

BHMATM

CERTIFIED

Be Safe. Be Secure. Look for the Mark.

2017 CERTIFIED PRODUCTS DIRECTORY




BHMA
builders hardware manufacturers
association



BUILDERS HARDWARE MANUFACTURERS ASSOCIATION

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FOREWORD

BHMA Certification Program was developed as a means for producers of builders hardware to indicate compliance with American National Standards sponsored by BHMA. Participating manufacturers certify compliance with the standards based on a continuing program of passing the prescribed tests. The sponsored American National Standards listed in this directory are performance orientated standards having cycle, operational, strength, security, and finish test requirements. Third party testing is performed by a Nationally Recognized Test Laboratory. The program is open to all manufacturers of builders hardware whether or not they are members of BHMA.

A printed copy of the Certified Products Directory (CPD) is fully revised and updated once a year, each edition superceding the previous edition. The effective date is displayed on the cover. Updates, which may be required during the year in the event additional products are listed, any listed products are decertified, editorial changes are required or new licensees enter the program, are shown on the online version of the CPD found at www.buildershardware.com.

NOTE: ALWAYS REFER TO THE ONLINE CPD FOR THE MOST CURRENT LIST OF BHMA CERTIFIED PRODUCTS

A system of type number descriptions is provided in the Standards for each product. For convenience, a brief summary of the types is provided in this directory. Listees are permitted to certify models which are slightly different than the published types, provided they describe the features in the directory, and the model meets all other applicable requirements of the standard.

The BHMA Certification Mark



Only participants in the program are authorized to use the certification symbol. Licensees are encouraged to identify all certified products with the symbol attached to their products or packages. When used in advertising, or packaging, the symbol is not permitted to be displayed in proximity to products not certified under the Program. Symbol to be used in accordance with the guidelines.

If a company is utilizing the BHMA Certified Mark on a product that is not listed in the Certified Products Directory or in the updated online version on www.buildershardware.com please contact BHMA at BHMA@kellencompany.com or 212.297.2122.

Please contact BHMA for copies of the Licensing Agreement, which includes the Operational Manuals, and the Certification Mark.

Butts and Hinges

ANSI/BHMA A156.1

2017

DIRECTORY



GENERAL INFORMATION

EXPLANATION OF HINGE NUMBERING SYSTEM (A156.1)

First letter denotes BHMA Hinge Section (A)

First numeral indicates general type of material used:

- 1-Cast, Forged or Extruded Brass or Bronze
- 2-Wrought Brass or Bronze

- 5-Stainless Steel, 300 Series
- 8-Wrought Steel, Forged Steel, Cast Steel or Malleable Iron

Second numeral identifies type of product:

- 1-Full Mortise Hinges
- 2-Half Mortise Hinges
- 3-Full Surface Hinges
- 4-Half Surface Hinges
- 5-Anchor, Pivot Reinforced or Thrust Pivot Unit and Hinge Sets

- 6-Olive Knuckle Hinges
- 7-Pivot Hinges
- 8-Rescue Hardware
- 9-Pocket Door Hinge

Third numeral identifies the function or the description of the item or both:

- 1 - Anti-friction Bearing
- 2 - Anti-friction Bearing - Swing Clear
- 3 - Plain Bearing
- 4 through 0 - Special Condition

Fourth numeral designates the grade classification of the item:

- 1 - Grade 1
- 2 - Grade 2
- 3 - Grade 3
- 4 - Light Weight

Example: A2412

- A - Section A
- 2 - Material (Wrought Brass or Bronze)
- 4 - Type (Half Surface Hinge)
- 1 - Description (Anti-friction Bearing)
- 2 - Grade (Grade 2)



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**A156.1- 2006- Butts and Hinges
 COMMERCIAL GRADE 1 HINGES**

<u>ANSI TYPE</u>	<u>HINGE TYPE</u>	<u>GRADE</u>	<u>CAL-ROYAL PART #</u>
A5111	4 ½ X 4 ½ FULL MORTISE/2 BALL BEARING	2	BB31
A5111	4 ½ X 4 FULL MORTISE/ 2 BALL BEARING	2	BB454
A5111	4 ½ X 4 ½ FULL MORTISE/ 4 BALL BEARING HEAVY WEIGHT HINGE	1	BB5200
A8111	4 ½ X 4 ½ FULL MORTISE/2 BALL BEARING	2	BB31
A8111	4 ½ X 4 ½ FULL MORTISE/2 BALL BEARING	2	BB454
A8111	4 ½ X 4 ½ FULL MORTISE/ 4 BALL BEARING HEAVY WEIGHT HINGE	1	BB5200
A5112	4 ½ X 4 ½ FULL MORTISE/STANDARD WT PLAIN BEARING	2	TBH30

NOTES: ALL HINGES ARE STEEL AND ANYTHING THAT IS ORDERED WITH 32D IS STAINLESS STEEL. ALL HINGES ARE ANSI TEMPLATES AND HINGE TESTING CONFORMS TO ANSI 156.1.

