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
P1530831	5044941	65059455	1/21/2025	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:	391424352			
HEAT NUMBER:	20966560			
GRADE:	C1015			
MATERIAL ORIGIN	DOMESTIC (USA)			
CHEMICAL COMPOSITION				
CARBON:	0.160 %			
MANGANESE:	0.540 %			
PHOSPHORUS:	0.007 %			
SULPHUR:	0.003 %			
NICKEL	0.030 %			
CHROMIUM	0.080 %			
MOLYBDENUM	0.020 %			
ALUMINUM	0.024 %			
SILICON	0.280 %			
COPPER	0.070 %			
BORON	0.0001 %			
CEV	0.28 %			
MECHANICAL PROPERTIES				
REFERENCE	TW24-577 1		TW24-577 2	
ULTIMATE	82,568	PSI	83,295	PSI
	569	N/mm2	574	N/mm2
YIELD (0.2% OFFSET)	81,916	PSI	67,221	PSI
	565	N/mm2	463	N/mm2
REDUCTION OF AREA	64.2	%	65.4	%
ELONGATION	21.9	%	21.9	%
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