



CERTIFIED MATERIAL TEST REPORT

US ML-JACKSON TN
801 GERDAU AMERISTEEL ROAD
JACKSON, TN 38305
USA

CUSTOMER SHIP TO LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA		GRADE GGMULTI	SHAPE / SIZE Angle / 5X3 1/2X5/16	DOCUMENT ID: 0000582141
SALES ORDER 13526523.000010		CUSTOMER MATERIAL N° 000000505003161020		LENGTH 20' 00"	WEIGHT 9,396 LB	HEAT / BATCH 63232958/04
CUSTOMER PURCHASE ORDER NUMBER EG00007592		BILL OF LADING 1333-0000227325		DATE 11/13/2023		
SPECIFICATION / DATE or REVISION ASTM A529-19, A572-21 ASTM A6-17, A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13, G40.21-13						

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	Al (%)	CEq ^{A529} (%)	Sn (%)
0.14	0.68	0.019	0.025	0.23	0.31	0.12	0.20	0.026	0.003	0.007	0.000	0.37	0.012

MECHANICAL PROPERTIES							
Elong. (%)	G/L (Inches)	G/L (mm)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
27.00	8.000	200.0	75232	519	56987	393	
28.00	8.000	200.0	75698	522	58306	402	

GEOMETRIC CHARACTERISTICS	
R.R	
13.39	

COMMENTS / NOTES

This grade meets the requirements for the following grades:
 ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
 CSA Grades: 44W; 50W
 AASHTO Grades: M270-36; M270-50
 ASME Grades: SA36

Gerda's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit www2.gerdau.com/metals-recycling, or contact metalsrecycling@gerdau.com.

The above figures are certified chemical and physical test records as contained in the permanent records of the company. We certify that these data are correct and in compliance with specified requirements. No weld repair was performed on this material. The material has not been in contact with mercury while in Gerda's possession. For all products other than billets or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.

Bhaskar
 BHASKAR YALAMANCHILI
 QUALITY DIRECTOR
 Phone: (+099) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

Ben Lovell
 BEN LOVELL
 QUALITY ASSURANCE MGR
 Phone: (731) 423-5213 Email: benjamin.lovell@gerdau.com