



Designation: F 2181 – 02a

Standard Specification for Wrought Seamless Stainless Steel Tubing for Surgical Implants¹

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1. Scope

1.1 This specification covers the requirements for three compositions of wrought seamless stainless steel tubing for the manufacture of surgical implants. Material shall conform to the applicable requirements of Specifications F 138, F 1314, or F 1586. This specification addresses those product variables that differentiate wrought seamless tubing from the bar and wire product forms covered in these specifications.

1.2 This specification applies to cold finished, straight length tubing from 0.125 to 1.315 in. (3.18 to 33.4 mm) nominal outside diameter (OD) and 0.018 in. (0.46 mm) and greater nominal wall thickness.

1.3 The values stated in inch-pound units are to be regarded as the standard. The SI units in parentheses are approximate.

1.4 The specifications in 2.1 will be referred to as the ASTM material standard(s) in the remainder of this specification.

2. Referenced Documents

2.1 *ASTM Material Standards:*

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

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