Bored & Preassembled Locks & Latches

ANSI/BHMA A156.2

2017

DIRECTORY



GENERAL INFORMATION

DESCRIPTION AND FUNCTION NUMBERS OF SERIES 2000 PRE-ASSEMBLED LOCKS AND LATCHES (FROM A156.2)

F36 Passage or Closet Latch Set. Latch bolt operated by lever or knob from either side at all times.

F37 Privacy, Bedroom or Bath Lock. Latch bolt operated by lever or knob from either side. Outside lever or knob is locked by push button inside and unlocked by emergency release outside, operating inside lever or knob, or closing door.

F38 Patio or Privacy Lock. Latch bolt operated by lever or knob from either side. Outside lever or knob is locked by push button inside and unlocked by operating inside lever or knob or closing door. Auxiliary dead latch. Do not use on doors in rooms that have no other entrance.

F39 Communicating Lock. Latch bolt operated by lever or knob from either side. Turn button, in either lever or knob, locks or unlocks opposite lever or knob. Auxiliary dead latch. Do not use on doors in rooms that have no other entrance.

F40 Entrance or Store Room Lock. Latch bolt is operated by lever or knob from either side except when outside lever or knob is locked by turn button in inside lever or knob. When outside lever or knob is locked, latch bolt is retracted by key from outside or by operating inside lever or knob. Turn button shall be manually rotated to unlock outside lever or knob. Auxiliary dead latch.

F41 Entry Lock. Latch bolt operated by lever or knob from either side except when outside lever or knob is locked by push button in inside lever or knob. When outside lever or knob is locked, operating key from outside or operating inside lever or knob retracts latch bolt and releases push button. Closing door does not release push button. Auxiliary dead latch.

F42 Classroom Lock. Latch bolt operated by lever or knob from either side except when outside lever or knob is locked from outside by key. When outside lever or knob is locked, latch bolt is retracted by key from outside or operating inside lever or knob. Auxiliary dead latch.

F43 Holdback Lock. Latch bolt operated by lever or knob from either side except when outside lever or knob is locked from outside by key. Latch bolt is locked in a retracted position by key. When outside lever or knob is locked, latch bolt is retracted by key from outside or by operating inside lever or knob, unless latch bolt has been locked in a retracted position. Auxiliary dead latch.

F44 Store Room or Closet Lock. Latch bolt operated by key from outside or by operating inside lever or knob. Outside lever or knob is always fixed. Auxiliary dead latch.

F45 Apartment, Exit or Public Toilet Lock. Latch bolt operated by lever or knob from either side except when outside lever or knob is locked by key from inside. When outside lever or knob is locked, latch bolt is retracted by key from outside or by operating inside lever or knob. Auxiliary dead latch.

F46 Store Door Lock. Latch bolt operated by lever or knob from either side except when both levers or knobs are locked by key from either side. Auxiliary dead latch.

F47 Store Door Lock. Latch bolt operated by lever or knob from either side. Dead bolt operated by key from either side.

F48 Hotel Guest Room, Club House, Dormitory or Apartment Entrance Lock. Latch bolt operated by lever or knob from inside at all times. Outside lever or knob always fixed. Latch bolt operated by key from outside except when push button inside is depressed, thus shutting out all keys except the emergency key. Depressing push button operates visual indicator in face of cylinder showing the room is occupied. Operating inside lever or knob, or closing door releases indicator and shut out feature except when shut out is activated by a special procedure which shuts out all keys except emergency keys. Auxiliary dead latch.

DESCRIPTION AND FUNCTION NUMBERS OF SERIES 4000 BORED LOCKS AND LATCHES (FROM A156.2)

F75 Grades 1, 2 and 3. Passage or Closet Latch Latch bolt operated by lever, from either side at all times.

F76A Grades 1 and 2. Privacy, Bedroom or Bath Lock Latch bolt operated by lever from either side. Outside lever is locked by push button or other locking device inside and unlocked by emergency release outside, operating inside lever or closing door.

