

Acme Industrial Company
Keylocking Threaded Insert
Certificate of Conformance

Acme Industrial Company
441 Maple Avenue
Carpentersville, IL 60110
Ph: 847-428-3911
Fax: 847-428-1820
Cage Code: 00175

Customer Part Number MS51830-104, REV G, 5/9/22

MIL-I-45914A Rev. 4/25/91

Acme Part Number: 217-076286

Acme Lot Number:

405066-000

Quantity Manufactured:

24625

Lubrication Spec:

Date Manufactured:

10/4/2024

Material Spec:

AMS 5640

Material Supplier: RODACCIA

Mill Heat Number:

563825

Surface Treatment: AMS 2700

Part Number: 131-629017

Heat Treat Specs

Hardness:

Component Part No: 132-785703

Component:

Material Supplier: KENMODE TOOL

Mill Heat Number: Y64P

Material Spec:

ASTM A580(Chem Only)

Heat Treat Spec:

Hardness Req't:

Surface Treatment:

Note: DFARS compliant per 252.225-7014 alt 1, superseded by 252.225-7008 & 252.225-7009
Parts manufactured in the USA

DISCLAIMER: SELLER MAKES NO OTHER WARRANTY WHATSOEVER, EXPRESSED OR IMPLIED AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED AND EXCLUDED FROM ALL TRANSACTIONS AND SHALL NOT APPLY TO THE GOODS SOLD.

REMEDY: Our obligation is limited to the repair or replacement of defective parts or, at our option, the refund of the purchase price.
IN NO EVENT SHALL THE SELLER BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES IN THE NATURE OF PENALTIES.

Certificate of Conformance and test results may only be reproduced in their complete form.
The test results relate only to the item or items tested.

The product identified on this Certificate of Conformance has been manufactured, tested, and unless noted otherwise, conforms to the applicable drawings, specifications, and standards. Complete reports of physical and chemical tests are on file for examination. Goods conform to seller's quality level.

unless specified otherwise.
Note: Blank spaces indicate that a quality requirement is not applicable.
Form No.: 410-28 Rev/6/29/06

Joseph Liautaud
Joseph Liautaud
Quality Manager

CERTIFICATION PACKAGE REVIEWED BY:

NAME: ICM DATE: 12-23-24

Test Results

Acme Part Number: 217-076286 Date Manufactured: 10/4/2024

Customer Part Number MSS1830-104, REV G, 5/9/22.

Internal Thread: 8-32 UNJC-3B Lot Number 405066-000
External Thread: 1/4"-28 UNF-2A. Manufactured Quantity: 24625

	Required		A/R
Torque Out:	45	Inch/Lbs. Min	Accept
Pull Out:	1806	Lbs. Min	Accept
Internal Thread Proofload:	1750	Lbs. Min	Accept
Max Locking Torque:		Inch/Lbs Max	NA
Min Breakaway Torque:		Inch/Lbs Min	NA
metallurgical Properties:	MIL-45914A REV 4/25/91		Accept
Magnetic Permeability:	NA		

Notes: Test results must not be reproduced except in full. Test results apply only to items tested.
Blanks spaces indicate no Quality requirements applicable.
Include one copy with shipment, retain one copy for records.

CERTIFICATION PACKAGE REVIEWED BY:

NAME: IPM DATE: 12-23-24



23642 Borsano Parma (P.C.) - Via Giuseppe Roda 1 - Italia
Tel. +39 0427/91111 - Fax +39 0427/91112
www.rodacciai.com - info@rodacciai.com

Azienda con sistema di gestione certificato da ISO
secondo UNI EN ISO 9001:2015
The Company's Quality Management System
is certified by ISO according to UNI EN ISO 9001:2015

CERTIFICATO DI CONTROLLO Inspection Certificate N. 190389 Date 13/12/2023
Secondo According to EN 10204:2004 3.1

DESTINATARIO - Cargo-Receiver **CLIENTE** - Customer
R.S.S. INC (BUFFALO) - IL
SOLD TO ACME INDUSTRIAL
PO# 175996-0
ITEM # 131-629017
230 LEXINGTON DR
60089 BUFFALO GROVE ILLINOIS

ORDINE - Order N. 903815 Date 24/02/2023
D.G.T. - Delivery note N. 12222/13 Date 13/12/2023
Weight lb 7665 **Ord. Nr.** 2023/A/09712
Bars Length 12 - 12 ft.

