



www.mmaero.com

E11700

SOLD TO:

005905

SR TECHNICS LTD

ACCOUNTS PAYABLE/TFFK

ZURICH AIRPORT

CH-8058 ZURICH

SWITZERLAND

SHIP TO:

SR TECHNICS SWITZERLAND

ATTN: TCLR, GOODS RECEIVING

FLUGHOFSTRASSE

CH-8058 ZURICH AIRPORT

SWITZERLAND

PAGE 1 OF 1

BY RECEIVING DELIVERY OF THE GOODS COVERED BY THIS INVOICE, BUYER EXPRESSLY ASSENTS TO THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE HEREOF



M & M Aerospace Hardware, Inc.

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.mmaero.com

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based upon the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, and drawings. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to M & MAerospace Hardware, Inc.

FIRM: SR TECHNICS LTD

PURCHASE ORDER#: 45450076010

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	CCODE
01	50	EA	MS21914-10		2008200515	




Jason Lewis
Vice President of Quality
11/10/09



Nelson Aerospace, Inc.

A B/E AEROSPACE COMPANY
10310 NORRIS AVENUE - PACOIMA, CALIFORNIA 91331
Tel: 818-888-0800 • Fax: 818-888-0388

INVOICE NUMBER

165974

PAGE 1

SOLD TO:

000198
M & M AEROSPACE HARDWARE, INC.
PO BOX 025263
MIAMI, FL 33102-5263

SHIP TO:

M & M AEROSPACE HARDWARE, INC.
10000 N.W. 15TH TERRACE
MIAMI, FL 33172

ORDER NO.		DATE	SHIP VIA	TERMS		F.O.B.		
OAY318		05/28/08	WATKINS	1%10, NET 30		PACOIMA		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
	3640	MS21914-10 C1137 KIT CTRL#: 2008Z00515 **0B0507-0B0503 INSERT **0B1871-0B1830 NUT **0A9450-2 WIRE			EA	0	3640	
	50	MS21914-10 C1137 KIT CTRL#: 2008Z00420 **0B0514-0B0503 NUT **0B1870-0B1830 NUT **0A9450-2 WIRE			EA	0	50	
	1310	MS21914-10 C1137 **MIL-F-18280 E C1137 **MATERIAL CERTS NO CHARGE **MADE IN USA			EA	1310	0	
*** SHIPPED 18 CTN(S) ***								
#	1=CTN	39#	0 OZ.					
#	2=CTN	32#	0 OZ.					
#	3=CTN	32#	0 OZ.					
#	4=CTN	32#	0 OZ.					
#	5=CTN	32#	0 OZ.					
#	6=CTN	32#	0 OZ.					
#	7=CTN	32#	0 OZ.					
						CONTINUED		



MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY NELSON AEROSPACE

WE HEREBY CERTIFY THAT ALL PROVISIONS OF THE FAIR LABOR STANDARDS ACT ON JUNE 25, 1963, AS AMENDED, HAVE BEEN FULLY COMPLIED WITH IN THE MANUFACTURE, PRODUCTION OR PU OF GOODS LISTED HEREON.

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE. ALL PAST DUE ACCOUNTS SHALL BEAR INTEREST AT THE RATE OF 1 Y% MONTH (18% PER ANNUM).

MATERIAL CERTIFICATION

NELSON AEROSPACE, INC. (NELSON AEROSPACE) WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND THE SPECIFICATIONS RESPECTIVE MANUFACTURERS. NELSON AEROSPACE DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PART PURPOSE. THE LIABILITY OF NELSON AEROSPACE IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT OF ANY ITEM WHICH IS REJECTED BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP. REPLACEMENT SHALL CONSTITUTE SATISFACTION OF ALL LIABILITY NELSON AEROSPACE MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL NELSON AEROSPACE BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, NELSON AEROSPACE MUST BE NOTIFIED REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.



PACKING SLIP

Maria Detoridis
Manager of Quality Assurance

BY RECEIVING DELIVERY OF THE GOODS COVERED BY THIS INVOICE, BUYER EXPRESSLY ASSENTS TO THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE HEREOF

MCC 1/2



Nelson Aerospace, Inc.

A B/E AEROSPACE COMPANY
10310 NORRIS AVENUE - PACOIMA, CALIFORNIA 91331
Tel: 818-686-0900 • Fax: 818-686-0398

INVOICE NUMBER

165974

PAGE 2

SOLD TO:

000198

M & M AEROSPACE HARDWARE, INC.
PO BOX 025263
MIAMI, FL 33102-5263

SHIP TO:

M & M AEROSPACE HARDWARE, INC.
10000 N.W. 15TH TERRACE
MIAMI, FL 33172

ORDER NO. OAY318		DATE 05/28/08	SHIP VIA WATKINS	TERMS 1+10, NET 30	F.O.B. PACOIMA			
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
	# 8=CTN	32#	0 OZ.					
	# 9=CTN	32#	0 OZ.					
	# 10=CTN	32#	0 OZ.					
	# 11=CTN	32#	0 OZ.					
	# 12=CTN	32#	0 OZ.					
	# 13=CTN	32#	0 OZ.					
	# 14=CTN	32#	0 OZ.					
	# 15=CTN	32#	0 OZ.					
	# 16=CTN	32#	0 OZ.					
	# 17=CTN	32#	0 OZ.					
	# 18=CTN	32#	0 OZ.					
C88	056092	SHIPPED ON: 05/28/08						
INVOICE#.....		165974						
ORDER#.....		056092						
RMA# Required for Returns Call 818-686-0900								
								



MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY NELSON AEROSPACE

WE HEREBY CERTIFY THAT ALL PROVISIONS OF THE FAIR LABOR STANDARDS ACT ON JUNE 25, 1963, AS AMENDED, HAVE BEEN FULLY COMPLIED WITH IN THE MANUFACTURE, PRODUCTION OR OF GOODS LISTED HEREON.

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE. ALL PAID DUE ACCOUNTS SHALL BEAR INTEREST AT THE RATE OF 1 1/2% MONTH (18% PER ANNUM).

MATERIAL CERTIFICATION

NELSON AEROSPACE, INC. ("NELSON AEROSPACE") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND THE SPECIFICATION RESPECTIVE MANUFACTURERS. NELSON AEROSPACE DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF NELSON AEROSPACE IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT OF ANY ITEM WHICH IS REJECTED BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP. REPLACEMENT SHALL CONSTITUTE SATISFACTION OF ALL LIABILITY NELSON AEROSPACE MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL NELSON AEROSPACE BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, NELSON AEROSPACE MUST BE NOT REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.

Marina Detorides
Manager of Quality Assurance

PACKING SLIP

BY RECEIVING DELIVERY OF THE GOODS COVERED BY THIS INVOICE, BUYER EXPRESSLY AGREES TO THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE HEREIN

MCC 2/

TIME: 13:05:40

RECEIPT TRAVELLER: AL13/9/29

MOU: 00000000000000000000

VENDOR: 13512
NEW AEROSPACE HARDWARE, INC.

PURCHASE ORDER: 926517

DATE RECEIVED: 8/22/08

BUYER: PLG

RECEIVING:

LINE QUANTITY PART NO./DESCRIPTION
ITEM RECEIVED

1 700 MS21914-10
CAP

VENDOR ITEM#:

DASH GROUP: MS21914-

QUALITY PROCEDURE CLAUSES: ACCEPT

REV: Std Pkg Size:

QUALITY ASSURANCE:

DEPT. WORK OPERATION/DESCRIPTION
NO. CENTER NUMBER

SCHEDULE
DATE

SAMPLE QUANTITY QUANTITY MANUFACTURER
SIZE ACCEPTED REJECTED LOT

BATCH
NO.

CORE
DATE

HPG LOT #

0808034885

Quality Documents: A Manufacturer's Certificate
Manufactured by: 14300 NELSON AEROSPACE, INC.

