ANSI/MSS SP-114-2018

Corrosion Resistant Pipe Fittings, Threaded and Socket-Welding, Class 150 and 1000

Standard Practice
Developed and Approved by the
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U.S. customary units in this Standard Practice are the standard. Combining or converting values between the two systems may result in non-conformance with this Standard Practice.

This Standard Practice has been substantially revised from the previous 2007 edition. It is suggested that if the user is interested in knowing what changes have been made, that direct page by page comparison should be made of this document and that of the previous edition.

Non-toleranced dimensions in this Standard Practice are nominal unless otherwise specified.

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FOREWORD

This document established a standard for corrosion resistant pipe fittings, threaded and socket-welding. Class 150 and Class 1000, produced for a number of years by various manufacturers to somewhat different dimensions although basically similar in principle.

These fittings were originally developed for use in the paper, food, pharmaceutical, distillery, sanitary, chemical, petro-chemical, and other corrosive and high temperature industry environments. The original design of these fittings was based on the dimensions of ASME B16.3, Malleable Iron Threaded Fittings.

This Standard Practice, originally approved May 1995, was revised in 2001 to include Class 150 and Class 1000 square head plugs, hex head plugs and bushings, locknuts, and threaded and socket-welding unions.

This 2018 edition contains revisions based on (1) MSS C-108 review, and (2) comments and recommendations received during the original 2011 ANSI/MSS Consensus Committee approval process. In particular, the committee approved the inclusion of hexagonal nipples, weld spuds, and union laying length dimensions in this 2018 revision, along with revised drawings, updated data where applicable, and various editorial changes.

In 2018, this revised MSS Standard Practice was subsequently ANSI-approved as a revised American National Standard. This process involved an ANSI/MSS Consensus Committee that was composed of a diverse volunteer group of industry stakeholders with a material interest in the topic of this Standard Practice.

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ANSI/MSS SP-55	***Quality Standard for Steel Castings for Valves, Flanges, Fittings, and Other Piping Components – Visual Method for Evaluation of Surface Irregularities***
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ANSI/MSS SP-96	***Terminology for Valves, Fittings, and Their Related Components***
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The Manufacturers Standardization Society (MSS) of the Valve and Fittings Industry is a non-profit technical association organized for development and improvement of industry, national and international codes and standards for Valves, Valve Actuators, Valve Modifications, Pipe Fittings, Flanges, Pipe Hangers and Supports, and Associated Seals. Since its establishment in 1924, MSS has been dedicated to developing standards for national and global applications, in cooperation with other standardizing bodies and regulatory authorities. **MSS is an American National Standards Institute (ANSI)-accredited standards developer.**

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