

PILGRIM

Screw Corporation

PACKING LIST

ARIZONA - 480-917-2500

SHIPPED FROM
259 DEXTER STREET and 120 SPRAGUE STREET
PROVIDENCE, RI 02907

RHODE ISLAND - 401-274-4090

3/27/2014



PAC139017

BE
BILL TO: B/E AEROSPACE
CONSUMABLES MANAGEMENT
MIAMI FL 33102-5263
P.O. BOX 025263

SHIP TO: B/E AEROSPACE
CONSUMABLES MANAGEMENT
9835 NW 14TH STREET
MIAMI, FL 33172

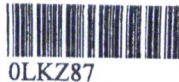
OUR ORDER #
ORD112007

TERMS
Net 30*DNI*033101490

FREIGHT SHIP VIA
C FedEx Ground

SHIPPING DATE
3/31/2014

CUSTOMER PO #:



OLKZ87

QTY	U/M	PART #	DRAWING #
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295,575

EA



NAS1096-3-7

NAS1096

Revision: 9

10-32 X 7/16 PH HEX ALLOY/Cd2
NOT BEFORE

LOT#:

R33872 QTY: 295,575.00 pc#390

35 CTNS, TOTAL WT. 1433.00 LBS WITH 4425 ON BACKORDER

Compliant with DFARS 252-225-7009 Restriction on Acquisition of Certain
Articles Containing Specialty Metals

MFR C OF C

CHEM AND PHYS

MATERIAL AND PROCESS CERTS

DFARS COMPLIANT 252. 225-7009

CLAUSES E, A, A.1, A.3, B, C, H, P, U, V APPLY

LATEST REV

SHIPPING INSTRUCTIONS:

NO OVERSHIPMENTS

IF UNDER 150 LBS SHIP FEDEX GROUND ACCT# 0331-0149-0 MARK:

CERTIFICATE OF COMPLIANCE

We hereby certify that all items delivered on this invoice comply with all applicable drawing, specification, and purchase order requirements. Evidence of such is on file for review for a minimum of 10 years. All products manufactured by Pilgrim Screw are of domestic origin and have not come in contact with mercury while in our possession. Also all special processes were performed by approved sources at the time of manufacture. Shortage claims must be made within (5) days after receipt of the goods. Quality claims must be made within (30) days after receipt of the goods. Returns will not be accepted without a 'Return Material Authorization' number. All goods returned must have the freight prepaid.

Page # 1

MADE IN THE USA

Raphel Authorized Rep.



PILGRIM

Screw Corporation

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ARIZONA - 480-917-2500

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3/27/2014



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MIAMI, FL 33172

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FREIGHT SHIP VIA
C FedEx Ground

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3/31/2014

CUSTOMER PO #:



OLKZ87

QTY

U/M

PART #

DRAWING #

COLLECT

IF OVER 150 LBS, SHIP FEDEX FREIGHT ECONOMY ACCT 018757

DO NOT INSURE OR DECLARE A VALUE FOR THIS SHIPMENT

Schedule B#: 7318159000

ECCN #: 9A991d "NLR"

SHIPPING INSTRUCTIONS: LABEL ON OUTSIDE OF BOX

HONEYWELL SOURCE ACCEPTED:

STAMP IMPRESSION

DATE:



3/31/2014

****BOXES MUST NOT EXCEED 40 LBS EACH****

CERTIFICATE OF COMPLIANCE

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MADE IN THE USA

Page # 2

Authorized Rep.





**Pilgrim
Screw**
CORPORATION
Established 1932

CHEMICAL AND PHYSICAL CERTIFICATE



SOLD TO

B/E AEROSPACE
CONSUMABLES MANAGEMENT
MIAMI FL 33172

MADE IN THE USA

CAGE CODE: 47253

DOCUMENT # PSQR0001 REV 4

MANUFACTURED BY

PILGRIM SCREW CORPORATION
120 SPRAGUE STREET
PROVIDENCE RI 02907
USA

TEL. 401-274-4090 FAX. 401-861-9890

CUSTOMER PO # / CONTRACT #
OLKZ87

PACKING LIST #
PAC139017

PURCHASE QTY
295,575

LOT # / JOB #
R33872

MANUFACTURE DATE
3/17/2014

CERTIFICATION DATE
3/27/2014

RAW MATERIAL HEAT #
10221910

MATERIAL GRADE
UNS G41300

RAW MATERIAL SOURCE
WIRETECH

SPECIFICATION/PART# - DRAWING # - REVISION
NAS1096-3-7 NAS1096 9

NOMENCLATURE/ITEM DESCRIPTION
10-32 UNF-3A X 7/16 PH HEX HD MACHINE SCREW

PROCUREMENT SPECIFICATION
NASM7839

THREAD SPECIFICATION
MIL-S-7742D(1)

