GM SALES CO.
STAINLESS & ALLOY

G-M SALES
6901 E. 11TH ST.
TULSA OK 74112

PICKING SLIP

Bill To:
TESCORP, INC.
P.O. BOX 471453
TULSA OK 74147

Ship To: 918-665-0031
TESCORP, INC.
8525 E. 46TH STREET
UPS ACCT # 8X4-804
TULSA OK 74145

Cust#: 444
Order Dt: 05/08/26
P/S#: 336439-00
Pick Dt: 05/12/26
Operator: MTB
Request Dt:
Page No: 1

Customer P.O. #	Terms	COMMENT
F-0126-0001-PS	1% 10, net 30	1401 RECEIVER DISCHARGE PIPE SPOOLS

Item / Description	U/M	Qty On B/O	Qty To Ship	Qty Shipped	Substitute #	Line
13NTH15011 3" 150# RF THRD FLANGE SA105 DOMESTIC FCT	EA		1	1		10
13NWN150STD13 4" 150# RFWN STD BORE SA105 DOMESTIC V3B-CX5 V3B-EP3	EA		6	6		20
14N45STD13 4" STD WELD 45 SA234-WPB DOMESTIC 732657	EA		2	2		30
14NTESTD13 4" STD WELD TEE (STRAIGHT) SA234-WPB DOMESTIC 22N226	EA		1	1		40
14NECSTD13X11 4" X 3" STD ECCENTRIC REDUCER A-234 WPB * DOMESTIC 13586	EA		1	1		50
13NWN150XSB11 3" 150# RFWN XS BORE SA105 DOMESTIC CX3	EA		1	1		60
10NS413SD 4" S/40 (0.237") SA106B PIPE (CS SMLS) DOMESTIC Proofing *CUT 1 PC - 29-15/16" LG, BBE*	FT		2.496	2.496		70
10NS413SD 4" S/40 (0.237") SA106B PIPE ME0018	FT		1.307	1.307		80

(CONTINUED ON NEXT PAGE)

COMPLETE

HC 5.12

GM SALES CO.
STAINLESS & ALLOY

G-M SALES
6901 E. 11TH ST.
TULSA OK 74112

PICKING SLIP

Bill To:
TESCORP, INC.
P.O. BOX 471453
TULSA OK 74147

Ship To: 918-665-0031
TESCORP, INC.
8525 E. 46TH STREET
UPS ACCT # 8X4-804
TULSA OK 74145

Cust#: 444
Order Dt: 05/08/26
P/S#: 336439-00
Pick Dt: 05/12/26
Operator: MTB
Request Dt:
Page No: 2

Customer P.O. #	Terms	COMMENT
F-0126-0001-PS	1% 10, net 30	1401 RECEIVER DISCHARGE PIPE SPOOLS

Item / Description	U/M	Qty On B/O	Qty To Ship	Qty Shipped	Substitute #	Line
(CS SMLS) DOMESTIC *CUT 1 PC - 15-11/16" LG, BBE*						
*MISC DAVIS 4" 1561, 4" 150# WAFER CHECK VALVE, CS X SS, METAL SEAT	EA		2	2		90
VLB-4" 50114 4" CS/SS 150# RFFE FP BALL VALVE (SHARPE #50114) RTFE SEATS / TFE PACKING	EA		2	2		100
MTR MATERIAL TEST REPORTS	EA		1	1		110
... 145067 ...						

PICKED BY: ST NO CARTONS: SKID + 2PC OUTSIDE FABRIC POUNDS: _____ ORDER TOTAL: _____.
ALL SHORTAGES OR DISCREPANCIES MUST BE REPORTED WITHIN 10 DAYS.
SHIP DATE: _____ SHIP VIA: OUR TRUCK FREIGHT: _____ B/L NO: _____

vallourec

2669 Martin Luther King Jr Blvd
Youngstown,OH 44510

VALLOUREC STAR LP

Seamless Tubular Products

Certified Test Report
01/05/2023
Revision: 0

Order: Y-221123547-001 **Desc:** Seamless Line Pipe- Normalized Rolled
Customer: Texas Pipe & Supply **SLN / (Heat):** ME0018
Grade: API 5L X42/B N/BN PSL2 46th Edition May 01, 2019
Customer Order: 329669 **Split:** 03
OD(in): 4.500 **Wall(in):** 0.237 **Lbs/Ft:** 10.80 **Length:** Single Random
End Finish: Plain End Beveled
Comments: Melted and Manufactured in Youngstown, Ohio USA
Pipe is also manufactured to: ASTM A106B/C-19a, ASTM A53B-22, ASME SA106B/C-2021, ASME SA53B-2021. Vallourec Star's QA program meets the requirements of DIN EN10204-2004 Type 3.1. Satisfies NACE MR0175/ISO15156:2015 and ANSI/NACE MR0103/ISO17945:2015.
No repair welding has been conducted. Material is free from Mercury.

