



**CERTIFIED MATERIAL TEST REPORT**

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

SALES ORDER 13599834/000450		CUSTOMER MATERIAL N°		GRADE GGMULTI	SHAPE / SIZE Angle / 3 1/2X2 1/2X5/16	DOCUMENT ID: 0000588959	
CUSTOMER PURCHASE ORDER NUMBER SSW140211		BILL OF LADING 1333-0000229273		LENGTH 40'00"		WEIGHT 9,760 LB	
		DATE 12/15/2023		SPECIFICATION / DATE of REVISION ASTM A529-14, A572-15 ASTM A6-17, A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13			
				HEAT / BATCH 63234120/04			

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	Al (%)	CE <sub>eq</sub> A529 (%)	Sn (%)
0.11	0.64	0.009	0.027	0.21	0.28	0.11	0.15	0.040	0.002	0.006	0.000	0.32	0.012

MECHANICAL PROPERTIES							
Elong. (%)	G/L (Inches)	G/L (mm)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
31.00	8.000	200.0	72682	501	54255	374	
33.00	8.000	200.0	72642	501	54174	374	

GEOMETRIC CHARACTERISTICS	
R:R	
17.00	

**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

Gerdau's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit [www2.gerdau.com/metals-recycling](http://www2.gerdau.com/metals-recycling), or contact [metalsrecycling@gerdau.com](mailto: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 Gerdau 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.

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