

Bill To:  
 GERDAU CORSA S A P I DE CV  
 KM 3 CARRETERA MEXICO-  
 CD SAHAGUN S/N  
 SAHAGUN  
 43990

HG  
 MX

Ship To: 2  
 GERDAU CORSA S A P I DE CV  
 402 GRAND CENTRAL BLVD  
 MILO DISTRIBUTION CENTER  
 LAREDO TX  
 78045 US

Order Date:12/19/2011  
 PO No:4500090955  
 Mill Order No:3975942  
 Load No:1423430  
 Manifest No:2116704

**CERTIFIED MATERIAL TEST REPORT**  
**GERDAU**  
 Midlothian Mill  
 300 Ward Road  
 Midlothian, TX 76065  
 (972)775-8241



**SPECIFICATIONS**

ASTM A6-09, A992-06a, A572-07

SIZE: W 18 X 50# / W460 X 74  
 GRADE: 992/572-50  
 LENGTH: 40 FT / 12.192 M

PRODUCT:  
 WF BEAMS

HEAT NO: 22629510

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.93	.014	.024	.20	.35	.12	.14	.043	.005	.002	.002	.020	.29

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>			<u>Bend Test</u>	<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length		Dia. Result	%
55.4	382.0	72.1	497.1	0.793	5.12	25.0	8 In	200 mm		
57.0	393.0	73.9	509.5	0.813	5.25	24.4	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS  
 .77

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A. CMTR complies with EN 10204 3.1

"I hereby certify that the contents of this report are correct and accurate. All tests and operations performed by this material manufacturer or its sub-contractors, when applicable, are in compliance with the requirements of the material specifications and applicable purchaser designated requirements."

Signed: Tom L. Harrington Date: Jan. 31, 2012  
 Tom L. Harrington: Quality Assurance Manager

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Notary Public (if applicable)