MATERIAL SPECIFICATION
MIL-S-6758B

HEAT TREAT SPECIFICATION
AMS-H-6875B/AMS 2759/1E

FINISH SPECIFICATION
AMS-QQ-P-416C TYPE II CLASS 2

NOTES COMPLIANT WITH DFARS252.225-7009

QA TEST SUMMARY

OTHER TESTS

UTLIMATE TENSILE LBS / P.S.I.
2748/137427

MAGNETIC PERMEABILITY
N/A

HEAD STRUCTURE
DECARBURIZATION

HARDNESS
27-28 HRC

YIELD LBS / P.S.I.
N/A

TORQUE IN / LBS
N/A

SHEAR LBS / P.S.I.
N/A

Test data will be on file for a least 10 years from the date of manufacture, or as agreed upon in the contract. This lot has been produced, sampled, tested, inspected, and marked in accordance with all contract and specification requirements, and the material complies with all the contract and specification requirements. The product specified herein was not in contact with Mercury while in our possession. Class 1 ozone-depleting substances of the clean air amendment of 1990 were not used in the design, manufacture, or test of the item.

Electronically counted quantity is within +/- 1% Specified.

Ralph R. G.

PILGRIM
P
1



WireTech, Inc.

6440 E. Canning Street
Los Angeles, CA 90040
Phone (323) 722-4933
Fax (323) 721-2738

SOLD TO

Pilgrim Screw
259 Dexter Street
Providence, RI 02907
USA

WORK ORDER
101625

CERTIFICATION

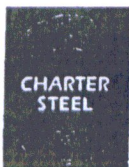
HEAT NO.
10221910
SALES ORDER / RLS
851351 / 1
ISO 9001-2000 REGISTERED



MECHANICAL TESTING
CERT # 911.01

CERT# 911.01

CUSTOMER P.O. 67058	CUSTOMER PART RMG41300-172D	QUANTITY 2,002 Lbs	CARRIERS 2	LADING NO 00106439	SHIPMENT DATE 10/14/2013			
SPECIFICATION P144130-101720C A-4130, AQ, SKFG, CHQ WIRE, SEAM & DEARB FREE, SAIP Zinc Phosphate, Lime & Stearate Coating, Size:0.171/0.173 Specifications: AMS 2301K, AMS 6370M, MIL-S-6758B, AMS-S-6758								
CERTIFICATION REQUIREMENTS								
Chemical Properties								
C	Si	Mn	P	S	Cu	Ni	Cr	Mo
.32	.250	.55	.011	.009	.10	.007	.87	.21
Physical Properties								
Grain Size Jominy 1 Jominy 2 Inclusions Macro Cleanliness Mill Source 6 J5=42 J8=33 S2-R1-C2 GOOD F&S=0 Charter								
Country of Origin USA - DFAR Compliant								
Mechanical Properties								
TEST	UNITS				Results			
Tensile Strength	KSI				75.4			
Yield Strength	KSI				64.1			
% Elongation	%				20.5			
% Reduction of Area	%				81.4			
Rockwell Hardness B Scale	HRB (s)				82			
Decarb (Total)	In		0.00					
<p>Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. "The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal statutes including Federal law, Title 18, Chapter 47."</p> <p>REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.</p> <p>Wire Tech, Inc. metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 1077, IFI 140, inclusion rating per ASTM E 45, decarburization performed as per IFI 140. The reported Chemical and Physical Properties are Melt Source results. Transcribed from mill certificates. HRB(W) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.</p> <p>TEST RESULTS RELATE ONLY TO THE ITEMS TESTED. DFAR Material per Clauses 252.225-7014 ALT. 1, 252.225-7009, & 225.003(9)</p> <p>"LATEST REVISIONS OF ASTM"</p> <p>Material is free of mercury, radium, or alpha contamination.</p>								



CHARTER STEEL

A Division of
Charter Manufacturing Company, Inc.

EMAIL

1658 Cold Springs Road
Saukville, Wisconsin 53080
(262) 268-2400
1-800-437-8789
FAX (262) 268-2570

CHARTER STEEL TEST REPORT Reverse Has Text And Codes

Wiretech Incorporated
6440 East Canning Street
Attn: Andre Stephan
Los Angeles, CA-90040

Cust P.O.	6998-11
Customer Part #	4130C1A070-C
Charter Sales Order	70039875
Heat #	10221910
Ship Lot #	4191798
Grade	4130 R SK FG AQ 9/32
Process	HRSA
Finish Size	9/32

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies these requirements.

