

**TECHNIWELD**  
ROBINSON TECHNICAL SOUTHEAST, INC.  
4420 COMMERCE DRIVE, S.W.  
ATLANTA, GA. 30336  
404-699-9900  
TOLL FREE 800-445-2152  
FAX 404-699-7800

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**CERTIFICATION**

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SPECIFICATION - AWS: 5.28/ASME SFA 5.28      CLASSIFICATION: ER90S-B3      ACTUAL

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SIZE: 5/32 X 36"

HEAT NO: 231744

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**CHEMICAL ANALYSIS**

|    |       |    |       |
|----|-------|----|-------|
| C  | 0.08  | Si | 0.46  |
| Mn | 0.47  | P  | 0.008 |
| S  | 0.009 | Cu | 0.20  |
| Cr | 2.49  | Mo | 0.93  |
| Ni | 0.04  |    |       |

**Mechanical Properties of Deposited Metal**

|                                 |                                 |
|---------------------------------|---------------------------------|
| T/S (N/mm <sup>2</sup> ): 649.7 | Y/S (N/mm <sup>2</sup> ): 546.9 |
| EL %: 19.1                      | N.D.E: Good                     |

SINGLE VALUES ARE MAXIMUM UNLESS OTHERWISE NOTED.  
WE CERTIFY THAT THESE CHEMICAL TEST RESULTS ARE CORRECT AND  
CONFORM TO THE ABOVE AWS SPECIFICATIONS, AS CONTAINED IN THE  
RECORDS OF THE COMPANY.

CERTIFIED BY: BARRY L. JOHNSON