

ANSI B65-3:2011
(ISO 12643-3:2010, MOD)
Revision of ANSI B65.2-2005

AMERICAN NATIONAL STANDARD

Graphic technology — Safety requirements for graphic technology equipment and systems —

Part 3:

Binding and finishing equipment and systems

SECRETARIAT
NPES THE ASSOCIATION FOR SUPPLIERS OF PRINTING, PUBLISHING
AND CONVERTING TECHNOLOGIES

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Foreword

B65-3 is a revision and redesignation of B65.2-2005, *Graphic technology — Safety requirements for binding and finishing systems and equipment*. It is a modified national adoption of ISO 12643-3:2010, *Graphic technology — Safety requirements for graphic technology equipment and systems — Part 3: Binding and finishing equipment and systems*. The purpose of this adoption is to harmonize this ANSI standard with international standards to facilitate international trade while adhering to U.S. safety regulations.

The B65 Committee was accredited by the American National Standards Institute in 1983 to develop safety standards for the printing and publishing industry.

The B65 Committee recommends the voluntary adoption and use of this standard by the printing industry and its suppliers. It is hoped that individual companies will not only use it in the purchase of new equipment, but will also apply the requirements of this standard during any major change or alternation of existing equipment.

It is recommended that this standard, or applicable parts of it, be referenced in purchase orders for equipment, when appropriate, thus making its provisions a part of the purchase contract.

It is also recommended that this standard be a part of the total safety program in the workplace. Application of this standard will promote safety, and management at all levels is urged to recommend its implementation.

Requests for interpretation must be sent in writing to the B65 Secretariat. This request will be forwarded to the appropriate committee, which will review the request in accordance with the B65 Committee Procedures for Interpretations and will provide a written response. A statement, written or oral, that is not processed in accordance with the procedures noted above will not be considered the official position of the B65 Committee, and should not be relied upon as a Formal Interpretation.

Suggestions for improving this standard are welcome. They should be sent to the B65 Secretariat, NPES The Association for Suppliers of Printing, Publishing and Converting Technologies, 1899 Preston White Drive, Reston, VA 20191-4367.

This standard was prepared by B65 Subcommittee 2 (Bindery System Safety) and was processed and approved for submittal to ANSI by the members of the subcommittee. Committee approval of the standard does not necessarily imply that all committee members voted for its approval.

Areas in which this standard differs technically from ISO 12643-3:2010 are identified in Annex S. Other editorial changes have been made that do not affect the technical content of the standard.

It is the intent of B65 SC2 that both B65.2-2005 and this version of B65-3 be applicable through December 31, 2012. B65.2-2005 is thus provisionally retained until that date. As from January 1, 2013, B65-3:2011 will cancel and replace B65.2:2005. Accordingly, as from January 1, 2013, only B65-3:2011 will be applicable to new equipment manufactured.

Introduction

During the development of this B65 Standard an effort was made to harmonize the requirements of ISO 12643-3:2010, with the requirements of the comparable B65 standard. Therefore, this version of B65-3 is a national adoption of ISO 12643-3:2010, modified with **specific requirements for the U.S., which are noted throughout this document and are listed in Annex S**. Such requirements may be an addition to, or a deviation from, the requirements of ISO 12643-3. In addition to the modifications of ISO 12643-3 shown in Annex S, other editorial changes have been made to the standard in accordance with the formatting requirements of an ANSI standard. Such editorial changes have no impact on the requirements of this standard.

During the development of ISO 12643-3, existing relevant standards of other countries were taken into consideration. An effort has been made to take into consideration the requirements of many countries, recognizing that national standards or laws may dictate national requirements. In cases where it was known that there is a national requirement that differs from this part of ISO 12643, that has been noted.

This part of ISO 12643 was developed to harmonize the following U.S. and European safety standards:

- ANSI B65.2, Graphic technology — Safety requirements for binding and finishing systems and equipment;
- ANSI B65.3, Safety standard — Guillotine paper cutters, mill trimmers and integral handling equipment;
- ANSI B65.4, Safety standard — Three-knife trimmers including rotary, and single- and multiple-knife trimmers;
- EN 1010-1, Safety of machinery — Safety requirements for the design and construction of printing and paper converting machines — Part 1: Common requirements;
- EN 1010-3, Safety of machinery — Safety requirements for the design and construction of printing and paper converting machines — Part 3: Cutting machines;
- EN 1010-4, Safety of machinery — Safety requirements for the design and construction of printing and paper converting machines — Part 4: Bookbinding, paper converting and finishing machines.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. Neither ISO, ANSI nor NPES shall not be held responsible for identifying any or all such patent rights.

This is a preview of "ANSI B65-3-2011". [Click here to purchase the full version from the ANSI store.](#)

Graphic technology — Safety requirements for graphic technology equipment and systems —

Part 3: Binding and finishing equipment and systems

1 Scope

This standard provides safety requirements specific to binding and finishing equipment and systems. It is intended to be used in conjunction with the general requirements given in B65-1.

This standard provides additional safety requirements for the design and construction of new equipment used to convert printed or blank substrates into cut, folded, collated, assembled, bound, or otherwise finished product. It can also be applicable to processes for preparing substrate for the printing process.

It is applicable to a wide range of equipment used in the binding and finishing process.

2 Normative references

See S.1 for changes in, or additions to, normative references.

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 12643-1, *Graphic technology — Safety requirements for graphic technology equipment and systems — Part 1: General requirements*

ISO 13732-1, *Ergonomics of the thermal environment — Methods for the assessment of human responses to contact with surfaces — Part 1: Hot surfaces*

ISO 13849-1, *Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design*

ISO 13857, *Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs*

ISO 14119, *Safety of machinery — Interlocking devices associated with guards — Principles for design and selection*

ISO 14120, *Safety of machinery — Guards — General requirements for the design and construction of fixed and movable guards*

ISO 14123-1, *Safety of machinery — Reduction of risks to health from hazardous substances emitted by machinery — Part 1: Principles and specifications for machinery manufacturers*

ISO 14123-2, *Safety of machinery — Reduction of risks to health from hazardous substances emitted by machinery — Part 2: Methodology leading to verification procedures*

IEC 62061, *Safety of machinery — Functional safety of safety-related electrical, electronic and programmable electronic control systems*

EN 1539, *Dryers and ovens in which flammable substances are released — Safety requirements*