



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

01/29/15

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

Customer Item

Order # 476987

Purchase Order # 601140

Item # 107593 2563

#

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

Heat # = M87084

P NG

C	MN	P	S	AL	SI	CB	CU	CR	NI	V	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.090	.670	.010	.007	.043	.012	.001	.020	.040	.010	.090	.003	0.000	.001	.004	.232	53500	71000	35

10" X 8" X 0.312 HR X 40'

203.2 X 254.0 mm

ASTM A500-13 GRADE B & C

Ladle Analysis and Physicals

Customer Item

Order # 476987

Purchase Order # 601140

Item # 108405 5125

#

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

Heat # = 439683

P NG

C	MN	P	S	AL	SI	CB	CU	CR	NI	V	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.051	.777	.009	.004	.048	.019	.029	.009	.026	.008	.002	.002	0.000	.016	.006	.191	58970	67190	37

10" X 8" X 0.312 HR X 40'

203.2 X 254.0 mm

ASTM A500-13 GRADE B & C

Ladle Analysis and Physicals

Customer Item

Order # 476987

Purchase Order # 601140

Item # 108405 5125

#

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

Heat # = 439684

P NG

C	MN	P	S	AL	SI	CB	CU	CR	NI	V	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.057	.770	.009	.004	.045	.010	.031	.006	.028	.007	.002	.002	0.000	.015	.004	.194	60580	69370	34

10" X 8" X 0.312 HR X 40'

203.2 X 254.0 mm

ASTM A500-13 GRADE B & C

Ladle Analysis and Physicals

Customer Item

Order # 476987

Purchase Order # 601140

Item # 108405 5125

#

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

Heat # = 439683

P NG

C	MN	P	S	AL	SI	CB	CU	CR	NI	V	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.051	.777	.009	.004	.048	.019	.029	.009	.026	.008	.002	.002	0.000	.016	.006	.191	58970	67190	37

Quality Manager:

Richard Cary

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