F76B Grades 2 and 3. Privacy, Bedroom or Bath Lock. Latch bolt operated by lever from either side except when outside lever is locked by locking device inside. Locking device shall automatically release when inside lever is operated or be in unlocked position before inside lever is operated. Emergency release on outside shall permit outside lever to operate latch bolt.

F77A Grades 1 and 2. Patio or Privacy Lock. Dead locking latch bolt operated by lever from either side. Outside lever is locked by push button or other locking device inside and unlocked by operating inside lever or closing door. Do not use on doors in rooms that have no other entrance.

F77B Grades 2 and 3. Patio and Privacy Lock. Dead locking latch bolt operated by lever from either side except when outside lever is locked by locking device inside. Locking device shall automatically release when inside lever is operated or be in the unlocked position before the lever is operated. Do not use on doors in rooms that have no other entrance.

F78 Grades 1 and 2. Communicating Lock. Dead locking latch bolt operated by lever from either side. Turn button or locking device on either side locks or unlocks opposite lever. Do not use on doors in rooms that have no other entrance.

F79 Grades 1 and 2. Communicating Lock. Dead locking latch bolt operated from inside by lever and from outside by thumb turn. Turning button or operating locking device in inside lever locks both lever and thumb turn. Turn button or other locking device does not release unless manually restored to unlocked position.

F80 Grades 1 and 2. Communicating Lock. Dead locking latch bolt operated by lever from either side. Turning key in either lever locks or unlocks its own lever independently. Do not use on doors in rooms that have no other entrance.

F81 Grades 1, 2 and 3. Entry Lock. Deadlocking latch bolt operated by lever from either side except when outside lever is locked by turn button or other locking device inside. When outside lever is locked, latch bolt is operated by key in outside lever or by operating inside lever. Turn button or other locking device shall be manually operated to unlock outside lever. At the option of the individual manufacturer, operating the key in the outside lever shall permit the latch bolt to be retracted by operating the outside lever, providing the key cannot be removed in the unlocked position.

F82A Grades 1 and 2. Entry Lock. Dead locking latch bolt operated by lever from either side except when outside lever is locked by push button or other locking device on inside. When outside lever is locked, operating key in outside lever or operating inside lever unlocks push button or other locking device and retracts latch bolt. Closing door does not release push button or other locking device.

F82B Grades 2 and 3. Entry Lock. Dead locking latch bolt operated by lever from either side except when outside lever is locked by locking device on inside. When outside lever is locked, operating key in outside lever unlocks locking device. Locking device shall automatically release when inside lever is operated or be in the unlocked position before inside lever is operated.

F83 Grades 1, 2 and 3. Exit Lock. Dead locking latch bolt operated by lever from either side except when outside lever is locked by turn button or other locking device in inside. Turn button or other locking device shall be manually operated to unlock outside lever. Inside lever always operates latch bolt.

F84 Grades 1 and 2. Classroom Lock. Dead locking latch bolt operated by lever from either side except when outside lever is locked from outside by key. At the option of the individual manufacturer, operating the key in the lever shall permit the latch bolt to be retracted. When outside lever is locked, latch bolt is operated by inside lever.

F85 Grade 1. Holdback Lock. Dead locking latch bolt operated by lever from either side except when outside lever is locked from outside by key. Latch bolt is locked in a retracted position by key. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever unless latch bolt has been locked in a retracted position.

F86 Grades 1, 2 and 3. Store Room or Closet Lock. Dead locking latch bolt operated by key in outside lever, or by operating inside lever. Outside lever is always inoperable. At the option of the individual manufacturer, operating the key in the outside lever shall permit the latch bolt to be retracted by operating the outside lever, providing the key cannot be removed in the unlocked position.

F87 Grade 1. Utility, Asylum or Institutional Lock. Dead locking latch bolt operated by key in lever, from either side. Both levers always inoperable. At the option of the individual manufacturer, operating the key in the outside lever shall permit the latch bolt to be retracted by operating either the inside or outside lever, providing the key cannot be removed in the unlocked position.

F88 Grade 1. Apartment, Exit or Public Toilet Lock. Dead locking latch bolt operated by lever from either side except when outside lever is locked by key from inside. When outside lever is locked, latch bolt is retracted by key in outside lever or by operating inside lever.

F89 Grades 1, 2 and 3. Exit Latch. Deadlocking latch bolt retracted by lever from inside at all times. Outside lever is always inoperable.

