

Prüfbericht-Nr.: <i>Test Report No.:</i>	50350261 001	Auftrags-Nr.: <i>Order No.:</i>	170134259	Seite 1 von 12 Page 1 of 12
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	685445	Auftragsdatum: <i>Order date:</i>	25.02.2020	
Auftraggeber: <i>Client:</i>	Xiamen Kseng Metal Tech.Co.,Ltd 3F, Huixin Wealth Centre, No.891, Fanghu North 2nd Road, Huli District, Xiamen, Fujian 361000 P. R. China			
Prüfgegenstand: <i>Test item:</i>	Mechanical test for components of ground mounting system			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	Declared by client			
Auftrags-Inhalt: <i>Order content:</i>	Mechanical test for components of ground mounting system			
Prüfgrundlage: <i>Test specification:</i>	According to client's requirement			
Wareneingangsdatum: <i>Date of receipt:</i>	02.03.2020	See details in page 4		
Prüfmuster-Nr.: <i>Test sample No.:</i>	170134259-01-170134259-06			
Prüfzeitraum: <i>Testing period:</i>	03.03.2020-09.03.2020			
Ort der Prüfung: <i>Place of testing:</i>	Guangzhou			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Guangdong)., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	See details in page 6 to page 11			
geprüft von / tested by:		kontrolliert von / reviewed by:		
Yakov Yang/Project engineer				
<u>09.03.2020</u>	<u>Tigo You/Trainee</u>	<u>11.03.2020</u>	<u>Susie Ni / Reviewer</u>	
<i>Datum</i> <i>Date</i>	<i>Name / Stellung</i> <i>Name / Position</i>	<i>Unterschrift</i> <i>Signature</i>	<i>Datum</i> <i>Date</i>	<i>Name / Stellung</i> <i>Name / Position</i>
				<i>Unterschrift</i> <i>Signature</i>
Sonstiges / Other:				
1) The test report is including 6 connection parts of ground mounting system.				
2) Place of testing: No.199 Kezhu Road, Guangzhou Science City · Guangzhou · 510663, P.R. China				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend
	5 = mangelhaft			
	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	1 = very good	2 = good	3 = satisfactory	4 = sufficient
				5 = poor
	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
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.				
<i>This test report only 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 test mark.</i>				

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Liste der verwendeten Prüfmittel
List of used test equipment

Prüfmittel <i>Test equipment</i>	Prüfmittel-Nr. / ID-Nr. <i>Equipment No. / ID-No.</i>	Nächste Kalibrierung <i>Next calibration</i>
Tensile Machine	WDW-50M	2020-09-05

To be continued

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Produktbeschreibung
Product description

1	Produktdetails <i>Product details</i>	Connection parts of ground mounting system
2	Maße <i>Dimensions</i>	./.
3	Bedienelemente <i>Operating elements</i>	./.
4	Ausstattung / Zubehör <i>Equipment / Accessories</i>	./.
5	Verwendete Materialien <i>Used materials</i>	1) Middle clamp –AL/6005-T5 2) End clamp –AL/6005-T5 3) Rail –AL/6005-T5 4) Rail clamp –AL/6005-T5 5) Girder –AL/6005-T5 6) Splice for rail –AL/6005-T5 7) Anchor plate –AL/6005-T5
6	Sonstiges <i>Other</i>	./.

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Absatz	According to client's requirement	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

Middle clamp on the rail



End clamp on the rail



Rectangular tube with angle steel



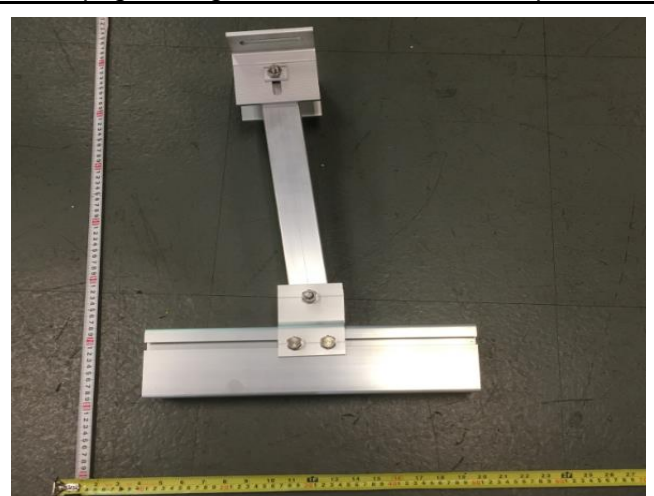
Rail connected with splice



Rail and girder connect with clamp



Upright and girder connect with anchor plate



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Absatz Clause	According to client's requirement Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse - Bemerkungen Measuring results - Remarks	Bewertung Evaluation
7	Test item and requirement		
7.1	Tensile test for middle clamp on the rail Install the middle clamp according to client's requirement. Perform the tensile force till the big deformation happened. One sample need to be tested and result will be recorded.		
7.2	Tensile test for end clamp on the rail Install the end clamp according to client's requirement. Perform the tensile force till the big deformation happened. One sample need to be tested and result will be recorded.		
7.3	Tensile test for rectangular tube with angle steel Install the rectangular tube with angle steel according to client's requirement. Perform the tensile force till the big deformation happened. One sample need to be tested and result will be recorded.		
7.4	Compressive force test for rail connected with splice Install the splice between two rails with flange facing self-tapping screw according to client's requirement. Place between two weights with a span of 38 cm. Perform the compressive force till the big deformation happened. One sample need to be tested and result will be recorded.		
7.5	Tensile test for rail and girder connect with clamp Install the rail clamp between the rail and the girder according to client's requirement. Perform the tensile force till the big deformation happened. One sample need to be tested and result will be recorded.		
7.6	Tensile test for upright and girder connect with anchor plate Install the Upright and girder with anchor plate according to client's requirement. Perform the tensile force till the big deformation happened. One sample need to be tested and result will be recorded.		

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Absatz	According to client's requirement	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

8 Test result

8.1 Tensile test for middle clamp on the rail:

Test result(N)	11457,1
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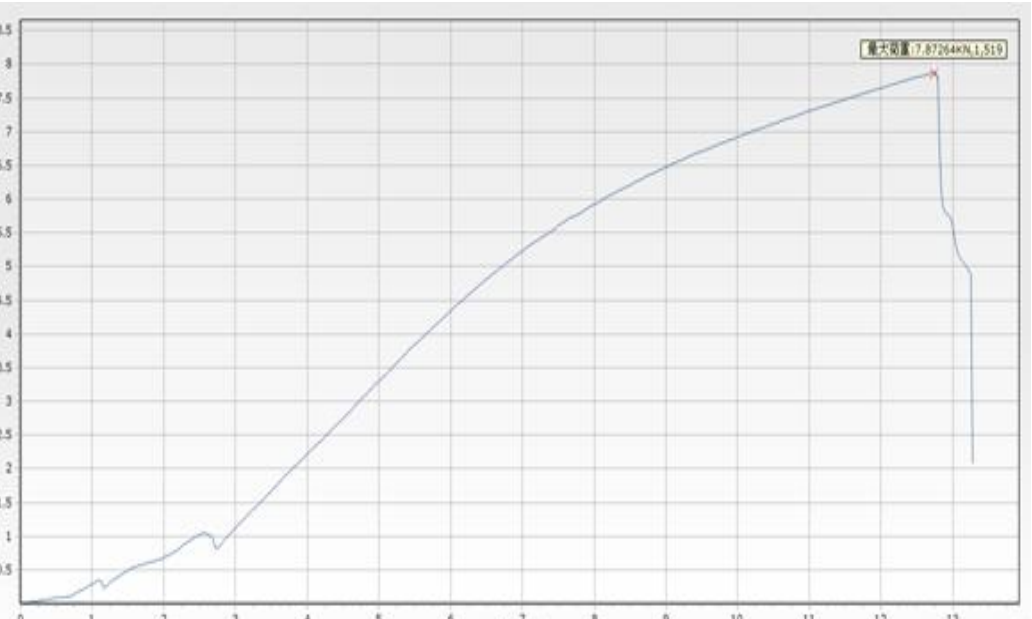
Test curve:



