

**CERTIFIED MATERIAL TEST REPORT**



US-ML-MIDLOTHIAN  
300 WARD ROAD  
MIDLOTHIAN, TX 76065  
USA

CUSTOMER SHIP TO LONGVIEW, TX 75604-4817 USA	CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA	GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 16 X 50# / 410 X 75	DOCUMENT ID: 0001039599
SALES ORDER 13609612/000050	CUSTOMER MATERIAL N° 00000003716500040	LENGTH 40' 00"	PCS 9	WEIGHT 18,000 LB
CUSTOMER PURCHASE ORDER NUMBER 4500564861	BILL OF LADING 1327-0000559704	DATE 12/19/2023	SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W	
HEAT / BATCH 60146271/06				

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
0.09	1.00	0.015	0.022	0.20	0.26	0.18	0.24	0.050	0.009	0.005	0.018	0.003	0.35

MECHANICAL PROPERTIES		YS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)		72957	376	503	0.750	8.000	200.0	24.70
54533		75045	390	518	0.750	8.000	200.0	24.50
56571								

COMMENTS / NOTES

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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