Test Results of Heat Lot# 10221910												
Lab Code: 7388	C	MN	P	S	SI	NI	CR	MO	CU	SN	V	
CHEM %Wt	.32	.55	.011	.009	.250	.06	.87	.21	.10	.008	.003	
	AL	N	B	TI	NB							
	.024	.0070	.0001	.002	.002							
JOMINY(HRC)	JOM01	JOM02	JOM03	JOM04	JOM05	JOM06	JOM07	JOM08	JOM09	JOM10	JOM11	JOM12
	54	52	51	48	42	38	35	33	32	31	30	30
	JOM13	JOM14	JOM15	JOM16	JOM18	JOM20	JOM22	JOM24	JOM26	JOM28	JOM30	JOM32
	29	29	29	28	27	27	26	25	25	25	24	24

JOMINY SAMPLE TYPE ENGLISH = R JOMINY LAB = 0358-01
MACRO ETCH SURFACE = 1 MACRO ETCH RANDOM = 1 MACRO ETCH CENTER = 1
AMS 2301 FREQUENCY AVERAGE = .02 AMS 2301 FREQUENCY INDIVIDUAL = .14
AMS 2301 SEVERITY AVERAGE = .01 AMS 2301 SEVERITY INDIVIDUAL = .07
CHEM. DEVIATION EXT.-GREEN =

Test Results of Rolling Lot# 1090204				
REDUCTION RATIO = 488:1				
Test Results of Processing Lot# 4191524,4191798				
	# of Tests	Min Value	Max Value	Mean Value
TENSILE	1.0	77.4	77.4	77.4
REDUCTION OF AREA	1	74	74	74
TENSILE LAB = 0358-02				
RA LAB = 0358-02				
NUM DECARB = 1 FREE FERRITE DECARB = .000 FREE FERR & PARTIAL DECARB = .001				
CP SPHERO % LAB = 0358-02 NUM SPHERO = 1 SPHERODIZATION = 82.5				

Specifications: Manufactured per Charter Steel Quality Manual Rev 9,08-01-09
Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents:
Customer Document = AMS 6370N / AMS 2301K / COP 3010M Revision = Dated =

Additional Comments:

Charter Steel
Saukville, WI, USA



Page 1 of 1

This MTR supersedes all previously dated MTRs for this order

Janice Barnard
Janice Barnard
Manager of Quality Assurance
02/20/2013

Rem: Load1, Fax0, Mail0

The following statements are applicable to the material described on the front of this Test Report:

1. Except as noted, the steel supplied for this order was melted, rolled, and processed in the United States meeting DFAR's compliance.
2. Mercury was not used during the manufacture of this product, nor was the steel contaminated with mercury during processing.
3. Unless directed by the customer, there are no welds in any of the coils produced for this order.
4. The laboratory that generated the analytical or test results can be identified by the following key:

Certificate Number	Lab Code	Laboratory		Address
0358-01	7388	CSSM	Charter Steel Melting Division	1653 Cold Springs Road, Saukville, WI 53080
0358-02	8171	CSSR/CSSP	Charter Steel Rolling/Processing Division	1658 Cold Springs Road, Saukville, WI 53080
0358-03	123633	CSFP	Charter Steel Ohio Processing Division	6255 US Highway 23, Risingsun, OH 43457
0358-04	125544	CSCM/CSCR	Charter Steel Cleveland	4300 E. 49th St., Cuyahoga Heights, OH 44125-1004
.	.	--	Subcontracted test performed by laboratory not in Charter Steel system	

5. When run by a Charter Steel laboratory, the following tests were performed according to the latest revisions of the specifications listed below, as noted in the Charter Steel Laboratory Quality Manual:

Test	Specification	CSSM	CSSR/CSSP	CSFP	CSCM/CSCR
Chemistry Analysis	ASTM E415; ASTM E1019	X			X
Macroetch	ASTM E381	X			X
Hardenability (Jominy)	ASTM A255; SAE J406; JIS G0561	X			X
Grain Size	ASTM E112	X	X	X	X
Tensile Test	ASTM E8; ASTM A370		X	X	X
Rockwell Hardness	ASTM E18; ASTM A370	X	X	X	X
Microstructure (spheroidization)	ASTM A892		X	X	
Inclusion Content (Methods A, E)	ASTM E45		X		X
Decarburization	ASTM E1077		X	X	X

Charter Steel has been accredited to perform all of the above tests by the American Association for Laboratory Accreditation (A2LA). These accreditations expire 01/31/13.

