

# AERONAUTICAL MATERIAL SPECIFICATIONS

## AMS 7228D

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

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### RIVETS, STEEL, CORROSION RESISTANT 18Cr - 8Ni

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

2. COMPOSITION:

		Check Analysis	
		Under	Min or Over Max
Carbon	0.12 max	--	0.01
Manganese	2.00 max	--	0.04
Silicon	1.00 max	--	0.05
Phosphorus	0.040 max	--	0.005
Sulfur	0.030 max	--	0.005
Chromium	17.00 min	0.20	--
Nickel	8.00 min	0.10	--

3. CONDITION: Cold headed, unless purchaser permits machining, from cold drawn wire.  
Ø Unless otherwise specified, rivets after forming shall be solution heat treated free from continuous carbide network, and descaled if necessary.

4. TECHNICAL REQUIREMENTS:

4.1 Heat Treatment: Solution heat treatment shall be done in a furnace atmosphere which will not cause surface hardening.

4.2 Hardness: Rivets shall have hardness not higher than Vickers 150 or equivalent, when determined on a flat, smooth, filed or ground surface near the midlength of the shank.

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

5. 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.

6. REPORTS: Unless otherwise specified, the vendor 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.  
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7. PACKAGING:

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

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