

**CERTIFIED MATERIAL TEST REPORT**



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

USA		GRADE GGMULTI	SHAPE / SIZE Angle / 5X3 1/2X5/16	DOCUMENT ID: 0000561147
USA		LENGTH 20'00"	WEIGHT 4,698 LB	HEAT / BATCH 63232954/04
SALES ORDER 13229925/000030	CUSTOMER MATERIAL N° 000000505003161020	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		
CUSTOMER PURCHASE ORDER NUMBER 4500556359	BILL OF LADING 1333-0000221177	DATE 08/10/2023		

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	Al (%)	CEq <sup>A529</sup> (%)	Sn (%)
0.14	0.69	0.013	0.024	0.24	0.34	0.14	0.14	0.020	0.002	0.007	0.000	0.36	0.011

MECHANICAL PROPERTIES		G/L (Inches)	G/L (mm)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
Elong. (%)		8.000	200.0	76737	529	59346	409
		8.000	200.0	76275	526	59540	411

GEOMETRIC CHARACTERISTICS	
R/R	
13.59	

**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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