INSPECTION NOTES: *tc*

4892

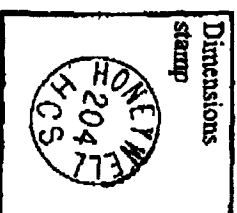
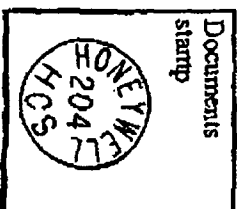
STAGING: WAREHOUSE NUMBERS

LOCATION ADDRESS

LOC: 32AE2A 32B21A 33AE2A 33AE6A 33B21A 33G21A 33G21A

QUANTITIES

<<< End of Form >>>



Net



MATERIAL CERTIFICATION

CORRESPONDENCE: P.O. BOX 5137, CHICAGO, ILLINOIS 60680-5137
PHONE: (708) 735-8000 (800) 323-2780
FACSIMILE: (708) 735-8100

PRINT DATE	8/09/07	PAGE	1
SALES ORDER NUMBER	234416	REVISION	
PRICE SLIP NUMBER	90976	INVOICE NUMBER	0027154F

BRALCO METALS DIVISION
RELIANCE STEEL & ALUMINUM CO.
15090 NORTHAM STREET
LA MIRADA
CA 90638-5757

BRALCO METALS DIVISION
RELIANCE STEEL & ALUMINUM CO.
C/O CHY FREIGHT, INCORPORATED
4201 WEST 36TH STREET
CHICAGO
IL 60623

LINE	COREY PART NUMBER	DESCRIPTION	QUANTITY	UOM
43-65341	6/26/07	JTRENKLE	165210	1001
				8/08/07

1 7160275 10,235.000 LR
SIZE: .8095/.8125" ROUND X 144" C-1137 .10 MAXIMUM SILICON
COARSE GRAIN PRACTICE COLD DRAWN STEEL BARS

Heat Number: 794330 Number of SKUs: 6 Total: 10,235.000 LB
Lot Number: 0707000575

C	.360	MN	1.430	P	.014	S	.110	SI	.070
CU	.250	CR	.120	V	.004	NI	.090	MO	.030
AL	.003	TI	.001	CB	.002				

MILL SOURCE: MITTAL STEEL USA INC.

COMPLIES TO LATEST ISSUE OF ASTM A 108

CONTROL#: 2008E00024 PO#: OB0507
QTY: 9000
PART NO.: MS21914-10 INSERT C1137
LOT NO.: OB0507-OB0503

CONTROL#: 2007H00224 PO#: OB0503
QTY: 10235
PART NO.: .8125 RD C1137
LOT NO.: OB0503



WE CERTIFY THAT THE CHEMICAL ANALYSIS AND MECHANICAL PROPERTIES REPORTED ABOVE ARE CORRECT AS CONTAINED IN THE RECORDS OF THE CORPORATION. SELLER MAKES NO WARRANTY OF MERCHANTABILITY OF GOODS OR OF THEIR FITNESS FOR ANY PARTICULAR PURPOSES.

Corey Steel Company
Andrew F. [Signature]
Debrah [Signature] Manager

15004-R102

to: NELSON AEROSPACE PO: OB0503-0002628 Part: Order No.: 370391
clerk signature: [Signature]



PHC

Lot #. 080507-080503

Order No: 2565025 15:55:17

Time

FRY STEEL COMPANY



Registered ISO 9001
13325 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

NO0580
Cust. NO.: 081830
P.O. NO.:

CERTIFICATE OF COMPLIANCE

NELSON AERO SPACE INC.
10310 NORRIS AVE
ONE PO # ORDER***
PACOMA CA 91331

12/04/07

QTY	DESCRIPTION	ITEM CODE	HEAT NUMBER
	CD 4130 HT MIL9 6857 REQD		
	BARB 1" HEX 8719 LBS. REQ'D TOL OK KEN-ROB	12" R/L 50820	8998758

CONTROL# : 2008E00176
PART NO. : MS21921-10
LOT NO. : 081871-081830
PO# : 081871
QTY : 5170

CONTROL# : 2008A00012
PART NO. : 1.0000 HEX 4130HT
LOT NO. : 081830
PO# : 081830
QTY : 8742

NOTICE
A COPY OF THE ORIGINAL WILL CERTIFICATION IS ATTACHED.
CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.
EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATE.
AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION (E. MAG, SONIC, ETC.)
WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED
CONDITION. 'DEFECT FREE' MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.
NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT
The written recording of tests, methods or procedures applicable to this document may result in a safety or other Federal Agency
WHEN APPLICABLE



101
081830-118190-081830



H/C

BURNIE K. ISAKA
O.C. MGR

BURNIE K. ISAKA

PROFILES
 420 Seventh Avenue
 Beaver Falls, PA 15010
 Phone: (724) 506-1500
 Telex: (800) 777-1553

sales@kaydonprofiles.com
 www.kaydonprofiles.com

1 MEK

01/26/2007

8098758

Page 1 of 2

Sold To:
 Fry Steel
 13325 Molette St
 Santa Fe Springs CA 90670

Ship To:
 CMI Freight
 4201 W. 38th Street
 Chicago IL 60632

Heat #	8098758
W.C.	WCO-01877
Grade	4130
P.O.	44551-1 CO-01142
Reduction	
Part #	4130 ACHT CD HXK T.000 T813 F1 NL
Part Desc.	30820

Certified Chemistry Analysis											
C	Mn	P	S	Si	Cr	Ni	Mo	Pb	W	Co	N
.29	.44	.008	.017	.18	.90	.17	.18				.0065
Cb	V	Ta	Ti	Al	Se	Sn	B	Cu			
.000	.003			.021		.007		.17			

Hardness Results - Jominy Distribution (RC)

J1	J2	J3	J4	J5	J6	J7	J8	J9	J10	J11	J12	J13	J14	J15	J16	J18	J20	J22	J24	J26	J28	J30	J32	J40	J42	D.I.
31	50	47	40	35	32	30	29		27	27	26	25	25	24	24	23	22	22	21	20						

Physical Testing Results (KSI)											
Yield	Tensile	Elong %	ROA%	Charpy Impact	Macro Reports	Hardness Results					
26	132	.18	.74	F14b	S	RC	RB	FF	FF + Partial	Mag Particle	Grain Size
16	132	.17	.67		1	22			NONE	SEV	10

Microanalysis Results

AT	AH	BT	BH	CT	CH	DT	DH	Coating practice	Met Source	Hot Roll Source	Country of Origin
								RUPUBLIC ENGINEERED			USA

CONTROL #: 2008E00176
 QTY: 5170
 PART NO.: MS21921-10
 LOT NO.: 081871-081830

CONTROL #: 2008A00012
 QTY: 8742
 PART NO.: 1-0000 MEK 4130HT
 LOT NO.: 081830



PHC

081871-081830

KEYSTONE PROFILES
 420 Seventh Avenue
 Beaver Falls, PA 15010
 Phone: (724) 508-1500
 Website: (800) 777-1553
 sales@keystoneprofiles.com
 www.keystoneprofiles.com

07/26/2007

Page 2 of 2

Sold To:
 Fry Steel
 13325 Molente St
 Santa Fe Springs CA 90670

Ship To:
 CMI Freight
 4201 W. 35th Street
 Chicago IL 60632

Heat #	6998758
W.O.	WCO-01877
Grade	4130
P.O.	44557-1 CO-01142
Reduction	
Part #	4130 AGENT CD HEX 1.000 T1013 F1 RL
Part Desc.	50820

AO MIL-S-6758, AMS-S-6758, AMS-6348, AMS-2301, AMS-2304,
 ASTM-A-331, PHY COND F-4, 125000 MIN PSI, AM RC 23/32
 (CHEMS ONLY AMS-6370), SPECS TO LATEST REVW DELETE
 CLM.

