

Bremick Pty Ltd

ABN 68 000 496 131

290 Kurrajong Road Prestons 2170 NSW PO Box 6070 Alexandria NSW 2015 Tel: +61 2 8332 1501

Fax: +61 2 9690 1474

ATTESTATION OF PRODUCT CONFORMITY

TEST REPORT NUMBER: 56786-24070-D32412708X1 **DATE OF ISSUE:** 05/02/2025

CERTIFICATE NUMBER: 00120Q31689R6M/3302

Bremick Fasteners manufactured K0 8.8 STRUCTURAL ASSEMBLIES M24 x 70, job number 56786 to meet the technical requirements of AS/NZS 1252.1:2016, and comply with the verification testing requirements of AS/NZS 1252.2:2016.

Initial Type Third Party Testing has been conducted by Ningbo Zhongji Inspection of Machinery Parts Co, Ltd, an ILAC accredited laboratory.

The Assembly Test requirements (as required by AS/NZS1252.2:2016) have also been conducted by the same ILAC Laboratory.

The remainder of the testing requirements for AS/NZS 1252.2:2016 have been performed by the Bremick NATA accredited Laboratory that complies to ISO/IEC 17025. The Bremick NATA accreditation number is 15567.

Product K0 8.8 STRUCTURAL ASSEMBLIES M24 x 70, job number 56786 has been tested and complies with AS/NZS 1252.1:2016 and AS/NZS 1252.2:2016 and are supported by the attached documentation.

Authorised Bremick representative

Afshin Mohammadiazar,

Quality and Technical Manager





Certificate of Conformity of Factory Production Control

This certificate is issued to:

Manufacturer: Bremick PTY LTD

Approved factory No. 3

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product:

High-strength Structural Bolting Assemblies for Preloading

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

EN 14399-1:2015 High-strength Structural Bolting Assemblies for Preloading – Part 1: General Requirements

under system 2+ are applied and that the factory production controls fulfil all the prescribed requirements set out above.

The attached Schedule, of the same date, details the manufacturing location(s), harmonised product standard and product parameters and shall form a part of this certificate.

This Certificate will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Certificate No: 0343/CPR/SHA/BJG6041035/01

Original Approval: 10 November 2016
Current Certificate: 01 April 2024
Expiry Date: 09 November 2025

LRQA Notified Body Number: 0343



LRQA Nederland B.V. (Reg. no. 24247948) a private limited company registered in the Netherlands with registered office at George Hintzenweg 77, 3068 AX Rotterdam. A subsidiary of LRQA Group Limited.

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Certificate of Conformity of Factory Production Control No: 0343/CPR/SHA/BJG6041035/01 Schedule

Manufacturer: Bremick PTY LTD

Approved factory No. 3

Manufacturing Location and

Standard, Grade and Size

Products

Bremick approved factory 3

-Bolt EN14399-3

-Nut M (12-36) X (30-200) — 8.8/10.9 — HR

M (12-36) — 8/10—HR

-Bolt EN14399-4

-Nut M (12-36) X (30-200) — 10.9 — HV

M (12-36) — 10 — HV

-Bolt EN14399-10

-Nut M (12-36) X (30-200) —10.9 — HRC

M (12-36) — 10 — HRC

-Washer EN14399-5

D (12-36)

-Washer EN14399-6

D (12-36)

Remark of finished surface coating type: hot dip galvanizing, electrolytic zinc plating, black/self-color

Schedule Issue: 03

Date of Schedule Issue: 01 April 2024

LRQA Notified Body Number 0343

Kevin Wu on behalf of LRQA Nederland B.V.

