



Standard Specification for Lap Joint Flange Pipe End Applications¹

This standard is issued under the fixed designation F2015; 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 covers the pipe material and wall thickness applicable to lap joint flange pipe ends, manufactured by a mechanical forming process.

1.2 The lap joint flange connection has been widely used for low-pressure systems in the marine, process piping, and similar industries.

1.3 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

2. Referenced Documents

2.1 ASTM Standards:²

A53/A53M Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless

A106/A106M Specification for Seamless Carbon Steel Pipe for High-Temperature Service

A135 Specification for Electric-Resistance-Welded Steel Pipe

A139/A139M Specification for Electric-Fusion (Arc)-Welded Steel Pipe (NPS 4 and Over)

A161 Specification for Seamless Low-Carbon and Carbon-Molybdenum Steel Still Tubes for Refinery (Withdrawn 1999)³

A178/A178M Specification for Electric-Resistance-Welded Carbon Steel and Carbon-Manganese Steel Boiler and Superheater Tubes

A199/A199M Specification for Seamless Cold-Drawn Intermediate Alloy-Steel Heat-Exchanger and Condenser Tubes (Withdrawn 1995)³

A200 Specification for Seamless Intermediate Alloy-Steel Still Tubes for Refinery Service (Withdrawn 1999)³

A209/A209M Specification for Seamless Carbon-Molybdenum Alloy-Steel Boiler and Superheater Tubes

A210/A210M Specification for Seamless Medium-Carbon Steel Boiler and Superheater Tubes

A250/A250M Specification for Electric-Resistance-Welded Ferritic Alloy-Steel Boiler and Superheater Tubes

A252 Specification for Welded and Seamless Steel Pipe Piles

A312/A312M Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes

A333/A333M Specification for Seamless and Welded Steel Pipe for Low-Temperature Service and Other Applications with Required Notch Toughness

A334/A334M Specification for Seamless and Welded Carbon and Alloy-Steel Tubes for Low-Temperature Service

A500 Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes

A512 Specification for Cold-Drawn Buttweld Carbon Steel Mechanical Tubing

A519 Specification for Seamless Carbon and Alloy Steel Mechanical Tubing

A587 Specification for Electric-Resistance-Welded Low-Carbon Steel Pipe for the Chemical Industry

A589 Specification for Seamless and Welded Carbon Steel Water-Well Pipe

A672 Specification for Electric-Fusion-Welded Steel Pipe for High-Pressure Service at Moderate Temperatures

B42 Specification for Seamless Copper Pipe, Standard Sizes

B88 Specification for Seamless Copper Water Tube

B88M Specification for Seamless Copper Water Tube (Metric)

B280 Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service

B337 Specification for Seamless and Welded Titanium and Titanium Alloy Pipe (Withdrawn 1997)³

B338 Specification for Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers

B466/B466M Specification for Seamless Copper-Nickel Pipe and Tube

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 May 1, 2013. Published May 2013. Originally approved in 2000. Last previous edition approved in 2006 as F2015 – 00 (2006). DOI: 10.1520/F2015-00R13.

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