

VPO - 500
CAGE 17

HELICAL WIRE, INC.

17833 State Highway 31 East
Tyler, Texas 75705
CAGE CODE: 0EE83
PHONE: 775-246-5333
FAX: 775-246-5388 / 775-246-5389
EMAIL: info@helicalwire.com



Packing List

DATE	INVOICE #
3/6/2025	HW2025-0544

BILL TO
Barmil LTD. P.O.B 10215 69 Gissin Street Petach Tikva 49222, Israel NOT INSURE



SHIP TO
Barmil Ltd. C/O Alison Transport C/O PAI Trucking 145-45 156th Street Jamaica, NY 11434 USA

P.O. NUMBER	TERMS	SHIP DATE	SHIP VIA	UPS	FEDEX	FOB	E-MAIL	INV
250331	Net15/CC	3/6/2025	FEDEX 2...				idit@barmil.c...	email

ITEM	ORDER	SHIP	B/O	DESCRIPTION
1420N0250/155592/J66L/7-5-24 Prepay Customer Freight INLC	3,000	3,000	0	MS122081 LOT 155592 / J66L / 7-5-24 .250-20x.250 Free Running Insert, 304 Stainless Steel EQUAL 1185-4CN250 Prepay Customer Freight FEDEX: 7725 3194 6800 Helical Wire, Inc. - Cage Code: 0EE83 QMS: AS9100D & ISO 9001:2015 Conformance Certification We hereby certify the material and parts shipped on your Purchase Order listed above and our Packing List Number listed above, have been manufactured in the United States and is in conformance with following specifications: AS7245 Rev. B, NASM33537 Rev. 1, NASM8846 Rev. 1, NASM122076 Thru NASM122127 Rev.2. All material is mercury free and pass RoHS 3 compliance - Directive EU 2015/863. All material comply with the requirements of the European Union (REACH) June 2020 legislation. Product was manufactured by a small business in the United States of America and the specialty metal and processes used in the manufacture of this product is US Melt and /or DFAR compliant per DFAR 252.225-7009 Specialty Metals. Helical Wire, Inc. representative - <i>E. Contreras</i>

PAST DUE INVOICES WILL BE CHARGED FINANCE CHARGES AT THE RATE OF 1.5% PER MONTH ON THE UNPAID BALANCE. All claims for error, shortage, or damage must be made within 7 days after receipt. No returns on non-traceable or non-defective products