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LRQA NL BV CPR Certificate Template Rev 0 2024-01

Page 2 of 2

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Structural Assembly K0 Range



TEST REPORT No: 56786-24070-D32412708 DATE OF ISSUE: 05/02/2025 HEAD No: A23

Product Information

CODE	K08MG240701	JOB NUMBER	56786
DESCRIPTION	K0 8.8 STRUCTURAL ASSEMBLIES M24 x 70	MANUFACTURE LOT QTY	8160
STANDARD	AS 1252.1-2016	TEST QTY	5
QUALITY SYSTEM	GB/T19001-2016/ISO9001:2015	CERTIFICATE NUMBER	00120Q31689R6M/3302

Chemical Composition

Complies to ISO898.1~2/AS4291.1~2

PART	HEAT No	С %	Mn %	Р%	S %	В%
REQUIRED		0.25~0.55	N/A	0.035 max	0.035 max	0.003 max
BOLT	D32412708X1	0.35	0.72	0.008	0.007	0.0025
REQUIRED		0.58 max	0.25 min	0.060 max	0.150 max	N/A
NUT	G332004156	0.45	0.66	0.017	0.004	0
REQUIRED		N/A	N/A	N/A	N/A	N/A
WASHER	HA3154593	0.44	0.72	0.013	0.003	0

Mechanical Properties

Tested to AS/NZS1252.1-2016 Table B1

	BOLT	
TEST	REQUIREMENT	RESULT
Hardness	d <= 16mm 22~32 HRC d > 16mm 23~34 HRC	28-29
Wedge Test 4º	d <= 16mm 800MPa d > 16mm 830 MPa	963-972
Yield	660 MPa	765-773
Proof Stress	d <= 16mm 580 MPa d > 16mm 600 MPa	PASS

NUT						
TEST	REQUIREMENT	RESULT				
Hardness	24~36 HRC	30-31				
Proof Stress (min)	1165 MPa	PASS				
WASHER						
Hardness	33~41 HRC	35-36				

Hardness Test to ASTM E18 - Wedge test and proof load to ISO 898-1, Nut proof load test to AS 1252.1-2016

Assembly Test Tested to AS/NZS1252.1-2016

TEST CONDITIONS		REQUIREMENT		RESULTS					
CLAMP LENGTH (mm)	No. OF SHIMS	ROTATION SPEED	LUBRICATION CONDITIONS	BOLT LENGTH	MIN NUT Rotation º	TENSION kn Minimum	SAMPLE No.	NUT ROTATION DEGREES	BOLT TENSION (kN)
34	1	4	Dry to touch	L<=3d	210	264	SAMPLE 1	217	302
							SAMPLE 2	218	299
							SAMPLE 3	215	298
	·						SAMPLE 4	219	300
	·						SAMPLE 5	216	302.5

Visual, Dimensions, Coating & Markings

PART	VISUAL INSPECTION ISO 6157-1. 2.
BOLT	PASS
NUT	PASS
WASHER	PASS

DIMENS AS/NZS12	
PASS	3
PASS	}
PASS	5

COATING COMPLIES TO AS/NZS1214 REQUIREMENT 50 min					
TYPE Αν μm					
HDG	65				
HDG 66					
HDG 67					

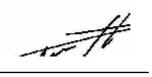
MARKINGS
Bolt: BF 8.8 THREE RADIAL LINES A23
Nut : BF 8 THREE ARC LINES
Washer : THREE NIBS

This certificate complies with AS/NZS1252.1-2016

The results relate only to the item tested

Name: Afshin Mohammadiazar Position: Quality Manager

Signature :



TEST REPORT

TEST REPORT No: 56786-24070-D32412708X1 DATE OF ISSUE: 5/02/2025

PRODUCT DETAILS

ITEM CODE	K08MG240701	DESCRIPTION	K0 8.8 STRUCT ASS GAL M24 X 70
BOLT HEAT No.	D32412708X1	MATERIAL STANDARD	AS/NZS 1252-2016
NUT HEAT No.	G332004156	JOB No.	56786
WASHER HEAT No.	HA3154593	HEAD MARK	A23

BOLT

PROOF LOAD TEST DATE: 26/03/2025

DESCRIPTION	Proof load testing of cla	Proof load testing of class 8.8 Bolt to SOP 22-07, AS/NZS 1252.1 and ISO 898.1							
TEST METHOD	Proof load to ISO 898.1 and ISO 6892-1				TEST TEMP ° C				
REQUIREMENTS	Minimum hold time 15 s	Minimum hold time 15 seconds - min proof load 212.00 kN							
	PROOF LOAD (Kn)	INITIAL LENGTH (mm)	FINAL LENGTH (mm)	CHANGE (mm)	COMPLIANCE				
SAMPLE 1	PASS	69.22	69.23	0.01	COMPLIES				
SAMPLE 2	PASS	69.03	69.04	0.01	COMPLIES				
SAMPLE 3	PASS	69.13	69.12	-0.01	COMPLIES				

