



**GERDAU**

**CERTIFICADO DE CALIDAD**

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

|   |                                   |   |  |                     |  |                            |
|---|-----------------------------------|---|--|---------------------|--|----------------------------|
| CUSTOMER SHIP TO<br>GERDAU CORSA S A P I DE CV<br>EX RENAULT ESTACION HB22 8385<br>CIUDAD DE FRAY<br>BERNARDINO,HGO 43990<br>Mexico |                                   | CUSTOMER BILL TO<br>GERDAU CORSA S A P I DE CV<br>CARRETERA MEXICO CD SAHAGUN<br>SN<br>CD SAHAGUN,HGO 43990<br>Mexico |  | GRADE<br>992/572-50 | SHAPE / SIZE<br>WFBEAM SHAPE_I / 16 X 36# / 410 X 53 |                            |
| SALES ORDER<br>87294/000140   |                                   | SPECIFICATION / DATE or REVISION<br>A572/A572M-07<br>A992/A992M-11<br>ASTM A6/A6M-11                                  |  | LENGTH<br>40'00"    | WEIGHT<br>17,280 LB                                  | HEAT / BATCH<br>5905021302 |
| CUSTOMER PURCHASE ORDER NUMBER<br>4500175956  | BILL OF LADING<br>1327-0000012209 | DATE<br>11.07.2012  |  |                     |  |                            |

| CHEMICAL COMPOSITION |      |       |       |      |      |      |      |       |       |       |       |       |   |
|----------------------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|---|
| C                    | Mn   | P     | S     | Si   | Cu   | Ni   | Cr   | Mo    | Sn    | V     | Nb    | Al    |   |
| %                    | %    | %     | %     | %    | %    | %    | %    | %     | %     | %     | %     | %     | % |
| 0.07                 | 0.91 | 0.020 | 0.055 | 0.23 | 0.31 | 0.10 | 0.15 | 0.032 | 0.009 | 0.003 | 0.018 | 0.003 |   |

| CHEMICAL COMPOSITION |   |
|----------------------|---|
| CEqvA6               | % |
| 0.0                  |   |

| MECHANICAL PROPERTIES |      |     |     |       |       |
|-----------------------|------|-----|-----|-------|-------|
| YS                    | UTS  | YS  | UTS | G/L   | G/L   |
| KSI                   | KSI  | MPa | MPa | Inch  | mm    |
| 56.3                  | 71.6 | 388 | 494 | 8.000 | 200.0 |
| 56.4                  | 71.6 | 389 | 494 | 8.000 | 200.0 |

| MECHANICAL PROPERTIES |          |   |
|-----------------------|----------|---|
| Elong.                | Y/T rati | % |
| %                     | %        | % |
| 24.80                 | 0.786    |   |
| 25.00                 | 0.788    |   |

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of company. This material, including the billets, was melted and manufactured in the USA. We certify that these data are correct and in compliance with specified requirements. CMTR complies with EN 10204 3.1.

*Bhaskar* BHASKAR YALAMANCHILI  
QUALITY DIRECTOR

*Tom Harrington* TOM HARRINGTON  
QUALITY ASSURANCE MGR.