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1916 Race St., Philadelphia, Pa. 19103Reprinted from the Annual Book of ASTM Standards, Copyright ASTM  
If not listed in the current combined index, will appear in the next edition.**Standard Specification for  
STAINLESS STEEL SHEET AND STRIP FOR SURGICAL  
IMPLANTS<sup>1</sup>**

This standard is issued under the fixed designation F 56; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

**1. Scope**

1.1 This specification covers the requirements for two compositions of stainless steel sheet and strip used for the manufacture of surgical implants.

NOTE 1—Exposure to temperatures above 800°F (425°C) during fabrication may impair corrosion resistance unless such exposure is followed by a solution-annealing treatment.

1.2 The values stated in inch-pound units are to be regarded as the standard.

**2. Applicable Documents****2.1 ASTM Standards:**

A 262 Recommended Practices for Detecting Susceptibility in Intergranular Attack in Steel<sup>2</sup>

A 480 Specification for General Requirements for Delivery of Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip<sup>2</sup>

A 751 Methods, Practices, and Definitions for Chemical Analysis of Steel Products<sup>2</sup>

E 112 Estimating the Average Grain Size of Metals<sup>3</sup>

2.2 *American Society for Quality Control (ASQC) Standard:*

CI-1968 Specifications of General Requirements for a Quality Program<sup>4</sup>

**3. General Requirements for Delivery**

3.1 In addition to the requirements of this specification, all requirements of the current edition of Specification A 480 shall apply.

3.2 In the case where a conflict exists between this standard and those listed in 2.1 and 2.2, this standard shall take precedence.

**4. Ordering Information**

4.1 Inquiries and orders for material under this specification shall include the following information:

4.1.1 Quantity (weight or number of pieces),

4.1.2 Grade (1 or 2),

4.1.3 ASTM designation,

4.1.4 Form (sheet or strip),

4.1.5 Condition (see 5.1),

4.1.6 Mechanical properties (if applicable, for special conditions),

4.1.7 Finish (see 5.2),

4.1.8 Applicable dimensions including size, thickness, width, and length (exact, random, multiples) or print number, and

4.1.9 Special requirements.

**5. Manufacture**

5.1 *Condition*—Sheet and strip shall be furnished to the implant manufacturer, as specified, in the annealed or cold-worked condition (see Table 1).

5.2 *Finish*—Types of finish available in sheet and strip are dull cold-rolled, bright cold-rolled, intermediate polished, general-purpose polished, dull satin finish, high luster finish, mirror finish, or as specified in the implant manufacturer's purchase order.

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee F-4 on Medical and Surgical Materials and Devices and is the direct responsibility of Subcommittee F04.02 on Resources.

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<sup>2</sup> Annual Book of ASTM Standards, Part 3.

<sup>3</sup> Annual Book of ASTM Standards, Part 11.

<sup>4</sup> Available from American Society for Quality Control, 161 W. Wisconsin Ave., Milwaukee, Wis. 53203.