CONTROL #: 2008E00176 P.O.#: 081871
 QTY: 5170
 PART NO.: MS21921-10
 LOT NO.: 081871-081830

CONTROL #: 2008A00012 P.O.#: 081830
 QTY: 8742
 PART NO.: 1.0000 HEX 4130HT
 LOT NO.: 081830

FOR STEEL CO. CERTIFIES THAT THIS IS
 A TRUE COPY OF THE ORIGINAL MILL TEST
 RECEIPT NOW ON FILE
 RECEIVED AND INSPECTED

AUG 07 2007

[Signature]
 BY: [Signature]
 SUPERVISOR OF QUALITY CONTROL



PHC

We certify the above materials have been inspected and tested in accordance with the methods prescribed in the governing
 specifications and consistent with our Standard Commercial Terms and conditions for Sale, Manufacture, and Shipping. Which are
 incorporated into and made part of this certification. The results of such inspections and tests conform with the applicable
 requirements. This certificate or report shall not be reproduced except in full, without the written approval of
 Keystone Profiles, Ltd.

No material was not exposed to mercury or any metal alloy that is liquid at ambient temperature during processing or while in our
 possession. No welding or post repair was performed on this material.
 The best of our knowledge, there are no sources in the production or processing of steel products which could cause a condition
 whereby that product would contain a detectable quantity of mercury, radium, or other alpha sources.

James Hanson Plant Metallurgist

[Signature]

Int # 081871-081830



3940 LAKESHORE-DRIVE S
PHOENIX: 330-438-5684

SUNFALLA, NY 1
FAX: 330-438-5
May 22, 2007
PAG

CERTIFICATE OF TESTS

REPUBLIC ENGINEERED PRODUCTS

OF 2

PURCHASE ORD: 22645

PART NUMBER:

ORDER NUMBER: 1327021 - 01

HEAT: 8998758

CHARGE ADDRESS

PURCHASE ORDER DATE: 3/7/2007

ACCOUNT NUMBER: 5626-1632-0

SCHEDULE: 0723-64

REVISION: 1

SHIP TO

TURRET INDUSTRIES INC
OFF ROUTE 65
LENTSDALE, PA 15056

TURRET INDUSTRIES INC
Dave Kraus
OFF ROUTE 65
LENTSDALE, PA 15056

MATERIAL DESCRIPTION

HOT ROLLED STEEL BARS ALLOY ASTM A322-91 PG AMS 23013 AMS 2304A MIL S 6758B COND B-1 EXC MARK AMS 6370M EXC COND & HARD AMS 6348C EXC COND AMS S 6758A COND B-1 REVISION DTD 09/03 EXC MARK AMS 6346A EXC COND & MECH PROPERTIES SF-A181-4130 FINE GRAIN VACUUM DEGAUSS AIRCRAFT QUALITY
SIZE: HEX 1.0625 DIAM X 32FT 6.0000IN
HEX 26.9875IN DIAM X 9906.0000IN

LADLE CHEMISTRY

C	MN	P	S	SI	CU	NI	CR
0.29	0.44	0.008	0.017	0.18	0.17	0.17	0.90
V	MO	SN	AL	CB	N		
0.003	0.18	0.007	0.021	0.000	0.0065		

CALCULATED TESTS

REDUCTION RATIO 132.8 TO 1

AUSTENITIC GRAIN SIZE 5 OR FINEER BASED ON A TOTAL ALUMINUM CONTENT EQUAL TO OR GREATER THAN .0204 PER STM A29.

SEMI - FINISHED RESULTS

OMINY HARDNESS TEST

SAE J406/ASTM A255

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 18 20 22 24 26
1 50 47 40 35 32 30 29 28 27 27 26 25 25 24 24 23 22 22 21 20

ACRO ETCH TEST

ASTM E281/MIL STD 430

ETCHANT: HCL TEMPERATURE: 170

1 1 1

CONTROL#: 2008A00012 POK:081830

QTY: 8742

PART NO.: 1.0000 HEX 4130HT

LOT NO.: 081830

NETIC PARTICLE TEST

AMS 2301 AMS2304 AMS2300

IND AVG IND AVG
FREQ FREQ SEV SEV

0 0 0 0

NETIC PARTICLE TEST

AMS 2301 AMS2304 AMS2300

IND AVG IND AVG
FREQ FREQ SEV SEV

0 0 0 0

FINISHED SIZE RESULTS

URBURIZATION TEST

SAE J419/ASTM E1077

DANT - NITAL MAGNIFICATION - 100X

TOTAL
DEPTH
INCHES

0.008

NOTES

A. NERIOLO

FOR QUAL. ASSURANCE

Reliable



CONTROL#: 2008E00176

POK:081871

QTY: 5170

PART NO.: MS21921-10

LOT NO.: 081871-081830

PHC 1/2



081871-081830



Republic

3049 LAKEVIEW-GATE 6
PHONE: 330-438-5694

SUNFALLS, NY 1
FAX: 330-438-5

CERTIFICATE OF TESTS

REPUBLIC ENGINEERED PRODUCTS

May 22, 2007
PAC

OF 2

PURCHASE ORD: 22645

PART NUMBER:

ORDER NUMBER: 1327021 - 01

HEAT: 8998750

PURCHASE ORDER DATE: 3/7/2007

ACCOUNT NUMBER: 5626-1832-1

SCHEDULE: 0723-64

REVISION: 1

REPUBLIC ENGINEERED PRODUCTS HEREBY CERTIFY THAT THE MATERIAL LISTED HEREIN HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE GOVERNING SPECIFICATIONS AND BASED UPON THE RESULTS OF SUCH INSPECTION AND TESTING HAS BEEN APPROVED FOR CONFORMANCE TO THE SPECIFICATIONS.

NOTES (CONTINUED)

CERTIFICATE OF TESTS SHALL NOT BE REPRODUCED EXCEPT IN FULL.

ALL TESTING HAS BEEN PERFORMED USING THE CURRENT REVISION OF THE TESTING SPECIFICATIONS.

RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FED STATUTES TITLE 18 CHAPTER 47.

THE MATERIAL WAS NOT EXPOSED TO MERCURY OR ANY METAL ALLOY THAT IS LIQUID AT AMBIENT TEMPERATURE DURING PROCESSING OR WHILE IN OUR POSSESSION.

NO WELD OR WELD REPAIR WAS PERFORMED ON THIS MATERIAL.

MANUFACTURED IN THE U.S.A.

ESORAH A. STOKES

OTARY PUBLIC, STATE OF OHIO

Y COMMISSION EXPIRES JULY 24, 2007

SOURCE INFORMATION

ELT SOURCE: CANTON CAST ROLL MELT COUNTRY: U.S.A HOT ROLL SOURCE: LACKAWANNA 13in. U.S.A

ELT METHOD: BLOOM RED. RATIO: 132.8

END OF DATA

CC

END OF DATA

X SKIP TO 1 COPY

ATTENTION ARLENE THORNE

1-724-266-7702

LE 1 COPY

Lot # 81871-081830

CONTROL#: 2008A00012 P#N:081830



QTY:

8742

PART NO.: 1.0000 HEX 4130HT

LOT NO.: 081830

CONTROL#: 2008E00176



P#N:081871

QTY:

5170

PART NO.: MS21921-10

LOT NO.: 081871-081830

A. MARILO
CTOR QUAL. ASSURANCE

Rebuilt



PHC 2/2

Apr 10 07 11:22a



15855 Jumper Avenue
Pasadena, CA 92357-0977
951/360-8117
Fax 951/360-8128

Send to Address
P.O. Box 51001-0977
Pasadena, CA 91110-0977

Material Test Report

To: PRECISION COIL SPRING

Date Shipped: 04/12/07

Purchase Order #: 76648 ✓

SWS#: 180170

This is to certify that the material shipped on the above purchase order complies with the specifications noted thereon.