Mechanical Properties

			Tensile Size Specimen Cross Section			Strength (ksi)			Elongation		
Orientation	Type	Position	Width (in)	Thick (in)	Area (sqin)	Yield	Tensile	Y/T Ratio	Gage Length	% Elong	% RA
Longitudinal	Strip	Lead	1.000	0.240	0.2500	49.9	75.7	0.66	2	37.2	55.5

Required Min/Max Yield Strength (ksi): 42.1/71.8 **Required Min/Max Tensile Strength (ksi):** 70/95 **Calculated Max Internal Yield (psi):** 4599

Required Min Elongation(%): 30

Supplemental Requirements

Flattening Test	Passed
Hardness 3 Point	80 avg HRBW
Hydrostatic Pressure	3330 psi
Hydrostatic Hold Time	5 seconds

Chemical Analysis **Chem Spec:** 61M

WT%	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Nb	V	Al	Ca	B	Ti	N	C.E.
Heat	0.21	0.67	0.009	0.006	0.21	0.20	0.12	0.12	0.05	0.009	0.000	0.001	0.025	0.0023	0.0001	0.003	0.0098	0.37
Product 1	0.22	0.71	0.007	0.005	0.21	0.20	0.13	0.11	0.05	0.008	0.000	0.002	0.027	0.0021	0.0001	0.003	0.0101	0.39
Product 2	0.22	0.71	0.007	0.006	0.21	0.20	0.13	0.11	0.05	0.009	0.000	0.002	0.028	0.0022	0.0001	0.003	0.0113	0.39

Charpy Impact Testing - Not required per API.

This material has been produced and tested in accordance with the requirements of applicable specifications unless otherwise listed below. We hereby certify that the above test results are representative of those contained in the records of the company. Any modification to this certification as provided by Vallourec Star without the expressed written consent of Vallourec Star negates the validity of this test report. Vallourec Star is not responsible for the inability of this material to meet specific applications.

THIS CERTIFICATE IS NOTARIZED ONLY WHEN REQUESTED.

Signed: Jeff Schultz

Name: Jeff Schultz, Lab Supervisor

Date Approved: 01/05/2023

This document is uncontrolled when printed. Always refer to the MTR System for the most current version. FS-VMS-8.2.4.1.1 Rev 7

vallourec

2669 Martin Luther King Jr Blvd
Youngstown,OH 44510

VALLOUREC STAR LP

Seamless Tubular Products

Certified Test Report
03/28/2025
Revision: 0

Order: Y-221128700-001 **Desc:** Seamless Line Pipe- Normalized Rolled **Customer:** Texas Pipe & Supply **SLN / (Heat):** PB0519

Grade: API 5L X42/B N/ BN PSL2 46th Edition May 01, 2019 **Customer Order:** 410028-00 **Split:** 00

OD(in): 4.500 **Wall(in):** 0.237 **Lbs/Ft:** 10.80 **Length:** Single Random

End Finish: Plain End Beveled

Comments: Melted and Manufactured in Youngstown, Ohio USA

Pipe is also manufactured to: ASTM A106B/C-19a, ASTM A53B-24, ASME SA106B/C-2023, ASME SA53B-2023. Vallourec Star's QA program meets the requirements of Directive 2014/68/EU and DIN EN10204-2004 Type 3.1. Satisfies NACE MR0175/ISO15156:2015 and ANSI/NACE MR0103/ISO17945:2015. Material has been produced using silicon killed carbon steel with aluminum fine grain practice. No repair welding has been conducted. Material is free from Mercury.

