

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-7812

CS

Item: 7/8 - 9 X 12" ALL THREADED STUD

Material Specification: ASTM A193(11a) B8 CL. 1

LOT#: .799 / 65921

Heat Number: 231A Country of Origin: USA

Tensile Strength KSI: 110 Yield Strength KSI: 95

Elongation: 42 Reduction of Area: 64

Hardness: 222 HBW Wedge Tensile: N/A

Macro Etch: N/A Tempering Temp.: N/A

Carbide Solution Treated

Carbon (C): 0.039 Chromium (CR): 18.04

Manganese (MN): 1.62 Molybdenum (MO): NA

Phosphorus (P): 0.024 Copper (CU): NA

Sulfur (S): 0.023 Nitrogen (N): NA

Silicon (SI): 0.22 Nickel (NI): 8.03

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: 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.