AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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AMS 7232

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RIVETS, ALLOY, CORROSION AND HEAT RESISTANT
Nickel Base - 15.5Cr - 8Fe

1. ACKNOWLEDGMENT: A vendor shall mention this specification number in all quotations and when acknowledging purchase orders.

2. APPLICATION: Rivets requiring corrosion resistance, and heat and oxidation resistance up to approximately 1800 F, but not high strength at that temperature. Rivets should not be hand peened during riveting.

3. COMPOSITION:

Carbon	0.10 max
Manganese	1.00 max
Silicon	0.50 max
Chromium	14.00 - 17.00
Nickel + Cobalt	72.00 min
Cobalt, if determined	1.00 max
Iron	6.00 - 10.00
Copper	0.50 max

4. CONDITION: Cold headed from cold-drawn material, unless purchaser permits machining. Unless otherwise specified, rivets shall be annealed by heating uniformly to 1900 F ± 10, holding at heat not more than 10 minutes and cooling in air.

5. TECHNICAL REQUIREMENTS:

5.1 Hardness: Rivets shall have hardness not higher than Dph (Vickers) 150 or equivalent, when determined on a flat surface.

5.2 Rivets shall be capable of being driven satisfactorily with a full head free from cracks.

6. QUALITY: Rivets shall be uniform in quality and condition, clean, sound, smooth, and free from foreign materials and from internal and external defects detrimental to their performance.

7. REPORTS: Unless otherwise specified, the vendor shall furnish with each shipment three copies of a notarized report of the results of tests for chemical composition of each lot in the shipment. This report shall include the purchase order number, material specification number, part number, size, and quantity.

8. PACKAGING:

8.1 Rivets of different part numbers shall be packed in separate containers.

8.2 Each container shall be marked to give the following information: