

ANSI/BHMA A156.32-2014
Revision of ANSI/BHMA A156.32-2008



STANDARD
FOR
INTEGRATED DOOR OPENING ASSEMBLIES



SPONSOR
BUILDERS HARDWARE MANUFACTURERS ASSOCIATION, INC.

AMERICAN NATIONAL STANDARDS INSTITUTE
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AMERICAN NATIONAL STANDARD

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FOREWORD (This Foreword is not a part of ANSI/BHMA A156.32)

The general classification of builders hardware includes a wide variety of items which are divided into several categories. To recognize this diversity, a sectional classification system has been established. Section Q for Integrated Door and Hardware Assemblies, is one such section and this Standard is the result of the collective efforts of members of the Builders Hardware Manufacturers Association, Inc. (BHMA) who manufacture these products. The total Product Standards effort is therefore, a collection of sections, each covering a specific category of items.

Strength, cycle, and operational tests have been established to insure safety and stability to which the public is entitled. There are no restrictions on design.

This Standard is not intended to obstruct but rather to encourage the development of improved products, methods and materials. BHMA recognizes that errors will be found, items will become obsolete, and new products and methods will be developed. With this in mind the Association plans to update, correct and revise these Standards on a regular basis. It shall also be the responsibility of manufacturers to request such appropriate revisions.

The BHMA numbers that indicate functions of delayed egress locks do not identify size of design and are not intended to be used without necessary supplementary information. Individual manufacturer's catalogs should be consulted.

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1. SCOPE

1.1. This Standard establishes requirements for Integrated Door Opening Assemblies with steel, wood and fiberglass reinforced doors which are supplied to the customer with integral hardware. At a minimum, they shall include a door, frame, hanging device, and latching mechanism.

1.2. Performance requirements include operational, cycle, abuse and optional security tests.

1.3. Tests described in this Standard are performed under laboratory conditions. In actual usage, results may vary because of installation, maintenance and environmental conditions.

1.4. Assemblies provided for fire protection shall have components that have been tested and listed for use on fire door openings by a Nationally Recognized Testing Laboratory (NRTL) and shall be under an in-plant follow-up inspection program.

1.5 The tests in this Standard were selected to verify the performance and interaction of the door/frame/hardware assembly in a way not covered in their component standards. Hardware components shall be certified to the requirements of the applicable ANSI/BHMA Standards where a certification program is provided. The grade of the hardware components shall be equal to or higher than the grade of the integrated door opening assembly.

2. DEFINITIONS

2.1 **Integrated Door Opening Assembly** A door panel, factory or factory authorized installed operating hardware and hanging mechanism, combined with a frame as defined by door assembly manufacturer's specifications, and other hardware accessories required to complete the door opening.

2.2 **Closing Device** A means of closing a door from a partially or fully opened position.

2.3 **Labeled** Equipment or materials to which have been attached a label, symbol, or other identifying mark of an organization, that is acceptable to the authority having jurisdiction and concerned with product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

2.4 **Hanging Device** A device used to attach the door to the frame, and which supports the door through an opening cycle.

2.5 **Latching Mechanism** A spring-loaded or bolt type mechanism that engages the strike when the door is in the closed position and releases for the opening of the door.

2.6 **Trim** The operating and non-operating decorative elements, including knobs, levers, push / pulls, and other trim accessories, used to either release the latch mechanism, or serve as a pull or handle to open the door.