

The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	01/17/2025
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	455	NET WEIGHT
	310	PCS
	3100'	FOOTAGE

DMT. P.O.	163				
CUST P.O.	P010494-00	CUST. PART NO.	6T260002450		
CDA	260	DIM.	.530" X .025"	LENGTH	10'
TEMPER SPECIFICATIONS		SOFT			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

Kemper AIP Metals, LLC
PO Box 195
Califon, NJ, 07830
US

Invoice # 430639

MILL CERTIFICATION

Customer: XXXXXXXXXX
Customer PO No. P001726-00
Mill Order No. 42805
Account Order No. 4500004476
Specification No. ASTM B135

Date: 12/5/2025
Alloy: 752
W.S. No.: 22439
Cust Part No. 6T752040441
Certification Units Inches

		Specified Minimum	Specified Maximum	Actual
Dimensions:	Outside Diameter	0.4980	0.5020	0.5000
	Inside Diameter			
	Wall Thickness	0.0206	0.0246	0.0226
	Length	143.7500	144.2500	144.0000
Tensile Test:	Tensile Strength			
Elongation Test				
Rockwell:	Rockwell 15 T			
	Rockwell 30 T			
	D.P.H.			
	Vickers			
Grain Size:				
Mercurous Nitrate Test:				
Other Tests:	Yield Strength			
	Pin Expansion			

Chemical Composition:

Cu%	Pb%	Fe%	Sn%	Zn%
65.038	0.003	0.04430	NIL	Remainder

Comments:



Kemper AIP Metals, LLC
PO Box 195
Califon, NJ, 07830
US

Invoice # 430563

MILL CERTIFICATION

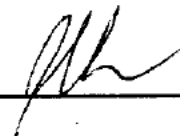
Customer:		Date:	11/14/2025
Customer PO No.	P000547-00	Alloy:	752
Mill Order No.	42339	W.S. No.:	22212
Account Order No.	4500003769	Cust Part No.	9T752050450
Specification No.	ASTM B135	Certification Units	Inches

		Specified Minimum	Specified Maximum	Actual
Dimensions:	Outside Diameter	0.5280	0.5320	0.5300
	Inside Diameter			
	Wall Thickness	0.0233	0.0273	0.0253
	Length	143.7500	144.2500	144.0000
Tensile Test:	Tensile Strength			
Elongation Test				
Rockwell:	Rockwell 15 T	60.0000	65.0000	62
	Rockwell 30 T			
	D.P.H.			
	Vickers			
Grain Size:				
Mercurous Nitrate Test:				
Other Tests:	Yield Strength			
	Pin Expansion			

Chemical Composition:

Cu%	Pb%	Fe%	Sn%	Zn%
65.038	0.003	0.04430	NIL	Remainder

Comments:





TERMOMECANICA SÃO PAULO S.A.

Client: 300290 THYSSENKRUPP MATERIALS NA

Material: FT521H02039116

UNS-C52100 H02 strip 600,00x0,99mm

XCUFLR07561

Control N°: 040001563983

Lot N°: 0001057775 Qty: 946.500 KG

1230207

Quality Certificate

Invoice N° / Date:

000309890 / 01.03.2025

Order / Date:

PO-5400719086 / 06.11.2024

Exp. N° / Supply N° / Item

EXP-18240/24 / 81621922 / 000010

Analysis Results - Chemical Composition

Characteristics	Unit	Found	Minimum	Maximum
Sn	%	7.55	7.00	9.00
P	%	0.088	0.030	0.350
Zn	%	0.020	0.000	0.200
Fe	%	0.079	0.000	0.100
Pb	%	0.020	0.000	0.050
Cu	%	remainder		

Physical, Mechanical and Metallographic Tests

Characteristics	Unit	Found	Minimum	Maximum
Shape	-	STRIP		
Alloy	-	UNS C52100		
Temper	-	1/2 HARD (H02)		
DRAWING	-	XCUFLR07561		
Width	inches	23.623	23.606	23.638
Thickness	inches	0.039	0.037	0.041
Hardness (RB)	HRB	85.000	69.000	88.000
Outer Diameter	mm	700	600	900
Internal Diameter	mm	508	508	508
Tensile Strength	ksi	75	69	84
Yield Strength	ksi	60	0	
Elongation	%	48.0	0.0	
Visual Inspection	-	Approved	-	-
Edge	-	Approved	-	-

WE ARE IN CONFORMITY WITH ROHS 2011/65/UE DIRECTIVE AS PER THE FIRST PARAGRAPH OF ARTICLE 4 AND ITEM 6 OF THE ATTACHED DOCUMENT. IN ACCORDANCE WITH STANDARD ASTM B-103 (23) / B-248(17)

Resp. Chemist: Cleber Segantini

CRQ: 04453254

Resp. Laboratory: Márcio Rodrigues da Silva

CREA: 5063293547

Av. Caminho do Mar, 2652 Compl.: 2700, R.12 de Outubro, 148 - SP - CEP 09612-000 - Brazil Tel. +55 11 4366-9722

www.termomecanica.com.br - sales@termomecanica.com.br



TERMOMECHANICA SÃO PAULO S.A.

Client: 300290 THYSSENKRUPP MATERIALS NA

Material: FT521H02039115
UNS-C52100 H02 strip 600,00x1,17mm
XCUFLR07562

Control N°: 040001554380
Lot N°: 0001026244 Qty: 1,668.200 KG

1230208

Quality Certificate

Invoice N° / Date:
000305281 / 10.23.2024

Order / Date:
PO-5400719086 / 06.11.2024

Exp. N° / Supply N° / Item
EXP-17330/24 / 81607895 / 000020

Analysis Results - Chemical Composition

Characteristics	Unit	Found	Minimum	Maximum
Sn	%	7.55	7.00	9.00
P	%	0.10	0.03	0.35
Zn	%	0.020	0.000	0.200
Fe	%	0.068	0.000	0.100
Pb	%	0.027	0.000	0.050
Cu	%	remainder		

Physical, Mechanical and Metallographic Tests

Characteristics	Unit	Found	Minimum	Maximum
Shape	-	STRIP		
Alloy	-	UNS C52100		
Temper	-	1/2 HARD (H02)		
DRAWING	-	XCUFLR07562		
Width	inches	23.623	23.606	23.638
Thickness	inches	0.046	0.043	0.049
Hardness (RB)	HRB	89.000	76.000	91.000
Outer Diameter	mm	630	600	900
Internal Diameter	mm	508	508	508
Tensile Strength	ksi	81.2	68.9	84.1
Yield Strength	ksi	67.7	0.0	
Elongation	%	44.0	0.0	
Visual Inspection	-	Approved	-	-
Edge	-	Approved	-	-

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www.termomecanica.com.br - sales@termomecanica.com.br



TERMOMECANICA SÃO PAULO S.A.