CONTROL#: 2007F00066
PO#: 0A9450
QTY: 35304

PART NO.: MS21914-10 WIRE
LOT NO.: 0A9450-2

Net Units	Size & Form	Type	Heat #	Specifications
552 LBS	.0625/COIL ✓	302 ✓ * Cond A	OFCB	ASTM A 492-95 ✓ BRIGHT ASTMA580-06 ✓

Chemical Analysis ✓

C ✓	Mn ✓	P ✓	S ✓	Si ✓	Cr ✓	Ni ✓	Mo	Cu ✓	Co	N
.0230	1.523	.0300	.0000	.3670	18.24	9.648	.3350	.3490	.1540	.0400

Mechanical Properties

Tensile	Yield	%Elg	%RA	WRAP/BEND	MELT SOURCE
96346 ✓	38734	%40.0 ✓	%59.7 ✓	OK ✓	-NAS-USA- ✓

I hereby certify that the above data is correct as contained in the records of GDM.

By:

Richard L. Macias

Title:

Richard Macias
Shipping Supervisor

Date: 04/12/07
Envirol 4-17-07



RECEIVED

APR 18 2007

Precision Coil Spring Co.

GDM certifies that the materials listed herein are represented to the customer as stated to GDM by the mill source and attested to by said mill's Test Report with respect to chemical analysis. Other properties stated herein are certified to be representative of tests performed by GDM with exception of those performed by the mill source in which case they are a restatement of the Test Report as supplied to us by the mill source.

OFFICE COPY



PAC

Lot #

0A9450-2



TIME: 13:05:40

RECEIPT TRAVELLER: A113725

MODEL: A113725

VENDOR: 13512

MAN AEROSPACE HARDWARE, INC.

PURCHASE ORDER: 926617

DATE RECEIVED: 8/22/08

BUYER: PLG

RECEIVING:

LINE QUANTITY PART NO./DESCRIPTION
ITEM RECEIVED

1 700 MS21914-10
CAP

VENDOR ITEM#:

DASH GROUP: MS21914-

QUALITY PROCUREMENT CLAUSES: ACCEPT

REV: 1 Std Pkg Size:

QUALITY ASSURANCE:

DEPT. WORK OPERATION/DESCRIPTION
NO. CENTER NUMBER

SCHEDULE
DATE

SAMPLE SIZE	QUANTITY ACCEPTED	QUANTITY REJECTED	MANUFACTURER LOT	BATCH NO.	CURE DATE	HPG LOT #
32	700	0	2008200515	1	1	0808034885

Quality Documents: A Manufacturer's C of C
Manufactured by: 14300 NELSON AEROSPACE, INC.

INSPECTION NOTES: *tc*

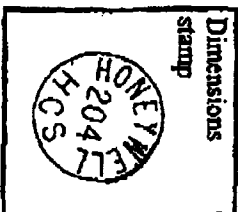
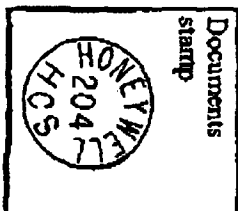
STAGING: WAREHOUSE NUMBERS

LOCATION ADDRESS

QUANTITIES
LOC: 32A82A 32B81A 32A82A 32B81A 32B81A 32B81A

<<< End of Form >>>

Act





MATERIAL CERTIFICATION

CORRESPONDENCE: P.O. BOX 5137, CHICAGO, ILLINOIS 60680-5137
PHONE: (708) 735-8000 (800) 323-2780
FACSIMILE: (708) 735-8100

PRINT DATE	8/09/07	PAGE	1
SALES ORDER NUMBER	234416	REVISION	
PACK SLIP NUMBER	90976	INVOICE NUMBER	0027154F

BRALCO METALS DIVISION
RELIANCE STEEL & ALUMINUM CO.
15090 NORTHAM STREET
LA MIRADA
CA 90638-5757

BRALCO METALS DIVISION
RELIANCE STEEL & ALUMINUM CO.
C/O CMT FREIGHT, INCORPORATED
4201 WEST 36TH STREET
CHICAGO
IL 60623

LINE	COREY PART NUMBER	DESCRIPTION	QUANTITY	UOM
------	-------------------	-------------	----------	-----

43-65341	6/26/07	JTRENKLE	165210	1001	8/08/07
----------	---------	----------	--------	------	---------

1 7160275 10,235.000 L.B.
SIZE: .8095/.8125" ROUND X 144" C-1137 .10 MAXIMUM SILICON
COARSE GRAIN PRACTICE COLD DRAWN STEEL BARS

Heat Number: 794330 Number of SKU's: 6 Total: 10,235.000 L.B.
Lot Number: 0707000575

C	.360	MN	1.430	P	.014	S	.110	SI	.070
CU	.250	CR	.120	V	.004	NI	.090	MO	.030
AL	.003	TI	.001	CB	.002				

MILL SOURCE: MITTAL STEEL USA INC.

COMPLIES TO LATEST ISSUE OF ASTM A 108

CONTROL#: 2008E00024 PO#: 0B0507
QTY: 9000
PART NO.: M521914-10 INSERT C1137
LOT NO.: 0B0507-0B0503

CONTROL#: 2007H00224 PO#: 0B0503
QTY: 10235
PART NO.: .8125 RD C1137
LOT NO.: 0B0503



WE CERTIFY THAT THE CHEMICAL ANALYSIS AND MECHANICAL PROPERTIES REPORTED ABOVE ARE CORRECT AS CONTAINED IN THE RECORDS OF THE CORPORATION. SELLER MAKES NO WARRANTY OF MERCHANTABILITY OF GOODS OR OF THEIR FITNESS FOR ANY PARTICULAR PURPOSES.

Corey
DEBRA A. DUKER, Manager

15004-9/02

1 to: NELSON AEROSPACE PO: 0B0503-0002638 Part: Order No.: 370391
clerk signature: _____



Lot #: 0B0507-0B0503
P/C

Order No: 2565025
Time 15:55:17



FRY STEEL COMPANY
Registered ISO 9001
13325 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

N00580
Cust. NO.: OB1830
P.O. NO.:

CERTIFICATE OF COMPLIANCE

NELSON AERO SPACE INC.
10310 NORRIS AVE
ONE PO # ORDER
PACOIMA CA 91331

12/04/07

QTY	-DESCRIPTION-	-ITEM CODE-	-HEAT NUMBER-
	CD 4130 HT MILS 6857 RED		
	BARS 1" HEX 8719 LBS. REQ'D	12'R/L 50820	8998758 ✓
	TOL OK KEN-ROB		

CONTROL# : 2008E00176
PO# : OB1871
QTY : 5170
PART NO. : MS21921-10
LOT NO. : OB1871-OB1830

CONTROL# : 2008A00012
PO# : OB1830
QTY : 8742
PART NO. : 1.0000 HEX 4130HT
LOT NO. : OB1830

NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.
EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATION.

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WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED CONDITION. 'DEFECT FREE' MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT

The careful recording of data, notations or transcribed statements on this document may result in a liability under federal statutes.
WHEN APPLICABLE



Bunnie K. Isaka

BUNNIE K. ISAKA
Q.C. MGR



AHC

Lot # 0B1871-OB1830

PROFILES
420 Seventh Avenue
Beverly Hills, PA 15010
Phone: (724) 506-1500
Fax: (800) 777-1553

sales@kaydonprofiles.com
www.kaydonprofiles.com

1 MEX

07/26/2007

89987958

Page 1 of 2

Sold To:
Fry Steel
13325 Molite St
Santa Fe Springs CA 90670

Ship To:
CMI Freight
4201 W. 36th Street
Chicago IL 60632

Heat #	89987958
W/O	WCO-01877
Grade	4130
P.O.	44557-1 CO-01142
Reduction	
Part #	4130 ADHT CD HEX 1.000 TT13 FT RL
Part Desc.	50820

Certified Chemical Analysis											
C	Mn	P	S	Si	Cr	Ni	Mo	Pb	W	Co	N
.28	.44	.008	.017	.18	.90	.17	.18				.0065
Cb	V	Ta	Ti	Al	Se	Sn	B	Cu			
.000	.003			.021		.007		.17			

Hardenability Results - Jominy Distribution (RC)

J1	J2	J3	J4	J5	J6	J7	J8	J9	J10	J11	J12	J13	J14	J15	J16	J17	J18	J19	J20	J22	J24	J26	J28	J30	J32	J40	J42	D.I.
11	50	47	40	35	32	30	29		27	27	26	25	25	24	24	23	22	22	22	21	20							

