

AEROSPACE MATERIAL SPECIFICATION

Issued	NOV 1970
Noncurrent	JUL 1981
Cancelled	JUL 2000

Superseding AMS 5619

Steel Bars and Forgings, Corrosion Resistant
14Cr - 4.0 Mo (1.00 - 1.10C)

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1. ACKNOWLEDGMENT:

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

2. FORM:

Bars, wire, forgings, and forging stock.

3. APPLICATION:

Primarily for parts requiring resistance to both corrosion and wear with hardness retained during exposure to temperatures up to 600 F (316 C).

4. COMPOSITION:

	min	max
Carbon	1.00	1.10
Manganese	--	1.00
Silicon	--	1.00
Phosphorus	--	0.030
Sulfur	--	0.025
Chromium	13.00	15.00
Molybdenum	3.50	4.50
Nickel	--	0.75

4.1 Check Analysis:

Composition variations shall meet the requirements of the latest issue of AMS 2248.

5. CONDITION:

Unless otherwise ordered, the product shall be supplied in the following condition:

5.1 Bars:

Annealed, in a machinable condition, having hardness not higher than Brinell 255 or equivalent.

5.1.1 All hexagons and other bars 2.75 in. and under in diameter or distance between parallel sides shall be cold finished.