AEROSPACE MATERIAL SPECIFICATIONS

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AMS 7233B

Superseding AMS 7233A

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RIVETS, SOLID, 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: Solid rivets requiring corrosion resistance at temperatures up to 800 F (427 C), where ease of driving and full heads are essential. Rivets shall not be hand peened during driving.

3. COMPOSITION:

	min	max
Nickel + Cobalt	63.0	70.0
Cobalt (1)	--	1.0
Iron	--	2.5
Manganese	--	2.0
Ø Silicon	--	0.50
Carbon	--	0.16
Sulfur	--	0.024
Phosphorus (1)	--	0.02
Zinc (1)	--	0.02
Lead (1)	--	0.006
Tin (1)	--	0.006
Copper	remainder	

(1) Determination not required for routine acceptance.

4. CONDITION: Cold headed, unless purchaser permits machining, from cold drawn wire. Unless otherwise specified, rivets after forming shall be annealed, and descaled if necessary.

5. TECHNICAL REQUIREMENTS:

5.1 Shear Strength: The shank shall have shear strength not lower than 49,000 psi.

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

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 rivets conform 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.

8. PACKAGING:

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