Client: 300290 THYSSENKRUPP MATERIALS NA

Material: FT521H02039114
UNS-C52100 H02 strip 600,00x1,37mm
XCUFLR07563

Control N°: 040001556164
Lot N°: 0001044884 Qty: 379.100 KG

1230201

Quality Certificate

Invoice N° / Date:
000305281 / 10.23.2024

Order / Date:
PO-5400719086 / 06.11.2024

Exp. N° / Supply N° / Item
EXP-17330/24 / 81607895 / 000010

Analysis Results - Chemical Composition

Characteristics	Unit	Found	Minimum	Maximum
Sn	%	7.70	7.00	9.00
P	%	0.13	0.03	0.35
Zn	%	0.020	0.000	0.200
Fe	%	0.025	0.000	0.100
Pb	%	0.048	0.000	0.050
Cu	%	remainder		

Physical, Mechanical and Metallographic Tests

Characteristics	Unit	Found	Minimum	Maximum
Shape	-	STRIP		
Alloy	-	UNS C52100		
Temper	-	1/2 HARD (H02)		
DRAWING	-	XCUFLR07563		
Width	inches	23.623	23.606	23.638
Thickness	inches	0.053	0.051	0.057
Hardness (RB)	HRB	88.000	76.000	91.000
Outer Diameter	mm	600	600	900
Internal Diameter	mm	508	508	508
Tensile Strength	ksi	80.2	68.9	84.1
Yield Strength	ksi	68.2	0.0	
Elongation	%	34.0	0.0	
Visual Inspection	-	Approved	-	-
Edge	-	Approved	-	-

WE ARE IN CONFORMITY WITH ROHS 2011/65/UE DIRECTIVE AS PER THE FIRST PARAGRAPH OF ARTICLE 4 AND ITEM 6 OF THE ATTACHED DOCUMENT. IN ACCORDANCE WITH STANDARD ASTM B-103 (19) / B-248(17)

Resp. Chemist: Cleber Segantini
CRQ: 04453254

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Av. Caminho do Mar, 2652 Compl.: 2700, R.12 de Outubro, 148 - SP - CEP 09612-000 - Brazil Tel. +55 11 4366-9722
www.termomecanica.com.br - sales@termomecanica.com.br

CERTIFIED TEST REPORT

Trip No. 315459 Bill of Lading: 240822 Packing Slip: 3978514 Ship Date: 10/23/2024
 B/L To COPPER & BRASS SALES IDPP THYSSENKRUPP MATERIALS NA INC. 8001 THYSSENKRUPP PARKWAY NORTHWOOD, OH 43619

01293

1240280

IN-PROCESS OR FINISHED PRODUCT SAMPLES, AS INDICATED BELOW, HAVE BEEN ANALYZED AND TESTED AND FOUND TO CONFORM TO THE CHEMICAL/MECHANICAL/ PHYSICAL REQUIREMENTS OF THE APPLICABLE ASTM MATERIAL SPECIFICATION AND TO THE GENERAL REQUIREMENTS OF ASTM B249 (UNLESS OTHERWISE NOTED) WITH THE FOLLOWING RESULTS:

Copper	Lead	Iron	TOE	Zinc
ASTM B16/B16M-24				
60.0-63.0	2.5-3.0%	0.35%max	0.50%max	Balance

CHEMICAL ANALYSIS STATEMENT OF CONFORMITY

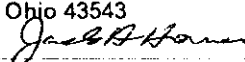
Chase Brass maintains chemical control according to the following statistical measures which are recalculated monthly:

Copper	Lead	Iron	TOE	Zinc
Cpk: 4.09	2.38			
Mean: 61.53	2.65	0.16		
Max: 62.09	2.81	0.20	0.33	Balance
Min: 60.60	2.51			

Order Traceability No	Product	Specification No	Customer PO	Quantity	Item No Custom Item No.
302947.1.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738619/0010	1029	0531RD12-505 CURD01335
302947.2.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738619/0020	5072	0562RD12-407 CURD00116
302947.3.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738619/0030	3082	0625RD12-407 CURD00462
302947.4.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738619/0040	5096	0750RD12-453 CURD00117
302947.5.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738619/0050	2076	0875RD12-050 CURD00345
302947.6.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738619/0060	4059	1125RD12-453 CURD01264
302947.7.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738619/0070	1664	1187RD12-050 CURD00249
302947.8.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738619/0080	2058	1250RD12-050 CURD01128
302947.9.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738619/0090	2100	1375RD12-453 CURD01295
302994.1.1	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738761/0010	10289	0625RD12-407 CURD00462

Certified Mercury Free Material
 ISO9001 Certified Quality System
 Certificate Number: US23/000000084 (SGS North America)
 Material is Directive 2000/53/EC Compliant
 Material is Directive 2002/95/EC (RoHS) Compliant
 Material is Directive 2011/65/EU (RoHS2) Compliant
 Material is Directive 2015/863/EU (RoHS3) Compliant
 This test report meets the guidelines of EN 10204 2.1

We hereby certify that the foregoing data is a true copy of the data furnished us by the producing mill or the data resulting from tests performed in the
 Wieland Chase, LLC LABORATORY.

Wieland Chase, LLC
 14212 Selwyn Drive
 Montpelier, Ohio 43543
 By 
 Jack A. Horner
 Quality Manager

Melted and manufactured in the USA
 Wieland Chase produced rod: NAFTA - Yes

WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

The recording of false, fictitious, or fraudulent statement or entries on this document may be a punishable offense under federal and state law

From: ThyssenKrupp Materials NA

Cust: DROP SHIP-UNITED MUSICAL

Del.: 2410371131

CstOr 124-280

CstOr p005715

Del.: 976 LB

Date 12/10/2024

CERTIFIED TEST REPORT

Trip No: 315458 Bill of Lading: 240822 Packing Slip: 3978514 Ship Date: 10/23/2024
 Bill To: COPPER & BRASS SALES IDPP THYSSENKRUPP MATERIALS NA INC. Ship to: COPPER & BRASS SALES IDPP
 8001 THYSSENKRUPP PARKWAY
 NORTHWOOD, OH 43619

1240280

UNPROCESS OR FINISHED PRODUCT SAMPLES, AS INDICATED BELOW, HAVE BEEN ANALYZED AND TESTED AND FOUND TO CONFORM TO THE CHEMICAL/MECHANICAL/ PHYSICAL REQUIREMENTS OF THE APPLICABLE ASTM MATERIAL SPECIFICATION AND TO THE GENERAL REQUIREMENTS OF ASTM B249 (UNLESS OTHERWISE NOTED) WITH THE FOLLOWING RESULTS:

Copper	Lead	Iron	TOE	Zinc
ASTM B16/B16M-24	2.5-3.0%	0.35%max	0.50%max	Balance
60.2-63.0				

CHEMICAL ANALYSIS STATEMENT OF CONFORMITY

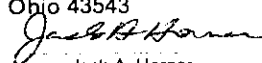
Chase Brass maintains chemical control according to the following statistical measures which are recalculated monthly:

Copper	Lead	Iron	TOE	Zinc
Cpk 4.09	2.38			
Mean 61.53	2.65	0.16		
Max 62.09	2.81	0.20	0.33	Balance
Min 60.80	2.51			

Order	Product	Specification No	Customer PO	Quantity	Item No Custom Item No.
Traceability No					
302994 2 *	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400738761/0020	4881	2000RD12-407 CURD00983
303027 1 *	C36000 ALLOY T.R. QUALITY H02 HALF HARD		5400734652/0010	3057	1312RD12-407 CURD00067

Certified Mercury Free Material
 ISO9001 Certified Quality System
 Certificate Number: US23/00000084 (SGS North America)
 Material is Directive 2000/53/EC Compliant
 Material is Directive 2002/95/EC (RoHS) Compliant
 Material is Directive 2011/65/EU (RoHS2) Compliant
 Material is Directive 2015/863/EU (RoHS3) Compliant
 This test report meets the guidelines of EN 10204 2.1

We hereby certify that the foregoing data is a true copy of the data furnished us by the producing mill or the data resulting from tests performed in the
 Wieland Chase, LLC LABORATORY.

Wieland Chase, LLC
 14212 Selwyn Drive
 Montpelier, Ohio 43543
 By 
 Jack A. Horner
 Quality Manager

Melted and manufactured in the USA
 Wieland Chase produced rod: NAFTA - Yes

WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

The recording of false, fictitious, or fraudulent statement or entries on this document may be a punishable offense under federal and state law

From: ThyssenKrupp Materials NA

Cust.: DROP SHIP-UNITED MUSICAL

DetAt: 124-280

Det.: 276 LB

Det.: 24103/1131

CstOr: p005715

Date: 12/10/2024

CERTIFIED TEST REPORT

Trip No. 3978514 Bill of Lading: 240822 Packing Slip: 3978514 Ship Date: 10/23/2024
 Ship to: COPPER & BRASS SALES IDPP 8001 THYSSENKRUPP PARKWAY NORTHWOOD, OH 43619

COPPER & BRASS SALES
 IDPP THYSSENKRUPP MATERIALS NA INC.
 PO BOX 5116
 SOUTHFIELD, MI 48066-5116

IN-PROCESS OR FINISHED PRODUCT SAMPLES, AS INDICATED BELOW, HAVE BEEN ANALYZED AND TESTED AND FOUND TO CONFORM TO THE CHEMICAL, MECHANICAL, PHYSICAL REQUIREMENTS OF THE APPLICABLE ASTM MATERIAL SPECIFICATION AND TO THE GENERAL REQUIREMENTS OF ASTM B249 (UNLESS OTHERWISE NOTED) WITH THE FOLLOWING RESULTS:

Copper	Silicon	Phosphorus	Lead	Iron	Tin	Nickel	Manganese	TOE	Zinc
ASTM B3719327193-99									
73.0-77.0%	2.7-3.4%	0.04-0.15%	0.09%max	0.10%max	0.20%max	0.10%max	0.10%max	0.50%max	Balance
ASTM B13461346-99									
73.0-77.0%	2.7-3.4%	0.04-0.15%	0.09%max	0.10%max	0.20%max	0.10%max	0.10%max	0.50%max	Balance

CHEMICAL ANALYSIS STATEMENT OF CONFORMITY

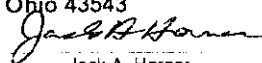
Chase Brass maintains chemical control according to the following statistical measures which are recalculated monthly:

	Copper	Silicon	Phosphorus	Lead	Iron	Tin	Nickel	Manganese	TOE	Zinc
CPA	5.18	4.85	13.00							
Mean	75.41	2.94	0.09	0.08	0.07	0.02	0.01	0.001		
Max	75.72	3.04	0.10	0.09	0.10	0.03	0.02	0.001	0.05	Balance
Min	74.85	2.87	0.08							

Order Traceability No.	Product	Specification No.	Customer PO	Quantity	Item No Custom Item No.
303053 1.1	C89300 ALLOY ECOBRASS H02 HALF HARD		5400738093/0010	1986	1625RD12-910 CURD01625

Certified Mercury Free Material
 ISO9001 Certified Quality System
 Certificate Number: US23/00000084 (SGS North America)
 Material is Directive 2000/53/EC Compliant
 Material is Directive 2002/95/EC (RoHS) Compliant
 Material is Directive 2011/65/EU (RoHS2) Compliant
 Material is Directive 2015/863/EU (RoHS3) Compliant
 This test report meets the guidelines of EN 10204 2.1

We hereby certify that the foregoing data is a true copy of the data furnished us by the producing mill or the data resulting from tests performed in the Wieland Chase, LLC LABORATORY.

Wieland Chase, LLC
 14212 Selwyn Drive
 Montpelier, Ohio 43543
 By 
 Jack A. Horner
 Quality Manager

Melted and manufactured in the USA
 Wieland Chase produced rod: NAFTA - Yes

WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warning.ca.gov.

