



P.O. Box 13948
 Roanoke, VA 24038-3934
 Office: (540) 342-1831
 (800) 753-3532
 Fax: (540) 342-9437
 www.roanokesteel.com

PRODUCT CERTIFICATION

MFG LOT NBR: JQ0746-490642
 HEAT NUMBER: JQ0746
 BILL OF LADING: 00657113
 SALES ORDER/LINE: 294003 / 004
 CERT ID / REV: 00488624 / 02


SOLD TO:

SHIP TO:

6841523
 12 FEBRUARY 2025

Garrett Hunsycutt



CUSTOMER P.O. KN-627690	CUSTOMER PART N/A	QUANTITY 5,168	BUNDLE(S) 1	TOTAL PIECES 81	GRADE ABS GRA	SHIPMENT DATE 01/30/2025				
PART NUMBER: BA004112000AY		DESCRIPTION: Angle 2 x 2 x 1/4 20'0" ABS GRA								
Alt Certs										
ASTM A36/A36M-19 ASTM A36/A36M-19 CU BEARING ASTM A529/A529M-19 GR50 ASTM A529/A529M-19 GR55 ASTM A529/A529M-19 GR55 (S78) ASTM A572/A572M-21 GR50 Type 2 ASTM A572/A572M-21 GR55 Type 2 ASTM A576-17 1016 ASTM A576-17 1018 ASTM A576-17 1019 CSA G40.21-13 GR44W CSA G40.21-13 GR50W CSA G40.21-13 GR55W AASHTO M270/M270M-20 GR36 AASHTO M270/M270M-20 GR36 CU BEARING AASHTO M270/M270M-20 GR50 Type 2 ASME SA36/SA36M-19 (01JUL19) ASME SA572/572M-17 GR50T2(01JUL19) ASTM A709/A709M-21 GR36 ASTM A709/A709M-21 GR36 CU BEARING ASTM A709/A709M-21 GR50 Type 2										
Chemical										
C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V	Nb
0.15	0.90	0.030	0.008	0.20	0.09	0.09	0.03	0.25	0.025	0.000
Yield Tensile Elongation										
	Yld-1 (KSI)	Yld-1 (MPa)	Ultimate-1 (KSI)	Ultimate-1 (MPa)	Elong8" (%)					
Sample-1	56.0	386	76.0	524	28					
	Yld-2 (KSI)	Yld-2 (MPa)	Ultimate-2 (KSI)	Ultimate-2 (MPa)	Elong8" (%)					
Sample-2	55.0	379	75.0	517	26					
CERT ANNOTATION										
ABS-25 GR A										
MIL SPEC										
MIL-S-22698 REV C AMD #1 & #2 GR A CL-U										
CERT STATEMENTS										
MATERIAL MANUFACTURED IN ACCORDANCE WITH OUR QUALITY MANUAL REVISION 16 DATED 06-10-2020, BASED UPON ISO 9001-2015.										
<small>Approved ABS QA Mill. Certificate Nos. QA-5138516 and STML T2243895. This Material was melted and manufactured in our plant located in Roanoke, VA, USA, by basic Electric Furnace process meet the "ordered" Grade. Mercury, Radium or other Alpha source materials in any form have not been used in the production of this material. No Weld repair has been performed. Any tensile values stated herein either inch-pound units or SI units are to be regarded as separate as defined in the ASTM scope for this material. All samples tested are full size and in an "as-rolled" condition. Unit metric specification is ordered, this material has been tested and meets the requirements of the inch-pound ranges.</small>										
<small>This is to certify the above to be a true and accurate report as contained in the records of this company.</small>										
END OF CERTIFICATION			 Metallurgist: <u>Jacob Nott</u>							