Mechanical Properties

		Tensile Size Specimen Cross Section			Strength (ksi)			Elongation		
Orientation	**Type**	**Width (in)**	**Thick (in)**	**Area (sqin)**	**Yield**	**Tensile**	**Y/T Ratio**	**Gage Length**	**% Elong**	**% RA**
Longitudinal	Strip	1.000	0.270	0.2700	49.7	72.6	0.68	2	37.4	65.0

Required Min/Max Yield Strength (ksi): 42.1/71.8 **Required Min/Max Tensile Strength (ksi):** 70/95 **Calculated Max Internal Yield (psi):** 4580

Required Min Elongation(%): 30

Supplemental Requirements

Flattening Test	PASS
Hardness 3 Point	80.7 avg HRBW
Hydrostatic Pressure	3330 psi
Hydrostatic Hold Time	5 seconds

Chemical Analysis **Chem Spec:** 61M

WT%	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Nb	V	Al	Ca	B	Ti	N	C.E.
Heat	0.21	0.77	0.006	0.006	0.21	0.18	0.07	0.08	0.02	0.011	0.001	0.003	0.026	0.0018	0.0004	0.002	0.0074	0.37
Product 1	0.20	0.77	0.006	0.006	0.22	0.17	0.07	0.07	0.02	0.008	0.000	0.003	0.028	0.0017	0.0001	0.002	0.0079	0.37
Product 2	0.21	0.76	0.007	0.006	0.23	0.18	0.07	0.08	0.02	0.009	0.000	0.002	0.034	0.0019	0.0001	0.002	0.0084	0.37

Charpy Impact Testing - Not required per API.

This material has been produced and tested in accordance with the requirements of applicable specifications unless otherwise listed below. We hereby certify that the above test results are representative of those contained in the records of the company. Any modification to this certification as provided by Vallourec Star without the expressed written consent of Vallourec Star negates the validity of this test report. Vallourec Star is not responsible for the inability of this material to meet specific applications.

THIS CERTIFICATE IS NOTARIZED ONLY WHEN REQUESTED.

Signed: Jeff Schultz

Name: Jeff Schultz, Lab Supervisor

Date Approved: 03/28/2025

vallourec

2669 Martin Luther King Jr Blvd
Youngstown,OH 44510

VALLOUREC STAR LP
Seamless Tubular Products

Certified Test Report
03/28/2025
Revision: 0

Order: Y-221128700-001 **Desc:** Seamless Line Pipe- Normalized Rolled **Customer:** Texas Pipe & Supply **SLN / (Heat):** PB0519
Grade: API 5L X42/B N/ BN PSL2 46th Edition May 01, 2019 **Customer Order:** 410028-00 **Split:** 00
OD(in): 4.500 **Wall(in):** 0.237 **Lbs/Ft:** 10.80 **Length:** Single Random
End Finish: Plain End Beveled
Inspection Company: L Bay

Non-Destructive Evaluation Criteria

EMI CHANNELS
OD
- 10% Longitudinal
- 10% Transverse

UT CHANNELS
ID
- 5% Longitudinal
- 5% Transverse

OD
- 10% Longitudinal
- 10% Transverse

FULL LENGTH WALL THICKNESS CHECK
- 87.5% Wall Reduction
- Required Volumetric Coverage: 100%

ADDITIONAL REQUIREMENTS
OD
- Visual Insp. Full Length White Light

ID
- Visual Insp. Pipe Ends White Light
- Notch Length < / = 1.00"
- Notch Width .020" Max
- Untested Ends Cropped

WELDBEND
6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

Product	Heat Code	Heat Treatment	Steel Mill
4" Std Straight Tee	22N226	Heat Treat: Normalized	V & M STAR

A 234-18 WPB
Dimensional Specification: B16.9

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	CE (IIW)	Tens.	Yield	Elon	ROA	BHN	BHN2
L	0.20	1.04	0.009	0.005	0.26	0.13	0.06	0.12	0.010	0.06	0.036	0.003	0.0002	0.000	0.424	80,500	50,000†	27.20	-	173	168

WPB

	Heat Code	Heat Treatment	Steel Mill
3" Class 150 Welding Neck XSB RF	CX3	Hot Formed	CMC STEEL

A 105-18
Dimensional Specification: B16.5

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	CE (IIW)	Tens.	Yield	Elon	ROA	BHN	BHN2
L	0.19	1.01	0.010	0.016	0.21	0.27	0.10	0.04	0.022	0.00	0.002	0.001	0.0003	0.001	0.395	79,500	45,800	30.00	60.00	150	150

A 105

	Heat Code	Heat Treatment	Steel Mill
3" Class 150 Threaded RF	FC7	Hot Formed	CMC STEEL

A 105-18
Dimensional Specification: B16.5

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	CE (IIW)	Tens.	Yield	Elon	ROA	BHN	BHN2
L	0.19	1.03	0.012	0.008	0.21	0.26	0.08	0.05	0.026	0.00	0.001	0.001	0.0002	0.001	0.400	79,300	45,500	31.40	62.00	151	154

