TEST REPORT

No. : SHIN2503000511CM04_EN
Date : 2025-04-02
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SHIN2503000511CM04
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CUSTOMER NAME: NANJING EK METALWORK CO., LTD
ADDRESS: NO.2 GAOXIONG ROAD, LUHE DISTRICT, NANJING CITY, CHINA.

Sample Name : PRESSED SLEEVE COUPLER
Material : Ø48.3

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.

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Date of Receipt : 2025-03-13
Testing Period : 2025-03-13 ~ 2025-04-02
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:

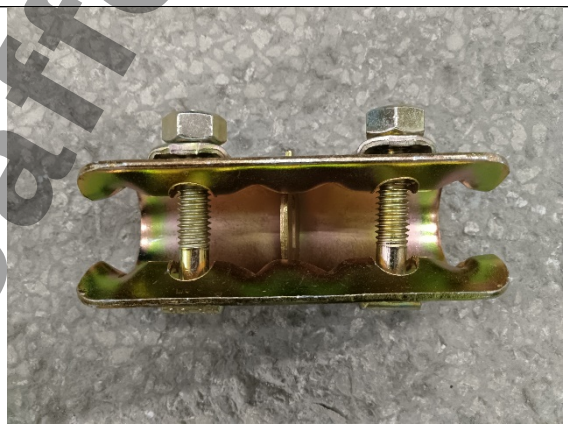
No.	Test Item	Test Method	Result	Conclusion
1	Slipping Force	EN 74-1:2022 Clause 7.2.1	See Result	Pass
2	Bending Moment	EN 74-1:2022 Clause 7.4.3	See Result	Pass

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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Date : 2025-04-02

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 Table 8	Conclusion
Slipping Force	F_s=18.0kN, $\triangle_2$＜1mm	1mm≤$\triangle_2$≤2mm, $F_{s,5\%}$ ≥9.0kN	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 Φ48.3mm ×3.2mm (wall thickness)
3) Please see Annex A for details of test results.

Annex A Details of Test Results

Slipping Force

Specimen No.	F_s (kN, 1mm≤$\triangle_2$≤2mm)
1	F_s=18.0kN, $\triangle_2$＜1mm
2	F_s=18.0kN, $\triangle_2$＜1mm
3	F_s=18.0kN, $\triangle_2$＜1mm
4	F_s=18.0kN, $\triangle_2$＜1mm
5	F_s=18.0kN, $\triangle_2$＜1mm
6	F_s=18.0kN, $\triangle_2$＜1mm
7	F_s=18.0kN, $\triangle_2$＜1mm
8	F_s=18.0kN, $\triangle_2$＜1mm
9	F_s=18.0kN, $\triangle_2$＜1mm
10	F_s=18.0kN, $\triangle_2$＜1mm
$F_{s,5\%}$	-

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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=2.8kNm, the specimen was unbroken	$M_{B,5\%}$≥1.4kNm	Pass

Note:

1) $M_{B,5\%}$: the 5% quantile for the 75% level of confidence.

2) Specification of tube for bending Moment: Steel tube of Φ48.3mm ×4.0mm (wall thickness)

3) Please see Annex B for details of test results.

Annex B Details of Test Results

Specimen No.	M_B (kNm)
11	M_B=2.8kNm, the specimen was unbroken
12	M_B=2.8kNm, the specimen was unbroken
13	M_B=2.8kNm, the specimen was unbroken
14	M_B=2.8kNm, the specimen was unbroken
15	M_B=2.8kNm, 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

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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