

ANSI/BHMA A156.16 - 2013
Revision of ANSI/BHMA A156.16 – 2008



AMERICAN NATIONAL STANDARD

FOR

AUXILIARY HARDWARE



SPONSOR

BUILDERS HARDWARE MANUFACTURERS ASSOCIATION, INC.

AMERICAN NATIONAL STANDARDS INSTITUTE
Approved October 23, 2013

AMERICAN NATIONAL STANDARD

An American National Standard implies a consensus of those substantially concerned with its scope and provisions. An American National Standard is intended as a guide to aid the manufacturer, the consumer, and the general public. The existence of an American National Standard does not in any respect preclude anyone, whether he has approved the Standard or not, from manufacturing, marketing, purchasing or using products, processes, or procedures not conforming to the Standard. American National Standards are subject to periodic review and users are cautioned to obtain the latest editions.

CAUTION NOTICE: This American National Standard is permitted to be revised or withdrawn at any time. The procedures of the American National Standards Institute require that action be taken to reaffirm, revise or withdraw this Standard no later than five years from the date of publication. Purchasers of American National Standards receive current information on all Standards by calling or writing the American National Standards Institute.

Published by
BUILDERS HARDWARE MANUFACTURERS ASSOCIATION, INC.
355 Lexington Avenue New York, New York 10017
www.buildershardware.com

Copyright © 2013 by the Builders Hardware Manufacturers
Association, Inc.

Not to be reproduced without specific authorization from
BHMA

Printed in the USA

This Standard was approved by ANSI under the Canvass Method.
BHMA was accredited on 21 March 1983 by ANSI as a sponsor
using the Canvass Method.

FOREWORD (This Foreword is not a part of ANSI A156.16)

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. Auxiliary Hardware is one such section and this Standard is the result of the collective efforts of members of the Builders Hardware Manufacturers Association who manufacture this product. The total Product Standards effort is, therefore, a collection of sections, each covering a specific category of items.

Performance tests and, where it has been necessary, material and dimensional requirements have been established to insure safety, security and stability to which the public is entitled. There are no restrictions on design, except for those dimensional requirements imposed for the reasons given above. It is also required that some hardware items fit certain specified cutout dimensions.

The BHMA recognizes that errors will be found, items will become obsolete, and new products, methods and materials will be developed. With this in mind, the Association will update, correct and revise these Standards on a regular basis.

In most cases, products have been described in grade levels related to performance. Grade classifications indicate levels only within their own product category. Choice of grade and specific product are made on the basis of utility, aesthetics, security objectives and end use desired.

The BHMA numbers which indicate types of hardware do not necessarily identify size or finish and are not intended to be used without necessary supplementary information. Individual manufacturers catalogs are consulted.

Use of some products described in this Standard on doors within a means of egress or fire door assemblies are regulated by authorities having jurisdiction. Applicable codes, ordinances and standards are to be consulted.

TABLE OF CONTENTS

1. SCOPE	5
2. DEFINITIONS	5
3. GENERAL	6
4. TESTS	6
4.1 TESTS FOR DOOR HOLDERS.....	6
4.2 TESTS FOR DOOR STOPS	7
4.3 TEST FOR COMBINATION DOOR STOP AND HOLDER.....	8
4.4 TEST FOR GARMENT HOOKS	8
4.5 TESTS FOR GARMENT ROD ASSEMBLIES, SHELF BRACKETS AND COMBINATION GARMENT ROD AND SHELF SUPPORT BRACKETS	8
4.6 TESTS FOR HANDRAIL BRACKETS.....	9
4.7 TESTS FOR DOOR BOLTS OR FASTENERS	10
4.8 TESTS FOR WINDOW LIFTS	10
4.10 TESTS FOR DOOR SILENCERS.....	10
4.11 TESTS FOR IDENTIFICATION SIGNS	11
4.12 TESTS FOR DOOR VIEWERS	11
4.13 TESTS FOR DOOR GUARDS.....	11
4.14 TESTS FOR REPLACEMENT CASEMENT WINDOW CONTROLS	11
4.15 TEST FOR ROLLER LATCHES.....	12
4.16 TESTS FOR WINDOW BOLTS, SASH LOCKS, OR CATCHES	13
4.17 TESTS FOR TOWEL BARS AND RINGS.....	13
4.18 TEST FOR GRAB BAR AND SOAP DISH AND GRAB BAR FIXTURE	14
4.19 TEST FOR SHOWER CURTAIN RODS.....	14
4.20 TEST FOR SHELF AND BRACKET OR SHELF AND GARMENT ROD SYSTEM	15
4.21 TESTS FOR SELF LATCHING FLUSH BOLTS.....	15
5. PERFORMANCE REQUIREMENTS FOR FINISHES	17
6. AUXILIARY HARDWARE FUNCTIONS AND IDENTIFYING NUMBERS	18
7. EXPLANATION OF NUMBERING SYSTEM	34
APPENDIX A (NOT A PART OF ANSI/BHMA A156.16)	35

1. SCOPE

1.1 This Standard establishes requirements for auxiliary hardware and includes performance tests covering operational, cyclical, strength or finish criteria.

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

2. DEFINITIONS

2.1 **Casement and Awning Window Control** A mechanism to control and limit the swing of an unlatched casement or awning.

2.2 **Combination Door Stop and Holder** A device which combines the features of a door stop and a door holder by stopping and holding a door at predetermined points.

2.3 **Door Bolt or Fastener** A mechanical device operable from one side of a door and used to fasten the door in a closed position.

2.4 **Door Guard** A connectable device used to limit the extent to which a door is opened.

2.5 **Door Holder** A device for holding a door in a predetermined open position until released by manual or automatic means.

2.6 **Door Knocker** A sounding mechanism used to announce one's presence at a door.

2.7 **Door Silencer** A device used to cushion the sound of a door closing into a frame.

2.8 **Door Stop** A device used for stopping the opening swing of a door at some predetermined position.

2.9 **Door Viewer** An optical device which permits an inside observer an undetected view of the outside area.

2.10 **Garment Hook** A device with one or more arms projecting from an attachment base on which to hang garments.

2.11 **Garment Rod Assembly** A pole device, usually anchored at each end and sometimes supported between, for hanging garments.

2.12 **Handrail Bracket** A device used to anchor and support a handrail.

2.13 **Identification Sign** An ornamental device fastened on or near an entrance which identifies an address, occupant, or contents of room or area beyond.

2.14 **Combination Garment Rod and Support Bracket** A device used for supporting a garment rod (2.11) and a shelf.

2.15 **Roller Latch** A mechanical device used to fasten or hold a door by means of a rolling plunger which engages a socket or catch.

2.16 **Shelf Bracket** A fixture used to support a shelf.

2.17 **Self-latching Flush Bolt** A flush mounted locking device for the inactive leaf of a pair of doors that latches automatically and unlatches manually.

2.18 **Shower Curtain and Rod Assembly** A fixture enclosing a bathtub or shower stall on which a shower curtain is hung.

2.19 **Soap and Grab Bar Assembly** A fixture used within a bathtub or shower enclosure which provides a receptacle for soap and an assisting hand grip.

2.20 **Towel Bar or Ring** A bar or ring shaped fixture on which towels or similar items are hung.