Physical Testing Results (KSI)											
Yield	Tensile	Elong %	ROA %	Charpy Impact	FTLB	Micro Reports					
26	132	.18	.74			S	R	C	BHN	RC	RB
16	132	.17	.67			1	1	1	22		

Crackability Results

AT	AH	BT	BH	CT	CH	DT	DH	Coating practice	Mat Source	Heat Source	Hot Roll Source	Country of Origin
									RUPUBLIC ENGINEERED			USA

CONTROL #: 2008E00176 P.O.#: 081871
QTY: 5170
PART NO.: MS21921-10
LOT NO.: 081871-081830

CONTROL #: 2008A00012 P.O.#: 081830
QTY: 8742
PART NO.: 1.0000 HEX 4130HT
LOT NO.: 081830



PHC

081871-081830

PROFILES
220 Seventh Avenue
Beverly Hills, PA 15010
Phone: (724) 506-1500
Fax: (724) 506-1503

sales@krytoxprofiles.com
www.krytoxprofiles.com

Sold To:
Fry Steel
13325 Mallette St
Santa Fe Springs CA 90670

Ship To:
CMI Freight
4201 W. 36th Street
Chicago IL 60632

AQ MIL-S-6758, AMS-S-6758, AMS-6346, AMS-2301, AMS-2304,
ASTM-A-331, PHV COND F-4, 125000 MIN PSI, AM RC 23/32
(CHEMS ONLY AMS-6370), SPECS TO LATEST RFR, RELEVE
CLM.

CONTROL #: 2008E00176 P.O. #: 081871
QTY: 5170
PART NO.: MS21921-10
LOT NO.: 081871-081830

CONTROL #: 2008A00012 P.O. #: 081830
QTY: 8742
PART NO.: 1.0000 HEX 4130MT
LOT NO.: 081830

certify the above materials have been inspected and tested in accordance with the methods prescribed in the governing
 specifications and consistent with our Standard Commercial Terms and conditions for Sale, Manufacture, and Shipping. Which are
 incorporated into and made part of the certification. The results of such inspections and tests conform with the applicable
 requirements. This certificate or report shall not be reproduced except in full, without the written approval of
 Krytox Profiles, Ltd.

No material was not exposed to mercury or any metal alloy that is liquid at ambient temperature during processing or while in our
 possession. The welding or joint repair was performed on this material.
 the best of our knowledge, there are no sources in the production or processing of above products which could create a condition
 whereby that product would contain a detectable quantity of mercury, radium, or other alpha sources.

07/26/2007

Page 2 of 2

Heat #	8998758
W.O.	WO-01877
Grade	4130
P.O.	44531-1 CO-01142
Reduction	
Part #	4130 ADHIT CD HEX 1.000 11713 FTRC
Part Desc.	50820

WE CERTIFY THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
RECEIVED AND INSPECTED

AUG 07 2007

[Signature]
BY: *[Signature]*
FOR: KRYTOX PROFILES, LTD.



PHC

James Mason Plant Metallurgical

Lot # 081871-081830



CERTIFICATE OF TESTS

3040 LAKESHORE-ROUTE 6
ENGINEERED PRODUCTS PHOENIX: 330-430-5654

REPUBLIC ENGINEERED PRODUCTS

BUFFALO, NY 1

FAX: 330-430-5

May 22, 2007

PAG

OF 2

PURCHASE ORD: 22645

PART NUMBER:

ORDER NUMBER: 1327021 - 01

HEAT: 8998758

CHARGE ADDRESS

PURCHASE ORDER DATE:

3/7/2007

ACCOUNT NUMBER:

5626-1632-0

SCHEDULE:

0723-64

REVISION:

1

SHIP TO

TURKEY INDUSTRIES INC

OFF ROUTE 65

LENTSDALE, PA 15056

TURKEY INDUSTRIES INC

Dave Kraus

OFF ROUTE 65

LENTSDALE, PA 15056

MATERIAL DESCRIPTION

HOT ROLLED STEEL BARS ALLOY ASTM A322-91 PG AMS 23010 AMS 2304A MIL S 6750B COND B-1 EXC MARK AMS 6370K EXC COND & HARD AMS 6340C EXC COND AMS S 6750A COND B-1 REVISION DTD 09/03 EXC MARK AMS 6346A EXC COND & MECH PROPERTIES EF-AISI-4130 FINE GRAIN VACUUM DEGAUSS AIRCRAFT QUALITY
SIZE: HEX 1.0625 DIAM X 12FT 6.0000IN
HEX 26.9875MM DIAM X 9906.0000MM

LADLE CHEMISTRY

C	MN	P	S	SI	CU	NI	CR
0.29	0.44	0.008	0.017	0.18	0.17	0.17	0.90
V	NO	SN	AL	CB	N		
0.003	0.18	0.007	0.021	0.000	0.0065		

CALCULATED TESTS

REDUCTION RATIO 132.8 TO 1

AUSTENITIC GRAIN SIZE 5 OR FINEER BASED ON A TOTAL ALUMINUM CONTENT EQUAL TO OR GREATER THAN .020% PER STM A29.

SEMI - FINISHED RESULTS

OMINY HARDNESS TEST

SAE J406/ASTM A255

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20	22	24	26	
1	50	47	40	35	32	30	29	28	27	27	26	25	25	24	24	23	22	22	21	20

MICRO ETCH TEST

ASTM E381/MIL STD 430

ETCHANT: HCL TEMPERATURE: 170

	S	R	C
0	1	1	1

METRIC PARTICLE TEST

AMS 2301 AMS2304 AMS2300

	IND	AVG	IND	AVG
	FREQ	FREQ	SEV	SEV
03	0	0	0	0

METRIC PARTICLE TEST

AMS 2301 AMS2304 AMS2300

	IND	AVG	IND	AVG
	FREQ	FREQ	SEV	SEV
03	0	0	0	0

FINISHED SIZE RESULTS

URBORIZATION TEST

SAE J419/ASTM E1077

DANT - MITAL MAGNIFICATION - 100X

	TOTAL
	DEPTH
	INCHES
11	0.008

NOTES

A. NERILO

FOR QUAL. ASSURANCE

Relish

CONTROL# 2008E00176

PON:081871

QTY: 5170

PART NO.: MS21921-10

LOT NO.: 081871-081830



PHC 1/2

17 # 081871-081830



Republic

CERTIFICATE OF TESTS

3045 LAKESIDE DRIVE
PHOENIX: 330-438-4694
REPUBLIC ENGINEERED PRODUCTS

SUNFALLS, NY 1
FAX: 330-438-9
May 22, 2007
PAC

OF 2

PURCHASE ORD: 22645

PART NUMBER:

ORDER NUMBER: 1127021 - 01

HEAT: 8998750

PURCHASE ORDER DATE: 3/7/2007
ACCOUNT NUMBER: 5625-1832-1
SCHEDULE: 0723-64
REVISION: 1

REPUBLIC ENGINEERED PRODUCTS HEREBY CERTIFY THAT THE MATERIAL LISTED HEREIN HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE GOVERNING SPECIFICATIONS AND BASED UPON THE RESULTS OF SUCH INSPECTION AND TESTING HAS BEEN APPROVED FOR CONFORMANCE TO THE SPECIFICATIONS.

NOTES (CONTINUED)

CERTIFICATE OF TESTS SHALL NOT BE REPRODUCED EXCEPT IN FULL.

ALL TESTING HAS BEEN PERFORMED USING THE CURRENT REVISION OF THE TESTING SPECIFICATIONS.

RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FED STATUTES TITLE 18 CHAPTER 47.

THE MATERIAL WAS NOT EXPOSED TO MERCURY OR ANY METAL ALLOY THAT IS LIQUID AT AMBIENT TEMPERATURE DURING PROCESSING OR WHILE IN OUR POSSESSION.

NO WELD OR WELD REPAIR WAS PERFORMED ON THIS MATERIAL.