F90 Grades 1 and 2. Corridor Lock. Dead locking latch bolt operated by lever from either side except when outside lever is locked by key in outside lever or by push button or other locking device on inside. Key in outside lever locks or unlocks outside lever. Operating inside lever releases push button or other locking device placed in a locked position. Closing door releases push button or other inside locking device. Inside lever always operates latch bolt.

F91 Grade 1. Store Door Lock. Dead locking latch bolt operated by lever from either side except when both levers are locked by key from either side.

F92 Grades 1 and 2. Service Station Lock. Dead locking latch bolt operated by lever from either side except when outside lever is locked by push button or other locking device inside. Key outside, operating inside lever or closing door releases push button or other locking device unlocking outside lever except when slotted push button or other locking device is in a locked position. Inside lever always operates latch bolt.

F93 Grades 1 and 2. Hotel Guest Room, Club House, Dormitory or Apartment Entrance Lock. Dead locking latch bolt operated by lever from inside at all times. Outside lever always inoperable. Latch bolt operated by key from outside except when push button or other locking device inside is operated thus shutting out all keys except emergency key. Operating push button or other locking device operates outside visual indicator showing room is occupied. Operating inside lever or closing door releases indicator and shut out feature except when shut out is activated by a special procedure which shuts out all keys except emergency or display key. At the option of the individual manufacturer, operating the key in the outside lever shall permit the latch bolt to be retracted by operating the outside lever, providing the key cannot be removed in the unlocked position.

F94 Grades 1, 2, and 3 Entry Handleset. Dead locking latch bolt operated by thumb piece from outside and lever from inside except when outside thumb piece is locked by push button or other locking device on inside. When outside thumb piece is locked, operating key in outside cylinder or operating inside lever retracts latch bolt. Closing door does not release push button or other locking device.

F107 Grade 1. Entry Handleset. Deadlocking latch bolt operated by thumb piece from outside and lever from inside except when outside thumb piece is locked by push button or other locking device on inside. When outside thumb piece is locked, operating key in outside cylinder or operating inside lever unlocks push button or other locking device and retracts latch bolt. Closing door does not release push button or other locking device.

F108 Grades 2 and 3. Entry Handleset. Deadlocking latch bolt operated by thumb piece from outside and lever from inside except when outside thumb piece is locked by locking device on inside. When outside thumb piece is locked, operating key in outside cylinder unlocks locking device. Locking device shall automatically release when inside lever is operated or be in the unlocked position before inside lever is operated.

F109 Grades 1, 2, and 3. Combined F81 and F82 Entry Lock. Deadlocking latch bolt operated by lever from either side except when outside lever is locked by the push or turn button inside. Key outside or operating inside lever releases push or turn button unlocking outside lever except when push or turn button has been rotated to keep outside lever locked. Inside push or turn button must be manually operated to unlock outside lever . Inside lever always operates latch bolt.

F110 Grade 1. Intruder Classroom Lock Deadlocking latch bolt operated by lever from either side. Key either inside or outside locks or unlocks outside lever. Inside lever always operates latchbolt.

F111 Grades 1 and 2. Communicating Passage Lock Dead locking latch bolt operated by lever one side only at all times. Non removable blank trim or no trim outside.

F112 Grades 1 and 2. Communicating Storeroom Lock Deadlocking latch bolt operated by key in lever one side only. Lever always inoperable. At the option of the individual manufacturer, operating the key in the lever shall permit the latch bolt to be retracted by operating the lever, providing the key cannot be removed in the unlocked position. Non removable blank trim or no trim outside.

F113 Grades 1 and 2. Communicating Classroom Lock Dead locking latch bolt operated by lever one side only except when lever is locked by key. At the option of the individual manufacturer, operating the key in the lever shall permit the latch bolt to be retracted. Non removable blank trim or no trim outside.

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**A156.2 2008 Bored and Preassembled Locks
GRADE 1 LEVERS**

Series 4000- Bored

ANSI Function # Designation	Licensees Function #	Licensees Catalog
F81, F82	00- Entrance	CGN00
F84	03- Classroom	CGN03
F86	05- Storeroom	CGN05
F76	20- Privacy	CGN20
F75	30- Passage	CGN30
F75	40- Single Dummy	CGN40
F91	02- Store Lock	CGN02
F91	04- Communicating	CGN04
F91	06- Vestibule	CGN06
F91	07- Classroom/ Intruder	CGN07
F91	09- Institution	CGN09

