



562-692-5911
562-695-2323 (fax)
la.sales@mcmaster.com



Certificate

Purchase Order PO26231775	Order Date 6/9/2026	Placed By Christopher Berger	McMaster-Carr Number 8677354-02	Number of Certificates 1
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Line	Product	Ordered	Status	Certificate
24	93070A279 Alloy Steel Low-Profile Socket Head Screw, Hex Drive, Black Oxide, M3 x 0.5 mm Thread, 4 mm Long	1 pack	1 pack delivers June 11	328-9808



CERTIFICATE OF CONFORMANCE

26815 W Baseline Rd, Buckeye, AZ 85326
 Phone: (623) 925-5998 Fax: (623) 925-5968

**FORGING
THE FUTURE**
 ISO 9001 - AS9100 - QSLM Class 2/3
 ITAR M39506 - Cage Code 6YKZ1

This document certifies that the following product has been manufactured to and complies with customer purchase order requirements, drawings, instructions and other specifications listed below.

PART NUMBER:	M3C4LHD-BLKOXGRD8.8		
PART DESCRIPTION:	M3-0.5 x 4mm LOW HEAD CAP SCREW FULLY THREADED 4037 ALY STL GRD 8.8 BLACK OXIDE		
PO:	SEE PACKING SLIP		
QTY SHIPPED:	SEE PACKING SLIP		
DRAWING NUMBER:	DIN7984	REV:	2009
LOT NUMBER:	37204		
MATERIAL:	TYPE: 8740 DIA: 0.0970	HEAT: 537620 PO: 91208	
CONDITION/HEAT TREAT:	YES		
FINISH/PLATING:	BLACK OXIDE		
ADDITIONAL:	DIN7984 REV 2009		
ADDITIONAL:	NEF LOT 97294		
DATE OF PURCHASE:	5/6/2025		

We confirm that this lot has been found to meet all required specifications, standards and customer purchase order requirements. Made in the U.S.A.


 Ashley Salas
 QMS Specialist



NORTH EAST FASTENERS CORPORATION



AS9100 / ISO 9001

CERTIFICATE OF CONFORMANCE

NEF certifies that products supplied under this Order are in compliance with the specifications as stipulated, and were manufactured at 8, Tremco Dr, Terryville, CT 06785 USA

Customer Order Information					
Sold To: <i>Parker Fasteners</i>					
Ship Date: <i>5/6/2025</i>			NEF Part #: <i>M3x.50.1575KWF6g8740HT7BO1 -</i>		
Sales Order: <i>35138</i>			Heat #: <i>537620</i>		
Qty Shipped: <i>9.800 m</i>			Lot #: <i>97294</i>		
Descr: <i>M3 x .5 x 4mm Socket Wafer MS (6g) A-8740 Alloy Steel DFARS Heat Treat ISO 898-1 Grade 8.8 Black Oxide</i>					
Specifications					
IFI		Metric IFI		ISO	
Customer Print		DIN		JIS	
Other Specifications : <i>Ref DIN7984</i>					
<i>DFARS 252.225-7009</i>					
Part # : <i>M3C4LHD-BLKOXGRD8.8</i>			Dual :		
Print # :					
Desc : <i>ECCN#: EAR99</i>					

*These products do not contained or have come in contact with Mercury or any of its compounds during any manufacturing processes.

*Products noted herein are compliant to RoHS directive (2011/65/EU) and RoHS 3 (EU 2015/863). We certify that these parts do not contain any of the REACH Substances of Very High Concern(SVHC) according to the Candidate List published by the ECHA (EC 1907/2021). In cases where the customer's contract specifically calls out a Cadmium or Hexavalent Chromate finish, these parts would not be considered REACH/RoHS compliant *This document is free from any false or fraudulent statements.

Martin Van Linter
President

QAForm-019
Rev. B Dtd 2/2018



AS9100/ISO9001 QSLM Level 2/3 CAGE Code: 07ZN5

Bennett Heat Treating & Brazing Co. Inc.

Order No.: 172773

Certification

Date: 04/17/2025

Entry Date: 03/21/2025

Page: 1 of 1

To:

Northeast Fasteners
8 Tremco Drive

Purchase Order No.: 50102

Packing List No.:

Terryville

CT 06786

1

Material: 8740

BENNETT HEAT TREATING & BRAZING CO. IS NADCAP APPROVED
ALL PARTS LISTED ARE PROCESSED AND TESTED IN ACCORDANCE WITH SPECIFICATION AND PURCHASE
ORDER REQUIREMENTS INDICATED AND ARE ACCEPTED UNLESS OTHERWISE NOTED.

