



BULL MOOSE TUBE ELKHART FACILITY
 CERTIFICATION OF TESTS
 EN 10204:2004 TYPE 3.1 CERT

03/31/14

1819 Clarkson Rd.
 Chesterfield, Missouri 63017

ORIGINAL

Ship Via

6" X 4" X 0.500 HR X 40'

101.6 X 152.4 mm

ASTM A500-13 GRADE B & C

Ladle Analysis and Physicals

Order # 446026

Purchase Order # 600931

Item # 107593 2563

Customer Item #

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = 446071

P NG

	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
052	.757	.012	.004	.038	.014	.028	.017	.030	.009	.001	.003	0.000	.013	.005	.189	64110	71510	37

6" X 4" X 0.500 HR X 40'

101.6 X 152.4 mm

ASTM A500-13 GRADE B & C

Ladle Analysis and Physicals

Order # 446026

Purchase Order # 600931

Item # 107593 2563

Customer Item #

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = 345606

P NG

	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
059	.769	.011	.005	.039	.019	.033	.022	.032	.009	.001	.005	0.000	.017	.003	.200	62970	73900	36

8" X 6" X 0.250 HR X 40'

152.4 X 203.2 mm

ASTM A500-13 GRADE B & C

Ladle Analysis and Physicals

Order # 446026

Purchase Order # 600931

Item # 101394 3844

Customer Item #

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = A70935

P NG

	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
060	.450	.010	.003	.029	.020	.013	.100	.050	.040	.001	.010	0.000	.001	.008	.160	53840	55010	34

Quality Manager:

Richard Long

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