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From: ThyssenKrupp Materials NA

Cust. DROP SHIP-UNITED MUSICAL

Del.: 2410371131

Cst.Ac 124-280

Cst.Or p005715

Matl.: 9/6 13

Date 12/10/2024

The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	09/19/2024
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	188	NET WEIGHT
		PCS
		FOOTAGE

DMT. P.O.	107				
CUST P.O.	P016631-00	CUST. PART NO.	127-503		
CDA	330	DIM.	.500 X .443 X (.0285)	LENGTH	12'
TEMPER SPECIFICATIONS		HARD			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

Kemper AIP Metals, LLC
PO Box 195
Califon, NJ, 07830
US

Invoice # 428053

MILL CERTIFICATION

Customer: XXXXXXXXXX
Customer PO No. P018943-00
Mill Order No. 41396
Account Order No. 22039
Specification No. ASTM B135

Date: 8/22/2024
Alloy: 230
W.S. No.: 9809e
Cust Part No. 1270523
Certification Units Inches

		Specified Minimum	Specified Maximum	Actual
Dimensions:	Outside Diameter	0.5530	0.5570	0.5550
	Inside Diameter			
	Wall Thickness	0.0110	0.0150	0.0130
	Length	143.7500	144.0000	144.0000
Tensile Test:	Tensile Strength			
Elongation Test				
Rockwell:	Rockwell 15 T	84.0000	85.0000	85
	Rockwell 30 T			
	D.P.H.			
	Vickers			
Grain Size:				
Mercurous Nitrate Test:				
Other Tests:	Yield Strength			
	Pin Expansion			

Chemical Composition:

Cu%	Pb%	Fe%	Sn%	Zn%
85	0	0	0	15

Comments:



Kemper AIP Metals, LLC
PO Box 195
Califon, NJ, 07830
US

Invoice # 429171

MILL CERTIFICATION

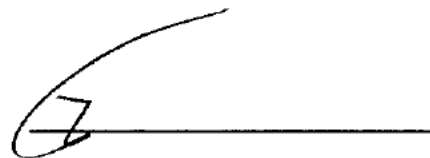
Customer:		Date:	3/7/2025
Customer PO No.	P006142-00	Alloy:	260
Mill Order No.	42113	W.S. No.:	9806G
Account Order No.	4500002946	Cust Part No.	1270532
Specification No.	ASTM B135	Certification Units	

		Specified Minimum	Specified Maximum	Actual
Dimensions:	Outside Diameter	0.5980	0.6020	0.6000
	Inside Diameter			
	Wall Thickness	0.0200	0.0240	0.0220
	Length	143.7500	144.2500	144
Tensile Test:	Tensile Strength			
Elongation Test				
Rockwell:	Rockwell 15 T			
	Rockwell 30 T			
	D.P.H.			
	Vickers			
Grain Size:				
Mercurous Nitrate Test:				
Other Tests:	Yield Strength			
	Pin Expansion			

Chemical Composition:

Cu%	Pb%	Fe%	Sn%	Zn%
69.36	0.004	0.01	Nil	Remainder

Comments:



The Drawn Metal Tube Company

Over 80 Years of Service

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Thomaston, CT 06786
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FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	09/18/2024
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	200	NET WEIGHT
		PCS
		FOOTAGE

DMT. P.O.	250				
CUST P.O.	P002712-00	CUST. PART NO.	127-558		
CDA	230	DIM.	.638"X.013"	LENGTH	8'6"-11'
TEMPER SPECIFICATIONS		HARD			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

The Drawn Metal Tube Company

Over 65 Years of Service

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(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	01/20/2025
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	393	NET WEIGHT
		PCS
		FOOTAGE

DMT. P.O.	153				
CUST P.O.	P009806-00	CUST. PART NO.	127-587		
CDA	260	DIM.	.780" X .020"	LENGTH	12'
TEMPER SPECIFICATIONS		LT. ANNEALED			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

Kemper AIP Metals, LLC
PO Box 195
Califon, NJ, 07830
US

Invoice # 430295

MILL CERTIFICATION

Customer: XXXXXXXXXX
Customer PO No. P001406-00
Mill Order No. 42413
Account Order No. 4500003902
Specification No. ASTM B135

Date: 10/3/2025
Alloy: 260
W.S. No.: 22209
Cust Part No. 1270596
Certification Units Inches

		Specified Minimum	Specified Maximum	Actual
Dimensions:	Outside Diameter	0.7625	0.7675	0.7650
	Inside Diameter			
	Wall Thickness	0.0225	0.0275	0.0250
	Length	143.7500	144.2500	144.0000
Tensile Test:	Tensile Strength			
Elongation Test				
Rockwell:	Rockwell 15 T			
	Rockwell 30 T			
	D.P.H.			
	Vickers			
Grain Size:				
Mercurous Nitrate Test:				
Other Tests:	Yield Strength			
	Pin Expansion			

Chemical Composition:

Cu%	Pb%	Fe%	Sn%	Zn%
69.36	0.004	0.01	NIL	Remainder

Comments:



The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	02/25/2025
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	352	NET WEIGHT
		PCS
		FOOTAGE

DMT. P.O.	2857				
CUST P.O.	P00167-00	CUST. PART NO.	127-597		
CDA	260	DIM.	(.782") X .734" X .024"	LENGTH	10'
TEMPER SPECIFICATIONS		LIGHT ANNEAL			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	11/26/2024
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	460	NET WEIGHT
	44	PCS
	528'	FOOTAGE

DMT. P.O.	34				
CUST P.O.	P013748-00	CUST. PART NO.	127-602		
CDA	330	DIM.	.974 OD x .808 ID x .083 WALL	LENGTH	12'
TEMPER SPECIFICATIONS		H80 - HARD			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST.

