

No.: GZIN2007038437CM

Date: Aug 20, 2020

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CUSTOMER NAME: SAUDI SCAFFOLDING FACTORY

ADDRESS: ABT BLDG., SALAHUDDIN AYYOUBI STREET AI-BUSTAN DISTRICT,

OPP. AI NASEEM VILLAGE COMPOUND OFF KHOBAR-DAMMAM

EXPRESSWAY, KINGDOM OF SAUDI ARABIA

Sample Name : SF SWIVEL COUPLER DF

72000115

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.

SGS Ref. No. : ITI-2020-DLI-0036

Date of Receipt : Jul 27, 2020

Testing Start Date : Jul 27, 2020

Testing End Date : Aug 14, 2020

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 Co., Ltd. GZ Branch Testing Center

Tobby Yang

Authorized signatory





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Summary of Results:

| No. | Test Item | Test Method | Result | Conclusion |
|-----|----------------|--------------|------------|------------|
| 1 | Slipping Force | EN 74-1:2005 | See Result | Pass |
| 2 | Failure Force | EN 74-1:2005 | See Result | Pass |

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

/: Not Apply to the judgment.

Original Sample Photo(s):





View 1

View 2



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Test Item: Slipping Force, Failure Force

Test Method: EN 74-1:2005

Sample Description: See photos

Test Condition:

Specimen: Swivel coupler, Class B, 15pcs

Test Results:

| Test | Test Item | Test Requirement | Test Result | Conclusion |
|--------|----------------|-----------------------------------|-----------------------------------|------------|
| Clause | i est item | (Swivel coupler, Class B) | rest Result | Conclusion |
| | | ∆₁≤7mm, F _{s,5%} ≥10.0kN | ∆₁≤7mm, F _{s,5%} =10.6kN | |
| 7.2.1 | Slipping force | 1mm≤∆₂≤2mm, F _{s,5%} | F_s =30kN, \triangle_2 <1mm | Pass |
| | | ≥15.0kN | 13 001111, 22 1111111 | |
| 7.2.2 | Failure force | F _{f,5%} /γR2 ≥20.0kN | F _{f,5%} /γR2=24.4kN | Pass |

Note:

- 1. $F_{s,5\%}$, $F_{f,5\%}$: the 5% quantile for the 75% level of confidence.
- 2. γR2=1.25 according to EN 74-1.
- 3. Specification of tube for slipping force: Steel tube of Φ48.3mm x3.2mm (wall thickness) Specification of steel bar for failure force: Steel bar of Φ48.3mm.
- 4. Please see Annex A for details of test results.



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Annex A Details of test results

1. Slipping force

| Sample No. | F_s (kN, \triangle_1 =7mm) | F₅ (kN, 1mm≤∆₂≤2mm) |
|-------------------|--------------------------------|--|
| 1 | 11.87 | F_s =30kN, \triangle_2 <1mm |
| 2 | 11.64 | F_s =30kN, \triangle_2 <1mm |
| 3 | 12.75 | F_s =30kN, \triangle_2 <1mm |
| 4 | 12.81 | F _s =30kN, \triangle_2 <1mm |
| 5 | 12.99 | F_s =30kN, \triangle_2 <1mm |
| 6 | 10.50 | F₅=30kN, △₂<1mm |
| 7 | 12.79 | F_s =30kN, \triangle_2 <1mm |
| 8 | 12.14 | F_s =30kN, \triangle_2 <1mm |
| 9 | 11.79 | F _s =30kN, \triangle_2 <1mm |
| 10 | 12.08 | F_s =30kN, \triangle_2 <1mm |
| F _{s,5%} | 10.6 | |

Note: In accordance with EN 74-1:2005, the test can be ended when the test load reached twice the specified F_s given in Table 8 of EN 74-1:2005.

2. Failure force

| Sample No. | F _f (kN) |
|------------------------|---------------------|
| 11 | 38.45 |
| 12 | 39.46 |
| 13 | 48.26 |
| 14 | 35.44 |
| 15 | 42.06 |
| F _{f,5%} /γR2 | 24.4 |



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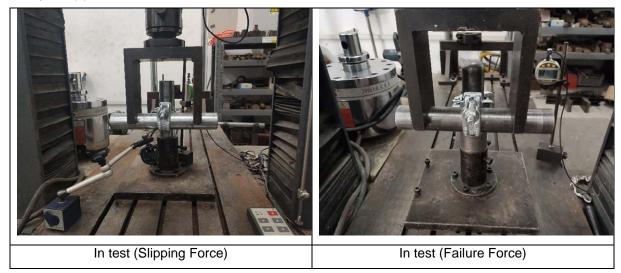


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Test photo(s):



Appendix information: The above test was carried out by SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

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