QUALITA' - Grade STANDARD Type AISI 303 - UNS S 30300
Mark RODACCIAI 303 PLUS
PROFILO - Shape ROUND
DIMENSIONE - Size 1/4"
ESECUZIONE - Form of delivery COLD DRAWN

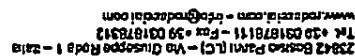
COLATA - Heat 563825
Melted in: ACEROS INOXIDABLES OLARRA S.A. Country: Spain

ANALISI CHIMICA DI COLATA - Cast analysis % by mass
C Mn Si S P Cr Ni Mo Cu Co
0,045 1,740 0,500 0,3250 0,039 17,590 8,330 0,410 0,450 0,140
N 0,0305

CARATTERISTICHE MECCANICHE ALLO STATO DI FORNITURA
Mechanical properties of the delivered material
Max Tested
Tensile Strength Rm PSI 124691,0 - 125000
Yield Strength Rp(0,2) PSI 107249,0 32,0
Elongation A 4 (%) 32,0
Hardness HBW 262,0 26
Hardness HRC 26,0 26
Reduction of area Z (%) 60,2

NOTE - Notes
This product was manufactured in Italy
Compliant to DEARS clause 252.225-7009 and -7012.
According to: AMS 5640W TYPE 1 2023 ASTM A370 - 17
ASTM A582:22 Cond. A Cold finished after (Annealed)
ASTM A484/A 484M 20
ASTM A314-15
ASTM A751-14a ASTM F899-20 EN 10088-3:2014
Pag. 1 / Segue

18
9-11-24



Azienda con sistema di gestione certificato da ISO secondo UNI EN ISO 9001:2015

The Company's Quality Management System is certified by ISO according to UNI EN ISO 9001:2015

Inspection Certificate, confidential

Nessuna riparazione di saldatura - Privo di contaminazione da mercurio. Struttura liscio e macro
Prova di rottura al 100% con metodo a correnti indotte

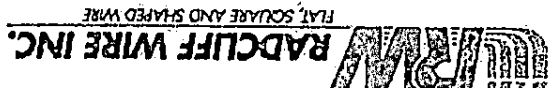
Compliant to DFRS clause 252.235-7009 and -7012 .
According to, AMS 5640W TYPE 1 2023 ASTM A370 - 17
ASTM A582, 22 Cond. 7a Cold finished after (Annealed)

The material was produced by RF & A.O.D.
No Weld Repair - Free of Mercury contamination
Micro and Macro structure ; Satisfactory
crack test 100% with eddy current test

Bureau quality condition 28 concerning also to NN 10277 class 3

We certify hereby, that the above mentioned products are consistent with the order prescriptions.
This certificate was generated by data system acc. to EN 10204, it is not necessary to be signed for validity.

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97 Ronzo Road • Bristol, CT 06010
Ph: (860) 583-1305 • Fax: (860) 583-6553
www.radcliffwire.com

Cert of Conformance / Material Cert

Sold To: KENMODE TOOL & ENGINEERING, I	
820 W. ALGONQUIN RD	
ALGONQUIN, IL 60102	
Date Shipped: 12/29/2023	
PO #: 072134	Radcliff No.: 161452
Heat No.: Y64P	Qty. Shipped: 638 LBS-2-22" PLASTIC SPOOLS