PREFIX "IC" INDICATES INTERCHANGEABLE CORE

PREFIX "AT", "SPA", "TUB" FOR DIFFERENT TRIM DESIGNS

PREFIX "214T" BEFORE PART # FOR 2" UP TO 2 1/4" THICK DOOR

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**OMEGA GRB SERIES GRADE 1 HEAVY DUTY
CYLINDRICAL KNOBSETS**

A156.2 2008 Bored and Preassembled Locks

Series 4000- Bored

<u>ANSI Function # Designation</u>	<u>Licensees Function #</u>	<u>Licensees Catalog</u>
F82	00-ENTRANCE	GRB00
F91	02-STORELOCK	GRB02
F84	03-CLASSROOM	GRB03
F80	04-COMMUNICATING	GRB04
F86	05-STOREROOM	GRB05
F87	09-INSTITUTION	GRB09
F76	20-PRIVACY	GRB20
F75	30-PASSAGE	GRB30
	40-DUMMY	GRB40

PREFIX "IC" INDICATES INTERCHANGEABLE CORE

PREFIX "G1PLY" FOR DIFFERENT KNOB DESIGN

<u>FINISH TYPE CATALOG</u>	<u>BHMA CODE</u>	<u>LICENSEE'S</u>
SATIN STAINLESS STEEL	630	US32D
BRIGHT BRASS	707,677(605E)	US3
ANTIQUÉ BRONZE OILED	710,704(613E)	US10B
SATIN BRONZE		US10
SATIN BRASS	688,678(606E)	US4
BRIGHT CHROME	712,681(625E)	US26

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**A156.2 2008 Bored and Preassembled Locks
GRADE 2 LEVERS**

Series 4000- Bored

ANSI Function # Designation	Licensees Function #	Licensees Catalog
F81, F82 XP00, AG00, ALC00	Entrance	SL00, RL00, SG00,
F41 F84 XP03, AG03, ALC03	Entrance (Push Button) Classroom	SL01 SL03, RL03, SG03,
F86 XP05, AG05, ALC05	Storeroom	SL05, RL05, SG05,
F76 XP20, AG20, ALC20	Privacy	SL20, RL20, SG20,
F75 XP30, AG30, ALC30	Passage	SL30, RL30, SG30,
F75 XP40, AG40, ALC40	Single Dummy	SL40, RL40, SG40,
F89 XP50, AG50	Exit	SL50, RL50, SG50,

PREFIX "C" INDICATES CLUTCH
PREFIX "IC" INDICATES INTERCHANGEABLE CORE

Exit Devices

ANSI/BHMA A156.3

2017

DIRECTORY



GENERAL INFORMATION

THIS INFORMATION IS INCLUDED IN THE DIRECTORY AS AN AID TO THE USER. READERS ARE CAUTIONED NOT TO RELY ON THIS INFORMATION AS DESCRIBING TOTAL REQUIREMENTS AND ARE URGED TO OBTAIN COPIES OF APPLICABLE ANSI/BHMA A156 SERIES STANDARDS FOR COMPLETE INFORMATION.

156.3

TYPES

Type 1:	Rim Exit Device
Type 2:	Surface Vertical Rod Exit Device
Type 3:	Mortise Exit Device
Type 4:	Narrow Stile Rim Exit Device
Type 5:	Narrow Stile Surface Vertical Rod Exit Device
Type 6:	Narrow Stile Concealed Vertical Rod Exit Device
Type 7:	Wood Door Concealed Vertical Rod Exit Device
Type 8:	Metal Door Concealed Vertical Rod Exit Device
Type 9:	Multi-point Combination Rim and Surface Vertical Rod Exit Device
Type 10:	Narrow Stile Mortise Exit Device
Type 11:	Multi-point Combination Mortise and Surface Vertical Rod Exit Device
Type 12:	Multi-point Combination Mortise and Concealed Vertical Rod Exit Devices
Type 21A:	Door Coordinator with Override Feature
Type 21B:	Door Coordinator without Override Feature
Type 22:	Removable Mullion
Type 23:	Concealed Automatic Latching Two Point Bolts
Type 24:	Surface Automatic Latching Two Point Bolts
Type 25:	Automatic Extension Flush Bolt Set
Type 26:	Rim Paddle Device
Type 28:	Rim Exit Device incorporating a Dead Bolt

Types 1 through 12 may include a deadbolt in addition to, or in place of a latch by specifying suffix "D".

Types 2, 5, 6, 7, 8, 9, 11, 12 may include designs which are furnished without the bottom rod, commonly referred to as "less bottom rod", and specified by the suffix "LBR".

