



Designation: F 1586 – 9502

Standard Specification for Wrought Nitrogen Strengthened- 21 Chromium—10 Nickel— 3 Manganese—2.5 Molybdenum Stainless Steel Alloy Bar for Surgical Implants (UNS S31675)¹

This standard is issued under the fixed designation F 1586; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers the chemical, mechanical, and metallurgical requirements for wrought nitrogen strengthened- 21 chromium—10 nickel—3 manganese—2.5 molybdenum stainless steel alloy bar for the manufacture of surgical implants.

1.2 The values stated in inch-pound units are to be regarded as the standard. The SI equivalents of the inch-pound units in parentheses are for information only; may be approximate.

2. Referenced Documents

2.1 ASTM Standards:

A 262 Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels²

¹ This specification is under the jurisdiction of ASTM Committee F-4 F04 on Medical and Surgical Materials and Devices is under the direct responsibility of Subcommittee F04.12 on Metallurgical Materials.

Current edition approved March 15, 1995; Jan. 10, 2002. Published February 2002. Originally published as F 1586 – 95. Last previous edition F 1586 – 95.