

AEROSPACE MATERIAL SPECIFICATIONS

AMS 7234B

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

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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 pre-assembled hollow rivet on a pull stem, requiring corrosion resistance at temperature 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 may be as high as 0.060.
 - 3.3 Pull-Through Stem or Mandrel: Shall be low carbon steel.
 - 3.4 Locking Collar: Shall conform to AMS 4674 or AMS 4675, unless otherwise specified, when the locking collar is a separate piece.
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 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.