



# Pipe Hangers and Supports

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## Materials, Design, Manufacture, Selection, Application, and Installation

**Standard Practice**  
Developed and Approved by the  
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**This Standard Practice has been revised from the previous 2009 edition. It is suggested that if the user is interested in knowing what changes have been made, that a direct page by page comparison should be made of this document and that of the previous edition.**

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## FOREWORD

This Standard Practice was developed by a cooperative effort of representatives of pipe hanger manufacturers. It is based on “best practice” current at this time and on the collective experience of the industry. There is a companion Standard Practice, MSS SP-127, which relates to the design, selection, and application of bracing for piping systems subject to seismic, wind, and dynamic loading.

The 2009 edition of SP-58 was originally ANSI-approved and published in 2011 as an American National Standard. Since 2009, the SP-58 Standard Practice has integrated the content of the original SP-58, along with the final editions of SP-69, SP-77, SP-89, and SP-90 to create a comprehensive single-source document that enables the user to specify a minimum level of acceptance for pipe hanger and support design and performance, in addition to defining the types of hangers and supports.

This 2018 revision of ANSI/MSS-SP-58 contains several editorial and formatting changes, new inclusions, and updates based on the prior ANSI canvas committee comments and subsequent proposals brought forward to the committee. New materials and allowable stresses have been added. Allowable stress has been updated for metal framing channel to maintain consistency with the general safety factor stated within the Standard Practice. Post-weld heat treatments have been updated to remain in compliance with ASME B31.1. Revisions have been made to the insulated piping and protection shield sections. For the first time, rooftop supports are addressed in the document. The type chart has been updated to current standard products and enlarged for readability. The information within Table 4 has also been expanded, and the references in Annex C have been updated.

### Notice:

This revised ANSI/MSS SP-58-2018 comprehensive edition continues to integrate the content of five MSS Standard Practices, including ANSI/MSS SP-69-2003, into a single source document that enables the user to specify a minimum level of acceptance for pipe hanger and support design and performance, in addition to defining the types of hangers and supports. The aforementioned ANSI/MSS SP-69 was withdrawn in 2014, and SP-77, SP-89, and SP-90 were withdrawn in 2010. The standard ANSI/MSS SP-58-2009, and subsequently revised editions, shall be officially utilized and referenced in place of ANSI/MSS SP-69.

Note that all previous Standard Practices mentioned will remain available from MSS as historical documents.

*In Memory of:*  
Harold Erikson  
1923 – 2016

*Fifty-eight years of dedicated service as a member of MSS Committee 403.  
He served as a mentor and inspiration to all within the industry.*

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