

TEST REPORT

No. : SHIN2307000935CM01_EN

Date : 2023-08-08

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CUSTOMER NAME: TAIZHOU NEXUS METALWORK CO., LTD
ADDRESS: No.118 JIANGSHEN ROAD,WANZHONG INDUSTRY,JIANGYAN DISTRICT,TAIZHOU CITY,JIANGSU,PROVINCE,CHINA

The test results are copied from Report No.: SHIN2307000934CM01_EN dated: Aug. 04, 2023 issued by SGS.

Sample Name : SCAFFOLDING RIGHT ANGLE COUPLER
Product Specification : 48.3mm X 48.3mm
Product or Lot No. : 2306NX015

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 : 2023-07-12
Testing Period : 2023-07-12 ~ 2023-07-25
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..

Ziven Wang

Ziven Wang
Authorized signatory



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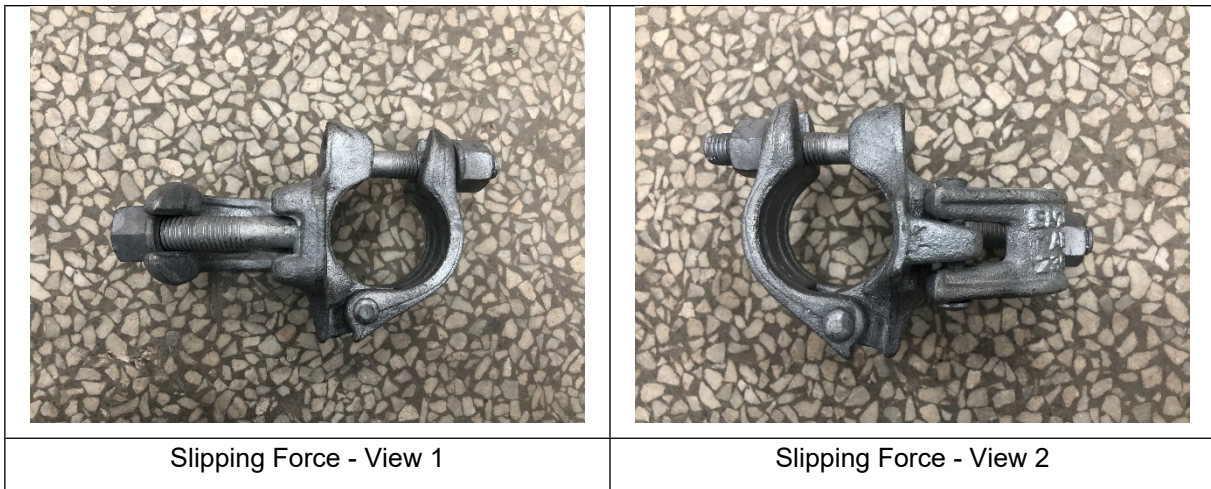
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Slipping Force	EN 74-1:2022 Clause 7.2.1	See Result	Pass
2	Failure Force	EN 74-1:2022 Clause 7.2.2	71.3kN	Pass

Note: Pass : Meet the requirements;
 Fail : Does not meet the requirements;
 / : Not Apply to the judgment.

Original Sample Photo(s):



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Failure Force - View 1



Failure Force - View 2



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1. Test Item: Slipping Force

Test Method: EN 74-1:2022 Clause 7.2.1

Test Condition:

Specimen: Right angle coupler, Class B, 10pcs

Test Results:

Test Item	Test Result	Requirement in EN 74-1:2022 Table 8	Conclusion
Slipping Force	$\Delta_1 \leq 7\text{mm}$, $F_{s,5\%} = 18.6\text{kN}$	$\Delta_1 \leq 7\text{mm}$, $F_{s,5\%} \geq 10.0\text{kN}$	Pass
	$1\text{mm} \leq \Delta_2 \leq 2\text{mm}$, $F_{s,5\%} = 18.9\text{kN}$	$1\text{mm} \leq \Delta_2 \leq 2\text{mm}$, $F_{s,5\%} \geq 15.0\text{kN}$	

Note:

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



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Annex A Details of Test Results

Specimen No.	F_s (kN, $\Delta_1=7\text{mm}$)	F_s (kN, $1\text{mm}\leq\Delta_2\leq 2\text{mm}$)
1	20.32	18.84
2	* $F_s = 30\text{kN}$, $\Delta_1 < 7\text{mm}$	* $F_s = 30\text{kN}$, $\Delta_2 < 1\text{mm}$
3	22.49	18.25
4	26.50	28.46
5	25.96	28.03
6	20.49	17.88
7	21.28	16.99
8	22.93	21.00
9	19.40	18.12
10	17.23	14.85
$F_{s,5\%}$	18.6	18.9

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. The result of $F_{s,5\%}$ is the statistical result of the other 9 specimens.

Test Photo(s):



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2. Test Item: Failure Force

Test Method: EN 74-1:2022 Clause 7.2.2

Test Condition:

Specimen: Right angle coupler, Class BB, 5pcs

Test Results:

Right angle coupler:

Test Item	Test Result	Requirement in EN 74-1:2022 Table 8	Conclusion
Failure Force	$F_{f,5\%}/\gamma R2=71.3\text{kN}$	$F_{f,5\%}/\gamma R2 \geq 45.0\text{kN}$	Pass

Note:

1. $F_{f,5\%}$: the 5% quantile for the 75% level of confidence.
2. $\gamma R2=1.25$ according to EN 74-1.
3. Specification of steel bar for failure force: Steel bar of $\Phi 48.3\text{mm}$.
4. Please see Annex B for details of test results.

Annex B Details of Test Results

Specimen No.	F_f (kN)
11	100.86
12	103.64
13	94.51
14	94.53
15	99.55
$F_{f,5\%}/\gamma R2$	71.3



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Test Photo(s):



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



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