The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	12/17/2024
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	182	NET WEIGHT
		PCS
		FOOTAGE

DMT. P.O.	1868				
CUST P.O.	P006512-00	CUST. PART NO.	127-605		
CDA	260	DIM.	.830 X .027	LENGTH	9'8"-10'1"
TEMPER SPECIFICATIONS		SOFT			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	09/18/2024
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	194	NET WEIGHT
		PCS
		FOOTAGE

DMT. P.O.	1012				
CUST P.O.	P00678-00	CUST. PART NO.	127-606		
CDA	260	DIM.	(.886) X .842 X .022	LENGTH	12'
TEMPER SPECIFICATIONS		SOFT			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	08/14/2024
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	364	NET WEIGHT
		PCS
		FOOTAGE

DMT. P.O.	476				
CUST P.O.	P001033-00	CUST. PART NO.	127-616		
CDA	260	DIM.	(.974") X .930" X .022"	LENGTH	12'
TEMPER SPECIFICATIONS		SOFT			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	03/21/2025
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	891	NET WEIGHT
	77	PCS
	924'	FOOTAGE

DMT. P.O.	68				
CUST P.O.	P013009-00	CUST. PART NO.	127-618		
CDA	330	DIM.	(1.112") X .952" ID X .080"	LENGTH	12'
TEMPER SPECIFICATIONS		H80 / HARD			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

Kemper AIP Metals, LLC
PO Box 195
Califon, NJ, 07830
US

Invoice # 429538

MILL CERTIFICATION

Customer: XXXXXXXXXX
Customer PO No. P007288-00
Mill Order No. 42204
Account Order No. 4500003328
Specification No. ASTM B135

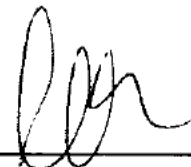
Date: 5/21/2025
Alloy: 260
W.S. No.:
Cust Part No. 1270649
Certification Units Inches

		Specified Minimum	Specified Maximum	Actual
Dimensions:	Outside Diameter	1.1870	1.1910	1.1890
	Inside Diameter			
	Wall Thickness	0.0300	0.0340	0.0320
	Length	143.7500	144.2500	144.0000
Tensile Test:	Tensile Strength			
Elongation Test				
Rockwell:	Rockwell 15 T	54.0000	60.0000	57
	Rockwell 30 T			
	D.P.H.			
	Vickers			
Grain Size:				
Mercurous Nitrate Test:				
Other Tests:	Yield Strength			
	Pin Expansion			

Chemical Composition:

Cu%	Pb%	Fe%	Sn%	Zn%
69.36	0.004	0.01	NIL	Remainder

Comments:



The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	03/21/2025
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	690	NET WEIGHT
		PCS
		FOOTAGE

DMT. P.O.	48				
CUST P.O.	P009230-00	CUST. PART NO.	127-673		
CDA	330	DIM.	1.350" X .077"	LENGTH	12'
TEMPER SPECIFICATIONS		HARD			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	11/06/2024
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	727	NET WEIGHT
		PCS
		FOOTAGE

DMT. P.O.	1186				
CUST P.O.	P003175-00	CUST. PART NO.	127-687		
CDA	330	DIM.	1.500 X 1.190	LENGTH	12'
TEMPER SPECIFICATIONS		HARD			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

Kemper AIP Metals, LLC
PO Box 195
Califon, NJ, 07830
US

Invoice # 426774

MILL CERTIFICATION

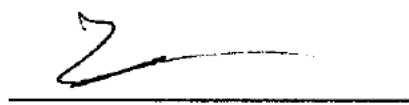
Customer:		Date:	2/14/2024
Customer PO No.	P018252-00	Alloy:	260
Mill Order No.	41351	W.S. No.:	outside purchase
Account Order No.	21904	Cust Part No.	1270721
Specification No.	ASTM B135	Certification Units	Inches

		Specified Minimum	Specified Maximum	Actual
Dimensions:	Outside Diameter	2.2000	2.2080	2.2047
	Inside Diameter	2.1020	2.1100	2.1060
	Wall Thickness			
	Length	132.0000	132.2500	132.125
Tensile Test:	Tensile Strength			
Elongation Test				
Rockwell:	Rockwell 15 T			
	Rockwell .30 T			
	D.P.H.			
	Vickers			
Grain Size:				
Mercurous Nitrate Test:				
Other Tests:	Yield Strength			
	Pin Expansion			

Chemical Composition:

Cu%	Pb%	Fe%	Sn%	Zn%
70.05	<0.01	<0.01	Nil	Remainder

Comments: Annealed



The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	01/09/2024
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	110	NET WEIGHT
	27	PCS
		FOOT ²

DMT. P.O.	1230				
CUST P.O.	P004640-00	CUST. PART NO.	127-746		
CDA	330	DIM.	3.50 OD X .065 WALL	LENGTH	20"
TEMPER SPECIFICATIONS		1/2 HARD			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

1340258

CERTIFICATE OF TEST

Sold to: 22355 W 11 Mile Road Southfield, MI 48033	Ship to: Great Lakes Specialty Metals 1720 E. Tyler Rd. St. Charles, IL 60174
---	--

PO Number : 5400763180-R04

Item Number : 0040

Description	Diameter (mm/inch)	Temper	Standard	Lot Number	Quantity (LBS/kg)
CS4400 (CURD00244)	1.0000 25.400	H04	ASTM B139	41595498	1028.44 466.5

Chemical Composition (%)

Element	Fe	Sn	P	Pb	Zn	Cu
	max	min	max	min	max	min
Standard	0.1	3.5	4.5	0.01	0.5	3.0
Actual	0.003	3.821	0.0360	3.6155	3.844	zcm

Physical Properties

Test Item	Unit	Standard 25.4 (±0.076)	TEST 1	TEST 2	TEST 3
		min	max		
Tolerance	[mm]	25.324	25.476	25.360	25.359
Tensile Strength	[Mpa]	380	393	392	394
Elongation	[%]	12	16	16	17
Appearance	[OK]				

* Melted & Manufactured in Vietnam

* This material was not exposed to any radioactive source

* Mercury Free

Tested by: Do Thi Ngan

Approved by: Ngo Thanh Ha

Date: 29.09.2025

Job Title : OQC Inspector

Job Title : Quality Manager

Stamp:



Bedra Vietnam Alloy Material Co., Ltd.

