

## TEST REPORT

No. : SHIN2307000935CM02\_EN

Date : 2023-08-08

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scan to see the report



SHIN2307000935CM02

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.: SHIN2307000934CM02\_EN dated: Aug. 04, 2023 issued by SGS.

Sample Name : SCAFFOLDING SWIVEL 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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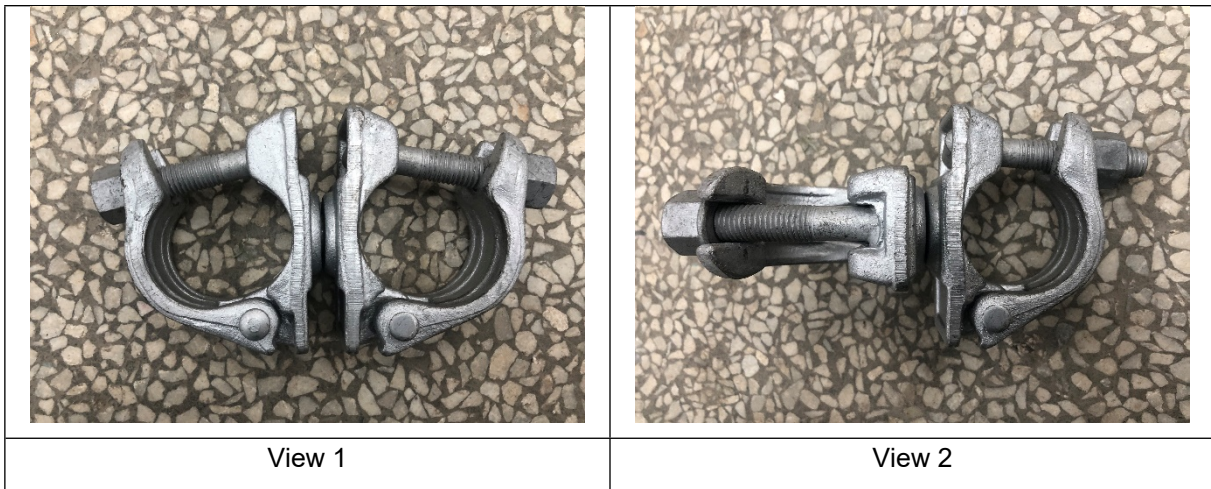
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Failure Force	EN 74-1:2022 Clause 7.2.1	See Result	Pass
	Slipping Force	EN 74-1:2022 Clause 7.2.2	34.5kN	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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1. Test Item: Slipping Force

Test Method: EN 74-1:2022 Clause 7.2.1

Test Condition:

Specimen: Swivel coupler, Class B, 10pcs

Test Results:

Test Item	Test Result	Requirement in EN 74-1:2022 Table 8	Conclusion
Slipping Force	$\Delta_1 \leq 7\text{mm}$ , $F_{s,5\%} = 10.5\text{kN}$	$\Delta_1 \leq 7\text{mm}$ , $F_{s,5\%} \geq 10.0\text{kN}$	Pass
	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$	$1\text{mm} \leq \Delta_2 \leq 2\text{mm}$ , $F_{s,5\%} \geq 15.0\text{kN}$	

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	11.91	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
2	14.71	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
3	12.07	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
4	14.38	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
5	14.81	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
6	13.55	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
7	10.61	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
8	14.01	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
9	12.79	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
10	14.51	$F_s = 30\text{kN}$ , $\Delta_2 < 1\text{mm}$
$F_{s,5\%}$	10.5	/

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: Swivel coupler, Class B, 5pcs

Test Results:

Test Item	Test Result	Requirement in EN 74-1:2022 Table 8	Conclusion
Failure Force	$F_{f,5\%}/\gamma R2=34.5\text{kN}$	$F_{f,5\%}/\gamma R2 \geq 20.0\text{kN}$	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	48.77
12	49.86
13	59.08
14	57.53
15	59.65
$F_{f,5\%}/\gamma R2$	34.5



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Test Photo(s):



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



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