



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

		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 8 X 31# / 200 X 46.1	DOCUMENT ID: 0001061238
LENGTH 40'00"	PCS 2	WEIGHT 2,480 LB	HEAT / BATCH 59115553/06	
SALES ORDER 13756884/000010		CUSTOMER MATERIAL N°		SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W
CUSTOMER PURCHASE ORDER NUMBER SSW141468	BILL OF LADING 1327-0000565948	DATE 02/11/2024		

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)	
0.09	0.94	0.007	0.028	0.19	0.21	0.08	0.17	0.021	0.004	0.002	0.021	0.30	

MECHANICAL PROPERTIES							
YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)
58083	72873	400	502	0.800	8.000	200.0	23.40
58440	74220	403	512	0.790	8.000	200.0	24.70

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.

*Bhaskar*  
BHASKAR YALAMANCHILI  
QUALITY DIRECTOR

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Date: 3/4/2024 To: SENTRY SUPPLY dba SO#: A807834 Ln#: 1 PO#: P0247456-15 Part: W0803140\* Qty: 2  
Head#: 59115553\* Tag: B07030424 Page: 1 of 2



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

		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 8 X 31# / 200 X 46.1	DOCUMENT ID: 0001061263
		LENGTH 40'00"	PCS 18	WEIGHT 22,320 LB
		HEAT / BATCH 59115553/06		
SALES ORDER 13756884/000010		CUSTOMER MATERIAL N°		
		SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W		
CUSTOMER PURCHASE ORDER NUMBER SSW141468	BILL OF LADING 1327-0000565957	DATE 02/11/2024		

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)	
0.09	0.94	0.007	0.028	0.19	0.21	0.08	0.17	0.021	0.004	0.002	0.021	0.30	

MECHANICAL PROPERTIES							
YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)
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