

**CERTIFICATE OF COMPLIANCE**

Invoice No. 12408	Rev	Cust Order No. AEK001/04
Invoice Date 13 Aug 2004		Order Date 13 Aug 2004

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 ARAVIA S.A.  
 DORREGO 651  
 S2600GAI - VENADO TUERTO  
 SANTA FE, ARGENTINA

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O**  
 ARAVIA S.A.  
 C/O ADVANCE INT'L FORWARDERS  
 3475 NW 114TH AVE.  
 MIAMI, FL 33178-1847

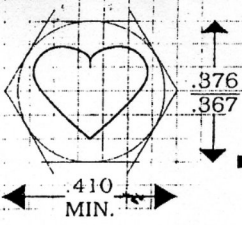
Ship Date 13 Aug 2004	Ship VIA UPS GRND	Special Billing/Acct #	Terms CREDIT CARD	F.O.B. ORIGIN	Sales GH
Shipment No 1	No of Cartons 2	Total Weight 105	Buyer's Name Fernando	Special Instruction MFG COFC	

Item NO.	Part Number/Alternate	Description	CN	Quantity			Unit price	Extension
				Ord	Ship	B/O		
1	NAS152-88  REF 5509/1231021/3566	BOLT LOT# W802	FN	125	125	0		

**CERTIFICATION**

We certify that the material furnished on this order conforms in all respects to the current applicable government and/or manufacturer's specifications. Where materials or services have been procured by us from our vendors, we certify that we have complied with the requirements of the above referenced purchase order and suitable evidence or test reports have been obtained by us and are on file, available for examination at any reasonable time.

*Ken Ho*  
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 Chief Inspector / QA Manager



# HEARTLAND PRECISION FASTENERS INC

301 Prairie Village Dr.  
New Century, Kansas

Toll Free (877) 4HP-BOLT  
(447-2658)

Tele (913) 829-4447  
Fax (913) 829-7282

HPI LOT #

08200400009719

CAGE CODE: 0ZC92 CERTIFICATE OF CONFORMANCE

HEARTLAND PRECISION FASTENERS, INC CERTIFIES THAT THE FASTENERS IN THIS SHIPMENT HAVE BEEN MANUFACTURED IN ACCORDANCE WITH HPFI'S QUALITY SYSTEM MANUAL, HPQM-001 REVISION C, APPLICABLE DRAWINGS AND SPECIFICATIONS. DIMENSIONAL, MECHANICAL, METALLURGICAL AND FINISH TESTS WERE PERFORMED AND CONFORM TO SAID SPECIFICATIONS. TRACEABILITY INFORMATION IS MAINTAINED AND ON FILE BY LOT NUMBER PER HPQP-018.

WE CERTIFY THAT THIS LOT WAS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA SOURCE CONTAMINATION AND OZONE DEPLETING SUBSTANCES. PAGE 1 OF 1

PART: MS20008-58	REVISION: NEW	LOT NO: 20398	CERT DATE: 6/10/01
DESCRIPTION: BOLT, INTERNAL WRENCHING		IN-PROCESS INIT. DATE: 9/5/01	MFG. DATE: 5/8/01
PROCUREMENT SPEC: NAS4002	REVISION: 8	HEADMARK: MS20008 LOGO	
MATERIAL SPEC: MIL-S-6049	REVISION: A	GRADE: 8740	QUANTITY MANUFACTURED: 562
RAW MAT. CERT: SEE ATTACHED	HEAT: CW138	SUPPLIER: DONGBU STEEL CO. LTD.	

**MECHANICAL TESTING**

ULTIMATE TENSILE STRENGTH POUNDS	DOUBLE SHEAR STRENGTH POUNDS	HARDNESS ROCKWELL C SCALE
27,834	39,266	38
27,962	40,115	38
28,433	39,479	37
28,448	39,541	39
28,723	39,217	40
28,891	39,648	
MIN: 27,500	MIN: 37,300	REQ'D. 36-40
KA 2.32	KA 2.32	
X1-KaS1 28,152	X1-KaS1 39,407	

**METALLURGICAL TESTING**

DISCONTINUITIES: 5	SURFACE CONTAMINATION: 5	GRAIN FLOW: 5	MICROSTRUCTURE: 5
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**SPECIAL PROCESSES:**