All other test results associated with a Charter Steel laboratory that appear on the front of this report, if any, were performed according to documented procedures developed by Charter Steel and are not accredited by A2LA.

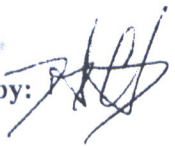
6. The test results on the front of this report are the true values measured on the samples taken from the production lot. They do not apply to any other sample.
7. This test report cannot be reproduced or distributed except in full without the written permission of Charter Steel. The primary customer whose name and address appear on the front of this form may reproduce this test report subject to the following restrictions:
 - It may be distributed only to their customers
 - Both sides of all pages must be reproduced in full
8. This certification is given subject to the terms and conditions of sale provided in Charter Steel's acknowledgement (designated by our Sales Order number) to the customer's purchase order. Both order numbers appear on the front page of this Report.
9. Where the customer has provided a specification, the results on the front of this test report conform to that specification unless otherwise noted on this test report.



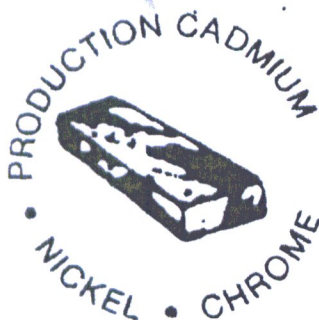
SMITH & WESSON

POST OFFICE BOX 2208
SPRINGFIELD, MA 01102

PROCESS CERTIFICATION/SHIPPER

<u>Customer</u> PILGRIM SCREW CORPORATION 259 DEXTER STREET PROVIDENCE, RI. 02907	<u>P.O. No. / Order No.</u> 68843	<u>Order Date</u> 3/9/14
	<u>Part No.</u> SEE REMARKS	<u>Quantity</u> SEE REMARKS
<u>Service:</u> THROUGH HARDEN: 126-145 KSI (RC 27-32) - AMS-H-6875B/AMS2759/1E MATERIAL: UNS G41300 VAPORBLAST <u>Remarks:</u> NAS1096-3-7 R33872 35 PANS) <u>Results:</u> SPECIFIED HARDNESS: 126-145 KSI - RC 27-32 ACTUAL HARDNESS: 126-131 KSI - RC 27-28 VAPORBLAST COMPLETE		
Certified by: 	Smith & Wesson 2100 Roosevelt Avenue Springfield, Ma 01102 Tel: (413) 781-8300 Fax: (413) 747-3423	

Of Smith & Wesson's Specialty Services



New Method Plating Co., Inc.

Quality
Management
System
ISO 9001:2000
AS9100 REV.C
Certified

Established 1931



43 Hammond St.
Worcester, MA 01610
Phone 508.754.2671
Fax 508.754.1981
www.newmethodplating.com

CERTIFICATE OF COMPLIANCE

COMPANY PILGRIM SCREW CORP.

DATE 3/14/14

PO#

LOT#

QUANTITY

68995

R33872

294370

CADMIUM PLATED IN ACCORDANCE WITH AMS QQ-P-416C

Class II , Type II (Clear Yellow X Black)

Hardness: 27-32 HRC

☒ **NO BAKE**

☐ Before plating, bake at 375+/-25F for 4 hours. After plating, bake at 375+/-25F for 3 hours.

☐ Before plating, bake at 275+/-25F for 5 hours. After plating, bake at 275+/-25F for 23 hours.


☐ Before plating, bake at 375+/-25F for 4 hours. After plating, bake at 375+/-25F for 23 hours.

Thickness Test Results

Accept ☒ Reject ☐ Min.: Spec. .0003 Read .00033 Avg .00039

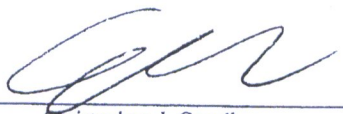
Adhesion Test Results

Accept ☒ Reject ☐

Inspected by: 

Certification

This lot has been processed, sampled, tested, and inspected in accordance with the contract and specification requirements listed above, and the plating and conversion coating complies with those contract and specification requirements. Process control data is on file and is available upon request. We certify that these parts have been processed in a mercury free environment.

Signed: 

Christopher J. Capalbo

Title: Quality Manager

Date: MAR 14 2014