TRU-FIT PRODUCTS • TRU-WELD

QUALITY WELD STUDS, STUD WELDING EQUIPMENT AND FASTENERS SINCE 1928

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AMERICAN PRODUCERS SUPPLY CO.
PO BOX 1050

MARIETTA OH 45750

CA08-066-11

CA 1/2 X 4-1/8 HEADED WELD STUD B/W

PO NUMBER	SHIPMENT NUMBER	ORDER NUMBER	CERT DATE	CERT QUANTITY
P1529152	5041537	65055993	12/23/2024	200

CERTIFICATION

This is to certify that this product has been manufactured to conform to: STANDARD AASHTO M169 / AWS D1.1-20 / D1.5-20/ BS EN ISO 13918 Specifications of material conforming to ASTM A108-18/ A29-20, ASTM A1044/A1044M-22a, BS EN 10204 3.1, S235 JRC, BS EN10025 low carbon steel, CSA W59-18 APPENDIX H AND CSA S6-19 CLAUSE 10.4.7. having the following chemical composition and physical properties:

LOT NUMBER:	391424332			
HEAT NUMBER:	20966180			
GRADE:	C1015			
MATERIAL ORIGIN	DOMESTIC (USA)			
CHEMICAL COMPOSITION				
CARBON:	0.160 %			
MANGANESE:	0.530 %			
PHOSPHORUS:	0.012 %			
SULPHUR:	0.004 %			
NICKEL	0.040 %			
CHROMIUM	0.090 %			
MOLYBDENUM	0.010 %			
ALUMINUM	0.025 %			
SILICON	0.260 %			
COPPER	0.080 %			
BORON	0.0001 %			
CEV	0.28 %			
MECHANICAL PROPERTIES				
REFERENCE	TW24-543 1		TW24-543 2	
ULTIMATE	75,276	PSI	74,188	PSI
	519	N/mm2	511	N/mm2
YIELD (0.2% OFFSET)	58,605	PSI	58,717	PSI
	404	N/mm2	405	N/mm2
REDUCTION OF AREA	67.5	%	66.8	%
ELONGATION	25.0	%	25.0	%
BEND TEST	PASSED		PASSED	
FAILURE LOCATION	SHANK		SHANK	

Mechanical properties above are derived from finished product using ASTM A370 testing procedures. TFP Corporation certifies that this is a copy of the original mechanical certification on file, that this product is melted and manufactured in the U.S.A., is free from mercury contamination and is free from repair welding.

By: Samuel T Ray

Samuel T Ray
Q.A. Manager
Tru-Weld Division
TFP Corporation