WEDGE LOAD TENSILE TEST TEST DATE: 26/03/2025

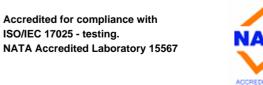
DESCRIPTION	Wedge test of class 8.8 E	TEST TEMP ° C				
TEST METHOD	Wedge test ISO 898.1 and	Wedge test ISO 898.1 and ISO 6892-1				
	TENSILE STRENGTH Mpa (Rm)	COMPLIANCE				
REQUIREMENTS	830 MIN	293 MIN	4	THREAD		
SAMPLE 1	949	334.90	4	THREAD	COMPLIES	
SAMPLE 2	964	340.50	4	THREAD	COMPLIES	
SAMPLE 3	950	335.40	4	THREAD	COMPLIES	

HARDNESS TEST DATE: 26/03/2025

DESCRIPTION	K0 8.8 STRUCT ASS GA	L M24 X 70- AS/NZS 1252-	2016										
TEST METHOD	Rockwell Hardness test	Rockwell Hardness test using scale "C" from 98N to 147N by the methods of ASTM E18											
REQUIREMENTS	d <= 16mm 22-32 HRC -	d > 16mm 23-34 HRC											
	AVERAGE * HARDNESS (HRC)	COMPLIANCE	SAMPLE	AVERAGE * HARDNESS (HRC)	COMPLIANCE								
SAMPLE 1	30	COMPLIES	SAMPLE 5	31	COMPLIES								
SAMPLE 2	31	COMPLIES	SAMPLE 6	29	COMPLIES								
SAMPLE 3	31	COMPLIES	SAMPLE 7	31	COMPLIES								
SAMPLE 4	30	COMPLIES	SAMPLE 8	32	COMPLIES								

^{*} Average of 3 measurements per sample







TEST REPORT

TEST REPORT No: 56786-24070-D32412708X1 DATE OF ISSUE: 5/02/2025

PRODUCT DETAILS

ITEM CODE	K08MG240701	DESCRIPTION	K0 8.8 STRUCT ASS GAL M24 X 70
BOLT HEAT No.	D32412708X1	MATERIAL STANDARD	AS/NZS 1252-2016
NUT HEAT No.	G332004156	JOB No.	56786
WASHER HEAT No.	HA3154593	HEAD MARK	A23

NUT

PROOF LOAD TEST DATE: 20/03/2025

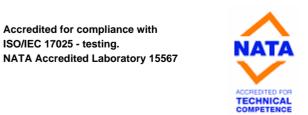
DESCRIPTION	Proof load testing of Nut to SOP 22-09, AS/NZS 1252	2.1 and ISO 898.2	TEST TEMP ° C					
TEST METHOD	Proof load to ISO 898.2 and ISO 6892-1	oof load to ISO 898.2 and ISO 6892-1						
REQUIREMENTS	Minimum hold time 15 seconds - Minimum proof loa	d	411.20 kN					
	PROOF LOAD (Kn)	NUT REMOVED BY FINGER	COMPLIANCE					
SAMPLE 1	PASS	YES	COMPLIES					
SAMPLE 2	PASS	YES	COMPLIES					
SAMPLE 3	PASS	YES	COMPLIES					

HARDNESS TEST DATE: 3/03/2025

DESCRIPTION	K0 8.8 STRUCT ASS GAL	M24 V 70. A S/N7S 1252	2016								
TEST METHOD Rockwell Hardness test using scale "C" from 98N to 147N by the methods of ASTM E18											
REQUIREMENTS	24 - 36 HRC										
	AVERAGE * HARDNESS (HRC)	COMPLIANCE	SAMPLE	AVERAGE * HARDNESS (HRC)	COMPLIANCE						
SAMPLE 1	27	COMPLIES	SAMPLE 5	29	COMPLIES						
SAMPLE 2	28	COMPLIES	SAMPLE 6	28	COMPLIES						
SAMPLE 3	27	COMPLIES	SAMPLE 7	27	COMPLIES						
SAMPLE 4	31	COMPLIES	SAMPLE 8	27	COMPLIES						
SAMPLE 2 SAMPLE 3	27 28 27	COMPLIES COMPLIES	SAMPLE 6 SAMPLE 7	29 28 27	COMPLIE						

^{*} Average of 3 measurements per sample





TEST REPORT

TEST REPORT No: 56786-24070-D32412708X1 DATE OF ISSUE: 5/02/2025

PRODUCT DETAILS

ITEM CODE	K08MG240701	DESCRIPTION	K0 8.8 STRUCT ASS GAL M24 X 70
BOLT HEAT No.	D32412708X1	MATERIAL STANDARD	AS/NZS 1252-2016
NUT HEAT No.	G332004156	JOB No.	56786
WASHER HEAT No.	HA3154593	HEAD MARK	A23

WASHER

HARDNESS TEST DATE: 3/03/2025

DESCRIPTION	K0 8.8 STRUCT ASS GAL	. M24 X 70- AS/NZS 1252-	2016			
TEST METHOD	Rockwell Hardness test u	ısing scale "C" from 98N	to 147N by the methods	s of ASTM E18		
REQUIREMENTS	33 - 41 HRC					
	AVERAGE * HARDNESS (HRC)	COMPLIANCE	SAMPLE	AVERAGE * HARDNESS (HRC)	COMPLIANCE	
SAMPLE 1	33	COMPLIES	SAMPLE 5	35	COMPLIES	
SAMPLE 2	33	COMPLIES	SAMPLE 6	35	COMPLIES	
SAMPLE 3	33	COMPLIES	SAMPLE 7	34	COMPLIES	
SAMPLE 4	34	COMPLIES	SAMPLE 8	33	COMPLIES	

^{*} Average of 3 measurements per sample

Signed:

Afshin Mohammadiazar

Accredited for compliance with ISO/IEC 17025 - testing. NATA Accredited Laboratory 15567 TECHNICAL

Issue Date: 5/02/2025

> Note that this report is based on the products supplied to the laboratory and it remains the responsibility of the client to ensure the samples presented are representative of the whole batch. Reproduction of this report, other than in its entirety, must be approved by Bremick Pty Ltd

The results relate only to the item tested









Ningbo Zhongji Inspection of Machinery Parts Co.,Ltd

TEST REPORT

Report number:	NBZJB202501139	Page 1 of 2
Receiving Date:	19, Jan., 2025	
Test Date:	22, Jan., 2025~08, Feb., 2025	
Sample Source:	Supplied by client	
Name of Client	Bremick Pty Ltd	
Address	88 Dalmeny Avenue, Rosebery NSW 2018	
Test Requirements	AS/NZS 1252.1:2016 The technical requirement supplied by client	

Description	M24x70 8.8 HDG	Number of Sample(s)	3 PCS							
Dimension	M24x70	Class	Bolt class 8.8 Nut class 8							
Part Number	K08MG240701	PO No	56786-S							
TRACE No	1	Heat Treatment Lot number	1							
(Steel) Heat number	B:D324	409507XX N:J4330066	604							
The information abo	The information above is provided by the client. Our laboratory is not responsible for its authenticity									





Approved by Manager Reviewed by Engineer

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Ningbo Zhongji Inspection of Machinery Parts Co.,Ltd

TEST REPORT

	Re	oort number:	NBZJB202501139				Page 2 of 2			
	NO.	Test Items	Test Method	Requirement	-	Test Results	Item			
I	140.	1 CSt ItCIIIS	1 CSt Wicthod	rtequilement		rest results	Conclusion			
	1			Bolt tension force ≥ 264 kN	1A	325.0 kN 210°	Pass			
		Assembly test	EN 14399-2:2015	11-12-11-11-11-11-11-11-11-11-11-11-11-1	2A	323.4 kN 210°	Pass			
				≥ 210°	ЗА	324.9 kN 210°	Pass			
		Equipment: Microcomputer controlled torsion tester; NBZJ/SB-Z-JC-110 WN Validity Of Calibration: 2025.5.16								



