

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
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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 material. Unless otherwise specified, rivets shall be solution heat treated after forming.

4. TECHNICAL REQUIREMENTS:

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

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

5. 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.

6. REPORTS: Unless otherwise specified, the vendor shall furnish with each shipment three copies of a 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.

7. PACKAGING:

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

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