TEST REPORT

No. : SHCCM131202650
Date : Jan. 03, 2014
Page: 1 of 4

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	:	SWIVEL COUPLER
Sample Number	:	SHCCM131202650
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. 26, 2013
Test Period	:	Dec. 26, 2013 to Jan. 03, 2014
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

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center
No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319 t(86-21)61196300 f(86-21)61191853/68183920 www.sgsgroup.com.cn
中国・上海・浦东康桥东路1159弄69号 邮编:201319 t(86-21)61196300 f(86-21)61191853/68183920 e sgs.china@sgs.com

TEST REPORT

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 Result:

Test Clause	Test Item	Test Requirement (Swivel coupler, Class B)	Test Result	Verdict
7.2.1	Slipping force	$\triangle_1 \leq 7mm$, $F_{s,5\%} \geq 10.0kN$ and $1mm \leq \triangle_2 \leq 2mm$, $F_{s,5\%} \geq 15.0kN$	$\triangle_1 = 7mm$, $F_{s,5\%} = 11.1kN$; $F_s = 30.0kN$, $\triangle_2 < 1mm$	Pass
7.2.2	Failure force	$F_{f,5\%}/\gamma R2 \geq 20.0kN$	$F_{f,5\%}/\gamma R2 = 27.2kN$	Pass
7.5	Indentation	$F = 6.67kN$, $\triangle_{10} \leq 1.5mm$	$F = 6.67kN$, $\triangle_{10} < 1.5mm$	Pass

Note:

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

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

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center of Construction Material Laboratory
No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319 t (86-21) 61196300 f (86-21) 61191853/68183920 www.sgsgroup.com.cn
中国・上海・浦东康桥东路1159弄69号 邮编: 201319 t (86-21) 61196300 f (86-21) 61191853/68183920 e sgs.china@sgs.com

Annex A Detailed test results

1. Slipping force

Specimens	F_s (kN, $\triangle_1$=7mm)	F_s (kN, 1mm≤$\triangle_2$≤2mm)
No.1	12.50	*F_s =30.0kN, $\triangle_2$<1mm
No.2	11.27	*F_s =30.0kN, $\triangle_2$<1mm
No.3	12.74	*F_s =30.0kN, $\triangle_2$<1mm
No.4	12.82	*F_s =30.0kN, $\triangle_2$<1mm
No.5	11.30	*F_s =30.0kN, $\triangle_2$<1mm
No.6	12.61	*F_s =30.0kN, $\triangle_2$<1mm
No.7	12.32	*F_s =30.0kN, $\triangle_2$<1mm
No.8	13.12	*F_s =30.0kN, $\triangle_2$<1mm
No.9	12.29	*F_s =30.0kN, $\triangle_2$<1mm
No.10	12.13	*F_s =30.0kN, $\triangle_2$<1mm
$F_{s,5\%}$	11.1	*F_s =30.0kN, $\triangle_2$<1mm

*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

Specimens	F_f (kN)
No.1	42.05
No.2	40.28
No.3	44.80
No.4	36.77
No.5	44.59
$F_{f,5\%}/\gamma R2$	27.2

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

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center of Construction Material Laboratory
No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319 t(86-21)61196300 f(86-21)61191853/68183920 www.sgsgroup.com.cn
中国・上海・浦东康桥东路1159弄69号 邮编:201319 t(86-21)61196300 f(86-21)61191853/68183920 e sgs.china@sgs.com

3. Indentation

Specimens	$\triangle_{10}$ (mm, F=6.67kN)
No.1	0.13
No.2	0.07
No.3	0.17
No.4	0.15
No.5	0.09

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

Sample photo:

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

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center
No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319 t(86-21)61196300 f(86-21)61191853/68183920 www.sgsgroup.com.cn
中国·上海·浦东康桥东路1159弄69号 邮编:201319 t(86-21)61196300 f(86-21)61191853/68183920 e sgs.china@sgs.com