Address: Lot CN-06, Hoa Phu Industrial Park, Xuan Cam Commune, Bac Giang Province, Vietnam

Tel.: +84 204 3900-104 | Fax.: +84 204 3900-110

From: ThyssenKrupp Materials NA

Cust. DROP SHIP-UNITED MUSICAL

Del.: 2410954350

CstAr 134-258

CstOr p000388

Wgt.: 404 LB

Date 12/29/2025

Kemper AIP Metals, LLC
PO Box 195
Califon, NJ, 07830
US

Invoice # 430588

MILL CERTIFICATION

Customer: XXXXXXXXXX
Customer PO No. P001406-00
Mill Order No. 42414
Account Order No.
Specification No. ASTM B135

Date: 11/21/2025
Alloy: 752
W.S. No.: 22252
Cust Part No. 1570499
Certification Units

		Specified Minimum	Specified Maximum	Actual
Dimensions:	Outside Diameter	0.4880	0.4920	0.4900
	Inside Diameter			
	Wall Thickness	0.0200	0.0240	0.0220
	Length	143.7500	144.2500	144.0000
Tensile Test:	Tensile Strength			
Elongation Test				
Rockwell:	Rockwell 15 T	63.0000	67.0000	65
	Rockwell 30 T			
	D.P.H.			
	Vickers			
Grain Size:				
Mercurous Nitrate Test:				
Other Tests:	Yield Strength			
	Pin Expansion			

Chemical Composition:

Cu%	Pb%	Fe%	Sn%	Zn%
65.038	0.003	0.04430	NIL	Remainder

Comments:



Kemper AIP Metals, LLC
PO Box 195
Califon, NJ, 07830
US

Invoice # 431378

MILL CERTIFICATION

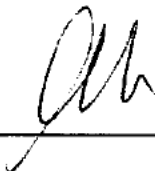
Customer:		Date:	4/17/2026
Customer PO No.	P003443-00	Alloy:	740
Mill Order No.	42864	W.S. No.:	22443
Account Order No.	4500004557	Cust Part No.	1570587
Specification No.	ASTM B135	Certification Units	Inches

		Specified Minimum	Specified Maximum	Actual
Dimensions:	Outside Diameter			
	Inside Diameter	0.7380	0.7420	0.7400
	Wall Thickness	0.0190	0.0210	0.0200
	Length	144.0000	144.2500	144.0000
Tensile Test:	Tensile Strength			
Elongation Test				
Rockwell:	Rockwell 15 T			
	Rockwell 30 T			
	D.P.H.			
	Vickers			
Grain Size:				
Mercurous Nitrate Test:				
Other Tests:	Yield Strength			
	Pin Expansion			

Chemical Composition:

Cu%	Pb%	Fe%	Sn%	Zn%
71.25	0.003	0.04430	NIL	Remainder

Comments: Dead Soft



The Drawn Metal Tube Company

Over 65 Years of Service

P.O. Box 370
Thomaston, CT 06786
(860) 283-4345
FAX (860) 283-8233

CERTIFICATE OF CONFORMANCE

UMI EASTLAKE	DATE	9/3/2024
PO BOX 310	QUANTITY SHIPPED	
ELKHART, INDIANA 46515	174	NET WEIGHT
		PCS
		FOOTAGE

DMT. S.O.	882				
CUST P.O.	P004721-00	CUST. PART NO.	157-598		
CDA	752	DIM.	(.875) X .780 X .0475	LENGTH	13'-14'
TEMPER SPECIFICATIONS		HARD			

" WE HEREBY CERTIFY THAT THE MATERIAL SHIPPED HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATION (S) SHOWN ABOVE AND THAT THE MATERIAL MEETS THE REQUIREMENTS OF THE SPECIFICATION (S). CHEMICAL ANALYSIS OF THE MATERIALS USED FOR THE PRODUCTION OF THIS ORDER ARE RECORDED AND ON FILE AND AVAILABLE UPON REQUEST. "

SUBMITTED:

THE DRAWN METAL TUBE COMPANY

Arconic US LLC
45 County Route 42, Massena, NY 13662

01/29/28
12:26:45

Customer

Copper Brass Sales

Customer P.O. No.
5400796249

Customer Part No.

Arconic Order No.

Govt. Contract No.

Ship To **Copper Brass Sales**
8001 Thyssenkrup Parkway
Northwood, OH 43619

We hereby certify that the material covered in this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, or as previously agreed to with customer and that samples representative of the material met the composition limits and have the mechanical properties shown on the face of this sheet.

Manufactured under a quality management system registered to ISO/AS9100.
Melted and manufactured in the USA.

Michael J. ...

Murthy Musty, Quality Engineering Manager

Date Shipped	01/29/26	Weight Shipped	999 lbs
--------------	----------	----------------	---------

