

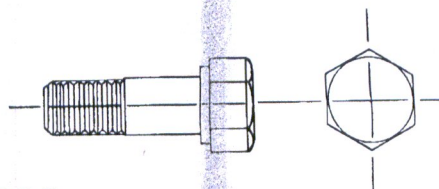
**3V™ FASTENERS**

PRECISION AEROSPACE FASTENERS

a **PEM®** Company

320 Reed Circle • Corona, CA 92879

Tel: 951-734-4391 • FAX: 951-734-9488

**TEST CERTIFICATION**

Cert # : 61815 Cert Date: 10/17/13 LOT #: 283790 Page: 1

MFG DATE: 07/24/13

Cust # : 141327

P.O. #: OJEY15

Customer : B/E AEROSPACE

P.O. Qty: 5000

Ship To : MIAMI, FL.

Ship #: 1783747

Ship Qty: 4458

Part #: MS21250-06008

MFG. Part #: NASM21250-06008 REV.1

Material Spec: AMS6322N

Heat #: 10175090

Type: 8740

Mill, Vendor: CHARTER STEEL/WIRE TECH

Code: 14078

Procure Spec: NASM8831 REV.4

Hardness per NASM1312-6, ASTM E 18 or E 384

Minimum Requirement: 39-43 HRC.

41.0	41.0	42.0	42.0	42.0
42.0	42.0	42.0	42.0	42.0
42.0	43.0	43.0	43.0	43.0

Metallurgical Tests

Hardness: N/A

Grain Size: N/A Decarb: NONE

Metallurgical, Special Process and Subcontracted Test Information
THREADS INSPECTED PER MIL-S-8879C N.3, AS8879D OR MIL-S-7742D A.
MACRO AND MICROSTRUCTURE SATISFACTORY 5 PCS
HEAT TREAT PER AMS2759/1E BY QUALITY HEAT TREAT #131931
CAD PER AMS-QQ-P-416C TYII CL.2 BY Q.C.P. #132913
100% MAG PER ASTM E 1444/E1444M-12 BY 3V FASTENERS 10/16/13
HYDROGEN EMBRITTLEMENT PER NASM 1312-5 REV.1 BY ATLAS #107875

THIS TEST CERTIFICATION SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF 3V FASTENERS CO., INC. TESTING LABORATORY.
THIS CERTIFICATION SHALL NOT BE USED BY THE CUSTOMER TO CLAIM PRODUCT ENDORSEMENT BY ANY AGENCY OF THE U.S. GOVERNMENT.
3V FASTENERS CERTIFIES THAT THE PRODUCT SHIPPED ON ABOVE PURCHASE ORDER WERE MANUFACTURED, INSPECTED AND TESTED IN COMPLIANCE WITH ALL APPLICABLE PRINTS AND SPECIFICATIONS. ALL SUPPORTING DOCUMENTATION IS ON FILE AT 3V.
ACCREDITED TO AS9100C, ACCREDITED ISO 9001:2008.
SAI GLOBAL CERT-0049384, CAGE CODE 1ER65, COO:USA
BAE APPROVAL BAE/AG/30148/CAL, AIRBUS APPROVAL 30085.
THE RAW MATERIAL USED TO MANUFACTURE THESE PARTS WAS MELTED IN THE USA OR A QUALIFYING COUNTRY AND COMPLIES WITH THE APPLICABLE SECTIONS OF DFARS 252-225.

QUALITY ASSURANCE LAB SUPERVISOR

ROBERT CANTILLO

B/E Aerospace, Inc. - Consumables Management
Self Release3V
LAB
05

Signature and Stamp: 10/17/13