8.2 Tensile test for end clamp on the rail:

Test result(N)	7872,6
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Test curve:



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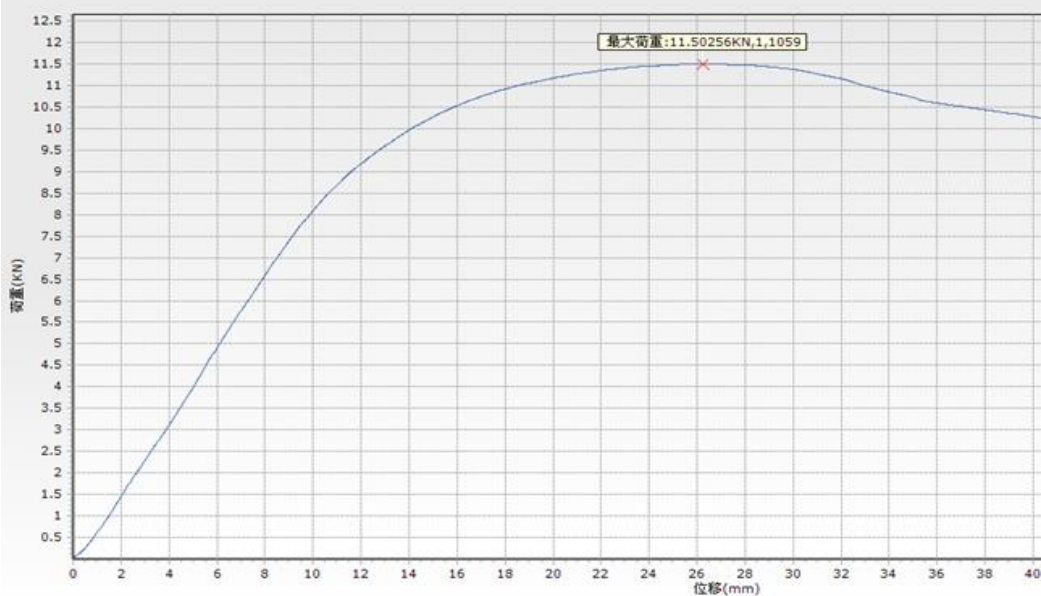
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Absatz	According to client's requirement	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

Tensile test for rectangular tube with angle steel:

Test result(N)	11502,6
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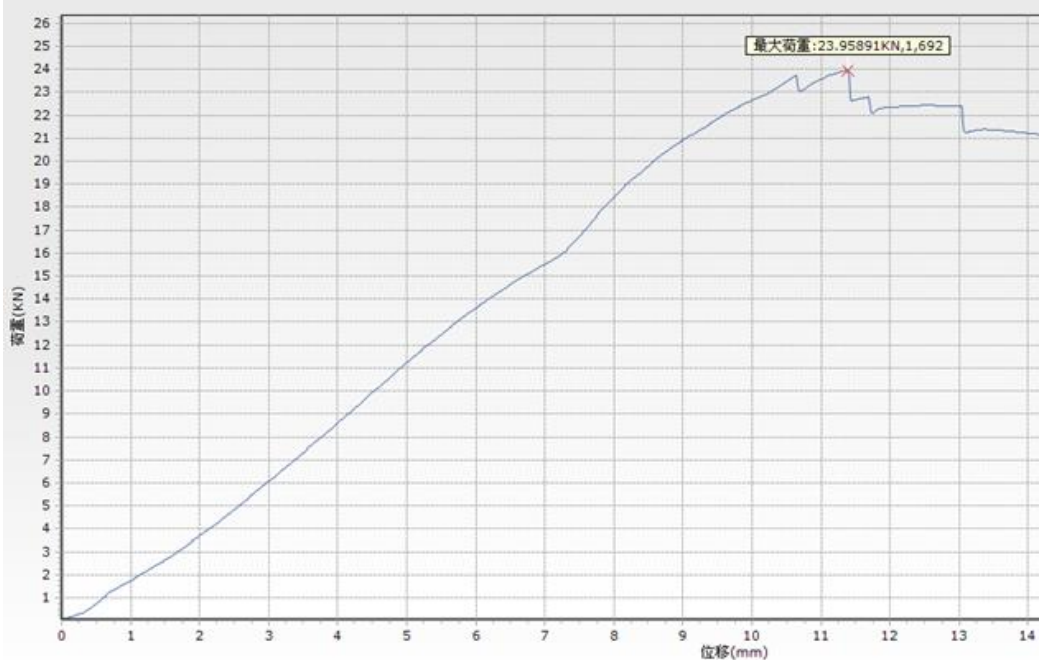
Test curve:



Compressive force test for rail connected with splice:

Test result(N)	23958,9
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Test curve:



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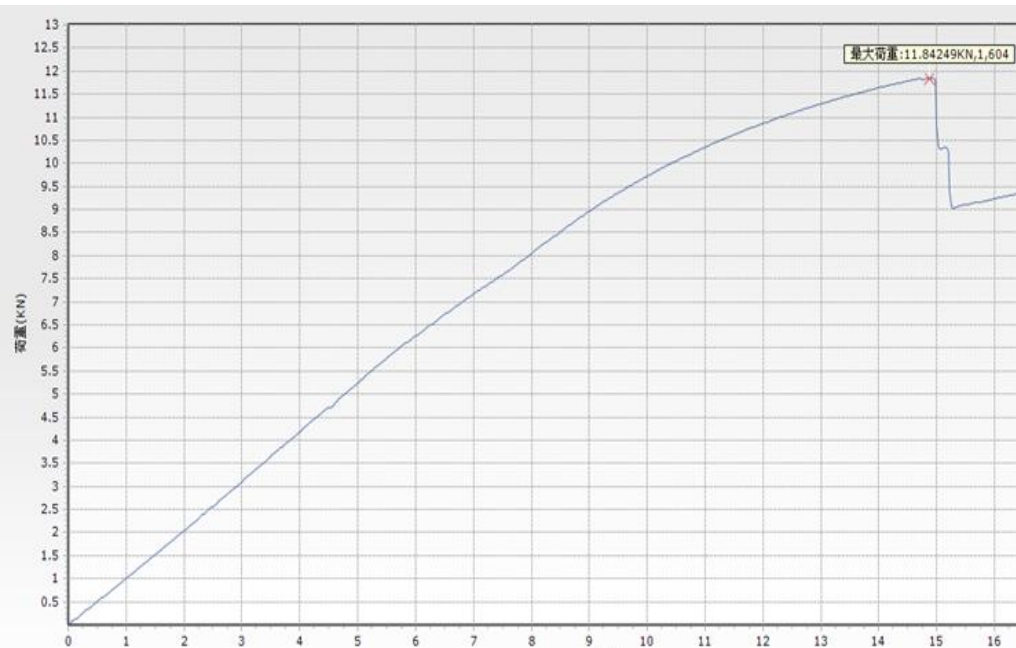
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Absatz	According to client's requirement	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

Tensile test for rail and girder connect with clamp:

Test result(N)	118424,5
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Test curve:

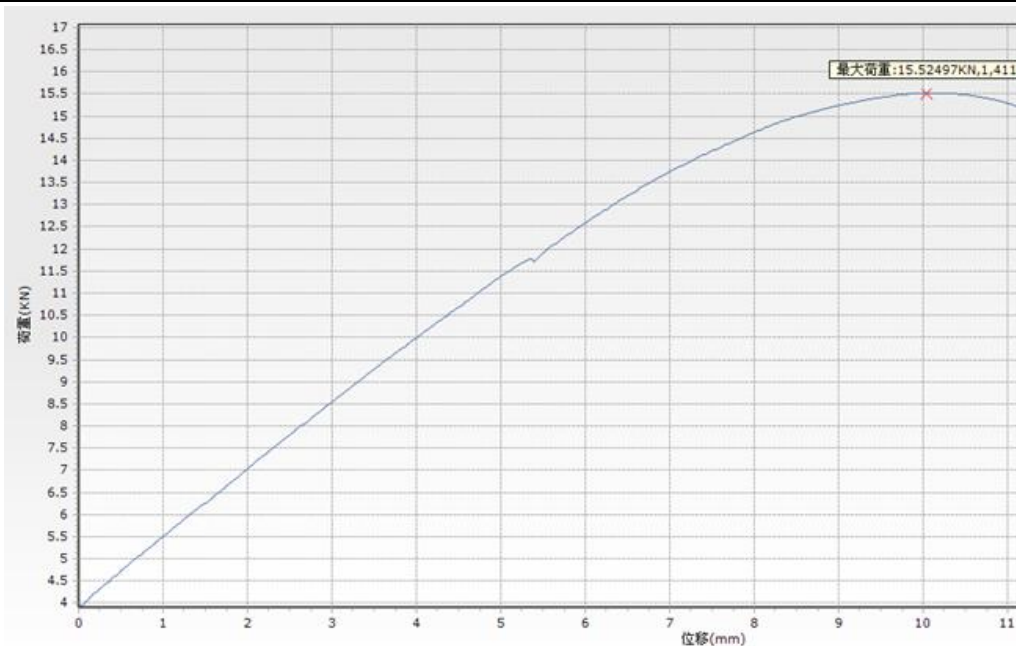


8.5

Tensile test for upright and girder connect with anchor plate:

Test result(N)	15524,9
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Test curve:

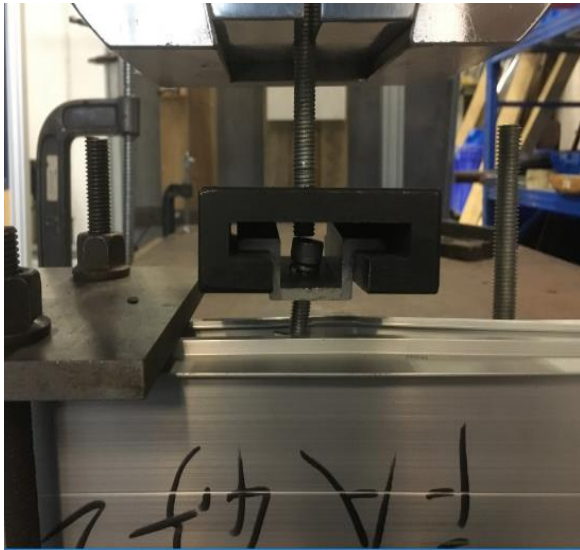





8.6

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Absatz	According to client's requirement	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

9	Test photo:		
9.1	Tensile test for middle clamp on the rail		
			
	Before test	After test	
9.2	Tensile test for end clamp on the rail		
			
	Before test	After test	

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Absatz	According to client's requirement	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

Tensile test for Rectangular tube with angle steel

9.3



Before test



After test

Compressive force test for rail connected with splice

9.4







Before test



After test

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Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

9.5	Tensile test for rail and girder connect with clamp	
		
	Before test	After test
9.6	Tensile test for upright and girder connect with anchor plate	
		
	Before test	After test

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*** End of Report ***