MANUFACTURED IN THE U.S.A.

EBORAH A. STOKES
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES JULY 24, 2007

SOURCE INFORMATION

SLT SOURCE: CANTON CAST ROLL MELT COUNTRY: U.S.A HOT ROLL SOURCE: LACKAWANNA 131N, U.S.A
SLT METHOD: BLOOM RED. RATIO: 132.8

END OF DATA

CC

END OF DATA

1X SHIP TO 1 COPY ATTENTION ARLENE THORNE 1-724-266-7702
1E 1 COPY

Lot # 881871-081830
A. NERILO
CTOR QUAL. ASSURANCE
Reliable

CONTROL#: 2008A00012 POW:081830
QTY: 8742
PART NO.: 1.0000 HEX 4130HT
LOT NO.: 081830

CONTROL#: 2008E00176 POW:081871
QTY: 5170
PART NO.: MS21921-10
LOT NO.: 081871-081830



PHC 2/2

Apr 10 07 11:22a



15555 Arroyo Avenue
Anaheim, CA 92817-4383
951/366-8117
FAX: 951/366-8118

Send to Address:
P.O. Box 51001-0877
Pasadena, CA 91110-0877

Material Test Report

To: PRECISION COIL SPRING
Purchase Order #: 76648 ✓

Date Shipped: 04/12/07
SW# #: 180170

This is to certify that the material shipped on the above purchase order
complies with the specifications noted thereon.

CONTROL #: 2007F00066

PO#: 0A9450

QTY: 35304

PART NO.: MS21914-10 WIRE

LOT NO.: 0A9450-2

Net Units	Size & Form	Type	Heat #	Specifications
552 LBS	.0625/COIL ✓	302 ✓ * Cond A	OPCB	ASTM A 994-95 ✓ BRIGHT ASTMA580-06 ✓

Chemical Analysis ✓

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.0230	1.323	.0300	.0000	.3670	18.24	9.648	.3350	.3490	.1540	.0400

Mechanical Properties

Tensile	Yield	%Elg	%RA	WRAP/BEND	MELT SOURCE
96346 ✓	38734	%40.0 ✓	%59.7 ✓	OK ✓	-NAS-USA- ✓

I hereby certify that the above
data is correct as contained in
the records of GDM.

By:

Richard Macias

Title:

Richard Macias
Shipping Supervisor

Date: 04/12/07
Revised 4-17-07



RECEIVED

APR 18 2007

Precision Coil Spring Co.

GDM certifies that the materials listed herein are represented to the
customer as stated to GDM by the mill source and attested to by said
mill's Test Report with respect to chemical analysis. Other properties stated herein are
certified to be representative of tests performed by GDM with exception
of those performed by the mill source in which case they are a restatement of the
Test Report as supplied to us by the mill source.

OFFICE COPY



PHC

Lot #

0A9450-2



PRECISION COIL SPRING COMPANY

10107 ROSE ST.
EL MONTE, CA 91731 928 444-0661 FAX 928 444-3712

Certificate Of Conformance

Packing Slip Number : 62468

Customer Purchase Order ID : 0001490

Sales Order ID : 50670

Ship Date : 6/6/2007

Page Number : 1 of 1

Sold To: NELS
NELSON AEROSPACE
10310 NORRIS AVENUE
PACOIMA, CALIFORNIA 91331

CONTROL#: 2007F00066 POK: 0A9450
QTY: 35304
PART NO.: MS21914-10 WIRE
LOT NO.: 0A9450-2

Order Date: 3/21/2007

Ship Method: WILL CALL

Bill of Lading:

Territory: 10

FOB: El Monte, California

Line/ Cont PO Line No.	Part ID/ Cont Part ID	Part Name	Req. Qty	Ship Qty	EO Qty
1	MS21914-10	REV B PER AS21914, WIRE FORM (302)	45,000.00 Each	45,000.00 Each	0.00 Each

Lot Number: 32338

Specification: ASTM-A-493 Rev. 95 STANDARD SPECIFICATION FOR STAINLESS STEEL WIRE AND WIRE RODS FOR COLD HEADING AND COLD FORGINS

302 ANNEALED

Vendor	Certification #	Quantity
GERARD DANIEL WORLDWIDE	71302	10298.00

Specification: AMS 2700 Rev. B PASSIVATION OF CORROSION RESISTANT STEELS
METHOD 1, TYPE 6 OR 7, CLASS 1

Vendor	Certification #	Quantity
ACTIVE MAGNETIC INSPECTION	450292	10298.00

Lot Number: 34178

Specification: ASTM-A-493 Rev. 95 STANDARD SPECIFICATION FOR STAINLESS STEEL WIRE AND WIRE RODS FOR COLD HEADING AND COLD FORGINS

302 ANNEALED

Vendor	Certification #	Quantity
GERARD DANIEL WORLDWIDE	78648	35304.00

Specification: AMS 2700 Rev. B PASSIVATION OF CORROSION RESISTANT STEELS
METHOD 1, TYPE 6 OR 7, CLASS 1

Vendor	Certification #	Quantity
ACTIVE MAGNETIC INSPECTION	487249	35304.00



Special Instructions:

forementioned materials or parts were produced in conformance with all contractually applicable customer or government specifications. The materials used in to all applicable specifications and their chemical and/or physical test reports are on file. Evidence of conformance is available for examination upon request. said processes were performed by a facility and/or personnel specially approved or certified.

CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL.



A. Goering - President

Lot # 0A9450-2

SPC



MATERIAL CERTIFICATION

CORRESPONDENCE: P.O. BOX 5137, CHICAGO, ILLINOIS 60680-5137
PHONES: (708) 735-8000 (800) 323-2750
FACSIMILE: (708) 735-8100

PRINT DATE	8/09/07	PAGE	1
SALES ORDER NUMBER	234416	REVISION	
PACK SLIP NUMBER	90976	INVOICE NUMBER	00271545

BRALCO METALS DIVISION
RELIANCE STEEL & ALUMINUM CO.
15090 NORTHAM STREET
LA MIRADA
CA 90638-5757

BRALCO METALS DIVISION
RELIANCE STEEL & ALUMINUM CO.
C/O CMT FREIGHT, INCORPORATED
4201 WEST 36TH STREET
CHICAGO
IL 60623

LINE	COREY PART NUMBER	DESCRIPTION	QUANTITY	UOM
------	-------------------	-------------	----------	-----

43-65341	6/26/07	JTRENKLE	165210	1001	8/08/07
----------	---------	----------	--------	------	---------

1	7160275	10,235.000	LB
SIZE: .8095/.8125" ROUND X 144" C-1137		.10 MAXIMUM SILICON	
COARSE GRAIN PRACTICE		COLD DRAWN STEEL BARS	

Heat Number: 794330
Lot Number: 0707000575
Number of SKU's: 5
Total: 10,235.000 LB

C	.360	MN	1.430	P	.014	S	.110	SI	.070
CU	.250	CR	.120	V	.004	NI	.090	MO	.030
AL	.003	TI	.001	CH	.002				

MILL SOURCE: MITTAL STEEL USA INC.

