

HEARTLAND

PRECISION FASTENERS INC

301 Prairie Village Dr.
New Century, Kansas 66031

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

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

EAR: ECCN 9A991d SCHEDULE B: 7318.15.2000

CAGE CODE: 0ZC92

CERTIFICATE OF CONFORMANCE

KLX, INC.
9835 NW 14TH STREET
MIAMI, FL 33172

QTY: 40,135

PO#: 0001L15 #1

CORRECTED CERTIFICATION 9/18/15

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 H, APPLICABLE DRAWINGS, SPECIFICATIONS AND CONTRACT REQUIREMENTS. 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: **NAS1581C3T6P	REVISION: 12	LOT NO: 47199	CERT DATE: 9/14/15
DESCRIPTION: BOLT, 100° FLUSH REDUCED HEAD, OFFSET CRUCIFORM-NO RIB	MFG. DATE: 7/11/15		
DFARS 252.225-7009 COMPLIANT	IN-PROCESS INIT. DATE: 4/22/15		
PROCUREMENT SPEC: NAS4003	REVISION: 12	HEADMARK: 1581C3	✓
MATERIAL SPEC: AMS 5737	REVISION: P	GRADE: A286	QUANTITY MANUFACTURED
RAW MAT. CERT: SEE ATTACHED	HEAT: 574196	SUPPLIER: CARPENTER	91,695

MECHANICAL TESTING

ULTIMATE TENSILE STRENGTH				DOUBLE SHEAR STRENGTH		HARDNESS
POUNDS	FRACTURE	POUNDS	FRACTURE	POUNDS		ROCKWELL C SCALE
2,063	HEAD	2,067	HEAD	5,821	5,788	NOT APPLICABLE
2,049	HEAD	2,044	HEAD	5,691	5,731	
2,063	HEAD	2,053	HEAD	5,761	5,800	
2,041	HEAD	2,082	HEAD	5,798	5,810	
2,091	HEAD	2,102	HEAD	5,804	5,797	
MIN:	2,000			MIN:	5,380	
KA:	2.34			KA:	2.34	
X1-KaS1:	2,018			X1-KaS1:	5,685	

RECESS TORQUE: PASS

MAGNETIC PERMEABILITY PER ASTM A342/A342M-14: PASS

METALLURGICAL TESTING

MAG=100x	SAMPLE SIZE:	DISCONTINUITIES:	CONTAMINATION:	GRAIN SIZE:	GRAIN FLOW:	MICROSTRUCTURE:
ASTM E407	8	ACCEPTABLE	NONE	7	ACCEPTABLE	SATISFACTORY
#149						

SPECIAL PROCESSES

HEAT TREATMENT: PER AMS 2759/3 REV. E AT HPFI

FINISH: **CADMIUM PLATE TYPE II CLASS 2 PER AMS-QQ-P-416 (C)**

THREADS: .1900-32 UNJF-3A STANDARD PER AS8879(D)

NDT: FLUORESCENT PENETRANT PER ASTM E 1417-13

ACCEPT: 67

REJECT: 0

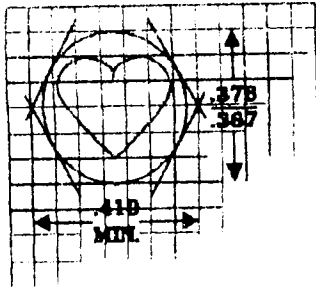
STAMP:

AUTHORIZED QUALITY REPRESENTATIVE
DONNA WARNER

HPF 1801 REV. B DATED 12/15/14

THE ORIGINAL OF THIS CERTIFICATE HAS A RAISED SEAL & SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF HPFI LABORATORY.

ISO 9001: 2008 AND AS9100: 2009
MADE IN THE UNITED STATES OF AMERICA

**HEARTLAND PRECISION FASTENERS, INC.**

301 PRAIRIE VILLAGE DRIVE
NEW CENTURY, KS 66031-1121

PACKING SLIP

Heartland Sales Order:
43079

Sales Order Date:
Apr 22, 2015

Voice: 913-829-4447
Fax: 913-829-7282
Toll Free: 877-447-2658
www.heartlandfasteners.com

Sold To:

KLX, INC.
10000 NW 15TH TERRACE
MIAMI, FL 33172-2756
USA

Ship To:

KLX, INC.
9835 NW 14TH STREET
MIAMI, FL 33172-2756
USA

Customer ID KLX	Variance +/-2%	Customer PO Number 0001L15	Payment Terms 1% 10, Net 30 Days	
FEDX GROUND		Shipping Instructions >150# FEDX NAT'L ACCT #081757		<150# FEDX GRD #0331-0149-0
Special 40# BOX WT LIMIT; BARCODES				
Quantity	Item	Description	Shipped Prior	To Ship
100,000	NAS1581C3T6P	BOLT EAR# ECCN 9A991d SCHEDULE B# 7318.15.2000 ITEM# 1 LOT# 47199 REV. 12 50,000 DUE 9/28/15 NB 50,000 DUE 4/28/16 NB DFAR		40,135
PPU .0053				

BOX NO. 6	GROSS WEIGHT 220	NET WEIGHT 213	FREIGHT AMT COLLECT	SPECIAL CHARGES	SHIPPED VIA FEDEX Ground	BY: Mark Deth DATE: 1/14/15
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DAMAGES OR QUANTITY DISCREPANCIES MUST BE REPORTED WITHIN 15 DAYS OF SHIPMENT DATE.

**MADE IN THE UNITED STATES OF AMERICA
ISO 9001 AND AS9100 REGISTERED**



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.KLXAerospace.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


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 on 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, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: AJ WALTER AVIATION LTD

PURCHASE ORDER#: CP15814

QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	Eff Date	EXP DATE
100	EA	NAS1581C3T6P		47199		



Jason Lewis
Senior Director, Global Quality

03/25/16

Inv # 03/25/16