

FASTENERS+PLUS

FIND IT FAST. GET IT FAST.

Issue Date: 7/5/2022

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

Part Number: TRA-112

Item: 1 - 5 X 12		ALL THREAD STUD	
Material Specification: ASTM A193(17) B8M CL 1			
LOT#:	W17719		
Heat Number:	C54T		
Tensile Strength KSI:	103	Yield Strength KSI:	90
Elongation:	41	Reduction of Area:	67
Hardness:	204 HBW	Wedge Tensile PSI:	NA
Macro Etch:	NA	Tempering Temp.:	NA
Carbide Solution Treated			

Carbon (C):	0.02	Chromium (CR):	16.62
Manganese (MN):	1.36	Molybdenum (MO):	2.021
Phosphorus (P):	0.029	Copper (CU):	NA
Sulfur (S):	0.02565	Nitrogen (N):	NA
Silicon (SI):	0.25	Nickel (NI):	10.66
Cobalt (CO):	NA	Aluminum (AL):	NA
Vanadium (V):	NA	Tin (SN):	NA
Tungsten (W):	NA	Titanium (TI):	NA
Columblum/Niobium (NB/CB):	NA	Boron (B):	NA
Calcium (CA):	NA		

Signature Wendi Kafer

Date: 7/5/2022

Title: Quality Specialist

The certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical report and documentation are at applicant's disposal. This is to certify that the tested sample is in conform

=====

ity.