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AMB AmeriBolt

A Division of Lonestar Group

MATERIAL TEST REPORT

AMB **LSF**

PO# P1522121 **SO#** 477750

40 PCS

Item: 7/8 - 9 X 10' ALL THREADED ROD HDG

Material Specification: ASTM A193/A193M (20) B7
ASME SA-193/SA-193M B7
ASTM F1554(20) GD 105 S4
EN 10204 3.1

LOT#:	W133870		
Heat Number:	10863320	**Country of Origin:**	USA
Tensile Strength KSI:	143	**Yield Strength KSI:**	129
Elongation:	22	**Reduction of Area:**	59
Hardness:	29 HRC	**Charpy Impact -20 F:**	84/83/98
Macro Etch:	S1/R1/C1	**Tempering Temp.:**	1334 F
Quenched and Tempered		**Decarburization:**	Pass
No Mercury Used / No Weld Repair			

Carbon (C):	0.420	**Chromium (CR):**	0.870
Manganese (MN):	0.860	**Molybdenum (MO):**	0.160
Phosphorus (P):	0.009	**Copper (CU):**	NA
Sulfur (S):	0.009	**Nitrogen (N):**	NA
Silicon (SI):	0.290	**Nickel (NI):**	NA
Cobalt (CO):	NA	**Aluminum (AL):**	NA
Vanadium (V):	NA	**Tin (SN):**	NA
Tungsten (W):	NA	**Titanium (TI):**	NA
Columbium/Niobium (NB/CB):	NA	**Boron (B):**	NA
Calcium (CA):	NA		

"AmeriBolt is a Lonestar Fasteners approved bolting products supplier"

We hereby certify that the material was manufactured, sampled, tested and inspected per the most recent revision of the product or material specification. The foregoing data was furnished to us by our supplier or resulting from a test performed in a recognized laboratory and is on file in the records of the corporation.

Jose Rodriquez
Quality Manager

JULIE ROMO
MTR Administrator

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