青岛特钢 QINGDAO SPECIAL STEEL

品质量证明书

地址: 山东省胥岛市黄岛区泊里镇集成路 1886号

ADD: No. 1886 Jicheng Road, Huangdao District, Qingdao City, CHINA

INSPECTION CERTIFICATE

TEL: (0532) 58815222 FAX: (0532) 58816212

收货单位:

山东天保贸易有限公司

产品名称:

冷镦钢热轧盘条

规格(长度):

Ф 24mm

质保书号:

JZ20250108000080

Purchaser

山东天保贸易有限公司

用途:

Description of Goods

冷银

Size(L)

钢种:

10834

Shoot No. 执行标准:

QGXY1139-2024-03

Order Company

订货单位:

热轧 交货状态:

Usage 合同号:

DD24B004400013

Grade 认证编号: Specification

Condition

Certification No.

序号No		中号 It No	Pr	批号 od No	件数 bundles	無量(t) Weight	C(%)	Si (%)	Mn (%)	P(%)	S(%)	Cu (%)	Ni (%)	Cr (%)	B (%)									
							×10	2 -2 ×10	-2 ×10	-3 ×10	-3 ×10	-2 ×10	-2 ×10	Time!										
4900	D3241	2708X1	X12	414180	7	14.308	35	19		8	7	1	1	13	25									
-																								
***************************************	抗拉强	收缩率	冷顶锻	总脱碳																				
	MPa	*																						
号 S	rensile trengt	Area Reducti on	Cold	Total decarb urizatio																				
	584	42	OK	0.12																				
	593	41	OK	0.12										Manya										
1			OK					_														T.MUMPER.		
																+						on B		
					科文时,来画铺 DLY REQUESTED																	铁谷	10	

Note

1. 原产地中国 2. 六位CN编号: 722790 3. 我们在此确认没有使用俄罗斯的原材料。
1. Wade in China 2.6 digit CN-code: 722790 3. We herewith confirm that no Russian raw material was used.

Remarks

声明:未经许可。本产品未经加工不允许直接出口到其他国家和地区。

签发日期: 2025-1-8

责任人:

签发人: 蒲立婷

Signature

质量部门蛊章有效

. Stamp of Department of Quality Assurance

Issued Date

Principal



江 苏 沙 钢 集 团 有 限 公 司

Jiangsu Shagang Group CO., LTD.

速线材质

High-speed Wire Rod Quality Certificate

SG03B-1914E

江苏省张家港市锦丰镇 邮编: 215625

Jinfeng, Zhangjiagang, Jiangsu, P. R. CHINA

TEL: (0512) 58568866, 58568829 FAX: (0512) 58550366, 58550818

订货单位CUSTOMER	宁波办事处	用户代码CUSTOMER CODE		合同号CONTRACT NO.	X35D0001Q022
牌号STEEL GRADE	SWRCH45K	提货单号DELIVERY	230614061002	发货日期DATE OF DELIVERY	20230616
交货标准	Q/320582 SGY303-2018	カルサ号(ERTIFICATE NO	2306140610 029349 2	签发日期DATE OF ISSUE	20230616
SPECIFICATION		用途USE		精炼方式REFINING MATHOD	炉外精炼

