

Bill To:  
SIDERTUL SA DE CV  
RFC# SID930918KR0  
AVENIDA PRESIDENTE MASARYK  
MEXICO CITY DF  
11570 MX

Ship To: 7  
SIDERTUL SA DE CV  
402 GRAND CENTRAL BLVD  
MILO DISTRIBUTION CENTER  
LAREDO TX  
78045 US

Order Date: 06/17/2011  
PO No: 4500012651  
Mill Order No: 3899423  
Load No: 1396619  
Manifest No: 2093425

CERTIFIED MATERIAL TEST REPORT

GERDAU AMERISTEEL  
Midlothian Mill  
300 Ward Road  
Midlothian, TX 76065  
(972) 775-8241

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

SIZE	GRADE	LENGTH
W 18 X 65# / W460 X 97	992/572-50	40 FT / 12.192 M

PRODUCT  
WF BEAMS

HEAT NO: 22599840

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	.86	.010	.033	.24	.30	.09	.09	.029	.012	.002	.003	.020	.28

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation		Bend Test		ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia.	Result	%
54.2	373.7	71.9	495.7	1.058	6.83	25.4	8 In 200 mm			
54.0	372.3	72.0	496.4	1.049	6.77	25.9	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.75	1.33	.75	1.33

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: Sep. 20, 2011  
Tom L. Harrington: Quality Assurance Manager

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

Bill To:  
SIDERTUL SA DE CV  
RFC# SID930918KRO  
AVENIDA PRESIDENTE MASARYK  
MEXICO CITY DF  
11570 MX

Ship To: 7  
SIDERTUL SA DE CV  
402 GRAND CENTRAL BLVD  
MILO DISTRIBUTION CENTER  
LAREDO TX  
78045 US

Order Date: 06/17/2011  
PO No: 4500012651  
Mill Order No: 3899423  
Load No: 1396619  
Manifest No: 2093425

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



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

SIZE	GRADE	LENGTH	PRODUCT
W 18 X 65# / W460 X 97	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22599910

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.83	.014	.037	.26	.34	.09	.10	.030	.013	.002	.003	.019	.26

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	%
53.8	370.9	71.2	490.9	1.063	6.86	25.2	8 In 200 mm			
54.0	372.3	71.2	490.9	1.055	6.81	25.8	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS  
.76

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: Sep. 19, 2011  
Tom L. Harrington: Quality Assurance Manager

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

Date: \_\_\_\_\_

Page: 2 of 3

Bill To:  
 SIDERTUL SA DE CV  
 RFC# SID930918KRO  
 AVENIDA PRESIDENTE MASARYK  
 MEXICO CITY DF  
 11570 MX

Ship To: 7  
 SIDERTUL SA DE CV  
 402 GRAND CENTRAL BLVD  
 MILO DISTRIBUTION CENTER  
 LAREDO TX  
 78045 US

Order Date: 06/17/2011  
 PO No: 4500012651  
 Mill Order No: 3899423  
 Load No: 1396619  
 Manifest No: 2093425

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



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

SIZE	GRADE	LENGTH	PRODUCT
W 18 X 65# / W460 X 97	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 2259983M

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	.83	.011	.027	.22	.34	.10	.10	.031	.011	.002	.003	.020	.28

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	%
52.9	364.7	70.6	486.8	1.042	6.72	26.5	8 In 200 mm			
53.7	370.2	71.5	493.0	1.061	6.85	25.6	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS  
 .75

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: Sep. 19, 2011  
 Tom L. Harrington: Quality Assurance Manager

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