COMPLIES TO LATEST ISSUE OF ASTM A 108

CONTROL#: 2008E00024 PO#:080507
QTY: 9000
PART NO.: MS21914-10 INSERT C1137
LOT NO.: 080507-080503

CONTROL#: 2007H00224 PO#:080503
QTY: 10235
PART NO.: .8125 RD C1137
LOT NO.: 080503



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Debra A. Duke, Manager

15004-R102

1 to: NELSON AEROSPACE PO: 080503-0002628 Part: Order No.: 370391
clerk signature: _____



PHC

Lot # 080507-080503

Order No: 2565025
Time 15:55:17



FRY STEEL COMPANY
Registered ISO 9001
13925 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

N00580
Cust. NO.: 081830
P.O. NO.:

CERTIFICATE OF COMPLIANCE

NELSON AERO SPACE INC.
10310 NORRIS AVE
ONE PO # ORDER***
PACOMA CA 91331

12/04/07

QTY	DESCRIPTION	ITEM CODE	HEAT NUMBER
	CD 4130 HT MILS 6857 RED		
	BARB 1"HEX 8719 LBS. REQ'D	12'R/L 50820	8998758
	TOL OK KEN-ROB		

CONTROL# : 2008E00176
PO# : 081871
QTY : 5170
PART NO. : NS21921-10
LOT NO. : 081871-081830

CONTROL# : 2008A00012
PO# : 081830
QTY : 8742
PART NO. : 1.0000 HEX 4130HT
LOT NO. : 081830

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WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED CONDITION. 'DEFECT FREE' MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT

The willful recording of false, fictitious or fraudulent statements on this document may result in a felony under federal statutes.
*WHEN APPLICABLE



Bunnie K. Isaka

BUNNIE K. ISAKA
Q.C. MGR



AHC

Lot # 081871-081830

PROFILES
420 Seventh Avenue
Beverly Hills, PA. 15010
Phone: (724) 505-1500
Fax: (800) 777-1555

sales@krytoxprofiles.com
www.krytoxprofiles.com

07/28/2007

8998758

Page 1 of 2

Sold To:
Fry Steel
13325 Molete St
Santa Fe Springs CA 90670

Ship To:
CMI Freight
4201 W. 36th Street
Chicago IL 60632

Heat #	8998758
W.D.	WC-01877
Grade	4130
P.O.	48557-1 CO-011742
Reduction	
Part #	4130 ADHT CD HEX T1000 T1173 F1 RL
Part Desc.	30820

Certified Chemistry Analysis															
C	Mn	P	S	Si	Cr	Ni	Mo	Pb	W	Co	N				
.29	.44	.008	.017	.18	.90	.17	.18				.0065				
Cb	V	Ta	Ti	N	Se	Sn	B	Cu							
.000	.003			.021		.007		.17							

Hardness Results - Jominy Distribution (RC)

J1	J2	J3	J4	J5	J6	J7	J8	J9	J10	J11	J12	J13	J14	J15	J16	J18	J20	J22	J24	J26	J28	J30	J32	J40	J42	D.L.
11	50	47	40	35	32	30	29		27	27	26	25	25	24	24	23	22	22	21	20						

Physical Testing Results (ASTM)				Chemical Impact		Macro Reports			Hardness Results			Decarb		Mag Particle		Grain Size	
Yield	Tensile	Elong %	ROAM	Temp (°F)	FTLB	S	R	C	BHN	RC	RB	FF	FF + Penet	NONE	Free	SEV	
26	132	.18	.74			1		1		22						.000	
16	132	.17	.67													.000	10

Microhardness Results

AT	AM	BT	BH	CT	CH	DT	DH	Coating Practice	Heat Source	Heat Treat Source	Country of Origin
									RUPUBLIC ENGINEERED		USA

CONTROL #: 2008ED0176
PART NO.: MS21921-10
QTY: 5170
PQ#: 081871

CONTROL #: 2008A00012
PART NO.: 1.0000 HEX 4130NT
LOT NO.: 081830
PQ#: 081830
QTY: 8742

MA
DEC
125

KEYWELL
204
HCS

PHC

PART NO.: MS21921-10
LOT NO.: 081871-081830

081871-081830

PROFILES
420 Seventh Avenue
Beverly Hills, PA 15010
Phone: (724) 508-1500
Fax: (800) 777-1553
sales@keystoneprofiles.com
www.keystoneprofiles.com

07/26/2007

Page 2 of 2

Sold To:
Fry Steel
13325 Molete St
Santa Fe Springs CA 90670

Ship To:
CMI Freight
4201 W. 36th Street
Chicago IL 60632

AQ ML-S-6758, AMS-S-6758, AMS-6346, AMS-2301, AMS-2304,
ASTM-A-331, PHY COND F-4, 125000 MIN PSI, AM R/C 23/32
(CHEMS ONLY AMS-6370), SPECS TO LATEST RFRS, RELETTE
CLM.

CONTROL #: 2008E00176 PO#: 081871
QTY: 5170
PART NO.: MS21921-10
LOT NO.: 081871-081830

CONTROL #: 2008A00012 PO#: 081830
QTY: 8742
PART NO.: 1.0000 HEX 4130HT
LOT NO.: 081830

Heat #	8998758
W.O.	WO-07877
Grade	4130
P.O.	44551-1 CO-07142
Reduction	
Part #	4130 AQHT CO HEX 1.0000 T1713 F1 RL
Part Desc.	50820

KEY STEEL CO. CERTIFIES THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
REMOVED AND INSPECTED

AUG 07 2007

[Signature]
BY: *[Signature]*
FOR: KEY STEEL CO. (C) 2007



PHC

We certify the above materials have been inspected and tested in accordance with the methods prescribed in the governing
specifications and consistent with our Standard Commercial Terms and conditions for Sale, Manufacture, and Shipping. Which are
incorporated into and made part of this certification. The results of such inspections and tests conform with the applicable
requirements. This certificate or report shall not be reproduced except in full, without the written approval of
KeyStone Profiles, Ltd.

No material was not exposed to mercury or any metal alloy that is liquid at ambient temperature during processing or while in our
possession. No welding or joint repair was performed on this material.
The best of our knowledge, there are no sources in the production or processing of steel products which could create a condition
whereby that product would contain a detectable quantity of mercury, radium, or other alpha sources.

Jawed Hasan Plant Metallurgical

[Signature]

int # 081871-081830



3040 LAKESHORE-ROUTE 6
PHOENIX: 330-438-8484

BUFFALO, NY 1
FAX: 330-438-8
May 22, 2007
PAG

CERTIFICATE OF TESTS

REPUBLIC ENGINEERED PRODUCTS

OF 2

PURCHASE ORD: 72645
PART NUMBER:
ORDER NUMBER: 1327021 - 01
HEAT: 8998758
CHARGE ADDRESS

PURCHASE ORDER DATE: 3/7/2007
ACCOUNT NUMBER: 5624-1832-0
SCHEDULE: 0723-61
REVISION: 1

SHIP TO

TURNEY INDUSTRIES INC
OFF ROUTE 65
LESTSDALE, PA 15056

TURNEY INDUSTRIES INC
Dave KESUS
OFF ROUTE 65
LESTSDALE, PA 15056

MATERIAL DESCRIPTION

HOT ROLLED STEEL BARS ALLOY ASTM A322-91 FG AMS 2301J AMS 2304A MIL S 6758B COND B-1 EXC MARK AMS 6370M EXC COND & MARK AMS 6348C EXC COND AMS S 6758A COND B-1 REVISION DTD 09/03 EXC MARK AMS 6346A EXC COND & MECH PROPERTIES EP-AISI-4130 FINE GRAIN VACUUM DEGAUSS AIRCRAFT QUALITY
SIZE: HEX 1.0625 DIAM X 32PT 6.0000IN
HEX 26.9875MM DIAM X 9906.0000MM

LADLE CHEMISTRY

C	MS	P	S	SI	CU	NI	CR
0.29	0.44	0.008	0.017	0.18	0.17	0.17	0.90
V	MO	SN	AL	CB	N		
0.003	0.18	0.007	0.021	0.000	0.0065		

CALCULATED TESTS

REDUCTION RATIO 132.8 TO 1

AUSTENITIC GRAIN SIZE 5 OR FINEER BASED ON A TOTAL ALUMINUM CONTENT EQUAL TO OR GREATER THAN .0204 PER STM A29.