A 105

We hereby certify that the material meets the following
- All fittings and flanges meet NACE MRO-175/ISO 15156-Latest Revision.
- All fittings and flanges meet NACE MRO-103 - Latest Revision.
- All non high-yield fittings meet the requirements of ASTM A-234 WPB / ASME SA-234
- All non high-yield flanges meet the requirements of ASTM A-105 WPB / ASME SA-105
- All elbows, tees and reducers are seamless, except as noted.
- Plate for caps and welded fittings.
- Bars, Billets or Blooms for flanges and certain caps and tees.
- MTR only valid with QR code linking to traceability.weldbend.com

† This indicates that the reported yield is capped at 50,000 psi.

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Cert #125917

Richard Purpura

Richard Purpura
Quality Assurance Department
5/12/2026

Scan For Online Report

We hereby certify that the material meets the following:
- ISO 9001:2015 CERTIFIED MANUFACTURER
- Test Results herein are correct as contained in test records retained by the company in accordance with PED Annex 1, Paragraph 4.3 of 2014/68/EU
- No Weld Repair Performed. No Lead Content. No Mercury Content.
- Knowingly making false, fictitious, or fraudulent statements on a MTR may result in legal liability.
- Material has been manufactured/supplied and tested in accordance with the most current version of the Weldbend Quality System Program
- MTR issued in accordance with EN 10204 paragraph 3.1
- L denotes ladle chemistry, P denotes product chemistry.

Generated by warehouse@gmsalesco.com

Heat: V3B-EP3
Your PO: 138021

4" 150# RF WN STD FLANGE A/SA 105

Alloy Piping Products, LLC
A Texas Pipe & Supply Company

MATERIAL TEST REPORT
EN 10204:2004 Type 3.1

ALLOY PIPING PRODUCTS-HOUSTON
2750 HOLMES RD. HOUSTON,TX 77051
Phone: 713-799-9235

Printed on: 09/25/23
Time: 11:05:32
Page: 1/2

Sold to:	Ship To:	

Sales Order #	Cust PO #	Book ID 6079

Heat Number	Item Number	Item Description	Quantity
V3B-EP3	4-I----FF501AAP	4 150 RF WN STD A105	1315

Starting Material	Forging

Order Spec:				
Item Spec:	ASTM A105-21	ASME SA105-21		

Result ID: 1 Product Analysis — Chemical Composition (wt%)

Element	Content	Element	Content	Element	Content	Element	Content	Element	Content
C	0.1900	Mn	1.0200	P	0.0080	S	0.0120	Si	0.2300
Ni	0.1100	Cr	0.0600	Mo	0.0300	Cu	0.3000	V	0.0000

Summary Results

CE	0.41	Sum Cr+Mo	0.0900	Sum Nb+V	0.0010	CREQ	0.1857	MN/C RATIO	5.3684
Sum Ni+Cu	0.4100	CuNiCrMoV	0.5000						

TEST RESULTS

Work Order: 1008065 Load Designation: Test Set:

Result ID: 1

Tensile Test

Specimen type:	Longitudinal Round	Gauge Length:	2.00 In
Tensile Strength:	83.70 KSI	Yield Strength:	47.00 KSI
Elongation:	26.00 %	Reduction:	54.00 %

Result ID: 1

Hardness Test

Hardness: 167 HBW

Alloy Piping Products, LLC
A Texas Pipe & Supply Company

MATERIAL TEST REPORT
EN 10204:2004 Type 3.1

ALLOY PIPING PRODUCTS-HOUSTON
2750 HOLMES RD. HOUSTON,TX 77051
Phone: 713-799-9235

Printed on: 09/25/23
Time: 11:05:32

Sold to:	Ship To:	

Sales Order #	Cust PO #	Book ID 6079

Heat Number	Item Number	Item Description	Quantity
V3B-EP3	4-I----FF501AAP	4 150 RF WN STD A105	1315

SUPPLEMENTAL INFORMATION

Bevels in accordance with ASME B16.25, unless noted otherwise.

Dimensions and tolerances in accordance with the latest edition of ASME B16.5.

Material, when shipped, is free from contamination by mercury, radium, alpha source and low melting elements.

Hardness is acceptable in accordance with NACE MR0175-2021/ISO 15156:2020 and MR0103/ISO 17945:2015
We hereby certify that the materials listed above have been manufactured, sampled, tested and inspected in accordance with specifications and grade listed, and have been found to meet the requirements.