Item Description	
T302 Stainless Steel	
Edge: SPECIAL-SEE	Spec: ASTM
A580/A580M-23	
WIRE PURCHASED TO PRODUCE PARTS	
FOR ACME INDUSTRIAL CO.	
QUALITY MANAGER	
KENMODE TOOL & ENGINEERING	

Chemical Analysis			
C: .07400%	Co: .25000%	Cr: 18.11000%	Cu: .36000%
Mn: 1.20000%	Mo: .36000%	N: .06700%	Ni: 8.09000%
P: .03000%	S: .00410%	Si: .34000%	Ti: .00200%
Mechanical Properties			
Tensile: 215 KSI		Rockwell: C43	

We certify that the chemical analysis, physical properties, and mechanical test results are correct as contained in our records, and that they conform to customer requirements. Material as shipped, is free from mercury contamination, and does not contain any conflict mineral or Russian originated Steel or Iron. All material complies with RoHS 3, REACH and Conflict Minerals unless a lead plating has been specified. Material is DFAR compliant

Note: Material SDS will be emailed upon request

INCOMING INSPECTION APPROVED

Lisa Platek
Certification Clerk

Date: 1/3/2024
Insp: [Signature]



PO Box 603, 97 Ronzo Rd, Bristol, CT 06011-0603
Tel: (860) 583-1305, Fax: (860) 583-6553

Order Number
161452

Customer PO 072134

Packing Slip
Shipping Copy

Sold To: KENMODE TOOL & ENGINEERING, INC Ship To: KENMODE TOOL & ENGINEERING, INC

820 W. ALGONQUIN RD ALGONQUIN, IL 60102
820 W. ALGONQUIN RD ALGONQUIN, IL 60102

Ship Via: THIRD PARTY BILLING C/O UTS, PO Box 888470, Grand Rapids, MI 49588

Ship Date	Qty Ordered	Units	Finish	Shape
12/28/2023 Or Sooner	1600	LBS	SPECIAL	

Material	Heat No.
T302 Stainless Steel	Y64P

Size/Tolerance	Spool Type
.039/.041 .053/.055(.0400 ± .0010 X .054 ± .0010)	22" Black Plastic Reel

Edge	Temper	Tensile/Rockwell
SPECIAL-SEE PRINT	RC 41-44 AIM FOR LOW END	

Date Entered	Quote No.	Customer Part No.	Drawing #/ Rev
6/28/2023	61849	SSW3020002	15719 / B Modified

Spec
ASTM A580/A580M-23

Special Instructions
SURCHARGE AT TIME OF BILLING. CUSTOMER WOULD LIKE IN HOUSE FOR 12/11 IF AT ALL POSSIBLE

Melting Country: United States

SHIPPING RECORD	
Date	Quantity & Packaging
12/29/2023	638 LBS-2-22" PLASTIC SPOOLS 1 Skid

JOB# 161452

PO #: 72134 ✓

SIZE: .039/.041X.053/.055

HEAT # Y64P ✓

DATE: 12/28/2023

TOTAL WEIGHT:

638 /

SPool #	WEIGHT	SPool#	WEIGHT
1	320	35	
2	318	36	
3		37	
4		38	
5		39	
6		40	
7		41	
8		42	
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33		67	
34		68	

638

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KENMODE TOOL & ENG



80 Wauregan Road
Darien, CT 06239
Voice: 860-774-0907 Fax: 860-774-0765
E-mail: joly@siriwire.com ISO: 9001:2015

CERTIFICATE OF ANALYSIS

SOLD TO: Radcliff Wire Inc.
PO Box 603
Bristol, CT 06011

SHIP TO: Radcliff Wire Inc.
97 Ronzo Road
Bristol, CT 06010

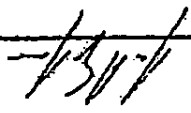
SALES ORDER 12228	WORK ORDER 18096 S21007 L20777	SHIP DATE 08/16/2023	CUSTOMER PO 60398
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ITEM DESCRIPTION			
DIA. ORDERED .0625	QTY SHIP (LBS) 1981	COUNTRY OF ORIGIN USA	MILL SOURCE North American Stainless
MATERIAL 302	HEAT # ✓	MERCURY FREE Yes	ROHS COMPLIANT Yes
	Y64P		DFARS COMPLIANT Yes