AS9100
QUALITY
MANAGEMENT
SYSTEM



FINAL INSPECTION REPORT-NON LOCKING

PAGE 1 OF 1

PART NO. MS122081 DWG.NO. 1420N0250 DWG.REV. 2 INSERT SCREW THREAD,NON LOCKING

LOT NO. 155592 / J66L / 7-5-24 QTY.MFG. 74,561

VISUAL/DIMENSIONAL REQUIREMENTS: O.D. .310 - .330 TANG .182 - .233 COILS 3.375 +/- 1/4

#	O.D.	TANG	NOTCH	DESIGN	COILS	#	O.D.	TANG	NOTCH	DESIGN	COILS
1	.313	.212	75°	OK	3.500	33	.312	.210	75°	OK	3.500
2	.313	.206	75°	OK	3.500	34	.312	.212	75°	OK	3.500
3	.313	.193	75°	OK	3.500	35	.312	.227	75°	OK	3.500
4	.312	.203	75°	OK	3.500	36	.312	.218	75°	OK	3.500
5	.313	.197	75°	OK	3.500	37	.312	.213	75°	OK	3.500
6	.312	.201	75°	OK	3.500	38	.312	.210	75°	OK	3.500
7	.313	.197	75°	OK	3.500	39	.313	.214	75°	OK	3.500
8	.311	.211	75°	OK	3.500	40	.312	.215	75°	OK	3.500
9	.311	.204	75°	OK	3.500	41	.311	.229	75°	OK	3.500
10	.313	.201	75°	OK	3.500	42	.311	.223	75°	OK	3.500
11	.311	.212	75°	OK	3.500	43	.312	.205	75°	OK	3.500
12	.313	.203	75°	OK	3.500	44	.312	.221	75°	OK	3.500
13	.312	.207	75°	OK	3.500	45	.312	.224	75°	OK	3.500
14	.312	.195	75°	OK	3.500	46	.313	.201	75°	OK	3.500
15	.312	.201	75°	OK	3.500	47	.312	.210	75°	OK	3.500
16	.312	.202	75°	OK	3.500	48	.312	.209	75°	OK	3.500
17	.312	.206	75°	OK	3.500	49	.312	.220	75°	OK	3.500
18	.312	.208	75°	OK	3.500	50	.312	.219	75°	OK	3.500
19	.311	.211	75°	OK	3.500	51	.312	.207	75°	OK	3.500
20	.312	.207	75°	OK	3.500	52	.311	.208	75°	OK	3.500
21	.311	.202	75°	OK	3.500	53	.312	.205	75°	OK	3.500
22	.312	.219	75°	OK	3.500	54	.311	.207	75°	OK	3.500
23	.311	.219	75°	OK	3.500	55	.313	.210	75°	OK	3.500
24	.312	.208	75°	OK	3.500	56	.313	.215	75°	OK	3.500
25			75°	OK		57					
26			75°	OK		58					
27			75°	OK		59					
28			75°	OK		60					
29			75°	OK		61					
30			75°	OK		62					
31			75°	OK		63					
32			75°	OK		64					

NASM8846 INSTALL INSERT / TANG BREAK-OFF / BOLT TEST

Sample	
1	OK
2	OK
3	OK
4	OK
5	OK
6	OK
7	OK
8	OK

MEASURING EQUIPMENT/TEST BOLTS/TEST BLOCK

Bolt Part Number	NAS1352-4-8
Bolt Certification #	77672
Bolts Issued	1
Ring Gage Go #	1755539
Ring Gage No/Go #	1756292
STI Tapped Hole	1/4-20
Thread Plug Gage #	587435
Caliper #	6168
Bolts Returned	1
Test Block Lot #	71614 / 4-18-19
Retest per Management	Yes No X

TENSILE STRENGTH: PASS X FAIL

BEND TEST: PASS X FAIL

SPACING: PASS X FAIL

O.D.,TANG,NOTCH,INSTALL

INSPECTED R.R. DATE 8/19/2024

COILS INSPECTED R.R. DATE 8/19/2024

DESIGN INSPECTED R.R. DATE 8/19/2024

FORM HW067A REV. A JUNE 2021

REMARKS

REVIEWED *E. Cortinas* DATE 8/19/2024

PLANNED BY: D. RAINWATER APPROVED BY: C. SALINAS

Cert of Conformance / Material Cert

Sold To: HELICAL WIRE INC.
6 PONY EXPRESS CIRCLE
MOUND HOUSE, NV 89705

Date Shipped: 9/16/2021
PO #: 76287 REL #1
Radcliff No.: 155592
Heat No.: J66L
Qty. Shipped: 2529.7 LBS-54-COILS

Item Description

20 PITCH (.0378/.0438
X .0500/.0540)

T304 Stainless Steel

Edge: SPECIAL
SHAPE-SEE PRINT

ASTMA580/A580M-18,
AS7245 & NASM8846
BOTH CHEMONLY

Melting Country: United States

Producing Country: United States

Notes:
BEND TEST PASS

Chemical Analysis

C: .06900%

Co: .29000%

Cr: 18.13000%

Cu: .39000%

Mn: .82000%

Mo: .39100%

N: .04100%

Ni: 8.55000%

P: .02700%

S: .00100%

Si: .29000%

Mechanical Properties

Tensile: 200 KSI

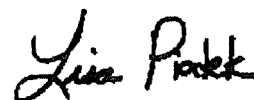
We certify that the chemical analysis, physical properties, and mechanical test results are correct as contained in our records, and that they conform to customer requirements.

Material as shipped, is free from mercury contamination.

All material complies with RoHS 3, REACH and Conflict Minerals unless a lead plating has been specified.