序号 炉批号 直径 Dia. MBAT NO. 盘数 Dia. MBAT NO. 重量 kg C Si Mn P S Cr Ni Cu A1		
The state of the property o		
NO HEAT NO. mm. Coils Rg	加州云 W: ***	要 索氏体 A注 - Sorbite AEMARYS
$1=\times 10^{-1}$ $2=\times 10^{-2}$ $3=\times 10^{-3}$ $4=\times 10^{-4}$ $5=\times 10^{-5}$	D. of. D Grade	I REMARKS
7 G332004156 24.0 22 49837 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00 8 G332004156 24.0 9 20413 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00 9 G332004156 24.0 5 11325 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00 9 G332004156 24.0 5 11325 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00		
7 G332004156 24.0 22 49837 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00 8 G332004156 24.0 9 20413 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00 9 G332004156 24.0 5 11325 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00 9 G332004156 24.0 5 11325 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00		
8 G332004156 24.0 9 20413 45 20 66 17 4 3 1 2 34 639 404 40.0 1/2 89.00 9 G332004156 24.0 5 11325 45 20 66 17 4 3 1 2 34 635 400 40.0 1/2 89.00 9 G332004156 24.0 5 11325 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00	8	
8 G332004156 24.0 9 20413 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00 9 G332004156 24.0 5 11325 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00 34.0 完好 89.00 34.0 完好 89.00	9	
9 G332004156 24.0 5 11325 45 20 66 17 4 3 1 2 34 635 400 40.0 1/2 89.00 34.0 完好 89.00	9	
9 6332004156 24.0 5 11325 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00	9	
	9	
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	9	-: 1
10 G332004156 24.0 22 49739 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00	9	- 0
639 404 40.0 1/2 89.00	9	(4) T
11 G332004156 24.0 4 9079 45 20 66 17 4 3 1 2 34 635 400 34.0 完好 89.00	9	
639 404 40.0 1/2 89.00		
本质量证明书适用于合金类线材;本产品不含有任何辐射元素。It is guaranteed that the product imparities.	ts don't contai	n radiochemical
合计 Total 62 140393 imparities. NOTES *1. H.T.—Head-colding Test; *2 D. of D.—Depth of Decarburization;	84 75	
1. 质量证明书复印件不作有效证明文件,除非盖章; The copy of this Certificate is not valid except	多集出	签证人

综合判定 注意事项 合格 FINAL ATTENTIVE **PASS** ITEMS RESULT

2. 用户验货后使用如有异议应及时告知炉号、牌号,并保留实物及标志。Please inform us the steel gra and the heat number of under quanlified material(s) found in inspection on time, and keep the material(s) and the marking card

3. 离扎丝纽结处近端为轧制成品头部。The coil head is marked by the binding

VISA

第2页,共3页



产品质量证明书

CERTIFICATE OF PRODUCT QUALI



宁波钢铁有限公司

Ningbo Iron & Steel Co.,Ltd 中国 宁波市北仑区復浦临港二路168号

No.168,Lingang 2 Road,Xiapu,Beilun District,Ningbo,China TEL: 86-574-86859187 FAX: 86-574-86859900-1750

_H0299				CALLED AND MAINTAIN	5L. 60-314-6063310	31 TAX. 00-314-0	0033300-1730
客户名称 SOLD TO	浙商中拓集团股份有限公司			产品名称 PRODUCT	热轧钢卷 Hot Rolled Coil		
SEND IO	浙商中拓集团股份有限公司			应收凭单号码 AR. NO.	AR2310007003	证明书编号 CERTIFICATE NO.	231031H0299
标准	GB/T 711-2017; 45; 建议不露天储存		牌号 STEEL GRADE	客户编号 CUSTOMER NO.	00107531	订单编号 ORDER NO.	32N01222J
SPEC.			45	交运日期 SHIPPING DATE	2023/10/31	证明书日期 T/C ISSUE DATE	2023/10/31
检验 INSP.	NINGBOSTEEL MILL INSPECTION	工厂许可证编号 WORKS APPROVAL LETTER NO		客户采购案号 CUST. ORDER NO.		T/C	1/0

			尺寸及规格 MATERIAI				TERIAL DESCRIPTION				化学成分 CHEMICAL ANALYSIS %							A01 5S			
项次		钢卷编号	熔炼号	厚度	宽度		数量	重量	С	Si	Mn	P	S	Cr	Ni	Cu	屈服 抗拉 YS TS Rm	伸长 率EL A			
ITEM NO.	SLAB NO.	COIL NO.	HEAT NO.	THICK mm	mm	LENGTH mm	QIY	WEIGHT t	X10 ²	X10 ²	X10 ²	X10	3 X10 ³	X10	X10	X10 ²	N/mm ²	%	. R	EMARK	
14	HA3154593	3A115067	N326467	4.00	1250	C	1	21.840	44	28	72	1	3 3	1	. (1	691	27.5			
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erre	VEYOR		1		T	TOTAL:		21.840 GE LENGT		距											

Rm等同σb

565S: 5.65*SQRT(S) A 原始标距为5.65sqrt(S)的断后伸长率 化学成分:熔炼分析

兹证明本表所列产品,均依材料规范制造及试验,并且符合规范的要求。

WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.