Product	CFRB-CF ROD	Specific Length
1	10' x 6" x 1/8"	10'
2	10' x 6" x 1/8"	10'
3	10' x 6" x 1/8"	10'
4	10' x 6" x 1/8"	10'
5	10' x 6" x 1/8"	10'
6	10' x 6" x 1/8"	10'
7	10' x 6" x 1/8"	10'
8	10' x 6" x 1/8"	10'
9	10' x 6" x 1/8"	10'
10	10' x 6" x 1/8"	10'
11	10' x 6" x 1/8"	10'
12	10' x 6" x 1/8"	10'
13	10' x 6" x 1/8"	10'
14	10' x 6" x 1/8"	10'
15	10' x 6" x 1/8"	10'
16	10' x 6" x 1/8"	10'
17	10' x 6" x 1/8"	10'
18	10' x 6" x 1/8"	10'
19	10' x 6" x 1/8"	10'
20	10' x 6" x 1/8"	10'
21	10' x 6" x 1/8"	10'
22	10' x 6" x 1/8"	10'
23	10' x 6" x 1/8"	10'
24	10' x 6" x 1/8"	10'
25	10' x 6" x 1/8"	10'
26	10' x 6" x 1/8"	10'
27	10' x 6" x 1/8"	10'
28	10' x 6" x 1/8"	10'
29	10' x 6" x 1/8"	10'
30	10' x 6" x 1/8"	10'
31	10' x 6" x 1/8"	10'
32	10' x 6" x 1/8"	10'
33	10' x 6" x 1/8"	10'
34	10' x 6" x 1/8"	10'
35	10' x 6" x 1/8"	10'
36	10' x 6" x 1/8"	10'
37	10' x 6" x 1/8"	10'
38	10' x 6" x 1/8"	10'
39	10' x 6" x 1/8"	10'
40	10' x 6" x 1/8"	10'
41	10' x 6" x 1/8"	10'
42	10' x 6" x 1/8"	10'
43	10' x 6" x 1/8"	10'
44	10' x 6" x 1/8"	10'
45	10' x 6" x 1/8"	10'
46	10' x 6" x 1/8"	10'
47	10' x 6" x 1/8"	10'
48	10' x 6" x 1/8"	10'
49	10' x 6" x 1/8"	10'
50	10' x 6" x 1/8"	10'
51	10' x 6" x 1/8"	10'
52	10' x 6" x 1/8"	10'
53	10' x 6" x 1/8"	10'
54	10' x 6" x 1/8"	10'
55	10' x 6" x 1/8"	10'
56	10' x 6" x 1/8"	10'
57	10' x 6" x 1/8"	10'
58	10' x 6" x 1/8"	10'
59	10' x 6" x 1/8"	10'
60	10' x 6" x 1/8"	10'
61	10' x 6" x 1/8"	10'
62	10' x 6" x 1/8"	10'
63	10' x 6" x 1/8"	10'
64	10' x 6" x 1/8"	10'
65	10' x 6" x 1/8"	10'
66	10' x 6" x 1/8"	10'
67	10' x 6" x 1/8"	10'
68	10' x 6" x 1/8"	10'
69	10' x 6" x 1/8"	10'
70	10' x 6" x 1/8"	10'
71	10' x 6" x 1/8"	10'
72	10' x 6" x 1/8"	10'
73	10' x 6" x 1/8"	10'
74	10' x 6" x 1/8"	10'
75	10' x 6" x 1/8"	10'
76	10' x 6" x 1/8"	10'
77	10' x 6" x 1/8"	10'
78	10' x 6" x 1/8"	10'
79	10' x 6" x 1/8"	10'
80	10' x 6" x 1/8"	10'
81	10' x 6" x 1/8"	10'
82	10' x 6" x 1/8"	10'
83	10' x 6" x 1/8"	10'
84	10' x 6" x 1/8"	10'
85	10' x 6" x 1/8"	10'
86	10' x 6" x 1/8"	10'
87	10' x 6" x 1/8"	10'
88	10' x 6" x 1/8"	10'
89	10' x 6" x 1/8"	10'
90	10' x 6" x 1/8"	10'
91	10' x 6" x 1/8"	10'
92	10' x 6" x 1/8"	10'
93	10' x 6" x 1/8"	10'
94	10' x 6" x 1/8"	10'
95	10' x 6" x 1/8"	10'
96	10' x 6" x 1/8"	10'
97	10' x 6" x 1/8"	10'
98	10' x 6" x 1/8"	10'
99	10' x 6" x 1/8"	10'
100	10' x 6" x 1/8"	10'

BOL 000172796

Alloy - Temper *UltraAlloy 6020-T8* Size **1.31250 IN**

Shape	D/A	Config	12 FT
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
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QPR

Specifications:

ASTM B211-23

TEST REQUIREMENTS					
	Test <i>U.T.S.</i>	Test <i>I.V.S.</i>	Test <i>%Elong</i>	Test	Test
Max:	420	390	120		
Min:					

Test Results		No. of Tests	Test	Test	Test	Test	Test	Test	Test
Lot / Work Order		2	U.T.S.	T.Y.S.	%Elong				
MA025004534		Max:	46.5	43.9	15.0				
		Min:	46.2	43.6	15.0				

When 2 or more tests per lot are made, the highest and lowest values are reported. Analysis obtained from one or more samples in this lot.

TEST ABBREVIATIONS

U.T.S. Ultimate Tensile Strength KSI

U.T.S.	Ultimate Tensile Strength KSI	Aluminum Association Chemical Composition Limits (in Weight %)
10	10	10
15	15	15
20	20	20
25	25	25
30	30	30
35	35	35
40	40	40
45	45	45
50	50	50
55	55	55
60	60	60
65	65	65
70	70	70
75	75	75
80	80	80
85	85	85
90	90	90
95	95	95
100	100	100
105	105	105
110	110	110
115	115	115
120	120	120
125	125	125
130	130	130
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585	585	585
590	590	590
595	595	595
600	600	600
605	605	605
610		

	%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%SN	%BE	%Others	%AL
ALLOY	MAX	.50	.90	.35	1.2	0.15	.20	.15	1.5	.0001	.05	Rem
5020	MIN	.40	.30		0.6				0.9		Each	Total

Actual Started Chemistry

LOT/WORK ORDER	%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%SN	%BE	%OE	%OT	%AL
MAX	0.56	0.36	0.70	0.03	0.7	0.07	0.02	0.02	1.1	0.0000	LT .05	LT .15	Rem
MIN	0.54	0.35	0.69	0.03	0.7	0.06	0.02	0.02	1.0	0.0000			

1740213

**MARCEGAGLIA****Certificate of Test**

PRODEC QUALITY

Page: 1

HEAT E241381 ORDER 714642/ 01 BOL 0264644 * CERTIFICATION * 02/11/25

SHIP TO:
COPPER AND BRASS SALES
8001 THYSSENKRUPP PARKWAY

NORTHWOOD 436190000

----- YOUR ORDER & DATE -----
5400749210 12/19/24 CUST# 0316001 CUST TAG#SSRD00546----- ITEM DESCRIPTION -----
GRADE 303 PRODEC QUALITY Ship Condition CONDA
Size 303 RND CFA CONDA .7500 x 144.000 RL
Country of Melt: UNITED KINGDOM Country of Mfg.: UNITED STATES
No weld repair
Free of mercury contamination, Free of radiation contamination
No WEEE relevant substances; Meets RoHS-2011/65/EU and 2015/863

Total Bundles 5 Total Weight 10960 Approx. Hot Red. Ratio 71:1

WO 2133951 Bundles: 1C, 1D, 1E, 1G, 1I

----- SPECIFICATIONS -----
MFG TO FINISHED BAR IN THE USA FROM BILLETS IMPORTED UNITED KINGDOM
AMS5640W Type 1 ASTM A484/A484M 24b
ASTM A582/A582M-22 DIN 50049/EN 10204 Type 3.1
AISI-303, UNS S30300, SAE30303 Federal Spec QQ-S-764B
Copper & Brass 303 MAXX Eddy Current tested
ASTM F899-23 ASTM A320-24 B8F Class 1
UNS S30300, AISI 303
Sol Anneal at 1900F min/ Water Quench----- MECHANICAL & OTHER TESTS -----
Mechanical and Met tested at Acuren 572 Colonel's Pointe Parkway, Richburg
SC, 29729