Shipment does not contain any counterfeit material.

Material is DFAR compliant



Lisa Piatek
Certification Clerk

Siri Wire

Manufacturers of Stainless Steel Wire

90 Wauregan Road
Danielson, CT 06239
Voice: 860-774-0607 Fax: 860-774-0785
E-mail: tjoly@siriwire.com ISO: 9001:2015

CERTIFICATE OF ANALYSIS

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

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

SALES ORDER 8332	WORK ORDER 12318 S14477 L14227	SHIP DATE 07/15/2021	CUSTOMER PO 58015				
ITEM DESCRIPTION							
DIAM ORDERED .0455	QTY SHIP (LBS) 2611	COUNTRY OF ORIGIN USA	MILL SOURCE North American Stainless				
MATERIAL 304	HEAT # J66L	MERCURY FREE Yes	ROHS COMPLIANT Yes				
CHEMICAL ANALYSIS							
C .069	Co .29	Cr 18.13	Cu .39	Mn .82	Mo .391	N .041	Ni 8.55
P .027	S .0010	Si .29					
MECHANICAL PROPERTIES							
DIAM SHIPPED .0453	TENSILE 167,213			WRAP TEST Unknown			
SPECS:							
ADDITIONAL NOTES							

Authorized signature: _____

James Craig, Quality Manager

PRECISION METAL SERVICES, INC

Precision Metal Services, Inc.
418 Stump Road, Montgomeryville, PA. 18936
Phone: (215)661-0225, 1-800-635-4885 Fax: (215)661-0366
Email: pms@precisionmetalservices.com
Website: www.precisionmetalservices.com

MATERIAL TEST REPORT

1032162

SOLD TO:
SIRI WIRE
90 WAUREGAN ROAD
DANIELSON, CT 06239

SHIP TO:
SIRI WIRE
90 WAUREGAN ROAD
DANIELSON, CT 06239

Heat Number		Product Description	Certificate No	Certificate Date
J66L		SRC 304H NAS 144 .2170" x Coil	53366301	10/26/20
Sales Order	Salesperson	Customer PO	Contact	Country Of Origin
W023043	KPH/KPH	BRYAN VERBAL	TAMMY JOLY	U.S.A.

Chemical Analysis (Weight %)

C	Mn	P	Si	S	Cr	Ni	Mo	Cu	Co	V	Ti
0.0690	0.8200	0.0270	0.2900	0.0010	18.1300	0.5500	0.3910	0.3800	0.2900		
Cb	N	Pb	Al	Fe	Cb+	Mg	B	Zn	Sn	Bi	Se
	0.0410										

Mechanical Properties

Yield Strength	Tensile Strength	% EL	% RA	Hardness	Grain Size
39.4 KSI (271.65 MPA)	91.9 KSI (633.63 MPA)	63%	81%	HB 126	

Other Tests / Remarks

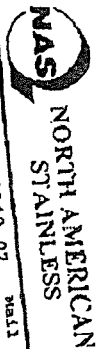
GRAIN 4-6 HAAP UNS S30400 EN 10204 3.1 ASTM A555/20 A580/15
CHEM ONLY COMPLIES W/REQ DFEA 252.225-7009 EU DIRECTIVE 2011
65 EU ROHS-AOD+CC NO WLED MELTED MFG IN USA FREE FROM MERCUR
LOW MELTING ALLOY CONTAM REDUCTION RATIO >40:1

Quality Control Manager: *Michael J. Waller*

Michael J. Waller

Date:

03/02/21 07:11:02 HU



METALLURGICAL TEST REPORT

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

Date: 10/22/2020 Page: 1 of 2

Certificate: 638940 02
Mail To: PRECISION METALS SERVICES, INC.
418 STIDP ROAD
MORTONKERVILLE PA 18936

Sold To: PRECISION METALS SERVICES, INC.
418 STIDP ROAD
MORTONKERVILLE PA 18936

Heat Treat Code: 61,528
Corrosion: ASTM A572/15 Prec A/2 OR
Length: 2155 to
DIA/THK: 1.215 to
Steel: 304
Finish: BRAP