NACE MR0175-21/ISO 15156-2:2015

Jesus D. Serrano
QA Manager

09/25/23
Date

Heat: V3B-CX5
Your PO: 138379

4" 150# RF WN STD FLANGE A/SA 105

Alloy Piping Products, LLC
A Texas Pipe & Supply Company

MATERIAL TEST REPORT
EN 10204:2004 Type 3.1

ALLOY PIPING PRODUCTS-HOUSTON
2750 HOLMES RD. HOUSTON,TX 77051
Phone: 713-799-9235

Printed on: 10/17/23
Time: 17:33:17
Page: 1/2

Sold to:	Ship To:	

Sales Order #	Cust PO #	Book ID 7333

Heat Number	Item Number	Item Description	Quantity
V3B-CX5	4-I----FF501AAP	4 150 RF WN STD A105	702

Starting Material	Forging

Order Spec:				
Item Spec:	ASTM A105-21	ASME SA105-21		

Result ID: 1 Product Analysis — Chemical Composition (wt%)

Element	Content	Element	Content	Element	Content	Element	Content	Element	Content
C	0.1900	Mn	1.0000	P	0.0110	S	0.0160	Si	0.2000
Ni	0.0700	Cr	0.1100	Mo	0.0200	Cu	0.3300	V	0.0000
Nb	0.0010	Al	0.0090	B	0.0015				

Summary Results

CE	0.41	Sum Cr+Mo	0.1300	Sum Nb+V	0.0010	CREQ	0.2458	MN/C RATIO	5.2632
Sum Ni+Cu	0.4000	CuNiCrMoV	0.5300						

TEST RESULTS

Work Order: 1008065 Load Designation: Test Set:

Result ID: 1

Tensile Test

Specimen type:	Longitudinal Round	Gauge Length:	1.00 In
Tensile Strength:	83.9 KSI	Yield Strength:	48.1 KSI
Elongation:	33.0 %	Reduction:	64.0 %

Alloy Piping Products, LLC
A Texas Pipe & Supply Company

MATERIAL TEST REPORT
EN 10204:2004 Type 3.1

ALLOY PIPING PRODUCTS-HOUSTON
2750 HOLMES RD. HOUSTON,TX 77051
Phone: 713-799-9235

Printed on: 10/17/23
Time: 17:33:17

Sold to:	Ship To:	

Sales Order #	Cust PO #	Book ID 7333

Heat Number	Item Number	Item Description	Quantity
V3B-CX5	4-I----FF501AAP	4 150 RF WN STD A105	702

Result ID: 1	**Hardness Test**
Hardness: 159 HBW	

SUPPLEMENTAL INFORMATION

Bevels in accordance with ASME B16.25, unless noted otherwise.

Dimensions and tolerances in accordance with the latest edition of ASME B16.5.

Material, when shipped, is free from contamination by mercury, radium, alpha source and low melting elements.

Hardness is acceptable in accordance with NACE MR0175-2021/ISO 15156:2020 and MR0103/ISO 17945:2015
We hereby certify that the materials listed above have been manufactured, sampled, tested and inspected in accordance with specifications and grade listed, and have been found to meet the requirements.

NACE MR0175-21/ISO 15156-2:2015

Jesus D. Serrano
QA Manager

10/17/23
Date

WELDBEND

6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

WELDBEND CORPORATION
6901 E. 11th Street
Tulsa,OK
PO: 145067

Quantity	Product	Heat Code	Heat Treatment	Steel Mill
12	1½" Class 150 Threaded RF	096	Hot Formed	CMC STEEL

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	CE (IIW)
L	0.19	0.99	0.012	0.029	0.22	0.24	0.10	0.06	0.024	0.00	0.001	0.000	0.0000	0.002	0.395

Tens.	Yield	Elon	ROA	BHN	BHN2
76,500	46,100	30.00	61.00	148	146

A 105-18
Dimensional Specification: B16.5

A 105

Quantity	Product	Heat Code	Heat Treatment	Steel Mill
8	4" Std LR 45° Elbow	732657	Hot Formed	SILCOTUB (TENARIS)

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	CE (IIW)
L	0.12	0.89	0.012	0.003	0.19	0.19	0.19	0.10	0.050	0.00	0.025	0.002	< 0.0005	0.001	0.324

Fine Grain Practice

Tens.	Yield	Elon	ROA	BHN	BHN2
71,500	48,500	27.40	-	154	155

A 234-24
Dimensional Specification: B16.9

SEGM

WPB

Quantity	Product	Heat Code	Heat Treat: Normalized	Steel Mill
4	4" x 2½" Std Concentric Reducer	45CN		V & M STAR