Quantity	Part Number / Part Name / Part Description	Pounds
11,000	M3C4LHD-BLKOXGRD68 M3 X .5 X 4MM SOCKET WAFER . LOT#97294	11

In Accordance With:

Insp. Type	Scale	Minimum	Maximum	Number	Other
Customer Requirements:					
Surf HDN	HRC		32.		
Harden	HRC	22	32.		
Results:					
Surf HDN	HRC	33.	34.		1. MICRO# 0425-43
Hardness	HRC	32.	32.		1. ...

Process Steps

Step 1: Rec Inspect

Step 2: Rack

Step 3: Harden

1550 X 45 MIN

Step 4: Wash

Step 5: Temper

1075 x 2 Hrs

Step 6: Hdns Test

Step 7: Pack

CHIEF INSPECTOR
BILL GAVIDIA



Ian Ramsundar
Production Manager

ALL WORK IS PROCESSED IN A MERCURY FREE ENVIRONMENT.
QUANTITY INSPECTED IS RECORDED IN THE "NUMBER" COLUMN.

TEMPERATURES ARE DEGREES FARENHEIT AND TIMES HRS : MIN, UNLESS OTHERWISE NOTED



JH METAL FINISHING, INC.
BLACK OXIDE
Metal Finishing Specialists
1146 EAST STREET - NEW BRITAIN, CT 06051
PHONE (860) 223-6412 or (860) 225-1662
FAX (860) 225-4277 EMAIL office@jhmatalinc.com

ISO 9001-2015 CERTIFIED
CERT.#FM534474

DATE: MAY 05, 2025
JH METAL SO# 115676

CERTIFICATION OF CONFORMANCE:

THIS IS TO CERTIFY THAT THE MATERIAL LISTED BELOW, HAS BEEN BLACK OXIDE FINISHED IN ACCORDANCE WITH SPECIFICATION: COMMERCIAL STANDARDS. PARTS HAVE BEEN PROCESSED IN A MERCURY FREE ENVIRONMENT.

CUSTOMER: NORTH EAST FASTENERS CORPORATION

PURCHASE ORDER NUMBER: 50327 LOT# 97294

QUANTITY: 11.000 PCS.

PART NO./REV./DESCRIPTION: M3C4LHD-BLKOXGRD8.8
M3 x .5 x 4mm SOCKET WATER MS (6g) A-8740 ALLOY STEEL DFARS

The undersigned, individually, and as the authorized representative of the contractor, warrants and represents that all the information supplied above is true and accurate. The material covered by this certification conforms to all contract requirements (including but not limited to the drawings and specifications); The inspection test results and the analyses appearing herein are true and accurate; and this certification is made for the purpose of inducing payment and with knowledge that the information and certification may be used as a basis for payment.

JOHN HELENEK II, PRESIDENT
AUTHORIZED COMPANY REPRESENTATIVE
J H METAL FINISHING, INC.
BLACK OXIDE

Los Angeles, CA 90040
 Phone (323) 722-4933
 Fax (323) 721-2738

065001

SALES ORDER / RLS
828048 / 1
 ISO 9001-2000 REGISTERED

SOLD TO

NORTH EAST FASTENERS CORP
PO BOX 322
8 TREMCO DR
TERRYVILLE, CT 06786-0322
USA



CUSTOMER P.O. 91208	CUSTOMER PART .098 8740	QUANTITY 1,656 Lbs	CARRIERS 3	LADING NO 00074535	SHIPMENT DATE 10/15/2008			
SPECIFICATION N228740-100980A A-8740, AQ, SKFG, CHQ WIRE, SEAM & DEARB FREE, SAFS Zinc Phosphate, Lime & Stearate Coating, Size:0.097/0.099 Specifications: AMS 2301H AMS 6322N MIL-S-6049A AMEND 1, AMS-S-6049-A								
CERTIFICATION REQUIREMENTS								
Chemical Properties								
C	Si	Mn	P	S	Cu	Ni	Cr	Mo
.41	.24	.94	.01	.012	.18	.42	.42	.20
Physical Properties								
Grain Size	Jominy 1	Jominy 2	Jominy 3	Inclusions Macro	Cleanliness	Mill Source		
6	J5=54	J8=46	J10=41	S2-R1-C2	GOOD	F&S=0	Charter	
Country of Origin								
USA - DFAR Compliant								
Mechanical Properties								
<u>TEST</u>	<u>UNITS</u>					<u>Results</u>		
Tensile Strength	KSI					76.3		
Yield Strength	KSI					64.9		
% Elongation	%					29		
% Reduction of Area	%					71.0		
Rockwell Hardness B Scale	HRB (s)					82		
Decarb (Total)	In					0.00		
Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. "The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal statutes including Federal law, Title 18, Chapter 47."								
REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.								
Wire Tech, Inc. metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 1077, IFI 140, inclusion rating per ASTM E 45, decarburization performed as per IFI 140. The reported Chemical and Physical Properties are Melt Source results. Transcribed from mill certificates. HRB(W) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. *Test result not covered by our current A2LA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by A2LA or covered by Wire Tech, Inc. A2LA accreditation.								
TEST RESULTS RELATE ONLY TO THE ITEMS TESTED.								
"LATEST REVISIONS OF ASTM"								
Material is free of mercury, radium, or alpha contamination.								



