



6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

WELDBEND CORPORATION
PO Box 2388
Sulphur, LA
PO: P0242396-01

Quantity	Product	Heat Code	Heat Treatment Info															Steel Mill					
16	4" Class 150 Welding Neck StdB RF	1C326	Hot Formed															CMC STEEL					
			<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>V</u>	<u>Al</u>	<u>Ti</u>	<u>B</u>	<u>Cb</u>	<u>Tens.</u>	<u>Yield</u>	<u>Elong</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5
			0.19	1.00	0.009	0.016	0.20	0.21	0.10	0.05	0.023	0.00	0.002	0.001	0.0000	0.002	80,500	44,900	31.00	62.00	154	156	A 105
			CE (IIW): 0.392																				
			CE (PCM): 0.263																				
12	1" Class 150 Welding Neck XSB RF	W418A	Hot Formed															ALTON STEEL					
			<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>V</u>	<u>Al</u>	<u>Ti</u>	<u>B</u>	<u>Cb</u>	<u>Tens.</u>	<u>Yield</u>	<u>Elong</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-13 Dimensional Specification: B16.5
			0.21	0.96	0.007	0.024	0.23	0.18	0.06	0.14	0.023	0.04	0.003	0.001	-	0.003	79,500	49,600	26.00	50.30	150	150	A 105
			CE (IIW): 0.426																				
24	1" Class 150 Slip-on RF	349AC	Hot Formed															ALTON STEEL					
			<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>V</u>	<u>Al</u>	<u>Ti</u>	<u>B</u>	<u>Cb</u>	<u>Tens.</u>	<u>Yield</u>	<u>Elong</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5
			0.21	1.12	0.017	0.019	0.20	0.20	0.07	0.16	0.031	0.03	0.003	0.001	0.0002	0.001	94,000	50,000†	24.00	66.00	179	183	A 105
			CE (IIW): 0.458																				
			CE (PCM): 0.297																				
120	2" Class 150 Slip-on RF	3DE54	Hot Formed															RIVA					
			<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>V</u>	<u>Al</u>	<u>Ti</u>	<u>B</u>	<u>Cb</u>	<u>Tens.</u>	<u>Yield</u>	<u>Elong</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5
			0.19	1.03	0.013	0.006	0.22	0.17	0.07	0.15	0.010	0.00	0.026	0.017	0.0000	0.001	72,800	47,300	33.80	67.30	143	144	A 105
			CE (IIW): 0.405																				
			CE (PCM): 0.262																				

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 (AND SA-234)
- All fittings are seamless except as noted.
- All non-high yield flanges meet the requirements of ASTM A-105 (AND SA-105)
- Starting Material Seamless Pipe for elbows, tees and reducers.
- Plate for caps and welded fittings
- Bars, Billets or Blooms for flanges and certain caps and tees.
- Ladle chemistry reported

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

Cert #363690

Richard Purpura

Richard Purpura
Quality Assurance Department
6/23/2023



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 EN 10 204 Para 3.1 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

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