



TEST REPORT

No. : SHCCM151103697

Date : Dec. 02, 2015

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TANCHOR CHANNELS CO., LTD.
3F, BUILDING 3, NO.1221, YAN-AN XI RD, SHANGHAI

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

Sample Name : TANCHOR CAST-IN CHANNEL
Sample Number : SHCCM151103697
Test Required : Please see the next page(s)
Test Method : Please see the next page(s)
Product specification : HBC52/26 300 length
Product or Lot No. : Hot rolled
Manufacturer : TANCHOR CHANNELS CO., LTD.
Material and Mark : Q235B
Date of Receipt : Nov. 19, 2015
Test Period : Nov. 19, 2015 to Dec. 02, 2015
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.

Joyce Li

Joyce Li
Authorized signatory



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Brief Introduction:

Tanchor Channels Co., Ltd consigns SGS-CSTC Standard Technical Services (Shanghai) Co., Ltd. to test the shear loading of Tanchor Cast-in Channel. The embedment of the sample and the mold of the concrete are done by consigner. The Compressive strength of the embedment concrete is also needed to be tested by SGS-CSTC Standard Technical Services (Shanghai) Co., Ltd.

The dimension of the embedment concrete: 400mm×330mm×300mm (Length×Width×Height)

I. Compressive strength of concrete (28d)

Test method: With reference to ASTM C39/C39M-2015a and client's requirement

Test result:

Sample No.	Test result (MPa)	Average strength (MPa)
1	50.4	52.9
2	53.6	
3	54.7	
Remark	Sample dimensions: 100mm×100mm×100mm	

Note: The mold of the concrete was done by the client.

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



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II. Shear test

With reference to BS 5080-2:1986(R2013) Method of test for Structural fixings in concrete and masonry-Part 2: Method for determination of resistance to loading in shear and client's requirement

Test result:

Sample No.	Client's requirement	Maximum test load	Failure mode
1	The shear test can be ended when the shear load reaches 150kN.	150kN	The channel showed lightly deformation when the load reached 150kN and the T-bolt showed no structural change.
2		140.8kN	Concrete was broken. The channel showed visible deformation.
3		150kN	The channel showed lightly deformation when the load reached 150kN and the T-bolt showed no structural change.

Note: The specification of T bolt in test is M16

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

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



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Sample drawing and photo:



Compressive strength of concrete

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



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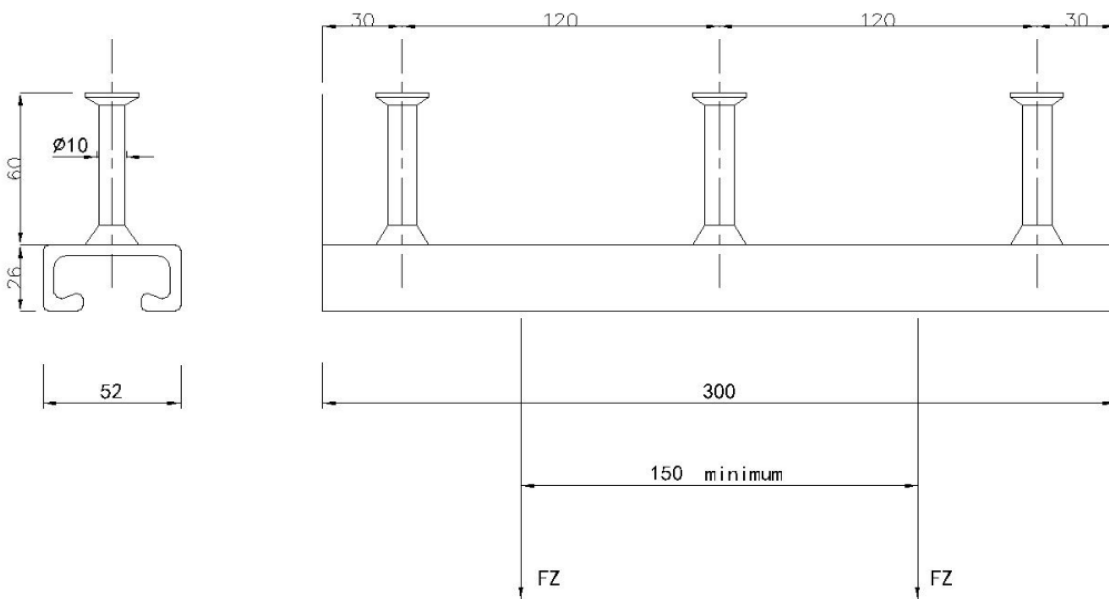
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Shear test



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Test photos:



Before test



The sample No.1 After test



The sample No.2 After test



The sample No.3 After test

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