

通标标准技术服务(上海)有限公司

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

直角扣件检测报告

Test Report of Double Coupler

委托单位: 安徽豪鼎金属制品有限公司

CUSTOMER NAME: ANHUI HAODING METAL PRODUCT LIMITED COMPANY

客户地址: 中国安徽省来安县汊河经济开发区高新路 32 号

ADDRESS: NO.32 GAOXIN ROAD, CHAHE ECONOMIC DEVELOPMENT ZONE, LAI' AN, ANHUI PROVINCE, CHINA

生产厂家: 安徽豪鼎金属制品有限公司

MANUFACTURER: ANHUI HAODING METAL PRODUCT LIMITED COMPANY

样品名称: 直角扣件

Sample Name: Double Coupler

委托编号 Application No.: W20240147

样品编号 Sample number: W20240151

材质 Material: /

规格 Specification: 48.3mm

测试方法: GB/T 15831-2023 钢管脚手架扣件 Steel tube scaffold coupler

检测日期 Testing Date: 2024-08-09~2024-08-12

报告日期 Issued Date: 2024-08-13

备注: 除另有特别说明外, 此报告结果仅对测试样品负责

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



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测试结果 Test result:

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN.Doccheck@sgs.com

序号 No.	测试项目 Test item	测试方法 Test method	结果 Test result	结论 Conclusion
1	抗滑 Slipping resistance	GB/T 15831-2023 & 6.7.1.1	见结果 See Result	符合 Pass
2	抗破坏 Failure force	GB/T 15831-2023 & 6.7.1.2	见结果 See Result	符合 Pass
3	扭转刚度 Torsional performance	GB/T 15831-2023 & 6.7.1.3	见结果 See Result	符合 Pass

备注: 详细测试数据见附录 A。

Note: Please see Annex A for details of test results.

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附录 A 详细测试数据

Annex A Details of test results

1. 测试项目 Test item: 抗滑 Slipping resistance

测试方法: GB/T 15831-2023 第 6.7.1.1 节

Test method: GB/T 15831-2023 Clause 6.7.1.1

测试条件 Test condition:

试样 Specimen: 直角扣件 Double coupler, 8pcs

测试结果 Test result:

测试项目 Test item	测试结果 Test result	GB/T 15831-2023 表 1 要求 Test Requirement of table 1 in GB/T 15831	结论 Conclusion
抗滑 Slipping resistance	P=7.0kN 时, $\Delta_1 \leq 7.00\text{mm}$ P=10.0kN 时, $\Delta_2 \leq 0.50\text{mm}$	P=7.0kN 时, $\Delta_1 \leq 7.00\text{mm}$ P=10.0kN 时, $\Delta_2 \leq 0.50\text{mm}$	符合 Pass

备注:

1. 测试用钢管规格 Tube in test: $\Phi 48.3\text{mm} \times 3.5\text{mm}$ (壁厚 wall thickness)
2. 详细测试数据见附录 A. See details in the Annex A.

附录 A 详细测试数据 Annex A Details of test results

样 品 编 号 Sample NO.	圆弧面 A Arc surface A		圆弧面 B Arc surface B	
	Δ_1 (mm, P=7.0kN)	Δ_2 (mm, P=10.0kN)	Δ_1 (mm, P=7.0kN)	Δ_2 (mm, P=10.0kN)
1	1.08	0.07	0.76	0.11
2	0.78	0.06	0.96	0.07
3	0.65	0.09	0.88	0.13
4	0.79	0.14	0.64	0.08
5	1.43	0.06	1.25	0.07
6	1.07	0.08	0.71	0.02

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7	0.69	0.08	0.85	0.09
8	0.74	0.11	0.79	0.13

2. 测试项目 Test item: 抗破坏 Failure force

测试方法: GB/T 15831-2023 第 6.7.1.2 节

Test method: GB/T 15831-2023 Clause 6.7.1.2

测试条件 Test condition:

试样 Specimen: 直角扣件 Double coupler, 8pcs

测试结果 Test result:

测试项目 Test item	测试结果 Test result	GB/T 15831-2023 表 1 要求 Test Requirement of table 1 in GB/T 15831	结论 Conclusion
抗破坏 Failure force	P=25.0kN 时, 各部位未破坏 P=25.0kN, No damage	P=25.0kN 时, 各部位不应有破坏 P=25.0kN, No damage	符合 Pass

备注:

1. 测试用钢管规格 Tube in test: Φ48.3mm×3.5mm (壁厚 wall thickness)

