英特质工 ISQT

No. : ISQT190200190-E
Date : 2019-03-11

TEST REPORT

CUSTOMER NAME: RIZHAO FENGHUA SCAFFOLDINGS CO., LTD
ADDRESS: NO.8,JINMING RD,JUFENG,LANSHAN,RIZHAO,SHANGDONG,CHINA

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

Sample Name	:	RINGLOCK SCAFFOLDING SYSTEM
Product or Lot No.	:	B001
Test Item	:	Load Test; Dimension Measurement; Tensile Test; Compression Test of Basejack
Date of Receipt	:	2019-02-27
Testing Start Date	:	2019-02-27
Testing End Date	:	2019-03-08
Test result(s)	:	For further details, please refer to the following page(s)

Signed for and on behalf of
International Standard Quality
Technology(Qingdao) Co., Ltd.

Drafted by: Eve Wang Checked By: Roy Luo Authorized signatory: Gmi Li

青岛英特质量工程技术有限公司
青岛市城阳区裕亭路 61 号

International Standard Quality Technology(Qingdao) Co., Ltd.
No.61, Yuting Road, Chengyang District, Qingdao, China

International Standard Quality Technology(Qingdao) Co., Ltd. 青岛英特质量工程技术有限公司 英特质工 ISQT 检测专用章 Testing Service

TEST REPORT

1. Load Test:

Test Method: EN 12811-1:2003

Test position	Test item	Loading (kN)	Elastic deflection (mm)	Req.(1) (mm)	Con.
Working area	Uniformly distributed service load	9.54	12.07	It shall be capable of supporting the load	Pass
	Concentrated load over an area of 500mm×500mm	3.00	5.26	<1% of its span(2)	Pass
	Concentrated load over an area of 200mm×200mm	1.00	1.36	<1% of its span(2)	Pass
	Partial area load	7.90	9.64	It shall be capable of supporting the load	Pass
	Horizontal working load	0.30	0.20	It shall be capable of supporting the load	Pass
Side protection	Downward loading	1.25	1.12	It shall be capable of resisting the load	Pass
	Horizontal loading	0.3	0.61	≤35	Pass
	Upward loading	0.3	0.55	It shall be capable of resisting the load	Pass

Note: (1)The requirement is specified in EN 12811-1:2003.

(2)The dimension of scaffold is 2488mm×638mm.

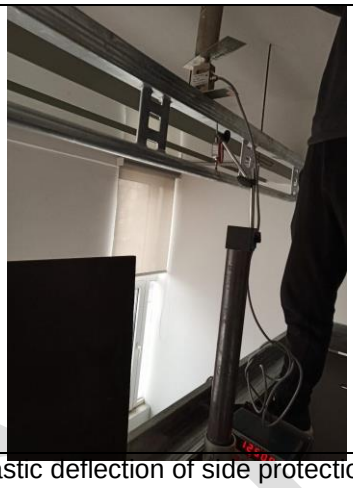
********To be continued********

TEST REPORT

	
Fig.1 Working area during the uniformly distributed service load	Fig.2 Working area during the concentrated load over an area of 500mm×500mm
	
Fig.3 Working area during the concentrated load over an area of 200mm×200mm	Fig.4 Working area during the partial area load

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

TEST REPORT

	
Fig.5 Elastic deflection of working area during the horizontal working load	Fig.6 Elastic deflection of side protection during the downward loading
	
Fig.7 Elastic deflection of side protection during the horizontal loading	Fig.8 Elastic deflection of side protection during the upward loading

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

TEST REPORT

2. Dimension Measurement:

Test equipment: Vernier caliper

Dimension	Sample	Result(mm)
Wall thickness	Stand tube	3.31
Wall thickness	Cross tube	3.30
Wall thickness	Diagonal draw tube	2.60

3. Tensile Test:

Test Method: EN ISO 6892-1:2016

Test item	Specimen	Tensile strength (R_m) (N/mm^2)	Yield strength (R_{eH}) (N/mm^2)	Elongation after fracture (A) (%) $L_0=5.65\sqrt{S_0}$ (mm)	Con.
Req.(1)	-	470-630	≥355	≥22	-
Stand tube	Tubular Strip specimen	532	451	26.0	Pass
Cross tube		554	436	26.5	Pass
Diagonal draw tube		488	405	26.0	Pass

Note: (1)The requirement is specified in GB/T 1591-2018 type Q355(t≤16mm).

4. Compression Test of Base jack:

Test Method: EN 12811-1:2003

Test item	Load(kN)	Result	Req.(1)	Con.
Compression test	84.60	No deformation	See note(2)	Pass

Note: (1) The requirement is specified in EN 12811-1:2003.

(2) The load on the base jack is 1/4 of allowed max. load of 32 floors plus body weight.

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

TEST REPORT

	
Fig.9 Scaffold base during test	Fig.10 Scaffold base after test

Sample photo:

Sample

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

青岛英特质量工程技术有限公司
青岛市城阳区裕亭路 61 号

International Standard Quality Technology(Qingdao) Co., Ltd.
No.61, Yuting Road, Chengyang District, Qingdao, China