

# TEST REPORT

No. : XMIN2004002555ML

Date : Apr 28, 2020

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CUSTOMER NAME: XIAMEN KESHENG METAL TECH CO.,LTD  
 ADDRESS: 6F-601, HUIXIN FINANCIAL BLDG, NO.891, FANGHU NORTH 2<sup>ND</sup>  
 RD, HULI DIST, XIAMEN, 361000, FUJIAN, CHINA

Sample Name : SPIRAL PILE  
 Product Specification : Φ76 T3  
 Material and Mark : Q235B

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

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SGS Ref. No. : GZIN2004016269ML  
 Date of Receipt : Apr 16, 2020  
 Testing Start Date : Apr 16, 2020  
 Testing End Date : Apr 23, 2020  
 Test result(s) : For further details, please refer to the following page(s)  
 (Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
 SGS-CSTC Standards Technical  
 Services Co., Ltd Xiamen Branch  
 Testing Center



Hank Li  
 Authorized signatory



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### 1. Macroscopic Examination:

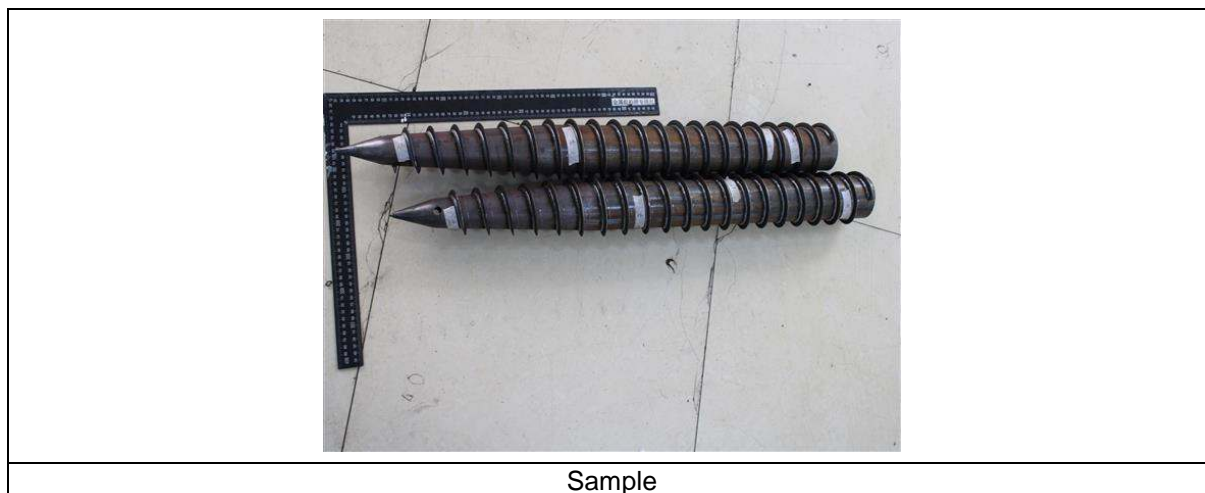
Test Method: ISO 17639:2003

Etchant: 10% Nital

Specimen No.		Cracks	Porosity	Inclusion	Lack of fusion	Lack of penetration
Requirement according to ISO 5817:2014 level B		Not permitted	$d \leq 0.2a$ , but max. 3mm	$h \leq 0.2a$ , but max. 2mm	Not permitted	Not permitted
1#	A	No	No	No	No	No
	B	No	No	No	No	No
	C	No	No	No	No	No
2#	A	No	No	No	No	No
	B	No	No	No	No	No
	C	No	No	No	No	No

Note: "No" means that no defects were observed;

Test Photo:



