The American Society of Mechanical Engineers

AN AMERICAN NATIONAL STANDARD

STEEL BUSHED ROLLERLESS CHAINS, ATTACHMENTS, AND SPROCKET TEETH

ASME B29.12M-1997
[Revision of ANSI/ASME B29.12M-1983 (R1988)]

REAFFIRMED 2018

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This Standard will be revised when the Society approves the issuance of a new edition. There will be no addenda or written interpretations of the requirements of this Standard issued to this Edition.

The American Society of Mechanical Engineers
345 East 47th Street, New York, NY 10017

FOREWORD

(This Foreword is not part of ASME B29.12M-1997.)

Chains of the type covered by this Standard were introduced early in the 20th century. The chains met with considerable success on material conveyors and elevators, and manufacturers developed and marketed many sizes and types in the next several years.

The American Sprocket Chain Manufacturers Association (now the American Chain Association) recognized the need for standards which would provide for interchangeability by intercoupling chains of various manufacture. In November 1960, a working group of producers of the bushed rollerless chains was formed to accomplish standardization. This Standard is the result of the work of that group.

This Standard was presented to the USA (now ANSI) Standards Committee B29 on December 12, 1967, and, upon approval by the USA Standards Institute (now American National Standards Institute, Inc.), on October 18, 1968, was adopted and published. The 1974 revision included minor changes in metric units and the addition of caution notes to Table 1.

To facilitate the use of this Standard in the international market, the metric equivalents of all dimensions are given.

The current revision includes the addition of chain numbers S-856, S-857, S-859, and S-864 and attachments K-24, K-3, K-35, K-44, and K-443 for these chains. Also added is minimum bolt hole diameter required for the bolt diameter for a particular attachment. The Minimum Ultimate Tensile Strength definition (para. 2.1) has also been modified.

This revision was approved by the American National Standards Institute, Inc., on March 25, 1997.

ASME STANDARDS COMMITTEE B29

Chains, Attachments, and Sprockets for Power Transmission and Conveying

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

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