



AEROSPACE
SPS Fastener Division, a PCC Company

Cherry Aerospace
1224 East Warner Avenue
Post Office Box 2157
Santa Ana, CA 92707-0157
USA



PACKING LIST

Order No: S0368541
Order Date: 05/07/12
Print Date: 07/15/13

Page: 1



Sold-To: 10017717

S O L D T O	BE CONSUMABLES MNGT SAS
	27 AV ETIENNE-AUDIBERT
	BP 30169
	SENLIS CEDEX 60305
	FRANCE

Ship-To: 19000343

S H I P T O	B/E AEROSPACE CMII SAS
	27 AV ETIENNE-AUDIBERT
	BP 30169
	SENLIS CEDEX 60305
	FRANCE

Salesperson (s):

Credit Terms: 1%10, 30
1%10, Net 30

Purchase Order: 4500120735

Ship Via: EXPEDITORS

FOB: Origin - Collect

Remarks:

ALL ASN PART NUMBERS MUST APPEAR ON ALL BAGS/BOXES
NOTE: PACKING SLIP & INVOICE INSIDE & OUTSIDE ALL BOXES
AIRBUS APPROVAL# 30114

ECCN: EAR99

Unless otherwise specified on this order, Cherry will manufacture and certify parts to the part number's latest revision. Latest revisions are shown at <https://bizpartner.cherryaerospace.com/partrevisions.htm> under "Part Number Revision List".
RELEASE# LCE74500120735

Ln	Item Number	Site T Location	Lot/Serial	Qty Open Qty to Ship	UM	Promised Shipped	
2	CR3212-4-02 Customer Item: ASNA0077A402 B0207003-4-02 CAN43076B4-2 M7885/3-4-02 MBBN3013L3202 NAS9302B-4-02 NAS9302BNS-4-02 	1600	A0705 87839413 G0404 87836663	23400.0	EA	() 08/01/13	
13	CR3523-4-04 Customer Item: ASNA0078E404 MBBN3012M3204 NAS9307M-4-04	1600		33960.0	EA	() 08/01/13	

Test Reports Enclosed Do Not Destroy



These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited

CERTIFICATION

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications. Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

ATTENTION: PURCHASING DEPARTMENT

Quality Assurance Representative

Signed


DIANA RICE

1000552470



**CHERRY
AEROSPACE**
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Ln	Item Number	Site T Location	Lot/Serial	Qty Open Qty to Ship	UM	Promised Shipped
13		A0804	87834585	15300.0		()
		C0304	87834989	4801.0		()
		G1004	87836402	7290.0		()
		H0704	87837650	5211.0		()
		H0803	87835682	16540.0		()



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SPS Fastener Division, a PCC Company

1224 East Warner Avenue
Santa Ana, CA 92707-0157



Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab

Final Inspection & Test Report CherryMax® Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Part Numbers	Rev	Proc. Spec.	Rev
CR3523-4-04	AE	PS-CMR-3000	R
CR3523PR-4-04	AE	PS-CMR-3000	R
** See 2nd Page for the Customer Parts			

Lot I.D. No.: **87837650**

Lot Size: **6,500**

MFG. Date: **July 09, 2013**

ASSEMBLY DATA

TYPE	ID #	CERT #	MATERIAL	FINISH	LUBE
Rivet	87810277	A72433	QQ-N-281/MONEL	None	None
Stem	87816838	A71476	AMS5657 / 15-7PH	None	KG FA + Par-90
Collar	00000000	A73047	A-286 / AMS5731	Passivate per AMS2700	None

W.O. #: 5523132

Final Lube: None

QUALITY CONFORMANCE/ACCEPTANCE RESULTS

MIN REQ'D	INSTALLED SHEAR		TENSION		SPINDLE RETENTION		DISASSEMBLY
	995		400		150		10
SAMPLE SIZE	5	N/A	5	N/A	5	N/A	5
SPECS	C-N	B	C-N	B	C-N	B	C-N
RESULTS	998		509		254		100
	1002		602		222		95
	1045		609		235		100
	1093		621		237		100
	1063		513		230		100

C=CR N=NAS
M=MIL B=BAC
LOAD VALUES
IN POUND

PCS	ITEM	STATUS	PCS	ITEM	STATUS
20	EXAMINATION	PASS	20	INSTALLATION (Min and Max Grips)	PASS

Comments:

Blind Fastener

Tr. Rev: -
Rev. Date: 7/9/2013
Inspector
J Esquivel

Q Code
V10



The parts contained in this shipment have been manufactured and inspected in accordance with TSO-C148. The conditions and tests required for TSO approval of this article are minimum performance standards. Aircraft fasteners approved under this TSO are not necessarily interchangeable with other aircraft fasteners approved under this TSO. Fasteners of similar dimensional properties may have widely varying performance and metallurgical properties. Substitution of parts may only be done if acceptable to or approved by the Administrator.

