

Issue Date: 8/22/2022

Supplier: Fasteners Plus
202 Blue Creek Drive
Urbana IA, 52345

Part Number: TRA-11236

Item: 1 1/2 - 6 X 36		ALL THREAD STUD	
Material Specification: ASTM A193(19) B7			
LOT#:	W52132		
Heat Number:	A203963		
Tensile Strength KSI:	138	Yield Strength KSI:	123
Elongation:	21	Reduction of Area:	62
Hardness:	31 HRC	Wedge Tensile PSI:	N/A
Macro Etch:	S1/R1/C2	Tempering Temp.:	1300 F
Quenched and Tempered		Decarburization:	Pass

Carbon (C):	0.420	Chromium (CR):	0.840
Manganese (MN):	0.820	Molybdenum (MO):	0.170
Phosphorus (P):	0.009	Copper (CU):	NA
Sulfur (S):	0.019	Nitrogen (N):	NA
Silicon (SI):	0.230	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		

Signature Wendi Kafer

Date: 8/22/2022

Title: Quality Manager