Hardness as shipped	178 HB		
Hardness as shipped	(87 HRB)		
Grain size	8.0	Tensile strength, KSI (MPa)	96.9 (668)
Micro	OK	0.2% Yield Strngth, KSI (MPa)	42.3 (292)
Intergranular corrosion	OK		
		Elongation % in 4D	51.0
		Reduction of area %	54.1

----- CHEMICAL COMPOSITION -----

Carbon (C)	.041	Manganese (Mn)	1.570
Phosphorus (P)	.031	Sulphur (S)	.320
Silicon (Si)	.410	Chromium (Cr)	17.170
Nickel (Ni)	8.060	Cobalt (Co)	.240
Copper (Cu)	.370	Moly (Mo)	.300
Nitrogen (N)	.071		
Iron (Fe)	Balance		
Melt Practice	BAF		
Refining Practice	AOD		
De-long Ferrite			

Knowingly & willfully falsifying or concealing a material act on this form, or making false, fictitious or fraudulent statements or representations herein could constitute a felony punishable under federal statutes. We hereby certify that the test results shown in this report are correct and accurate as contained in the records of the company and are in compliance with the specifications, codes, and standards listed above.

Digitally Signed by M.F. Marcanio, Quality Manager

Marcegaglia Stainless Richburg, LLC
3043 Crenshaw Pkwy
Richburg, SC 29729

M.F. Marcanio

From: ThyssenKrupp Materials NA

Cust. DROP SHIP-UNITED MUSICAL

Del.: 2410583212

CstAr 174-213

CstOr p001405

Wgt.: 219 LB

Date 04/28/2025

1840431
**wieland
concast**

PO BOX 816 - MARS, PA 16046

January 27, 2025

Copper & Brass Sales
P.O. Box 5116

Southfield, MI 48086-5116
Attn: QUALITY CONTROL DEPARTMENT

CERTIFICATE OF ANALYSIS

THE FOLLOWING MATERIAL IS CERTIFIED TO:

COUNTRY OF MELT U.S.A.
COUNTRY OF MANUFACTURE U.S.A.
REACH CURRENT REV. 12-16-2013
NO WELD REPAIR PERFORMED ON MATERIAL
DFARS CURRENT (DFARS 225.872) 12/31/2012
CATSCA 2010 COMPLIANT
CERTIFICATION OF CONFORMANCE
M07 AS CONTINUOUS CAST TEMPER
Copper & Brass Sales
Accounts Payable, P.O. Box 5116
Southfield, MI 48086-5116
ASTM B505/B505M-23
SAE 660

GENERAL PRODUCT INFORMATION			CHEMICAL ANALYSIS																																																										
			DEFINED BY SPECIFICATION		MEASURED IN																																																								
			Minimum	Maximum	LABORATORY																																																								
Heat#: 2510196 Manufacture Date: 01/22/25 Alloy: 932 Shape: TUBE Size#: 2 3/4 X 3 1/2 Internal Standards: ASTM B505			** <table><tr><td>Cu</td><td>81.0000</td><td>-</td><td>85.0000</td><td>81.5473</td></tr><tr><td>Sn</td><td>6.3000</td><td>-</td><td>7.5000</td><td>6.8290</td></tr><tr><td>Pb</td><td>6.0000</td><td>-</td><td>8.0000</td><td>7.1250</td></tr><tr><td>Zn</td><td>2.0000</td><td>-</td><td>4.0000</td><td>3.2880</td></tr><tr><td>Fe</td><td>0.0000</td><td>-</td><td>0.2000</td><td>0.0810</td></tr><tr><td>Ni</td><td>0.0000</td><td>-</td><td>1.0000</td><td>0.7660</td></tr><tr><td>SB</td><td>0.0000</td><td>-</td><td>0.3500</td><td>0.2860</td></tr><tr><td>P</td><td>0.0000</td><td>-</td><td>1.5000</td><td>0.0420</td></tr><tr><td>S</td><td>0.0000</td><td>-</td><td>0.0800</td><td>0.0330</td></tr><tr><td>Al</td><td>0.0000</td><td>-</td><td>0.0050</td><td>0.0010</td></tr><tr><td>Si</td><td>0.0000</td><td>-</td><td>0.0050</td><td>0.0017</td></tr></table> ** In determining copper minimum, copper may be calculated as copper plus nickel				Cu	81.0000	-	85.0000	81.5473	Sn	6.3000	-	7.5000	6.8290	Pb	6.0000	-	8.0000	7.1250	Zn	2.0000	-	4.0000	3.2880	Fe	0.0000	-	0.2000	0.0810	Ni	0.0000	-	1.0000	0.7660	SB	0.0000	-	0.3500	0.2860	P	0.0000	-	1.5000	0.0420	S	0.0000	-	0.0800	0.0330	Al	0.0000	-	0.0050	0.0010	Si	0.0000	-	0.0050	0.0017
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Customer PO#: 5400751544 Customer Job#: 00010 Customer Part#: CUTUB00353 Control#: Date Shipped: 01/27/25 Quantity Shipped: 3 Weight Shipped: 434.00 Packslip#: 383558 Invoice#: 0 Country of Origin: UNITED STATES																																																													
Physical Analysis *			Yield .5% UNDER LOAD		Tensile																																																								
			(PSI) N/mm²		(PSI) N/mm²																																																								
Defined By Specification			20000 137.9		35000 241.3																																																								

This is to certify that all material listed is free from mercury contamination and no mercury bearing equipment was used in any of our manufacturing, fabricating, assembly or testing operations. No materials containing Class I or Class II ODC's; CFC's; Halons or HCFC's are used in our manufacturing process. None of the EPA's listed ODC's are used in our testing, assembly or fabricating procedures. Additionally we do not purchase, from our suppliers, any of the EPA's listed ODC's. * Minimum tensile and yield strength shall be reduced 10% for cast bars having a thickness, diameter, cross section or wall of 4" or more. All Nickel measurements are inclusive of Cobalt concentrations.



CERTIFICATE NO'S
25513/A/0001/AN/En
32119/A/0001/UK/En

CONCAST METAL PRODUCTS

Jared D. Goran
Lab Manager

CONCAST METAL PRODUCTS, PO BOX 816, MARS Pennsylvania 16046 (800-626-7071)