Test Method: EN 74-1:2022 Clause 7.2.1

Test Condition:

Specimen: Sleeve coupler, Class B, 10pcs

Test Results:

Test Item	Test Result	Requirement in EN 74-1:2022 Table8	Conclusion
Slipping Force	$F_s=11.5\text{kN}$	$1\text{mm} \leq \Delta_2 \leq 2\text{mm}$, $F_{s,5\%} \geq 9.0\text{kN}$	Pass

Note:

- 1) $F_{s,5\%}$: the 5% quantile for the 75% level of confidence.
- 2) Specification of tube for slipping force: Steel tube of $\Phi 48.3\text{mm} \times 3.2\text{mm}$ (wall thickness)
- 3) Please see Annex A for details of test results.



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Annex A Details of Test Results

Specimen No.	F_s (kN, $1\text{mm} \leq \Delta_2 \leq 2\text{mm}$)
1	$F_s=12.48\text{kN}$
2	$F_s=18.0\text{kN}, \Delta_2 < 1\text{mm}$
3	$F_s=18.0\text{kN}, \Delta_2 < 1\text{mm}$
4	$F_s=18.0\text{kN}, \Delta_2 < 1\text{mm}$
5	$F_s=13.44\text{kN}$
6	$F_s=13.40\text{kN}$
7	$F_s=18.0\text{kN}, \Delta_2 < 1\text{mm}$
8	$F_s=18.0\text{kN}, \Delta_2 < 1\text{mm}$
9	$F_s=18.0\text{kN}, \Delta_2 < 1\text{mm}$
10	$F_s=18.0\text{kN}, \Delta_2 < 1\text{mm}$
$F_{s,5\%}$	11.5

Note: In accordance with EN 74-1:2022, the test can be ended when the test load reached twice the specified F_s given in Table 8 of EN 74-1:2022.



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2. Test Item: Bending Moment

Test Method: EN 74-1:2022 Clause 7.4.3

Test Condition:

Specimen: Sleeve coupler, Class B, 5pcs

Test Results:

Test Item	Test Result	Requirement in EN 74-1:2022 Table 8	Conclusion
Bending Moment	$M_B=2.8\text{ kNm}$, the specimen was unbroken	$M_{B,5\%}\geq 1.4\text{ kNm}$	Pass

Note:

- $M_{B,5\%}$: the 5% quantile for the 75% level of confidence.
- Specification of tube for bending Moment: Steel tube of $\Phi 48.3\text{mm} \times 4.0\text{mm}$ (wall thickness)
- Please see Annex B for details of test results.

Annex B Details of Test Results

Specimen No.	M_B (kNm)
11	$M_B=2.8\text{ kNm}$, the specimen was unbroken
12	$M_B=2.8\text{ kNm}$, the specimen was unbroken
13	$M_B=2.8\text{ kNm}$, the specimen was unbroken
14	$M_B=2.8\text{ kNm}$, the specimen was unbroken
15	$M_B=2.8\text{ kNm}$, the specimen was unbroken
$M_{B,5\%}$	-

Note: In accordance with EN 74-1:2022, the test can be ended when the test load reached twice the specified M_B given in Table 8 of EN 74-1:2022

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

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