



<b>Prüfbericht - Nr.:</b> 16037779 004a <i>Test Report No.:</i>		<b>Seite 1 von 5</b> <i>Page 1 of 5</i>	
<b>Auftraggeber:</b> <i>Client:</i> <span style="font-size: 2em; font-weight: bold; display: inline-block; vertical-align: middle;">CONFIDENTIAL</span>			
<b>Gegenstand der Prüfung:</b> Truss, model: WCX 40 <i>Test item:</i>			
<b>Bezeichnung:</b> <i>Identification:</i>	Refer to Page 3	<b>Serien-Nr.:</b> <i>Serial No.:</i>	N/A
<b>Wareneingangs-Nr.:</b> <i>Receipt No.:</i>	Samples tested as received	<b>Eingangsdatum:</b> <i>Date of receipt:</i>	Dec. 21-22, 2011
<b>Prüfart:</b> <i>Testing location:</i>	TÜV Rheinland (Guangdong) Ltd. No. 199 Kezhu Road, Guangzhou Science City, Guangzhou 510663, P.R. China		
<b>Prüfgrundlage:</b> <i>Test specification:</i>	Test according to requirements of client.		
<b>Prüfresultat:</b> <i>Test Result:</i>	Refer to the test result pages		
<b>Prüflaboratorium:</b> <i>Testing Laboratory:</i>	TÜV Rheinland(Guangdong) Ltd		
<b>geprüft/ tested by:</b>		<b>kontrolliert/ reviewed by:</b>	
Jan. 09, 2012 Louie Gu/PE 		09. Jan. 2012 Shaobo Chen/Reviewer 	
<b>Datum</b> <i>Date</i>	<b>Name/Stellung</b> <i>Name/Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>
			<b>Name/Stellung</b> <i>Name/Position</i>
			<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges/ Other Aspects:</b>			
Test date: Dec. 21-22, 2011 Project No.: 173063914			
<b>Abkürzungen:</b>		<b>Abbreviations:</b>	
P(ass) = entspricht Prüfgrundlage	F(ail) = entspricht nicht Prüfgrundlage	P(ass) = passed	F(ail) = failed
N/A = nicht anwendbar	N/T = nicht getestet	N/A = not applicable	N/T = not tested
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>			
<i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>			

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**Verwendete Meßgeräte/Prüfmittel / Measuring Equipment List**

<b>Gerät</b> <i>Equipment</i>	<b>Inventar-Nr.</b> <i>Inventory no.</i>	<b>nächste Kalibrierung</b> <i>next calibration</i>
<b>Electrical balance</b>	<b>1.041F</b>	<b>21.08.2012</b>
<b>Caliper</b>	<b>1.102A</b>	<b>16.11.2012</b>
<b>Tape</b>	<b>1.123</b>	<b>Initial calibration only</b>

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**Samples description**

1 model of aluminium square truss.

**Aluminium square truss**

Model: WCX 40 (connected by pin)

4 main tubes

Cross section: 400mm x 400mm

Main tube: Ø50 x 2mm

Auxiliary: Ø25 x 2mm

Brace tube: Ø25 x 2mm

Length	6m	9m	12m	15m	18m

**For Aluminium Square Truss**
**Client's requirement:**

Measure the sample's deflection under specified loads after 10 minutes. The ways in which the load applied are distributed placed or concentrated load.

**Test method:**

The sample is supported by two rigid frames at two ends to reach a certain span. The loads are then distributed placed or concentrated load on the sample and the deflections under these two supports are measured accordingly.

**Test result:**

Model: WCX 40

Span, m	Distributed load, kg	Deflection, mm	Concentrated load, kg	Deflection, mm
6	1500	24	1200	46
9	1300	56	1000	89
12	1000	97	800	150
15	1100	220	700	218
18	875	297	500	281

**Photo documentation**  
**Model: WCX 40**



**6M - Distributed load 1500kg**



**6M - Concentrated load 1200kg**



**9M - Distributed load 1300kg**



**9M - Concentrated load 1000kg**



**12M - Distributed load 1000kg**



**12M - Concentrated load 800kg**



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**Photo documentation**  
**Model: WCX 40**



**15M - Distributed load 1100kg**



**15M - Concentrated load 700kg**



**18M - Distributed load 875kg**



**18M - Concentrated load 500kg**

**Remark :**

This test report does not evidence compliance of the provided sample with the relevant standard but only with the referred tests.

This test report documents the findings of examination conducted on the delivered product mentioned on page 1. This test report does not entitle to carry any safety mark on this or similar products. Further for sales or other application purposes of the tested product, any reference to TÜV Rheinland or a test through TÜV Rheinland is only permissible with prior written consent of TÜV Rheinland.

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