

**ASME B18.5.2.1M-2006**  
[Revision of ASME B18.5.2.1M-1996 (R2003)]

# **Metric Round Head Short Square Neck Bolts**

**AN AMERICAN NATIONAL STANDARD**



**The American Society of  
Mechanical Engineers**

Three Park Avenue • New York, NY 10016

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# FOREWORD

ASME Standards Committee B18 for the Standardization of Bolts, Nuts, Rivets, Screws, Washers, and Similar Fasteners (formerly American National Standards Committee B18), was originated in March 1922 as Sectional Committee B18 under the aegis of the American Engineering Standards Committee (later the American Standards Association, the United States of America Standards Institute, and, as of October 6, 1969, the American National Standards Institute, Inc.) with the Society of Automotive Engineers and the American Society of Mechanical Engineers as joint sponsors. Subcommittees 2, 5, and 6 (later redesignated Subcommittee 9) were subsequently established and charged with the responsibilities for the technical content of standards for: external drive bolts and nuts, round unslotted head bolts, and plow bolts and nuts, round unslotted head bolts, and plow bolts, respectively. Subcommittee 9 was merged into Subcommittee 5 in 1977.

In October 1978, drafting of this Standard was started. The draft was circulated for letter ballot of Subcommittee 5 and Committee B18 on March 27, 1980. Following approval by Subcommittee 5 and Committee B18, this Standard was approved by the secretariat and submitted to the American National Standards Institute for designation as an American National Standard. This was granted on August 14, 1981.

In December 1986, ASME Committee B18 agreed to combine Subcommittee 5 into Subcommittee 2, since the products addressed by the two Subcommittees were quite similar. Committee B18 further agreed the designations of the Subcommittee 2 and 5 documents not be changed, since such changes would adversely affect current references to these Standards.

Following approval by Subcommittee 2 and Committee B18, the 1996 edition was approved by the secretariat and submitted to the American National Standards Institute for approval as an American National Standard. This was granted on March 8, 1996.

This revision, ASME B18.5.2.1M-2006, was approved by the American National Standards Institute on August 4, 2006.

# ASME B18 COMMITTEE

## Standardization of Bolts, Nuts, Rivets, Screws, Washers, and Similar Fasteners

(The following is the roster of the Committee at the time of approval of this Standard.)

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Subject: Cite the applicable paragraph number(s) and the topic of the inquiry.  
Edition: Cite the applicable edition of the Standard for which the interpretation is being requested.  
Question: Phrase the question as a request for an interpretation of a specific requirement suitable for general understanding and use, not as a request for an approval of a proprietary design or situation. The inquirer may also include any plans or drawings, which are necessary to explain the question; however, they should not contain proprietary names or information.

Requests that are not in this format may be rewritten in the appropriate format by the Committee prior to being answered, which may inadvertently change the intent of the original request.

ASME procedures provide for reconsideration of any interpretation when or if additional information that might affect an interpretation is available. Further, persons aggrieved by an interpretation may appeal to the cognizant ASME Committee or Subcommittee. ASME does not "approve," "certify," "rate," or "endorse" any item, construction, proprietary device, or activity.

**Attending Committee Meetings.** The B18 Standards Committee regularly holds meetings, which are open to the public. Persons wishing to attend any meeting should contact the Secretary of the B18 Standards Committee.

## CORRESPONDENCE WITH THE B18 COMMITTEE

**General.** ASME Standards are developed and maintained with the intent to represent the consensus of concerned interests. As such, users of this Standard may interact with the Committee by requesting interpretations, proposing revisions, and attending Committee meetings. Correspondence should be addressed to:

Secretary, B18 Standards Committee  
The American Society of Mechanical Engineers  
Three Park Avenue  
New York, NY 10016-5990

**Proposing Revisions.** Revisions are made periodically to the Standard to incorporate changes that appear necessary or desirable, as demonstrated by the experience gained from the application of the Standard. Approved revisions will be published periodically.

The Committee welcomes proposals for revisions to this Standard. Such proposals should be as specific as possible, citing the paragraph number(s), the proposed wording, and a detailed description of the reasons for the proposal, including any pertinent documentation.

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