



**GERDAU**

CA-ML-CAMBRIDGE  
160 ORION PLACE  
CAMBRIDGE, ON N1T 1R9  
Canada

7100 W MARSHALL AVE  
LONGVIEW, TX 75604-4817  
USA

MANHATTAN, KS 66505-1688  
USA

SALES ORDER  
12639534/000010

CUSTOMER MATERIAL N°  
000000000012640020

CUSTOMER PURCHASE ORDER NUMBER  
4500544857

BILL OF LADING  
1301-0000062340

DATE  
03/09/2023

GRADE  
A36/44W

SHAPE / SIZE  
Flat Bar / 3/16 X 4

DOCUMENT ID:  
0000204121

LENGTH  
20'00"

WEIGHT  
10,098 LB

HEAT / BATCH  
52109145/03

SPECIFICATION / DATE OF REVISION

ASME SA36  
ASTM A6-17, A36-14  
ASTM A709-18, AASHTO M270-15  
CSA G40.20-13/G40.21-13

CHEMICAL COMPOSITION

C (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	Sn (%)
0.11	1.18	0.030	0.23	0.25	0.10	0.18	0.030	0.025	0.001	0.018

MECHANICAL PROPERTIES

Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
24.50	8.000	72675	501	51074	352
26.00	8.000	73087	504	51120	353

COMMENTS / NOTES

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, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, and Hot Rolled) in Canada. For billets, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in Canada. CMTR complies with EN 10204 3.1.

*Bhaskar Yalamanchili*  
BHASKAR YALAMANCHILI  
QUALITY DIRECTOR

*Leonardo Nunes*  
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