



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

10/21/13  
 Page 2 of 4

AHSS

1819 Clarkson Rd.  
 Chesterfield, Missouri 63017

ORIGINAL

**BILL TO** Ferre Barniedo, S.A. de C.V.  
 Av. Revolucion No. 81  
 San Cristobal- Ecatepec  
 FINAL DEST.: SAN LUIS POTOSI  
 Edo. de Mexico 55000

**SHIP TO** TAF Forwarding Agency  
 TAF Forwarding Agency, Inc.  
 1207 Uniroyal Drive-Unitek Ind. Park  
 Patent#4100 Apd Jorge M. Medrano Sanchez  
 FINAL DEST.: SAN LUIS POTOSI  
 Laredo TX 78041

B/L Number 300017

Ship Via

TTPX\_804222

14" X 6" X 0.500 HR X 40'

152.4 X 355.6 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals  
 Structural-Dual Certified

Customer Item #

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

Heat # = 344127

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.062	.803	.008	.005	.040	.016	.033	.030	.032	.017	.005	.004	0.000	.018	.005	.210	61830	72210	36

Order # 425754  
 Purchase Order # 600769  
 Item # 107767 3852

P NG

14" X 6" X 0.500 HR X 40'

152.4 X 355.6 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals  
 Structural-Dual Certified

Customer Item #

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

Heat # = 334385

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.061	.730	.008	.007	.052	.014	.032	.012	.038	.008	.001	.002	0.000	.015	.004	.195	58240	68780	39

Order # 425754  
 Purchase Order # 600769  
 Item # 107767 3852

P NG

14" X 6" X 0.500 HR X 40'

152.4 X 355.6 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals  
 Structural-Dual Certified

Customer Item #

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

Heat # = 344127

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.062	.803	.008	.005	.040	.016	.033	.030	.032	.017	.005	.004	0.000	.018	.005	.210	61830	72210	36

Order # 425754  
 Purchase Order # 600769  
 Item # 107767 3852

P NG

14" X 6" X 0.312 HR X 40'

152.4 X 355.6 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals  
 Structural-Dual Certified

Customer Item #

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

Heat # = 842C39470

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.060	.830	.013	.004	.036	.026	.034	.031	.040	.020	.001	.006	0.000	.002	.006	.215	64670	74280	34

Order # 426937  
 Purchase Order # 600785  
 Item # 102346 3852

P NG

Quality Manager: *Richard Long*

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