AMERICAN NATIONAL STANDARD

Metric Hex Lag Screws

ANSI B18.2.3.8M - 1981

(REVISION OF ANSI B18,2,3,8M-1979)

Government Key Words: Screw, Lag, Hex Head — Metric

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SECRETARIAT

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FOREWORD

American National Standards Committee B18 for the standardization of bolts, screws, nuts, rivets and similar fasteners was organized in March 1922, as Sectional Committee B18 under the aegis of the American Engineering Standards Committee (later the American Standards Association, then the United States of American 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. Subcommittee 2 was subsequently established and charged with the responsibility for technical content of standards covering wrench head bolts and nuts.

At its meeting on December 4, 1974, Committee B18 authorized preparation of a series of standards for metric fasteners. Subcommittee 2 was assigned responsibility for developing standards for metric hex bolts, screws and nuts.

At a meeting on September 22, 1976, Subcommittee 2 organized the contents of a standard covering eight different hex head screw and bolt products. Actual drafting was postponed until ISO/TC2 could reach final decisions relating to basic dimensions and characteristics of hex bolts, screws and nuts. At ISO/TC2 meetings held in April 1977, final actions were taken. Committee B18 affirmed the TC2 decisions at a meeting on June 29, 1977 and drafting of this standard was started.

In February 1978, Committee B18 established a cooperative program with the Department of Defense to draft American National Standards for metric fasteners in such a way that they could be used directly by the Government for procurement purposes. The Department of Defense requested that each of the eight products be covered in separate standards, and Subcommittee 2 accepted this approach at its meeting on June 27, 1978.

This standard was approved by letter ballot of Committee B18 on September 15, 1978, and was subsequently approved by the secretariat and submitted to the American National Standards Institute for designation as an American National Standard. This was granted on May 17, 1979.

At its meeting on October 22, 1980, Subcommittee 2 approved two technical revisions to the 1979 issue. The 14 mm screw size was discontinued and thread dimensions were modified to improve lag screw performance and to economize production tooling. This revised standard was approved by letter ballot of Committee B18 on November 25, 1980, and was approved by the secretariat and submitted to the American National Standards Institute which granted it recognition as an American National Standard on June 16, 1981.

AMERICAN NATIONAL STANDARDS COMMITTEE B18 Standardization of Bolts, Nuts, Rivets, Screws, Washers, and Similar Fasteners

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