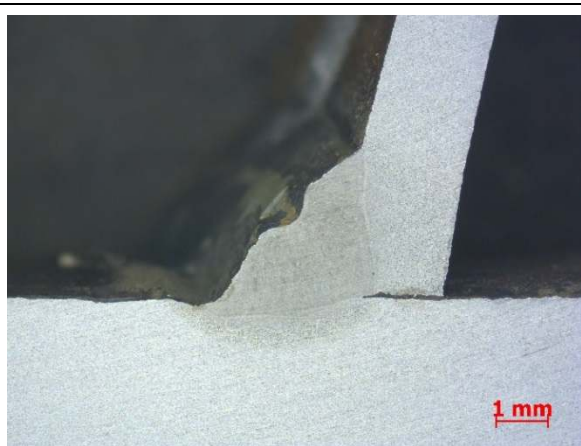
Sample

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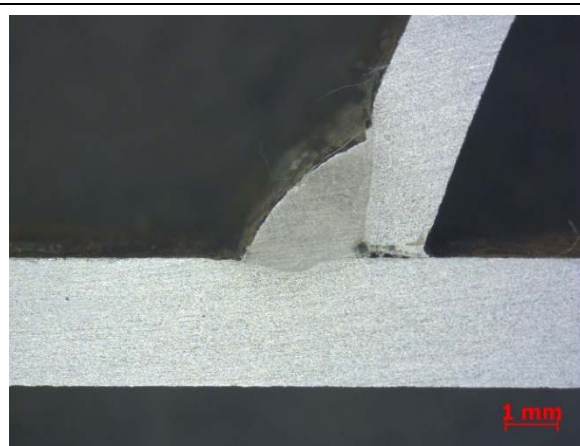
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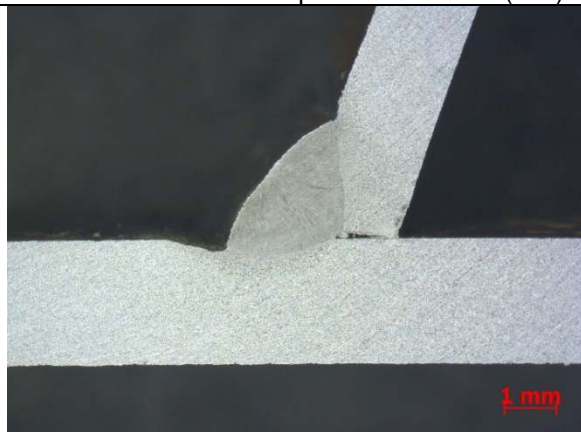
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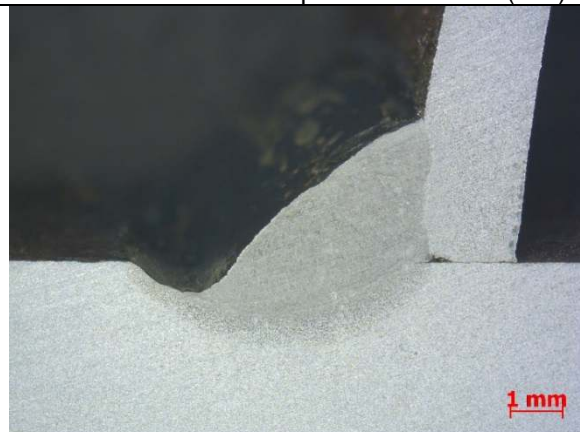
Macro examination of specimen No.1#-A(10x)



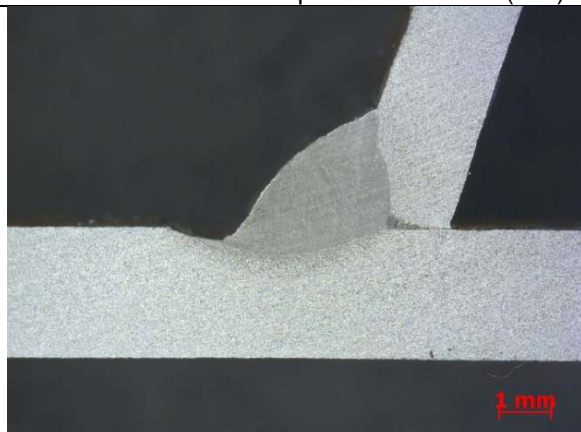
Macro examination of specimen No.1#-B(10x)



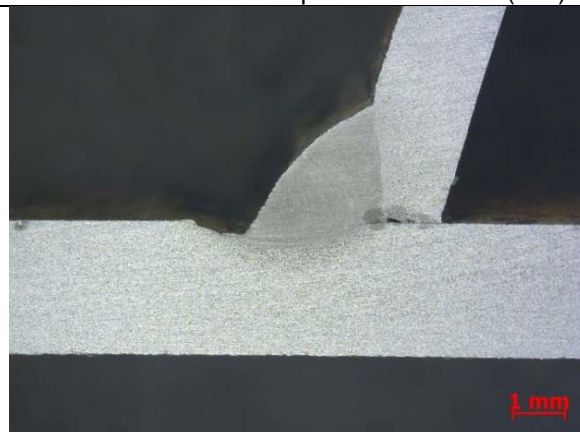
Macro examination of specimen No.1#-C(10x)



Macro examination of specimen No.2#-A(10x)



Macro examination of specimen No.2#-B(10x)



Macro examination of specimen No.2#-C(10x)



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### 2. Torsional Test:

Test Method: Per client's requirement

Step 1. Fix the sample on the test equipment, please see the test photos;

Step 2. Apply the torque to the specimen at the rate of 1.44 ° /min until it was broken;

Step 3. Check the state of sample after test and record the torque.

