

ANSI/ITSDF B56.11.4-2005
(Reaffirmation of ASME B56.11.4-1992)

Hook-Type Forks And Fork Carriers For Powered Industrial Forklift Trucks

AN AMERICAN NATIONAL STANDARD

INDUSTRIAL TRUCK STANDARDS DEVELOPMENT FOUNDATION

A N A M E R I C A N N A T I O N A L S T A N D A R D

HOOK-TYPE FORKS AND FORK CARRIERS FOR POWERED INDUSTRIAL FORKLIFT TRUCKS

ITSDF B56.11.4-2005
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Date of Issuance: April 30, 1 9 9 2

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FOREWORD

(This foreword is not part of ITSDF B56.11.4-2005)

This Standard is a revision and redesignation of ANSI MH11.1.4-1973, which had been developed by the American National Standard by the American National Standards Committee MH11, Hand- or Power-Operated Handling Trucks. In December 1982, the activities of the MH11 Committee were incorporated into the scope of the ASME B56 Committee, with the MH11 Committee becoming the B56.11 Subcommittee. As a result of this consolidation, the title of the B56 Committee was changed to Committee on Powered and Nonpowered Industrial Trucks. All MH11 Standards, when revised, are to be redesignated as B56.11 Standards.

The first edition of B56.11.4 was approved by the B56 Committee, by ASME, and, after public review, by the American National Standards Institute, on February 8, 1985.

The first revision of B56.11.4-1985 was approved by the B56 Committee, by ASME, and, after public review, by the American National Standards Institute on October 18, 1988.

The second revision to B56.11.4-1995 was approved by the B56 Committee, by ASME, and, after public review, by the American National Standards Institute on January 13, 1992.

This Standard shall become effective 1 year after its respective Date of Issuance. Part III applies only to trucks manufactured after the effective date.

Safety codes and standards are intended to enhance public health and safety. Revisions result from committee consideration of factors such as technological advances, new data, and changing environmental and industry needs. Revisions do not imply that previous editions were inadequate.

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Powered and Nonpowered Industrial Trucks

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ITSDF B56.11.4-2005 SUMMARY OF CHANGES

Following reaffirmation by the ITSDF B56 Committee and after public review, ITSDF B56.11.4 was approved as a reaffirmation of ASME B56.11.4-1992 and 1994 addenda by the American National Standards Institute on September 1, 2005.

SPECIAL NOTE

The Interpretations to ITSDF B56.11.4 are included at the end of this edition as a separate section for the user's convenience. The interpretations are not part of this edition or of the standard itself.

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POWERED AND NONPOWERED INDUSTRIAL TRUCKS

General

This Standard is one of a series that have been formulated with the Industrial Truck Standards Developing Foundation as Sponsor in accordance with the Accredited Organization method, the procedures accredited by the American National Standards Institute, Inc., and the following scope.

Establishment of the safety requirements relating to the elements of design, operation, and maintenance; standardization relating to principal dimensions to facilitate interchangeability, test methods, and test procedures of powered and nonpowered industrial trucks (not including vehicles intended primarily for earth moving or over-the-road hauling); and maintenance of liaison with the International Organization for Standardization (ISO) in all matters pertaining to powered and nonpowered industrial trucks.

One purpose of the Standard is to serve as a guide to governmental authorities having jurisdiction over subjects within the scope of the Standard. It is expected, however, that the Standard will find a major application in industry, serving as a guide to manufacturers, purchasers, and users of the equipment.

For convenience, Standards for Powered and Nonpowered Industrial Trucks has been divided into separate volumes:

Safety Standards

- B56.1 Low Lift and High Lift Trucks
- B56.5 Guided Industrial Vehicles and Automated Functions of Manned Industrial Vehicles
- B56.6 Rough Terrain Forklift Trucks
- B56.7 Industrial Crane Trucks
- B56.8 Personnel and Burden Carriers
- B56.9 Operator Controlled Industrial Tow Trucks
- B56.10 Manually Propelled High Lift Industrial Trucks

Standardization Standards

- B56.11.1 Double Race or Bi-Level Swivel and Rigid Industrial Casters

- B56.11.3 Load Handling Symbols for Powered Industrial Trucks
- B56.11.4 Hook-Type Forks and Fork Carriers for Powered Industrial Forklift Trucks
- B56.11.5 Measurement of Sound Emitted by Low Lift, High Lift, and Rough Terrain Powered Industrial Trucks
- B56.11.6 Evaluation of Visibility From Powered Industrial Trucks
- B56.11.7 Liquefied Petroleum Gas (LPG) Fuel Cylinders (Horizontal or Vertical) Mounting — Liquid Withdrawal — for Powered Industrial Trucks

Safety standards that were previously listed as B56 volumes but now have different identification due to a change in standards development assignments are as follows.

- NFPA 505 Fire Safety Standard for Powered Industrial Trucks — Type Designations, Areas of Use, Maintenance and Operation (formerly B56.2)
- UL 583 Standard for Safety for Electric-Battery-Powered Industrial Trucks (formerly B56.3)
- UL 558 Standard for Safety for Internal Combustion Engine-Powered Industrial Trucks (formerly B56.4)

If adopted for governmental use, the references to other national codes and standards in the specific volumes may be changed to refer to the corresponding governmental regulations.

The use of powered and nonpowered industrial trucks is subject to certain hazards that cannot be completely eliminated by mechanical means, but the risks can be minimized by the exercise of intelligence, care, and common sense. It is therefore essential to have competent and careful operators, physically and mentally fit, and thoroughly trained in the safe operation of the equipment and the handling of the loads. Serious hazards are overloading, instability of the load, obstruction to the free passage of the load, collision with objects or pedestrians, poor maintenance, and use of equipment for a purpose for which it was not intended or designed.