



Designation: F1667 – 17

Standard Specification for Driven Fasteners: Nails, Spikes, and Staples¹

This standard is issued under the fixed designation F1667; 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.

*This standard has been approved for use by agencies of the U.S. Department of Defense.
The Commercial and Government Entity (Cage) Code for ASTM: 81346.*

1. Scope*

1.1 This specification covers nails, spikes, staples, and other driven fasteners, as listed in [Table 1](#).

NOTE 1—Fastener ductility information is presented in [Table 2](#) and dimensional information in Tables 3–65.

1.2 Fasteners described in this specification are driven by hand tool, power tool, or mechanical device in single or multiple strikes and are positioned by hand, tool, or machine.

1.3 The values stated in inch-pound units are to be regarded as standard. No other units of measurement are included in this standard.

1.4 Fasteners in this specification are sold in bulk (loose) form and are collated for loading into the magazine of an application tool. Other than as covered in [Section 9](#), Workmanship, cohering materials (including, but not limited to, plastic, adhesive bond, paper tape, plastic strip, plastic carrier, wire, etc.) and relative orientation of collated fasteners are not within the scope of this standard.

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

¹ This specification is under the jurisdiction of ASTM Committee [F16](#) on Fasteners and is the direct responsibility of Subcommittee [F16.05](#) on Driven and Other Fasteners.

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2. Referenced Documents

2.1 ASTM Standards:²

[A153/A153M](#) Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware

[A510/A510M](#) Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel, and Alloy Steel

[A641/A641M](#) Specification for Zinc-Coated (Galvanized) Carbon Steel Wire

[B695](#) Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel

[C514](#) Specification for Nails for the Application of Gypsum Board³

[F547](#) Terminology of Nails for Use with Wood and Wood-Base Materials

[F592](#) Terminology of Collated and Cohered Fasteners and Their Application Tools (Withdrawn 2017)⁴

[F680](#) Test Methods for Nails

[F1575](#) Test Method for Determining Bending Yield Moment of Nails

3. Terminology

3.1 *Definitions*—The definitions used in this specification are those of common commercial acceptance and usage and also appear in Terminologies [F547](#) and [F592](#).

4. Classification

4.1 The fasteners and their [Table 1](#) classification are identified as follows:

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Additional material and dimensional tolerance for nails used in Gypsumboard are addressed in [C514](#).

⁴ The last approved version of this historical standard is referenced on www.astm.org.

*A Summary of Changes section appears at the end of this standard