

AEROSPACE MATERIAL SPECIFICATIONS

AMS 7234A

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc. 485 Lexington Ave., New York 17, N.Y.

Issued 7-1-57
Revised 1-15-63

RIVETS, BLIND, ALLOY, CORROSION RESISTANT
67Ni - 30Cu

1. ACKNOWLEDGMENT: A vendor shall mention this specification number and its revision letter in all quotations and when acknowledging purchase orders.
2. APPLICATION: Primarily for two-piece, tubular, blind rivets composed of a preassembled hollow rivet on a pull stem, requiring corrosion resistance at temperatures up to 800 F (425 C), for rapid assembly in blind or open locations where high shear strength is required.
3. COMPOSITION:
 - 3.1 Hollow Portion: Shall conform to AMS 4730 except that sulfur may be as high as 0.060.
 - 3.2 Self-Plugging Stem or Mandrel: Shall conform to AMS 4730 except that sulfur ϕ may be as high as 0.060.
 - 3.3 Pull-Through Stem or Mandrel: Shall be low carbon steel.
4. CONDITION:
 - 4.1 Hollow Portion: Cold headed, unless purchaser permits machining of the head, pierced or drilled, and annealed, and descaled if necessary. It shall be fabricated from wire cold drawn from hot finished wire or rod which has been previously ground or has had surface preparation (other than by pickling) for removal of seams and other injurious surface imperfections.
 - 4.2 Self-Plugging Stem or Mandrel: Cold headed, unless purchaser permits machining, from cold worked material. It shall be fabricated from material as in 4.1 or from wire cold drawn from hot finished wire or rod.
5. TECHNICAL REQUIREMENTS:
 - 5.1 Shear Strength; Self-Plugging Rivets: Parts shall have shear strength not lower than 52,000 psi when sheared in a conventional type shearing jig.
 - 5.2 Retention of Stem; Self-Plugging Rivets: Stems of installed rivets shall withstand an axial force of 15 lb without being forced out of the rivet.
6. QUALITY: Parts shall be uniform in quality and condition, clean, sound, smooth, and free from foreign materials and from internal and external imperfections detrimental to their performance.
7. REPORTS: Unless otherwise specified, the vendor of the product shall furnish with each shipment three copies of a report stating that the product conforms to the chemical composition and technical requirements of this specification. This report shall include the purchase order number, material specification number, part number, nominal size, and quantity.

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 obligation to conform to or be guided by any technical report. In formulating and applying 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 infringement of patents."