SEMI - FINISHED RESULTS

OMINY HARDNESS TEST

SAE J406/ASTM A255

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 18 20 22 24 26
1 30 47 40 39 32 30 29 28 27 27 26 25 25 24 24 23 22 22 21 20

ACRO ETCH TEST

ASTM E381/MIL STD 430

ETCHANT: HCL TEMPERATURE: 170

S R C
1 1 1

CONTROL#: 2008AD0012 PON:OB1830

QTY: 8742

PART NO.: 1.0000 HEX 4130HT

LOT NO.: OB1830

METRIC PARTICLE TEST

AMS 2301 AMS2304 AMS2300

IND AVG IND AVG
FREQ FREQ SEV SEV

E 03 0 0 0 0

METRIC PARTICLE TEST

AMS 2301 AMS2304 AMS2300

IND AVG IND AVG
FREQ FREQ SEV SEV

03 0 0 0 0

FINISHED SIZE RESULTS

URBURIZATION TEST

SAE J419/ASTM E1077

WANT - MITAL MAGNIFICATION - 100X

TOTAL
DEPTH
INCHES

11 0.008

NOTES

A. NERILO
FOR QUAL. ASSURANCE

Revised



CONTROL#: 2008E00176 PON:OB1871

QTY: 5170

PART NO.: MS21921-10

LOT NO.: OB1871-OB1830



PHC 1/2

OB1871-OB1830



CERTIFICATE OF TESTS

1049 LAKESIDE DRIVE
PHOENIX: 330-438-5699

REPUBLIC ENGINEERED PRODUCTS

SUFFALO, NY 1
FAX: 330-438-5
May 22, 2007
PAC

OF 2

PURCHASE ORD: 22645

PART NUMBER:

ORDER NUMBER: 1327021 - 01

HEAT: 8998758

PURCHASE ORDER DATE: 3/7/2007
ACCOUNT NUMBER: 5625-1832-1
SCHEDULE: 0721-64
REVISION: 1

REPUBLIC ENGINEERED PRODUCTS HEREBY CERTIFY THAT THE MATERIAL LISTED HEREIN HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE GOVERNING SPECIFICATIONS AND BASED UPON THE RESULTS OF SUCH INSPECTION AND TESTING HAS BEEN APPROVED FOR CONFORMANCE TO THE SPECIFICATIONS.

NOTES (CONTINUED)

CERTIFICATE OF TESTS SHALL NOT BE REPRODUCED EXCEPT IN FULL.

ALL TESTING HAS BEEN PERFORMED USING THE CURRENT REVISION OF THE TESTING SPECIFICATIONS.

RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER PRO STATUTES TITLE 18 CHAPTER 47.

THE MATERIAL WAS NOT EXPOSED TO MERCURY OR ANY METAL ALLOY THAT IS LIQUID AT AMBIENT TEMPERATURE DURING PROCESSING OR WHILE IN OUR POSSESSION.

NO WELD OR WELD REPAIR WAS PERFORMED ON THIS MATERIAL.

MANUFACTURED IN THE U.S.A.

EROMAN A. STOKES

NOTARY PUBLIC, STATE OF OHIO

MY COMMISSION EXPIRES JULY 24, 2007

SOURCE INFORMATION

SLT SOURCE: CANTON CAST ROLL MELT COUNTRY: U.S.A HOT ROLL SOURCE: LACKAWANNA 131n, U.S.A
SLT METHOD: BLOOM RED. RATIO: 132.8

END OF DATA CC END OF DATA
X SHIP TO 1 COPY ATTENTION ARLINE THORNE 1-724-266-7702
LE 1 COPY

CONTROL#: 2008A00012 POW:0B1830
PART NO.: 1.0000 HEX 4130HT
LOT NO.: 0B1830

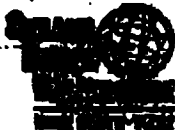
CONTROL#: 2008E00176 POW:0B1871
PART NO.: MS21921-10 QTY: 5170
LOT NO.: 0B1871-0B1830

A. NERILO
NOTOR QUAL. ASSURANCE



HC 2 1/2

Apr 16 07 11:22a



19445 Jergens Avenue
Pacifica, CA 92137-6943
TEL: 650-44-8117
FAX: 650-44-8118

Mail to Address:
P.O. Box 51001-0877
Pacifica, CA 91110-0877

Material Test Report

To: PRECISION COIL SPRING

Date Shipped: 04/12/07

Purchase Order #: 76648 ✓

SWS#: 180170

This is to certify that the material shipped on the above purchase order complies with the specifications noted thereon.

CONTROL #: 2007F00066
QTY: 35304
PART NO.: MS21914-10 WIRE
LOT NO.: 0A9450-2

Lot Units	Size & Form	Type	Heat #	Specifications
552 LBS	.0625/COIL ✓	302 ✓ * Cond A	OPCB	ASTM A 925-95 ✓ BRIGHT ASTMA580-06 ✓

Chemical Analysis

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.0230	1.523	.0300	.0000	.3670	18.24	9.648	.3350	.3490	.1540	.0400

Mechanical Properties

Tensile	Yield	%Elg	%RA	WRAP/BEND	MELT SOURCE
96346 ✓	38734	%40.0 ✓	%59.7 ✓	OK ✓	-NAS-USA- ✓

I hereby certify that the above data is correct as contained in the records of GDM.

By:

Richard Macias

Title:

Richard Macias
Shipping Supervisor

Date: 04/12/07
Revised 4-17-07



RECEIVED

APR 18 2007

Precision Coil Spring Co.

GDM certifies that the materials listed herein are represented to the customer as stated to GDM by the mill source and attested to by said mill's Test Report with respect to chemical analysis. Other properties stated herein are certified to be representative of tests performed by GDM with exception of those performed by the mill source in which case they are a restatement of the Test Report as supplied to us by the mill source.

OFFICE COPY



PHC

Lot #

0A9450-2



M & M Aerospace Hardware, Inc.

SO:73B5N

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2800 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.mmaero.com

INVOICE NUMBER

R69858

SOLD TO:

022253

HCS/M&M AEROSPACE

PO BOX 981157

EL PASO, TX 79998-1157

SHIP TO:

HCS/M&M AEROSPACE

700 HENRIETTE CREEK RD

ROANOKE, TX 76262

PAGE 1

ORDER NO.	DATE	SHIP VIA	TERMS	FOB			
0926617	08/18/08	UPS GRD COLL	1&10, NET 30	FOB-MIAMI			
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION	PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
1	700	MS21914-10 MFR: NELSON AEROSPACE CTRL# : 2008F01195 LOT# : 0B0507-0B0503 LOT QTY: 700 *** SHIPPED 5 CTNS *** # 1=CTN 16# 10 OZ. # 2=CTN 23# 7 OZ. # 3=CTN 23# 7 OZ. # 4=CTN 23# 7 OZ. # 5=CTN 23# 7 OZ. FREIGHT ACCT# 9AV627 TEL# DIMENSIONS: 9X9X8 DIMENSIONS: 9X9X8 DIMENSIONS: 9X9X8 DIMENSIONS: 9X9X8 DIMENSIONS: 9X9X8 blf 73B5N3 SHIPPED ON: 08/18/08 INVOICE#..... R69858 ORDER#..... 73B5N3		EA	0	700	

MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY M & M AEROSPACE

WE HEREBY CERTIFY THAT ALL PROVISIONS OF THE FAIR LABOR STANDARDS ACT ON JUNE 25, 1983, AS AMENDED, HAVE BEEN FULLY COMPLIED WITH IN THE MANUFACTURE, PRODUCT PURCHASE OF GOODS LISTED HEREON.
ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE. ALL PAST DUE ACCOUNTS SHALL BEAR INTEREST AT THE RATE OF 1 1/4% MONTH (18% PER ANNUM).

MATERIAL CERTIFICATION
M & M AEROSPACE HARDWARE, INC. ("M & M AEROSPACE") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS SPECIFICATIONS OF THE RESPECTIVE MANUFACTURERS. M & M AEROSPACE DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF M & M AEROSPACE IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT OF ANY ITEM WHICH IS REJECTED BECAUSE OF A MATERIAL OR WORKMANSHIP. SUCH REPLACEMENT SHALL CONSTITUTE SATISFACTION OF ALL LIABILITY M & M MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED ON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL M & M AEROSPACE BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, M & M AEROSPACE MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.

PACKING SLIP

COVERED BY THIS INVOICE, BUYER EXPRESSLY ASSENTS TO THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE HEREOF