

American National Standard



ENVIRONMENTAL INDUSTRY A S S O C I A T I O N S

*for Equipment Technology and
Operations for Wastes and
Recyclable Materials –*

***Baling Equipment –
Safety Requirements for Installation,
Maintenance and Operation***



WASTE EQUIPMENT TECHNOLOGY ASSOCIATION
A PART OF THE
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ANSI Z245.5 - 2004

American National Standard
for Equipment Technology and Operations
for Wastes and Recyclable Materials

**Baling Equipment —
Safety Requirements for
Installation, Maintenance and Operation**

Secretariat
Environmental Industry Associations

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American National Standard

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Table of Contents

	Page
Foreword (informative).....	iii
0 Introduction (informative).....	1
1 Scope	2
2 Normative references	2
3 Definitions	2
4 Installation requirements	
4.1 General requirements	15
4.2 Power disconnect.....	15
4.3 Emergency controls	15
5 Safeguards and features	
5.1 Access Covers	15
5.2 Service openings.....	15
5.3 Controls.....	15
5.4 Operating switches and sensors.....	15
5.5 Security switch	16
5.6 Emergency controls	16
5.7 Interlocks.....	16
5.8 Guarding	16
5.9 Container/cart lifting systems.....	17
5.10 Startup alarms.....	18
5.11 Vertical downstroke balers – additional safety features.....	20
5.12 Vertical upstroke balers – additional safety features.....	20
5.13 Horizontal balers – additional safety features.....	21
5.14 Caution, warning and danger markings	21
6 Reconstruction and modification	23
7 Operational requirements	
7.1 Owner/Employer responsibilities for stationary compactors.....	23
7.2 Operator/employee responsibilities for stationary compactors.....	25
7.3 Procedures for the control of hazardous energy sources (lockout/tagout).....	26
7.4 Procedures for work in confined spaces.....	28
8 Safety and training program	
8.1 General	28
8.2 Safety program.....	28
8.3 General Training	29
8.4 Training requirements	29
Annexes	
A Bibliography (informative).....	31

Figures

1	Vertical downstroke baler.....	9
2	Vertical upstroke baler (chain driven)	10
3	Horizontal extrusion baler	11
4	Horizontal closed-chamber baler	11
5	Two-stage vertical/horizontal (continuous) extrusion baler.....	12
6	Two-stage horizontal baler (two compression strokes)	13
7	Two-ram horizontal baler with single-compression cylinder	14
8	Guard or loading hopper – minimum loading height for baler.....	17

FOREWORD (This foreword is not part of American National Standard Z245.5 -2004)

This American National Standard is applicable to the safety requirements for the installation, maintenance and operation of commercial baling equipment. A companion standard, ANSI Z245.51 – 2004 establishes safety requirements for the design and construction of commercial baling equipment commonly used in recycling, solid waste disposal and raw materials handling. Both these standards taken together revise and replace ANSI Z245.5 – 1997.

The effective date of this standard shall be 12 months after the approval date of this standard by the American National Standards Institute, Inc. For all baling equipment manufactured prior to 12 months after the approval date of this standard, please refer to the previous editions of the ANSI Z245.5 standard.

Inquiries, requests for interpretation and suggestions for the improvement of this standard should be directed to the Secretary, Accredited Standards Committee Z245, c/o Environmental Industry Associations, 4301 Connecticut Ave., NW, Suite 300, Washington, D.C. 20008.

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee Z245 on Equipment, Technology and Operations for Wastes and Recyclable Materials. Committee approval of this standard does not necessarily imply that all members of the committee voted for its approval. At the time it approved this standard, the Z245 Committee had the following members:

Gary Satterfield, Chairman
C. Phillip Headley, Secretary

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American National Standard
for Equipment Technology and Operations
for Wastes and Recyclable Materials —

**Balers —
Safety Requirements for
Installation, Maintenance and Operation**

0 Introduction

This standard was developed by American National Standards Institute Accredited Standards Committee Z245 Subcommittee 5 on Balers and approved by Accredited Standards Committee Z245.

This standard revises the baling equipment safety requirements found in ANSI Z245.5-1997 by providing specific requirements for installation, maintenance, repair and operation necessary to ensure the safe operation of the baler.

This standard complements ANSI Z245.51-2004, which details the safety requirements for design and construction of balers.

The requirements contained in this standard pertain to new balers as produced by the manufacturer. New requirements and revisions are not intended to be retroactive for balers manufactured to comply with earlier revisions of this standard. Refer to the approved edition of ANSI Z245.5 in effect at the time of manufacture for those requirements.

The requirements contained in this standard are not intended to apply to other components of end-use applications where a baler is part of a designed system.

Exceptions and notes contained in the standard apply to the clause or sub-clause in which they are contained or to which they reference. Exceptions pertain to normative requirements. Notes are informative and provide guidance for the evaluation of a normative requirement.

The units of distance measurement used in this standard are in the inch-pound system. When a value for measurement is followed by a value in other units in parentheses, the second value is only approximate. The first value is the requirement.

1 Scope

1.1 This standard revises safety requirements with respect to the installation, operation, maintenance, service, repair, modification, and reconstruction (where applicable) of baling equipment covered by ANSI Z245.5 - 1997, *Baling Equipment – Safety Requirements*.

1.2 The requirements of this standard apply to balers rated at 600 volts or less, for outdoor or indoor use, and are employed in accordance with the manufacturer's installation, operation, and maintenance instructions and procedures.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ANSI A1264.1-1995 (R2002), *Safety Requirements for Workplace Floor and Wall Openings, Stairs, and Railing Systems*.

ANSI Z245.51-2004, *Baling Equipment — Safety Requirements*

The following regulations contain provisions which, through reference in this text, constitute provisions of this American National Standard.

OSHA 29 CFR Part 1910.146, *Permit Required Confined Spaces*¹
OSHA 29 CFR Part 1910.147, *Lockout/Tagout of Energy Sources*²

3 Definitions

For the purposes of this American National Standard, the definitions below apply to terms used throughout this standard, unless the context clearly indicates otherwise.

3.1 access cover or door: A panel covering an opening that is designed to permit access to the interior of the baler.

3.2 access gate: A moveable barrier/guard that swings on hinges or moves in/on a track and is distinguished from a door by having openwork.

3.3 affected employee: An employee whose job functions place them in proximity to potential hazards related to work being performed by authorized employees.

3.4 authorized employee: A person who, on the basis of their specific experience and training, is permitted to perform certain designated duties.

3.5 automatic bale tying device: A device which installs wires or bands around a bale to maintain the bale's compressed state.

¹ Available online at <http://www.gpo.gov/nara/cfr/index.html>.

² Available online at <http://www.gpo.gov/nara/cfr/index.html>.