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This test report shall not be reproduced except in full, without the written approval of the laboratory.
The recording of false, fictitious, or fraudulent statement or entries on the certificate may be punished as a felony under Federal law.



CHERRY[®] AEROSPACE
SPS Fastener Division, a PCC Company

1224 East Warner Avenue
Santa Ana, CA 92707-0157



Accredited

Nadcap[™]

Chemical Processing
Heat Treating
ISO/IEC 17025
Material Testing Lab

Final Inspection & Test Report CherryMax[®] Rivet

An ISO9001 and AS9100 registered company. OASIS #6111041606

Customer Parts List

<u>Customer Part Number</u>	<u>Rev</u>	<u>Proc. Spec.</u>	<u>Rev</u>
ASNA0078E404	P	NAS1687	2
ASNA0078E404	P	PS-CMR-3000	R
MBBN3012M3204	01/06	MBBN3015	12/03
NAS9307M-4-04	4	NAS1687	2

Parts delivered in accordance with the standard amendments as agreed by Cherry/EADS.

*** Ref: M7885/4-4-04

Lot I.D. No.: **87837650**

Rev: -

SFS		SHIP VIA	BP TRUCK	JOB NO	INVOICE NO.	-0-78319A
CHERRY AEROSPACE LLC 1224 E WARNER AVE SANTA ANA, CA 92707-0157		ORDER DATE		10/16/12	THIS MATERIAL WAS MANUFACTURED AND TESTED IN CONFORMANCE WITH THE NOTED SPECIFICATIONS. THE INFORMATION PRESENTED HEREIN IS CORRECT AS CONTAINED IN THE COMPANY RECORDS. FACILITY IS MERCURY & RADIOACTIVE FREE.	
CHERRY AEROSPACE LLC ATTN: A/F PO BOX 2157 SANTA ANA, CA 92707-0157		CUST. P.O. NO.		PO144858	BY: <i>[Signature]</i> G. MORENO, LAB	
PRODUCT ORDERED		DUE DATE		01/25/13	1/26/2013 GM	
0.374 DIA TYPE M-400 CONVERTED TO 0.1225/0.1235 SEAMSAFE MIRAFLEX COATED COIL		QTY. ORDERED		3000	DFAR 252.225-7014 ALT. 1 COMPLIANT	
SPECIFICATIONS M015.1230 REV AC (W/LETTER DATED 6/13/12) QQ-N-281-D CLASS A CHEM ONLY AMS 4730E CHEM ONLY						

GRADE	MILL NO.	HEAT NO.
M-400	29	115774

CHEMICAL ANALYSIS

C: 0.03 AL: 0.04
MN: 0.9 TI:
P: <0.002 B:
S: 0.002 CB:
SI: 0.15 TA:
NI: 64.2 CB+TA:
CR: CU: 32.9
MO: SE:
CO: 0.03 N:
V: FE: 1.55
CA: PB: <0.001
MG: BI:
ZN: <0.01 SN: <0.002

ASTM GRAIN SIZE: 6
VDM, GERMANY
MACRO:
MICRO:
OTHER:

MECHANICAL PROPERTIES AND CAPABILITY				
AS SHIPPED PROPERTIES	TENSILE, KSI	78.9	YIELD, KSI	56.9
	% RA		HARDNESS	
ETT *F	TENSILE, KSI		YIELD, KSI	% ELON
STRESS RUPTURE	TEMP *F	STRESS, KSI	HOURS	% ELON
	TEMP *F	STRESS, KSI	HOURS	% ELON
H.T. PROCEDURE				
	TENSILE, KSI	YIELD, KSI	% ELON	
	% RA	HARDNESS	SHEAR, KSI	
H.T. PROCEDURE				
	TENSILE, KSI	YIELD, KSI	% ELON	
	% RA	HARDNESS	SHEAR	
H.T. PROCEDURE				
	TENSILE, KSI	YIELD, KSI	% ELON	
	% RA	HARDNESS	SHEAR	

A72433
115774

JAN 28 2013



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