

# AEROSPACE MATERIAL SPECIFICATIONS

AMS 2813

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Revised

## PACKAGING OF WELDING WIRE Standard Method

1. ACKNOWLEDGMENT: A vendor shall mention this specification number in all quotations and when acknowledging purchase orders.
2. APPLICATION: To assure cleanliness of bare wire for welding.
3. PACKAGING: Wire shall be packaged in such a manner as to ensure that the wire, during shipment and storage, will be protected against mechanical injury, dirt, grease, and other contamination.
  - 3.1 Cut Lengths: Wire shall be furnished in standard containers of approximately 5, 10, 25, 50, or 100 lb net weight, as specified.
  - 3.2 Spooled Wire:
    - 3.2.1 Spools shall be of such material and construction as to provide adequate strength and rigidity to prevent damage or distortion in normal handling and use and to insulate the wire from the spindle.
    - 3.2.2 Unless otherwise specified, spool dimensions shall conform to the approximate dimensions shown in Fig. 1. Barrel diameter "B" shall be such as to permit proper feeding of the wire. Holes shall be provided in the flange at the surface of the hub and near the OD of the flange for the start and finish ends of the wire. These holes need not be in line.
    - 3.2.3 Unless otherwise specified, wire shall be one continuous length, layer wound, and furnished on spools of approximately 1, 2.5, 5, 7, 10, 12.5, or 25 lb net weight, as ordered; up to 20% of the net weight of any lot in the shipment may be on spools containing not less than 50% of the ordered spool net weight.
4. PACKING: Containers of cut lengths shall be packed in standard exterior shipping containers of approximately 5, 10, 50, or 100 lb, as ordered. Containers of spooled wire shall be packed in standard exterior shipping containers containing the ordered multiple of standard spool weights up to a maximum net weight of 100 pounds.

Section 8.3 of the SAE Technical Board rules provides that: "All technical reports, including standards approved and practices recommended, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no intent to adhere to any SAE standard or recommended practice, and no commitment to conformity to or be guided by any technical report." In formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents.

5. IDENTIFICATION:

- 5.1 Cut Lengths: Each container shall be imprinted with, or shall bear a label showing, the following information:

WIRE, WELDING  
WIRE SPECIFICATION NUMBER \_\_\_\_\_  
SIZE \_\_\_\_\_  
QUANTITY \_\_\_\_\_  
HEAT NUMBER (If Applicable) \_\_\_\_\_  
MANUFACTURER'S IDENTIFICATION \_\_\_\_\_  
WIRE IDENTIFICATION SPECIFICATION \_\_\_\_\_  
CODE NUMBER \_\_\_\_\_

- 5.2 Spooled Wire: Spools shall be marked as required by the applicable wire identification or material specification; one end of each spool container shall be permanently and legibly marked with the following information:

WIRE, WELDING  
WIRE SPECIFICATION NUMBER \_\_\_\_\_  
SIZE \_\_\_\_\_  
QUANTITY \_\_\_\_\_  
HEAT NUMBER (If Applicable) \_\_\_\_\_  
MANUFACTURER'S IDENTIFICATION \_\_\_\_\_  
WIRE IDENTIFICATION SPECIFICATION \_\_\_\_\_  
CODE NUMBER \_\_\_\_\_

- 5.3 Exterior Shipping Containers: Each container of cut lengths and of spools shall be permanently and legibly marked with the following information:

WIRE, WELDING  
WIRE SPECIFICATION NUMBER \_\_\_\_\_  
SIZE \_\_\_\_\_  
QUANTITY \_\_\_\_\_  
HEAT NUMBER (If Applicable) \_\_\_\_\_  
PURCHASE ORDER NUMBER \_\_\_\_\_  
MANUFACTURER'S IDENTIFICATION \_\_\_\_\_  
WIRE IDENTIFICATION SPECIFICATION \_\_\_\_\_  
PACKAGED PER AMS 2813

6. REJECTIONS: Wire not packaged in accordance with this specification or with authorized modifications will be subject to rejection.