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	CE (IIW)
L	0.21	0.75	0.006	0.005	0.21	0.19	0.07	0.09	0.020	0.00	0.027	0.002	0.0003	0.001	0.375

Fine Grain Practice

Tens.	Yield	Elon	ROA	BHN	BHN2
74,400	50,000†	27.30	-	153	156

A 234-24
Dimensional Specification: B16.9

WPB

We hereby certify that the material meets the following
- All fittings and flanges meet NACE MRO-175/ISO 15156-Latest Revision.
- All fittings and flanges meet NACE MRO-103 - Latest Revision.
- All non high-yield fittings meet the requirements of ASTM A-234 WPB / ASME SA-234
- All non high-yield flanges meet the requirements of ASTM A-105 WPB / ASME SA-105
- All elbows, tees and reducers are seamless, except as noted.
- Plate for caps and welded fittings.
- Bars, Billets or Blooms for flanges and certain caps and tees.
- MTR only valid with QR code linking to traceability.weldbend.com

† This indicates that the reported yield is capped at 50,000 psi.

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Cert #446233

Richard Purpura

Richard Purpura
Quality Assurance Department
5/20/2026

Scan For Online Report

We hereby certify that the material meets the following:
- ISO 9001:2015 CERTIFIED MANUFACTURER
- Test Results herein are correct as contained in test records retained by the company in accordance with PED Annex 1, Paragraph 4.3 of 2014/68/EU
- No Weld Repair Performed. No Lead Content. No Mercury Content.
- Knowingly making false, fictitious, or fraudulent statements on a MTR may result in legal liability.
- Material has been manufactured/supplied and tested in accordance with the most current version of the Weldbend Quality System Program
- MTR issued in accordance with EN 10204 paragraph 3.1

Generated by sryan@weldbend.com

WELDBEND

6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

WELDBEND CORPORATION
6901 E. 11th Street
Tulsa,OK
PO: 145067

Quantity	Product	Heat Code	Heat Treatment	Steel Mill
4	4" x 3" Std Eccentric Reducer	13586	Heat Treat: Normalized	V & M STAR

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	CE (IIW)	Tens.	Yield	Elon	ROA	BHN	BHN2
L	0.18	0.83	0.011	0.004	0.26	0.21	0.07	0.15	0.020	0.00	0.035	0.004	0.0004	0.001	0.371	73,200	49,700	27.70	-	169	170

A 234-23A
Dimensional Specification: B16.9

WPB

Fine Grain Practice

Quantity	Product	Heat Code	Heat Treatment	Steel Mill
2	16" Class 150 Welding Neck StdB RF	1H323	Hot Formed	NUCOR STEEL

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	CE (IIW)	Tens.	Yield	Elon	ROA	BHN	BHN2
L	0.18	1.17	0.006	0.003	0.25	0.14	0.08	0.08	0.020	0.00	0.019	0.001	0.0005	0.000	0.410	77,600	46,700	31.90	67.60	148	147

A 105-24
Dimensional Specification: B16.5

A 105

We hereby certify that the material meets the following
- All fittings and flanges meet NACE MRO-175/ISO 15156-Latest Revision.
- All fittings and flanges meet NACE MRO-103 - Latest Revision.
- All non high-yield fittings meet the requirements of ASTM A-234 WPB / ASME SA-234
- All non high-yield flanges meet the requirements of ASTM A-105 WPB / ASME SA-105
- All elbows, tees and reducers are seamless, except as noted.
- Plate for caps and welded fittings.
- Bars, Billets or Blooms for flanges and certain caps and tees.
- MTR only valid with QR code linking to traceability.weldbend.com

† This indicates that the reported yield is capped at 50,000 psi.

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Cert #446233

Richard Purpura

Richard Purpura
Quality Assurance Department
5/20/2026

Scan For Online Report

We hereby certify that the material meets the following:
- ISO 9001:2015 CERTIFIED MANUFACTURER
- Test Results herein are correct as contained in test records retained by the company in accordance with PED Annex 1, Paragraph 4.3 of 2014/68/EU
- No Weld Repair Performed. No Lead Content. No Mercury Content.
- Knowingly making false, fictitious, or fraudulent statements on a MTR may result in legal liability.
- Material has been manufactured/supplied and tested in accordance with the most current version of the Weldbend Quality System Program
- MTR issued in accordance with EN 10204 paragraph 3.1

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