ASME B18.31.3-2014
(Revision of ASME B18.31.3-2009)

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Threaded Rods (Inch Series)

AN AMERICAN NATIONAL STANDARD

The American Society of Mechanical Engineers

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The American Society of Mechanical Engineers
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FOREWORD

There was significant interest in developing this Standard due to the antidumping investigation by the U.S. Department of Commerce and the U.S. International Trade Commission that was happening simultaneously. The investigation resulted in antidumping tariffs being applied to a significant portion of threaded rod that is used in the United States. Members of the subcommittee recognized that there would be a lot of new threaded rod manufacturers appearing in the market and that the industry needed a standard to reference on purchasing documents. The Fastener Industry Education Group cites referencing standards as one of the most important criteria for preventing poor quality or wrong product from entering the supply chain.

The first edition of this Standard was approved as an American National Standard on November 10, 2009.

This revision incorporates the following technical changes. For quality assurance, ASME B18.18 replaces the superseded ASME B18.18.2. Additional materials for threaded rod have been added and provision is made to allow users to order materials not specifically covered. Stainless steel is used to identify corrosion-resistant steel fasteners previously identified as CRES. ASTM F1554, Grade 105 that is increasingly replacing ASTM A449 has been added. ASTM A354 and SAE J429, Grade 8 covering higher-strength steels were added. Hot-dip zinc coating in accordance with ASTM F2329 was added as a finish choice. A statement has been added that tensile and yield tests can be conducted on specimens of 3 nominal diameters or greater in length as some of the referenced material specifications may require testing of full length specimens. Table 1 was added to show the nominal sizes (diameters) for inch-size rods with UNC, UNF, 8UN, and Acme thread configurations.

This revision was approved by the American National Standards Institute on November 10, 2014.