Sample	Torque (N•m)	State of sample after test
1	1990 (Reach the limit of the testing machine)	No obvious deformation, No obvious crack on the weld.
2	1990 (Reach the limit of the testing machine)	No obvious deformation, No obvious crack on the weld.

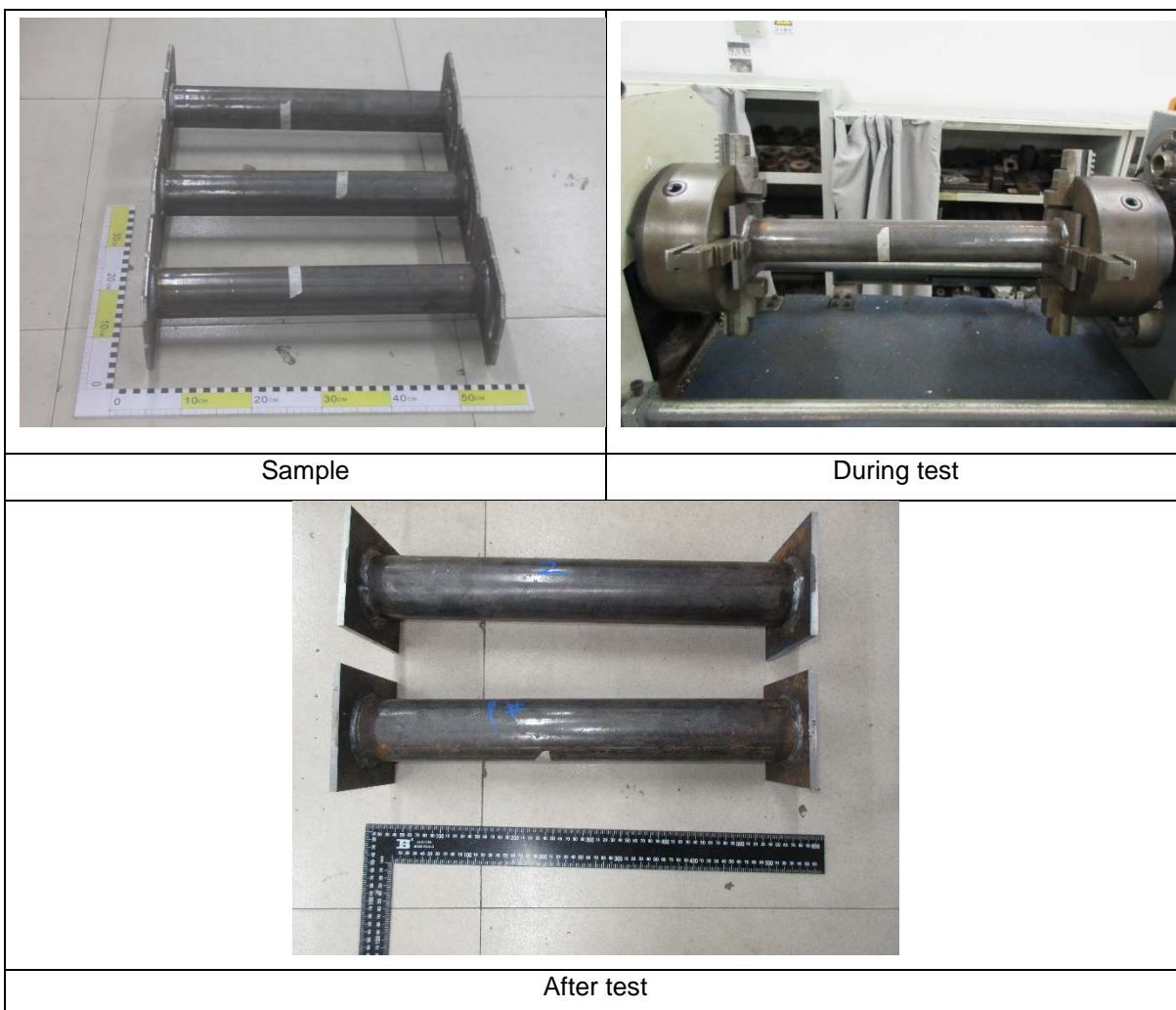
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Photos:



Note: Test item 2 was carried out by SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.

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