2. 详细测试数据见附录 B. See details in the Annex B

附录 B 详细测试数据 Annex B: Details of test results

样品编号 Sample No.	样品状态 Sample status (P=25.0kN)
9	未破坏 No damage
10	未破坏 No damage
11	未破坏 No damage
12	未破坏 No damage
13	未破坏 No damage
14	未破坏 No damage
15	未破坏 No damage
16	未破坏 No damage

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3. 测试项目 Test item: 扭转刚度 Torsional performance

测试方法: GB/T 15831-2023 第 6.7.1.3 节

Test method: GB/T 15831-2023 Clause 6.7 1.3

测试条件 Test condition:

试样 Specimen: 直角扣件 Double coupler, 8pcs

测试结果 Test result:

测试项目 Test item	测试结果 Test result	GB/T 15831-2023 表 1 要求 Test Requirement of table 1 in GB/T 15831	结论 Conclusion
扭转刚度 Torsional performance	扭力矩为 900 N·m 时, $f > 70.0\text{mm}$ Moment=900 Nm, f>70.0mm	扭力矩为 900 N·m 时, $f \leq 70.0\text{mm}$ Moment=900 Nm, f>70.0mm	符合 Pass

备注：

1. 测试用钢管规格 Tube in test: $\Phi 48.3\text{mm} \times 3.5\text{mm}$ (壁厚 wall thickness)
2. 详细测试数据见附录 C。See details in the Annex C.

附录 C 详细测试数据 Annex C: Details of test results

样品编 号 Sample No.	<i>f</i> (mm)								
	100N· m	200N·m	300N·m	400N·m	500N·m	600N·m	700N·m	800N·m	900N·m
17	3.81	6.29	12.59	20.16	29.62	37.95	48.41	56.91	65.66
18	4.17	9.57	16.74	26.35	33.07	41.68	48.54	55.86	62.72
19	3.87	12.86	22.12	30.78	38.43	45.57	52.86	60.47	69.57
20	2.17	8.23	16.60	25.29	32.06	40.76	47.86	55.75	63.91
21	2.51	10.45	16.93	25.56	32.36	39.59	47.91	55.85	63.41
22	1.85	8.46	17.64	26.55	35.73	42.53	50.62	58.33	65.54

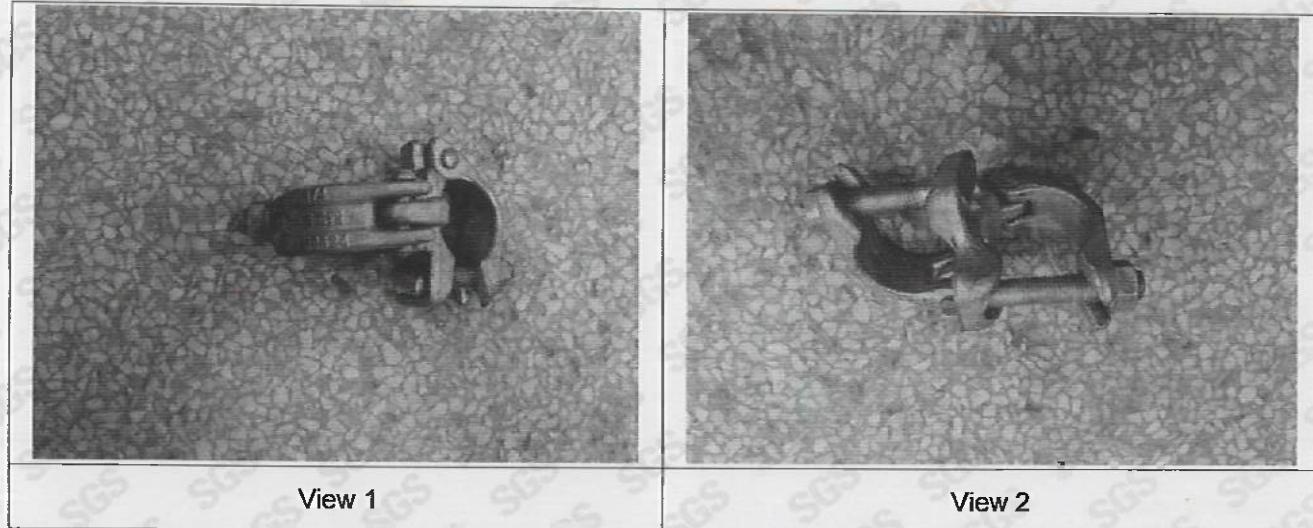
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23	1.48	6.11	15.60	25.69	34.60	43.37	50.78	58.53	65.88
24	2.42	7.28	12.76	19.88	27.27	34.67	42.32	49.26	57.16

样品照片 Sample photos: :



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

检测单位 (盖章)

Test institute (stamp):

批准

Approved By:



Check By:

检测

Test By:

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