

Issue Date: 7/5/2022

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

Part Number: TRA-112HDG

Item: 1 - 8 X 12	ALL THREAD STUD		
Material Specification: ASTM F1554(18) GD 55 S1	HDG		
LOT#:	W52174		
Heat Number:	202044		
Tensile Strength KSI:	83	Yield Strength KSI:	69
Elongation:	29 HRC	Reduction of Area:	59
Hardness:	NA	Wedge Tensile KSI:	NA
Macro Etch:	NA	Tempering Temp.:	NA

Carbon (C):	0.170	Chromium (CR):	NA
Manganese (MN):	0.780	Molybdenum (MO):	NA
Phosphorus (P):	0.010	Copper (CU):	NA
Sulfur (S):	0.025	Nitrogen (N):	NA
Silicon (SI):	0.210	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: 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.