

## TEST REPORT

No. : SHIN2503000511CM04\_EN

Date : 2025-04-02

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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.

\*\*\*\*\*

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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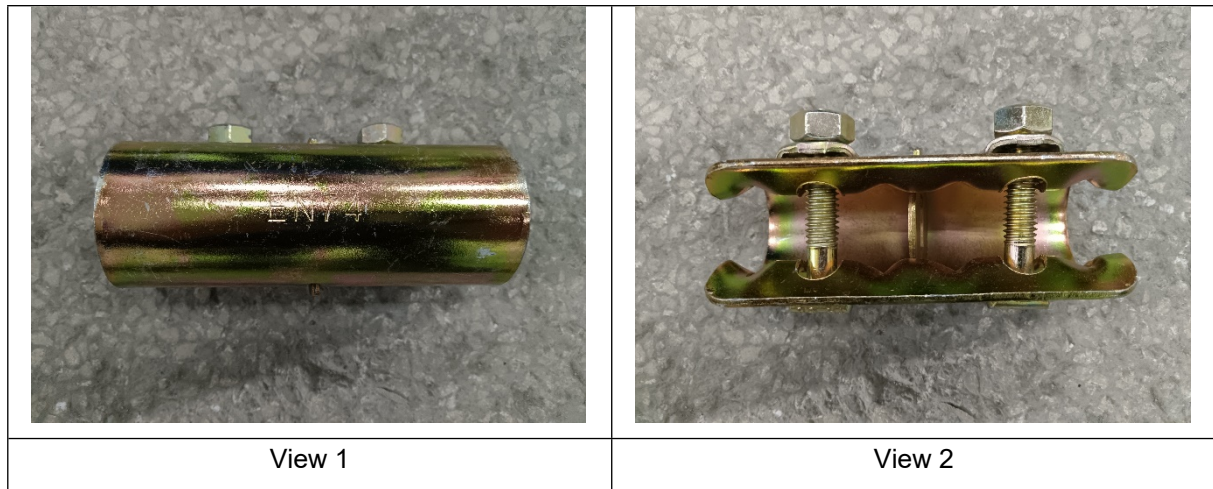
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### Summary of Results:

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):



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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 Table 8	Conclusion
Slipping Force	$F_s=18.0\text{kN}$ , $\Delta_2<1\text{mm}$	$1\text{mm}\leq\Delta_2\leq2\text{mm}$ , $F_{s,5\%}\geq9.0\text{kN}$	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.

### Annex A Details of Test Results

Slipping Force

Specimen No.	$F_s$ (kN, $1\text{mm}\leq\Delta_2\leq2\text{mm}$ )
1	$F_s=18.0\text{kN}$ , $\Delta_2<1\text{mm}$
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	$F_s=18.0\text{kN}$ , $\Delta_2<1\text{mm}$
6	$F_s=18.0\text{kN}$ , $\Delta_2<1\text{mm}$
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	$F_s=18.0\text{kN}$ , $\Delta_2<1\text{mm}$
$F_{s,5\%}$	-



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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:

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

### Annex B Details of Test Results

Specimen No.	$M_B$ (kNm)
11	$M_B=2.8\text{kNm}$ , 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

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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