



Designation: F3226/F3226M – 16^{ε1}

Standard Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems¹

This standard is issued under the fixed designation F3226/F3226M; 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.

^{ε1} NOTE—Editorial corrections were made throughout in April 2017.

1. Scope

1.1 This specification establishes the performance characteristics required for Metallic Press-Connect Fittings for use in piping and tubing systems with a maximum allowable working pressure of three-hundred pounds per square inch (300 psi). These fittings directly attach to pipe or tube by mechanical deformation of the pipe or tube or fitting, or a combination thereof, creating a seal and a restrained joint. The seal may be created via the mechanical deformation (of the pipe, tube or fitting) or created independently. Successful completion of the tests described herein constitutes completion of the technical portion of the qualification process.

1.2 The tests specified are applicable only to ascertain the performance characteristics. These tests are not intended for use in the evaluation of non-Press-Connect Fittings.

1.3 Refer to IACS UR P2.7.4, Table-7 for Metallic Press-Connect Fittings applications.

1.4 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the 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 F25 on Ships and Marine Technology and is the direct responsibility of Subcommittee F25.11 on Machinery and Piping Systems.

Current edition approved Dec. 15, 2016. Published March 2017. DOI: 10.1520/F3226_F3226M-16.

2. Referenced Documents

2.1 ASTM Standards:²

- A53/A53M Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
- A135/A135M Specification for Electric-Resistance-Welded Steel Pipe
- A262 Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels
- A269 Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service
- A276 Specification for Stainless Steel Bars and Shapes
- A312/A312M Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes
- A795/A795M Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use
- B16/B16M Specification for Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines
- B62 Specification for Composition Bronze or Ounce Metal Castings
- B75 Specification for Seamless Copper Tube
- B88 Specification for Seamless Copper Water Tube
- B124/B124M Specification for Copper and Copper Alloy Forging Rod, Bar, and Shapes
- B140/B140M Specification for Copper-Zinc-Lead (Red Brass or Hardware Bronze) Rod, Bar, and Shapes
- B283 Specification for Copper and Copper-Alloy Die Forgings (Hot-Pressed)
- B371/B371M Specification for Copper-Zinc-Silicon Alloy Rod
- B466/B466M Specification for Seamless Copper-Nickel Pipe and Tube
- B467 Specification for Welded Copper-Nickel Pipe
- B584 Specification for Copper Alloy Sand Castings for General Applications
- B858 Test Method for Ammonia Vapor Test for Determining

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.