CHEMICAL ANALYSIS							
C	Co	Cr	Cu	Mn	Mo	N	NI
.074	.25	18.11	.38	1.20	.380	.087	8.09
P	S	SI	TI				
.030	.0041	.34	.0020				

MECHANICAL PROPERTIES							
DIA. SHIPPED .0625	TENSILE 282,650	COIL TEST Pass	WRAP TEST Pass	BEND TEST 9			
SPECS: ASTM A313, ASTM A580-18							

ADDITIONAL NOTES

Authorized signature:  James Craig, Quality Manager



**NORTH AMERICAN
STAINLESS**
An American Group Company

METALLURGICAL TEST REPORT

6870 Highway 42 East
Cheney, KY 41045-9615
(502) 347-6000

Certification: 863138 02 Mail To:

SIRI WIRE COMPANY
90 KANTREGAN ROAD
DANIELSON CT 06239

Ship To:

SIRI WIRE COMPANY
90 KANTREGAN ROAD
DANIELSON CT 06239

Date: 7/24/2023 Page: 1 of 1
Steel: 304/302 ✓
Finish: BRAP

Customer: 3610 001

NAS Order: LR 16254 2

Your Order: 20230701

Item Code:

Heat Treat Code: 77,013

Leg Length: .2165 in

Corrosion: ASTM A262/15 Prac A/E OK

PRODUCT DESCRIPTION:

Wire Rod BRAP
UNS S30400, EN 10204 3.1 ✓
ASTM A555/20, ASTM A567/18 CERN ONLY

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7014 EU DIRECTIVE
2014/65/EU ROHS, ENF+MOD-CC. NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
WT94387 2500	WT94388 2314								

CHEMICAL ANALYSIS CM(Country of Mfg) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

NAS Heat	Supplier Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
Y64P ✓	Y64P	DS	.074	.25	18.11	.36	1.20	.360	.067	8.09	.030	.0041
		SI %	TI %									
			.34	.0020								

MECHANICAL PROPERTIES

1 d g f	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
WT94387 R L	136.0	42.30	93.60	78.40	65.40
WT94388 R L	136.0	42.30	93.60	78.40	65.40

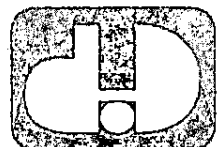
NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical
Dept. Mgr. 
KRIS LARK

CERTIFICATION

CHEM PROCESSING, INC.
Platings & Coatings for Industry

CERTIFIED ISO 9001/AS9100



TO: ACM120
 ACME INDUSTRIAL COMPANY
 441 MAPLE AVE
 CARPENTERSVILLE, IL 60110

Handwritten initials: CH

CERTIFICATION - Being your agent and having accepted your purchase order and material in proper condition for finishing to the terms of the referenced specification, we certify the material listed below has been processed in accordance with the following specification using procedures, tests, and inspections applicable to the control requirements of the specification and your purchase order. Results of tests and inspections performed are on file and available for review by authorized personnel. Records substantiating the above are available in our files for inspection by authorized personnel.

ORDER #	PART NUMBER	QUANTITY	COMPLETED UNIT
887246-0001	217-076286	24426	EACH

176250-0

KEYLK INS SIB 8-32J

Passivate per AMS specification 2700
 Rev. F, Method 1, Type 7, Class 4.

Copper Sulfate Tested per SAE
 Specification AMS-STD-753B, Method 102.

MS51830-104, REV G, 5/9/22

Serial/Lot #'s : SO# 405066

Signed: *David B.*

DAVID BOLANOS

Date: 9/18/2024

Title: *Quality Inspector*

