

TEST REPORT

No. : SHCCM131202624

Date : Jan. 06, 2014

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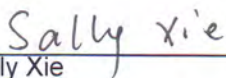
CORONET GROUP SUZHOU CO., LTD.
#1505 SIFC, SIP, SUZHOU, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : DOUBLE COUPLER
Sample Number : SHCCM131202624
Test Required : Please see the next page(s)
Test Method : EN 74-1:2005
Manufacturer : CORONET GROUP SUZHOU CO., LTD.
Material and Mark : Q235
Date of Receipt : Dec. 23, 2013
Test Period : Dec. 23, 2013 to Dec. 31, 2013
Test result(s) : For further details, please refer to the following page(s)

***** To be continued*****

Signed for SGS-CSTC Standards
Technical Services (Shanghai) Co., Ltd.


Sally Xie

Authorized signatory

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Test Conducted:

EN 74-1:2005 Couplers, spigot pins and baseplates for use in falsework and scaffolds – Part 1: Couplers for tubes – Requirements and test procedures

Test Results:

Test Clause	Test Item	Test Requirement (Right angle coupler, Class A)	Test Result	Verdict
7.2.1	Slipping force	$\Delta_1 \leq 7\text{mm}$, $F_{s,5\%} \geq 7.0\text{kN}$ and $1\text{mm} \leq \Delta_2 \leq 2\text{mm}$, $F_{s,5\%} \geq 10.0\text{kN}$	$\Delta_1 = 7\text{mm}$, $F_{s,5\%} = 10.7\text{kN}$ $1\text{mm} \leq \Delta_2 \leq 2\text{mm}$, $F_{s,5\%} = 10.7\text{kN}$	Pass
7.2.2	Failure force	$F_{f,5\%} / \gamma R2 \geq 20.0\text{kN}$	$F_{f,5\%} / \gamma R2 = 65.7\text{kN}$	Pass
7.3	Pull-apart force	$F_{p,5\%} / \gamma R2 \geq 20.0\text{kN}$	$F_{p,5\%} / \gamma R2 = 53.7\text{kN}$	Pass
7.5	Indentation	$F = 6.67\text{kN}$, $\Delta_{10} \leq 1.5\text{mm}$	$F = 10\text{kN}$, $\Delta_{10} < 1.5\text{mm}$	Pass

Note:

- $F_{s,5\%}$, $F_{f,5\%}$, $F_{p,5\%}$: the 5% quantile for the 75% level of confidence.
- $\gamma R2 = 1.25$ according to EN 74-1.
- Please see Annex A for details of test results.

***** To be continued*****

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Annex A Details of test results

1. Slipping force

Specimens	F_s (kN, $\Delta_1=7\text{mm}$)	F_s (kN, $1\text{mm}\leq\Delta_2\leq 2\text{mm}$)
No.1	12.69	13.12
No.2	12.77	12.60
No.3	15.85	16.24
No.4	11.08	11.27
No.5	14.33	15.28
No.6	12.19	12.22
No.7	13.24	13.26
No.8	15.67	16.03
No.9	14.23	14.27
No.10	13.77	13.89
$F_{s,5\%}$	10.7	10.7

2. Failure force

Specimens	F_f (kN)
No.1	89.25
No.2	88.79
No.3	93.23
No.4	84.90
No.5	89.61
$F_{f,5\%}/\gamma R2$	65.7

***** To be continued*****

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3. Pull-apart force

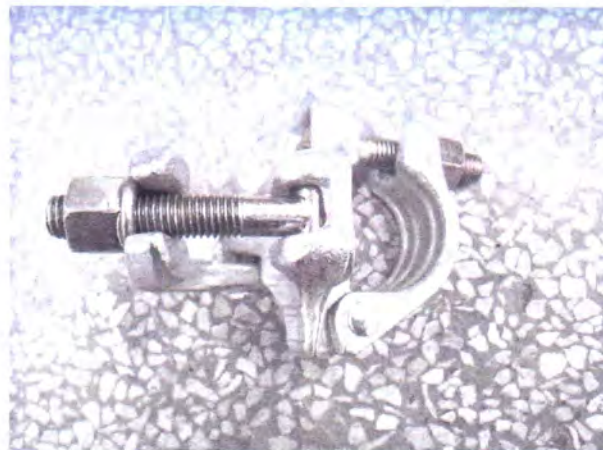
Specimens	F_p (kN)
No.1	71.96
No.2	70.66
No.3	75.53
No.4	72.01
No.5	70.17
$F_{p,5\%}/\gamma R2$	53.7

4. Indentation

Specimens	Δ_{10} (mm, F=10kN)
No.1	0.29
No.2	0.31
No.3	0.17
No.4	0.22
No.5	0.44

Statement: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Sample photo:



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

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