



# BULL MOOSE TUBE

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

07/07/17

ORIGINAL

Ship Via

8" X 6" X 0.187 HR X 40'      Heat Weight      2789.05      Order #      563641  
 152.4 X 203.2 mm      Ladle Analysis and Physicals      Purchase Order #      601797  
 ASTM A500-13 GRADE B & C      Item #      101384      3844  
 9 Pcs Carbon Steel Pipe/Tube Rectan      Customer Item #

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

Heat # = 842X38080      P      NG

C	Mn	P	S	Al	Si	Cb	Cu	Cr	Ni	V	Mo	B	Ti	N	Ceq	YLD psi	TSN psi	ELN %
.060	.610	.006	.004	.037	.021	.026	.024	.030	.010	.001	.007	0.000	.002	.005	.175	59060	66450	39

Heat # = 842X38090      P      NG

C	Mn	P	S	Al	Si	Cb	Cu	Cr	Ni	V	Mo	B	Ti	N	Ceq	YLD psi	TSN psi	ELN %
.060	.630	.007	.005	.041	.020	.025	.039	.030	.020	.001	.008	0.000	.002	.005	.180	60040	67920	31

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Heat # = 832X38090      P      NG

C	Mn	P	S	Al	Si	Cb	Cu	Cr	Ni	V	Mo	B	Ti	N	Ceq	YLD psi	TSN psi	ELN %
.060	.630	.007	.003	.041	.020	.025	.039	.030	.020	.001	.008	0.000	.002	.005	.180	59710	69660	28

Quality Manager:

THIS WELDED STEEL TUBING IS MANUFACTURED IN THE UNITED STATES OF AMERICA AND HAS BEEN PRODUCED IN ACCORDANCE WITH THE STATED SPECIFICATION. LADLE CHEMISTRIES ARE REPORTED FROM DOCUMENTS PROVIDED BY THE SUPPLYING STEEL MILL. ANY PHYSICAL AND MECHANICAL TESTING RESULTS SHOWN ON THIS CERTIFICATION ARE CORRECT AS CONTAINED IN THE RECORDS OF THE COMPANY.