



Standard Specification for Performance of Hasps and Other Attachment Devices for Padlocks or Seals¹

This standard is issued under the fixed designation F 2155; 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 describes and grades various levels of performance to provide users of the standard with criteria upon which to select suitable hasps and other attachment devices. No effort has been made to include criteria for specially made hasps used by the Department of Defense or other highly sensitive applications.

1.2 The tests described are laboratory tests, and although they simulate field conditions as to attacks, they do not duplicate these conditions. Tests described are repeatable in the laboratory.

1.3 Some users of this standard may wish to use hasps that have special attributes not related to security.

1.4 The values stated in SI units are to be regarded as the standard. The inch-pound units given in parentheses are provided for information only.

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 requirements prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*

F 883 Performance Specification for Padlocks²

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

3.1.1 *attachment device, n*—an item consisting of any number of members that act in combination with a padlock or seal to provide a locking security system.

3.1.2 *fixed hasp, n*—a combination of elements that, when aligned, provide holes through which a padlock shackle or seal may pass to secure the elements.

3.1.3 *hasp, n*—an attachment device having a hinged or fixed strap that engages a hasp staple to provide for the attachment of a padlock or seal.

3.1.4 *hasp staple, n*—an eye- or U-shaped element that is engaged by the slotted strap of a hasp and provides for the attachment of a padlock or seal.

3.1.5 *hasp staple pad, n*—a component of a hasp staple that provides a fastening medium for attachment of the hasp staple to the mounting surface.

3.1.6 *hasp strap, n*—a component of a hasp that engages a hasp staple.

3.1.7 *hasp strap pad, n*—a component of a hasp strap that provides a fastening medium for attachment of the hasp to the mounting surface.

3.1.8 *hinged hasp, n*—a hasp that includes a hasp strap, a hasp strap pad, a hasp staple, and a hasp staple pad in combination such that the hasp strap, when closed, engages the hasp staple, providing for the attachment of a padlock or seal to cause the assembly to be latched and locked or sealed into a secure system.

3.1.9 *latch, n*—an item consisting of any number of members that act in combination to fasten separate elements into a connected whole, and provides for the unfastening of this whole.

3.1.10 *latching attachment device, n*—an attachment device that includes a latching feature that permits the assembly to remain engaged without the use of a padlock or seal.

3.1.11 *latching hasp, n*—a hasp that includes a latching feature that permits the strap to remain engaged with the hasp staple without the use of a padlock or seal.

3.1.12 *rotating hasp staple, n*—a hasp staple that is free to turn in its pad, generally to provide a latching function by engaging the hasp strap, or to resist a torsional attack.

4. General Requirements

4.1 *Tolerances:*

4.1.1 *Fixture Tolerances*—All tolerances shall follow standard machining practices unless otherwise specified.

4.1.2 *Test Setup Tolerances:*

4.1.2.1 *Force*— ± 1 % of working range.

4.1.2.2 *Height*— ± 3 mm (0.12 in.).

4.1.2.3 *Torque*—4 % of reading.

4.1.2.4 *Weight*— ± 10 g (0.02 lb).

4.2 *Temperature*—All tests shall be conducted between 16°C and 27°C (61°F and 81°F).

¹ This specification is under the jurisdiction of ASTM Committee F12 on Security Systems and Equipment and is the direct responsibility of Subcommittee F12.50 on Locking Devices.

Current edition approved Dec. 12, 2001; Published March 2002.

² *Annual Book of ASTM Standards*, Vol. 15.08.