**CHARTER
STEEL**

A Division of
Charter Manufacturing Company, Inc.

FILE

1658 Cold Springs Road
Saukville, Wisconsin 53080

(262) 268-2400

1-800-437-8789

FAX (262) 268-2570

CHARTER STEEL TEST REPORT
Reverse Has Text And Codes

Wiretech Incorporated
6440 East Canning Street
Los Angeles, CA 90040-
Attn: Janice Duran

Charter P/O	6201-1
Charter Part #	8740C1A060-C-R
Charter Sales Order	263630
Heat #	537620
Ship Lot #	550271
Grade	8740 R SK FG AQ
Process	SA
Finish size	1/4

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed below and on the reverse side, and that it satisfies those requirements.

Test Results of Heat Lot# 537620

Lab Code: 7388

OUTS. MELT SOURCE HEAT NUM. = N/R

Chemistry	C	MN	P	S	SI	NI	CR	MO	CU	SN	V
Wt%	0.41	0.94	0.010	0.012	0.240	0.42	0.42	0.20	0.18	0.008	0.001

AL	N	B	TI	NB
0.024	0.0070	0.0001	0.001	0.001

Jominy (HRC)	JOM01	JOM02	JOM03	JOM04	JOM05	JOM06	JOM07	JOM08	JOM09	JOM10	JOM11	JOM12
	59	58	57	58	54	52	51	46	44	41	40	38
JOM13	JOM14	JOM15	JOM16	JOM18	JOM20	JOM22	JOM24	JOM26	JOM28	JOM30	JOM32	
36	36	35	34	33	31	31	31	30	30	30	29	

JOMINY SAMPLE TYPE ENGLISH = B JOMINY LAB = 0358-01

CHEM. DEVIATION EXT.-GREEN = N/R

MACRO ETCH SURFACE = 1 MACRO ETCH RANDOM = 1 MACRO ETCH CENTER = 1

AMS 2301 FRQ AVE = 0.00 AMS 2301 FRQ IND = 0.00

AMS 2301 SEV AVE = 0.00 AMS 2301 SEV IND = 0.00

Test Results of Rolling Lot # 394077

MAX ALLOWABLE DEFECT = 0.0000

QC DEVIATION EXT.-GREEN = N/R

Test Results of Processing Lot # 550271

	# of Tests	Min Value	Max Value	Mean Value	
TENSILE (KSI)	2	86.1	86.5	86.3	TENSILE LAB = 0358-02
REDUCTION OF AREA (%)	2	57	67	62	RA LAB = 0358-02
ROCKWELL B (HRBW)	2	83	83	83	RB LAB = 0358-02
ROCKWELL C (HRC)	0	0	0	0	RC LAB = N/R

NUM DECARB = 2 FREE FERRITE DECARB = 0.000 FREE FERR & PARTIAL DECARB = 0.000

CP SPHERO % LAB = 0358-02 NUM SPHERO = 2 SPHERODIZATION (%) = 81.3

QC DEVIATION EXT.-PROCESSED = N/R

Specifications:

Manufactured per Charter Steel Quality Manual Rev 8, 12-05-07

Meets customer specifications with any applicable Charter Steel exceptions for the following customer documents:

Customer Document = COP 3010 Revision = M Dated = 12-MAR-2003

Additional Comments:

MEETS REQUIREMENTS OF SPECIFICATIONS

AMS6322N/AMS2301J/MIL-S-6049A

Charter Steel
Saukville, WI, USA



Janice Barnard

Janice Barnard
Manager of Quality Assurance
05/28/2008

Fax number: (323) 728-6360

Rem: Load0,Mail0,Fax0

Page 1 of 1

Bennett Heat Treating & Brazing Co. Inc.