Customer: 3955 001
Item Code: 104H Nas 144
Heat Treat Code: 61,528

NAS Order: LM 44916 1
Your Order: 1004732

REMARKS:
CONFORMS W/ REQUIREMENTS OF DPM 152.225-7009 TO DIRECTIVE
1011/65/ST. ROBS. EAF+MOD+CC. NO WELD REPAIR. RETIRED AND WFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION
BILLET SIZE 200MM. REDUCTION RATIO FOR WIRE ROD > 40:1

Grain Size 4-6
Wire Rod SHARP
DMS 530400, BY 10204 3.1
ASTM A555/20, ASTM A580/18 CUMEX ONLY

PRODUCT DESCRIPTION:

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
WP24675 2748	WP24676 2216						

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)									
NAS Heat	Supplier	Heat	CM	C %	CO %	CR %	CU %	MS %	MO %
US				.069	.29	18.13	.39	.82	.391

NBS Heat		Supplier	Heat	CM	C	%	CO	%	CR	%	CU	%	MS	%	MO	%	N	%	P	%	S	%
US							.069					.29										
J66L							\$1															
							4															

MECHANICAL PROPERTIES									
1 d	JB	No.	.2YS	UTS	KSI	RA	%	ELONG	% 2"

WP24675	RL	125.0	36.08	91.19	81.58	62.72			
WP24676	RL	125.0	36.08	91.19	81.58	62.72			

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



NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

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

Certificate: 639663 01 Mail To: PRECISION METALS SERVICES, INC.
418 STONE ROAD
MONTGOMERYVILLE PA 18936

SHIP To: PRECISION METALS SERVICES, INC.
418 STONE ROAD
MONTGOMERYVILLE PA 18936

Date: 10/26/2020 Page: 2 of 2

Customer: 3555 001

LM 44916 1

Item Code: 304H Nas 144

Heat Treat Code: 61, 510

Steel: 304
Finish: BRAP
Dia/Tub: .2165 in
Leg length:
Corrosion: ASTM A162/15 Prec A/E OK

NAS Order: P004732

Your Order: P004732

PRODUCT DESCRIPTION:

Grain Size 4-6
Wire Rod HRAP
UNS S30400, EN 10204 3.1
ASTM A555/20, ASTM A580/18 CHEM ONLY

REMARKS:
COMPLIES W/REQUIREMENTS OF DPA 251.225-7009 TO DIRECTIVE
2011/65/EU. REHS. EXP. LOD. CC. NO WELD REPAIR. WETTED AND WFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION
BILLET SIZE 200MM. REDUCTION RATIO FOR WIRE ROD > 40:1

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
WF24575 2200	WF24576 1960	WF24577 2620	WF24578 2566	WF24579 2204	WF24580 2092	WF24581 2734	WF24587 2258	WF24588 2518	

ANAB, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/14a

NAS Heat	Supplier Heat	CM	C %	CO %	CR %	CU %	NI %	NO %	N %	NI %	P %	S %
J66L	US	.069	.29	18.13	.39	.82	.391	.041	8.55	.027	.0010	

SI %

MECHANICAL PROPERTIES

Id	HB	No.	.2YS	UTS	RA	Ring
o	l		ksi	ksi	%	% 2°
e	t					
WF24575	R L	126.0	39.39	91.92	81.24	62.95
WF24576	R L	126.0	39.39	91.92	81.24	62.95
WF24577	R L	126.0	39.39	91.92	81.24	62.95
WF24578	R L	126.0	39.39	91.92	81.24	62.95
WF24579	R L	126.0	39.39	91.92	81.24	62.95
WF24580	R L	126.0	39.39	91.92	81.24	62.95
WF24581	R L	126.0	39.39	91.92	81.24	62.95
WF24587	R L	126.0	39.39	91.92	81.24	62.95
WF24588	R L	126.0	39.39	91.92	81.24	62.95

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Technical
Dept. Mgr.

KRIS LARK