American National Standard

ENVIRONMENTAL INDUSTRY ASSOCIATIONS

for Equipment Technology and Operations for Wastes and Recyclable Materials ---

Waste Containers – Compatibility Dimensions

WASTE EQUIPMENT TECHNOLOGY ASSOCIATION
A PART OF THE ENVIRONMENTAL INDUSTRY ASSOCIATIONS

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

Waste Containers — Compatibility Dimensions

Secretariat
Environmental Industry Associations

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FOREWORD (This foreword is not part of American National Standard Z245.60 - 2008)

This revised standard replaces ANSI Z245.60 –1999, Equipment Technology and Operations for Wastes and Recyclable Materials — Waste Containers — Compatibility Dimensions. For a waste container to be marked as a specific type of container, those containers manufactured after the effective date of this standard, must comply with ANSI Z245.60-2008.

This revision establishes dimensions for refuse containers commonly used in conjunction with mobile equipment used to collect, compact and transport waste and recyclables, and occasionally with stationary waste processing and compaction equipment that use mechanical means to lift and empty these containers into the loading hopper. It is intended to assist manufacturers of truck bodies and lifting equipment in designing devices that can safely accommodate a wide range of commonly used containers. Also, labeling according to this standard will assist the users of such equipment in identifying with certainty that a container so marked is compatible with a lifting device designed to accommodate containers of the same type.

It is recognized that individuals may prefer to use containers that do not conform to these dimensions, and that such specialty designs can be safely handled by certain lifting systems. The standard does not intend to restrict manufacturing or the use of other designs. This standard is intended to encourage widespread use of common dimensions to facilitate interchange of different manufacturers’ product lines, and create an easily recognizable means for waste industry workers to safely match containers and lifting devices.

The effective date of this standard will be 18 months after the date of approval by the American National Standards Institute. Containers manufactured prior to the effective date of this standard are subject to the requirements of previous editions of ANSI Z245.60 (1999, 1996, 1990) For Refuse Collection, Processing, and Disposal Equipment — Waste Containers — Compatibility Dimensions.

Many containers manufactured prior to this standard may also meet the requirements of the dimensional specifications for the various types of containers. Employers are encouraged to identify and label such containers as described in this standard in order to assist employees in determining compatibility with lifting systems.

To gain access to a larger variety of lifting equipment types, manufacturers may choose to design containers to meet the dimensional requirements of more than one container type. In such a case they may label these containers for each type for which the requirements are met.

This revised standard was developed by the Accredited Standards Committee (ASC) Z245 Subcommittee 6 (Container Compatibility). In addition to the subcommittee members, the original standard was developed by the following organizations: the Transportation and Container Project Working Groups of the Waste Equipment Technology Association (WASTEC) and independent manufacturers of refuse containers.

At the time this revised standard was approved, a number of commonly used types of containers were included for which consensus was reached regarding common dimensions critical to assuring compatibility with lifting systems. The ASC Z245 Committee will include other container types that may be developed in the future, and others for which consensus has not yet been reached on dimensional requirements in future revisions of this standard. Proposals should be forwarded to the Secretary of the ASC Z245 Committee.

Suggested changes, inquiries, and requests for interpretation 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, DC 20008.
This revised standard was processed and approved for submittal to ANSI by the Accredited Standards Committee on Equipment Technology and Operations for Wastes and Recyclable Materials, Z245. Committee approval of this standard does not necessarily imply that all committee members voted for its approval. At the time it approved this revision, the Z245 Committee had the following members:

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Craig Wallwork, Secretary

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Institute of Scrap Recycling Industries, Inc.  
Solid Waste Association of North America  
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Equipment Technology and Operations
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Waste Containers — Compatibility Dimensions

0 Introduction

This standard was developed by American National Standards Institute Accredited Standards Committee Z245 Subcommittee 6 on Container Compatibility and approved by Accredited Standards Committee Z245.

This standard revises the waste container compatibility dimensions found in ANSI Z245.60-1999 by providing specific dimensions for waste containers.

This standard complements ANSI Z245.30-2008, which details the safety requirements for waste container construction and use.

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 applies to newly manufactured containers that are used in conjunction with the collection, processing and disposal (including the diversion of wastes for recycling) of municipal, commercial and industrial solid wastes by private companies and public entities. Containers may vary widely as to size, design and other characteristics. These containers are used in conjunction with mobile and stationary equipment that use mechanical means to handle the containers. Containers not in conformance with this standard may be safely handled provided the mechanism used is compatible with the dimensions of the specific container.

Figures 1a and 1b illustrate examples of various types of containers which are within the scope of this standard.

1.2 This standard does not apply to containers intended for use by householders for their individual use which are not to be handled by mechanical container lifting and dumping mechanisms.

Figure 2 illustrates examples of various types of containers which are not within the scope of this standard.

1.3 This standard applies to mobile containers usually mounted on casters or wheels; stationary containers with 3 cu. yd. \(^2\) (2.3 cubic meters) capacity and larger; and specially designed containers