Order No.: 172773

Certification

Date: 04/17/2025

Entry Date: 03/21/2025

Page: 1 of 1

To:

Northeast Fasteners
8 Tremco Drive

Purchase Order No.: 50102

Packing List No.:

Terryville

CT 06786

1

Material: 8740

BENNETT HEAT TREATING & BRAZING CO. IS NADCAP APPROVED
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ORDER REQUIREMENTS INDICATED AND ARE ACCEPTED UNLESS OTHERWISE NOTED.

Quantity	Part Number / Part Name / Part Description	Pounds
11,000	M3C4LHD-BLKOXGRD5 8 M3 X .5 X 4MM SOCKET WAFER . LOT#97294	11

In Accordance With:

Insp. Type	Scale	Minimum	Maximum	Number	Other
Customer Requirements:					
Surf HDN	HRC			62	.
Harden	HRC	22.	32.		.
Results:					
Surf HDN	HRC	33.	34.		1. MICRO# 0425-43
Hardness	HRC	32.	32.		1. - - -

Process Steps

Step 1: Rec Inspect

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1550 X 45 MIN

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Production Manager

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INSPECTION CERTIFICATION

26815 W Baseline Rd Buckeye, AZ 85326
 Phn: (623) 925-5998 Fax: (623) 925-5968



Lot No: **37204** Lot Qty: **9,800** Date: **5/6/2025**
 Part No. **M3C4LHD-BLKXGRD8.8** HD Mark: **N/A**
 Desc: **M3-0.5 x 4mm LOW HEAD CAP SCREW FULLY THREADED 4037 ALY STL GRD 8.8 BLACK**
 Lab Tech: **Siyenna Ozaeta**
 Heat: **537620** Material: **8740** Station Number: **GS006**

FEATURE	RECESS DEPTH	HEAD HEIGHT	HEAD DIA	MAJOR	LENGTH	RING RESULTS	Gages Used
MAX	0.0615	0.0775	0.2150	0.11730	0.1660		Recess Element: ID GO-PF BIT
MIN	0.0543	0.0745	0.2110	0.11310	0.1490		SN PF-2MM
	0.0555	0.0750	0.2128	0.11445	0.1565	PASS	Digital Indicator: ID RC006
	0.0585	0.0750	0.2130	0.11445	0.1575	PASS	SN RC0001244
	0.0615	0.0760	0.2127	0.11450	0.1565	PASS	Head Height Gauge: ID HH0006
	0.0610	0.0750	0.2134	0.11465	0.1555	PASS	SN IN0004722
	0.0615	0.0750	0.2129	0.11435	0.1575	PASS	Protrusion Plate: ID PL006
	0.0610	0.0745	0.2133	0.11425	0.1570	PASS	SN PHG0001605
	0.0543	0.0755	0.2136	0.11420	0.1575	PASS	Major Checker: ID MG0006
	0.0580	0.0745	0.2131	0.11435	0.1575	PASS	SN MIC0003846
	0.0585	0.0750	0.2131	0.11455	0.1575	PASS	Length Gauge: ID LG0006
	0.0575	0.0750	0.2127	0.11470	0.1580	PASS	SN LG0000526
	0.0575	0.0750	0.2129	0.11455	0.1570	PASS	GO Ring Gauge: ID M3-0.5 6g
	0.0610	0.0745	0.2131	0.11455	0.1545	PASS	SN RG0134
	0.0615	0.0750	0.2129	0.11455	0.1580	PASS	NOGO Ring Gauge: ID M3-0.5 6g
	0.0610	0.0750	0.2131	0.11455	0.1565	PASS	SN RG0135
	0.0555	0.0750	0.2131	0.11470	0.1565	PASS	Inspected: 30
	0.0590	0.0755	0.2135	0.11465	0.1565	PASS	Accepted: 30
	0.0615	0.0750	0.2131	0.11445	0.1555	PASS	Rejected: 0
	0.0610	0.0745	0.2128	0.11480	0.1555	PASS	
	0.0575	0.0750	0.2127	0.11445	0.1545	PASS	
	0.0575	0.0750	0.2131	0.11430	0.1565	PASS	
	0.0570	0.0745	0.2127	0.11475	0.1575	PASS	
	0.0610	0.0750	0.2136	0.11435	0.1560	PASS	
	0.0615	0.0750	0.2126	0.11425	0.1570	PASS	
	0.0610	0.0750	0.2129	0.11455	0.1555	PASS	
	0.0615	0.0750	0.2131	0.11440	0.1555	PASS	
	0.0600	0.0750	0.2142	0.11455	0.1575	PASS	*LOT ACCEPTED*

Andrew Clayton 5-21-25
Andrew Clayton
 QMS Specialist

Ashley Salas 5/20/25
Ashley Salas
 QMS Specialist

Documented results are representative of sampling performed in accordance with PO instructions and procurement specifications as required.