**STAMP**

HEAT TREATMENT	PER MIL-H-6875 (H) SEE ATTACHED	ACCEPT: 80	REJECT: 0
FINISH	CADMIUM PLATE PER QQ-P-416 F (SEE ATTACHED)		
THREADS	.3750-24 UNJF-3A PER MIL-S-8879 (C)		
NDT	MAGNETIC PARTICLE INSPECT PER ASTM E 1444		
STAMP:	AUTHORIZED QUALITY REPRESENTATIVE JOHN L. TUCKER		

HPF 1801 REV. A DATED 4/15/98

THE ORIGINAL OF THIS CERTIFICATE HAS A RAISED SEAL & SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF HPFI LABORATORY. ISO 9002/AS 9000/BS EN 9002 REGISTERED MADE IN THE UNITED STATES OF AMERICA



PAULO PRODUCTS COMPANY

HEAT TREATERS AND FINISHERS OF METALS

TEL: (816)881-7500 FAX: (816)924-7300

INSPECTIO

HEARTLAND PRECISION FASTENERS INC  
301 PRAIRIE VILLAGE DR  
NEW CENTURY, KS 66031

INSPECTION TO

PAULO NO.  
DATE  
DATE RECEIVED  
SHIP TO CODE

40075  
05/09/  
05/09/

PART NAME **SCREW**  
PART NUMBER **MS20008-58**  
QUANTITY **189.85 NET LBS**  
MATERIAL **8740**  
PROCESS SPECIFICATION

CUSTOMER PO  
CUSTOMER DRAY **20398**  
CUSTOMER JOB  
LOT NUMBER  
OTHER NUMBER

QUANTITY INSPECTED 5  
INSPECTION RESULTS R/C 38.0-39.2

**Requirements:**

Process in accordance with MIL-H-6875-H, rev 3-1-89.  
Core hardness 36-40 HRC

SERIAL NUMBERS AND REMARKS:

900° 90 MIN

I CERTIFY THAT APPLICABLE MATERIAL PROCESSES HAVE BEEN PERFORMED IN ACCORDANCE WITH THE SPECIFICATION SHOWN ABOVE. I HAVE INSPECTED THE WORK AND THE SAMPLING AND RESULTS ARE AS INDICATED. THE ONLY TESTS PERFORMED BY PAULO ARE THOSE WITH RESULTS LISTED ON THIS DOCUMENT.

*W. Green*

INSPECTOR

CHQ-FORM-63 8/2000

*Paul Balas*  
APPROVED BY

ORIGINAL

HPI LOT #

08200400009719

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*Ken Ho*  
\_\_\_\_\_  
Chief Inspector / QA Manager

CAGE CODE  
OHDM5

L & M ENTERPRISES, INC.  
1910 NORTHERN  
WICHITA, KS 67216

PART NO. NAS152-88      PRO. SPEC. NAS159      CUSTOMER: CESSNA

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LOT NO. W802      HEAT NO. 8096000      QTY MFG'D: 300

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QTY ACCEPTED: 295

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QTY SHIPPED: 166

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FINISH SPEC	HEAT TREAT	R.C.	SAMPLE SIZE	DECARB
QQP-416F TYPE II CLASS 2I	MIL-H-6875H	37-39	13	NONE NOTED
STRESS RUPTURE	STRESS DURABLITY	THD. SPEC	NDT #	MICRO MOLD #
N/A	N/A	MIL-S-8879	MIL-I-6868	FIT-01-23-84392 MACRO MOLD # g456j922

TENSILE		SHEAR/DBL. SHEAR		FATIGUE	
SAMPLE	TENSILE LOAD LBS	SAMPLE	SHEAR LOAD LBS	SAMPLE	CYCLES TO FAILURE
1	73,420	1	95,840	1	
2	71,870	2	97,240	2	N/A
3		3		3	
4		4		4	
5		5		5	
6		6		6	
7		7		7	
8		8		AVG	
REQ	55,600	REQ	83,900	REQ AVG	

WE CERTIFY THE PARTS MANUFACTURED IN THIS LOT WERE PRODUCED IN ACCORDANCE WITH CURRENT APPLICABLE PROCUREMENT SPECIFICATION AND PURCHASE ORDER REQUIREMENTS.

*Ray Fisher* 11-6-96  
  
 QUALITY ASSURANCE