

**MACLEAN-ESNA  
A MACLEAN-FOGG COMPANY  
POCAHONTAS, ARKANSAS 72455**

**CERTIFICATE OF QUALITY COMPLIANCE**

DATE: 10/3/2014

TO: B/E AEROSPACE  
9835 NW 14TH ST  
MIAMI, FL 33172

ESNA PART NO. F52LF3324-82  
MANUFACTURER'S LOT SIZE 340074 (APPROX. WT. COUNT)  
MANUFACTURED UNDER SHOP ORDER NUMBER 45426 - 000  
ORIGINATED AS SHOP ORDER NUMBER  
CUSTOMER PO #: 0PFR13 PACKING LIST #: 65945  
ESNA ORDER #: 079633 QTY PACKAGED: 340074  
CUSTOMER PART #: MS21042-08 & NAS1291X08

**ACCEPTANCE TESTS PER NASM 25027 REV 1**

**MATERIAL** RAW MATERIAL TYPE 0.188 ( 4.8MM) 4037 WIRE DATE MFG: 07/28/14  
RAW MATERIAL CONFORMS TO AMS 6300E AS EVIDENCED BY THE ATTACHED MILL CERTIFICATION. ESNA SHOP  
ORDER NO. 45426 - 000 MILL HEAT NO. 10303760 VENDOR WIRE TECH

**FINISH** FINISH TYPE CADMIUM PLATED TO QQ-P-416F, TYPE II, CLASS 2  
LUBRICANT TYPE NO ADDITIONAL LUBRICANT

ACCEPTED 23 HR STRESS EMBRITTLEMENT LOADED TO 33 IN LBS. MIN

**AXIAL STRENGTH** REQUIRED LBS. MINIMUM 2500 ALL SAMPLE PIECES TESTED MEET OR EXCEED  
EXCEEDS LBS. 2700 MINIMUM REQUIREMENTS.

SAMPLE SIZE 27 PIECES.

HARDNESS REQUIREMENT HRC 43-46 IS HRC 43-46

**WORKMANSHIP** CONFORMS DIMENSIONALLY TO MS21042-08 PER NASM21042 REV 1 & NAS1291X08 REV 13 STANDARD.  
BEARING SURFACE SQUARENESS AS SPECIFIED PER NASM 25027 REV 1

**DISCONTINUITIES**

WITHIN LIMITS PER NASM 25027 REV 1

AND MIL-STD-271D/ACN 1/ AND REV E/ NOTICE 2/ AND REV F/ NOTICE 1.

ASTM E144 REV 12

MT PER SPEC 718 X

SAMPLE SIZE( MT - PCS): 50

ACCEPTED(PCS): 50

SAMPLE SIZE( PT - PCS): 0

PT PER SPEC 731

ACCEPTED(PCS): N/A

This is to certify that all applicable plating, heat treating, and inspection processing and that all material used in the manufacture of subject parts conform to the specification or drawings received by ESNA and set forth in the subject purchase order; that the parts are of good material and workmanship; and that all necessary records, including chemical and physical where applicable, will be made available for review upon request. The inspection and test reports provided represent the actual attributes of the items furnished on this contract and indicate full compliance with all applicable specification and contract requirements.

This is to certify that the materials supplied against the subject order are free of contamination by presence of mercury.

SIGNATURE *Brenda Ramsey*  
**TERESA MELTON, QUALITY ASSURANCE MANAGER**  
Brenda Ramsey, Quality Inspector

FSCM/CAGE NO. 019L2  
QAF68 REV. 10-2-14



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#: CP15848**

QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	Eff Date	EXP DATE
300	EA	MS21042-08		45426-000		

  
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Jason Lewis  
Senior Director, Global Quality

04/07/16

Inv # 04/07/16