TEST REPORT

No. : GZCCM140400318
Date : Apr. 17, 2014

GUANGZHOU SHUANGMA STEEL TEMPLATE CO.,LTD.
GUANGSHAN HIGHWAY, ZHONGXIN TOWN, ZENGCHENG CITY, GUANGZHOU

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

Sample Name	:	SCAFFOLDING ADJUSTABLE PROP
Material	:	STEEL
Spec.	:	Φ40-Φ48mm×2.0mm×1800-3200mm
SGS Ref. No.	:	GZIN1404004086ML, SHCCM140400682
Test Required	:	Selected test(s) as requested by applicant
Date of Receipt	:	Mar. 31, 2014
Test Period	:	Mar. 31, 2014 to Apr. 17, 2014

Test result(s) : For further details, please refer to the following page(s).

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

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co.,Ltd
Guangzhou Branch

May Huo
Engineer

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TEST REPORT

Test Information:

Sample description: See photo

1. Tensile test

Test Method: EN ISO 6892-1:2009

Test Result:

Test item	Tensile strength, Rm (MPa)	Yield strength, R_{eL} (MPa)	Percentage elongation after fracture, A_{50mm} (%)
Result-1	402	345	24.5
Result-2	394	325	26.0
Result-3	401	352	20.5
Result-4	447	355	21.5
Result-5	393	336	27.5
Result-6	392	328	24.0

2. Dimension test of length adjustment device (Unit: mm)

Test Method: EN 1065:1998

Test Result:

t_r	D_{ti}	d_1	d_p	D_i	D_m	l_w	D_c	D_e
1.96	51.28	47.07	11.81	41.08	54.65	2.32	0.73	0.64

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

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Where,

t_r The minimum wall thickness in the thread part, shall not less than 2.3mm,

D_{ti} Core diameter of tube section with the thread

d_1 Mean value of the inner diameter of tube section with the thread

d_p Pin diameter, shall not less than 13mm

D_i External diameter of inner tube

D_m Collar nut major thread diameter

l_w The width of supporting surface

D_c The bearing depth of the thread for a concentric configuration, shall not less than 0.5mm,

D_e The bearing depth of the thread for a eccentric configuration, shall not less than 0.01mm

3. Prop strength

Test Method: EN 1065:1998

Test Result:

Specimens	Failure load (kN)	Failure mode
1	15.3	Bent in the middle of the sample
2	11.6	Bent in the middle of the sample
3	10.5	Bent in the middle of the sample
4	10.2	Bent in the middle of the sample
5	10.4	Bent in the middle of the sample
6	10.4	Bent in the middle of the sample
7	11.8	Bent in the middle of the sample
8	9.3	Bent in the middle of the sample

Note: The sample was tested at the maximum extension of 3200mm.

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

SGS 检测专用章 Testing Service
SGS-CSTC Standards Technical Services Co.,Ltd. Guangzhou Branch

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4. The pin and its supports

Test Method: EN 1065:1998

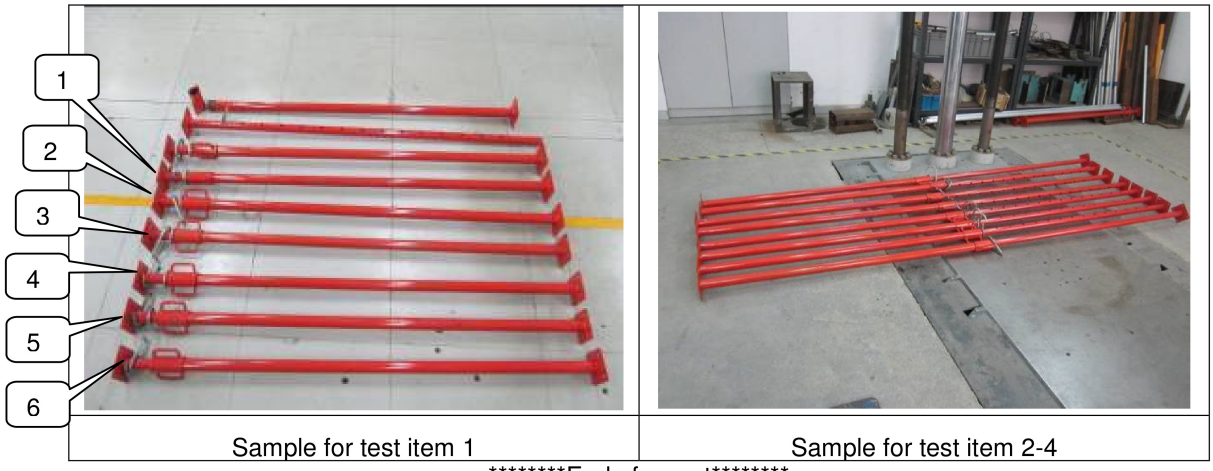
Test Result:

Sample No.	Failure load (kN)	Displacement (mm)
1	111.9	33.43
2	109.7	31.56

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

Note: Test item 2-4 were carried out by a SGS internal laboratory.

Photo:



Sample for test item 1 | Sample for test item 2-4

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

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