B65/NAPIM 177.1-2007 (Reaffirmed 2011)

AMERICAN NATIONAL STANDARD

Safety standard — Three-roll printing ink mills

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

APPROVED DECEMBER 14, 2011 AMERICAN NATIONAL STANDARDS INSTITUTE, INC.

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Foreword

This is a revision of ANSI B177.1-1997, *American National Standard for Three-Roller Printing Ink Mills — Safety Requirements*, developed under the administration of the National Association of Printing Ink Manufacturers (NAPIM). Responsibility for this standard has since been transferred to the ANSI-accredited B65 Committee, under the administration of NPES The Association for Suppliers of Printing, Publishing and Converting Technologies. The revision of this standard is being conducted under the B65 Committee, with assistance from NAPIM.

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, Virginia 20191.

This standard was prepared by B65 Subcommittee 6 (Ink-Making Equipment Safety) and was processed and approved for submittal to ANSI by the members of B65 SC6. Committee approval of the standard does not necessarily imply that all committee members voted for its approval.

At the time it approved this standard, B65 SC6 had the following personnel:

Chairman – Bill MacDermott Vice Chairman – George Fuchs Secretary – Mary Abbott

Voting Member	Representatives	Voting Member	Representatives
A.J. Daw Printing Ink Company	Mark Daw, Rex Tamm	INX International	Jim Bailen, Joseph
Braden Sutphin Ink Company	Bill MacDermott		Cichon, Kevin Facklam,
Buhler Inc.	Rene Eisenring, Peter Tribelhorn		Clyde Roe
Colorcon Inc.	Gerald Napiecek	Keith Machinery Corporation	Jon Hatz
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Flint Group	David Currier	Ink Manufacturers	
Goss International	Kaz Darzinskis	QuadTech	Ron Borowski
Individual Expert	Neal Growney	US Ink	Paul Dudley

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Introduction

The purpose of this standard is to provide standardized guidance, advice and recommendations to both equipment designers, equipment operators (referred to in this standard as authorized persons), and equipment owners aimed at reducing the risk of injury to personnel during the operation of three-roll printing ink mills.

The information contained in this document is intended to be used in conjunction with the development, implementation and maintenance of process specific/in-house safe operating procedures, safety training, inspection and maintenance programs and other accepted means of minimizing hazards associated with the operation of three-roll printing ink mills.

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Safety standard — Three-roll printing ink mills

1 Scope

The requirements of this standard apply to all three-roll mills used in the printing ink manufacturing industry. The purpose of this standard is to establish safety requirements with respect to safety controls, operating procedures and design of three-roll mills.

2 Effective date

The effective date of this standard shall be 1 year after its approval date as an American National Standard.

3 Existing equipment

Within 5 years of the approval date of this standard, all existing three-roll mills shall be brought into compliance with this standard, unless otherwise noted in this standard.

Exception: If existing equipment changes both ownership and location, it shall comply with the provisions of this standard before the equipment is placed into service.

4 Rebuilt equipment

When existing three-roll mills are rebuilt, the owner of the three-roll mill shall bring the machinery into compliance with this standard.

5 Normative references

The following normative documents contain provisions that, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below.

ANSI/NFPA 70, National Electrical Code

ANSI/NFPA 79, Electrical Standard for Industrial Machinery

ANSI Z535.4, Product Safety Signs and Labels

IEC 60204-1, Safety of machinery — Electrical equipment of industrial machines — Part 1: General requirements

ISO 12100-2, Safety of machinery — Basic concepts, general principles for design — Part 2: Technical principles

OSHA 1910.23(c)(1), Guarding floor and wall openings and holes

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