xjscaffold

SGS

TEST REPORT

CHANGSHA XIANGJIA METAL MATERIAL TRADING CO., LTD.
RM1605, MINGCHENG INTERNATIONAL BUILDING, RENMIN EAST RD., CHANGSHA, HUNAN

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

Sample Name	:	PRESSED ROLLING CLAMP
Sample Number	:	SHCCM160401241
SGS Ref No.	:	IN-TJ-5802-16138-04
Test Required	:	Please see the next page(s)
Test Standard	:	EN 74-1:2005
Product specification	:	48.3mm
Product or Lot No.	:	2016.04
Buyer	:	
Manufacturer	:	ADTO
Date of Receipt	:	Apr. 11, 2016
Test Period	:	Apr. 11, 2016 to Apr. 29, 2016
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.

Tiffany Liu
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 (Swivel coupler, Class A)	Test Result	Conclusion
7.2.1	Slipping force	$\Delta_1 \leq 7mm$, $F_{s,5\%} \geq 7.0kN$	$\Delta_1 \leq 7mm$, $F_{s,5\%}=8.7kN$	Pass
		$1mm \leq \Delta_2 \leq 2mm$, $F_{s,5\%} \geq 10.0kN$	$F_s=20.0kN$, $\Delta_2 \leq 1mm$	
7.2.2	Failure force	$F_{f,5\%}/\gamma R2 \geq 14.0kN$	$F_{f,5\%}/\gamma R2=22.1kN$	Pass
7.5	Indentation	$F=4.7kN$, $\Delta_{10} \leq 1.5mm$	$F=4.7kN$, $\Delta_{10}<1.5mm$	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. Specification of tube for slipping force: Steel tube of Φ48.3mm×3.2mm(wall thickness)
   Specification of tube for indentation: Steel tube of Φ48.3mm×2.9mm (wall thickness)
4. 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

Sample No.	F_s(kN, Δ_1=7mm)	F_s(kN, 1mm≤Δ_2≤2mm)
1#	10.75	*F_s=20.0kN, Δ_2<1mm
2#	10.92	*F_s=20.0kN, Δ_2<1mm
3#	9.39	*F_s=20.0kN, Δ_2<1mm
4#	10.28	*F_s=20.0kN, Δ_2<1mm
5#	11.05	*F_s=20.0kN, Δ_2<1mm
6#	10.07	*F_s=20.0kN, Δ_2<1mm
7#	12.73	*F_s=20.0kN, Δ_2<1mm
8#	9.54	*F_s=20.0kN, Δ_2<1mm
9#	10.58	*F_s=20.0kN, Δ_2<1mm
10#	10.16	*F_s=20.0kN, Δ_2<1mm
$F_{s,5\%}$	8.7	-

*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#	33.71
12#	36.64
13#	42.48
14#	44.53
15#	33.76
$F_{f,5\%}/\gamma R2$	22.1

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

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3. Indentation

Sample No.	Δ_{10}(mm, F=4.7kN)
16#	0.17
17#	0.08
18#	0.14
19#	0.22
20#	0.13

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

Sample photos:

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

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