See Appendix for illustrations of exit device types.

FUNCTIONS

In all functions, latchbolts and deadbolts, or deadbolts or latchbolts alone are released by depressing the actuating bar. Labeled Fire Exit Hardware shall comply with applicable building codes. All functions are not available in all types of exit devices. Some functions may be available with electrical or pneumatic operations in addition to mechanical operation. The basic function shall remain the same as described. Consult manufacturer's catalog.

Outside Trim Function Descriptions

- 01: Exit only, no trim or blank escutcheon.
- 02: Entrance by trim when actuating bar is locked down.
- 03: Entrance by trim when latch is released by key. Key removable only when locked.
- 04: Entrance by trim when latch is released by key or set in a retracted position by key.
- 05: Entrance by thumb piece. Key locks or unlocks thumb piece.
- 06: Entrance by thumb piece only when released by key. Key removable only when locked.
- 07: Entrance by thumb piece. Inside or outside key locks or unlocks thumb piece. Outside key releases latch.
- 08: Entrance by knob or lever. Key locks or unlocks knob or lever.
- 09: Entrance by knob or lever only when released by key. Key removable only when locked.
- 10: Entrance by knob or lever. Inside or outside key locks or unlocks knob or lever. Outside key releases latch.
- 11: Entrance by control turnpiece. Key locks or unlocks control.
- 12: Entrance by control turnpiece only when released by turning key. Key removable only when locked.
- 13: Entrance by key or combination lock.
- 14: Entrance by trim when latch is released by knob, lever,. Always active, no cylinder.
- 15: Entrance by trim when latch is released by thumb piece. Thumb piece always active, no cylinder.
- 16: Entrance by trim when latch is released by control turnpiece. Turnpiece always active, no cylinder.
- 17: Entrance by control turnpiece. Inside or outside key locks or unlocks turnpiece. Outside key releases latch.

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A156.3 2008 EXIT DEVICES GRADE 1

<u>ANSI TYPE</u>	<u>DEVICE TYPE</u>	<u>LICENSEE'S CATALOG</u>
Type 1	Rim	7700EO36, 7720EO48
Type 2	Surface Vertical Rod	7760V3684, 7790V3696, 7780V4896, 7750V36120, 7740V48120
Type 3	Mortise Rim	MR7700E036, MR7705EO36, MR7700EO48, MR7705EO48
Type 7	Concealed Vertical Rod (Wood Doors)	W77CVR3684, W77CVR3696
Type 8	Concealed Vertical Rod (Metal Doors)	M77CVR3684, M77CVR3696

Devices are available equipped with the following options:

- “F” Prefix Denotes Fire Exit Hardware (excludes models used for 10' doors)
- “DE” Prefix Denotes Delayed Egress Option (**ANSI/BHMA A156.24**)
- “ELR” Prefix Denotes Electric Latch Retraction
- “RX” Prefix Denotes Request to Exit
- “LX” Prefix Denotes Latchbolt Monitoring
- “LXRX” Prefix Denotes Latchbolt Monitoring and Request To Exit

CERTIFIED TRIMS - GRADE 1

<u>ANSI FUNCTION</u>	<u>TRIM TYPE</u>	<u>LICENSEE'S CATALOG</u>
08	CLUTCH ENTRANCE	ENT00L (ROSE)
04	CLUTCH STOREROOM	STR05L (ROSE)
15	PASSAGE	PAS30L (ROSE)
10	DUMMY	DUM40L (ROSE)
63	RIGID ENTRANCE	ESC7700 (ESCUTCHEON)
04	RIGID STOREROOM	ESC7705 (ESCUTCHEON)
62	PASSAGE	ESC7730 (ESCUTCHEON)
10	DUMMY	ESC7740 (ESCUTCHEON)
63	ENTRANCE	77TP00 (THUMB PIECE)
04	RIGID STOREROOM	77TP05 (ESCUTCHEON)
62	PASSAGE	77TP30 (ESCUTCHEON)
10	DUMMY	77TP40 (ESCUTCHEON)
03	ENTRANCE	7700NL (PULL)
02	DUMMY	7700DTP (PULL)
10	COVER PLATE	7700EOP (BLANK PLATE)
63	CLUTCH ENTRANCE	CVRESC00 (ESCUTCHEON)
04	CLUTCH STOREROOM	CVRESC05 (ESCUTCHEON)
62	PASSAGE	CVRESC30 (ESCUTCHEON)
10	DUMMY	CVRESC40 (ESCUTCHEON)
63	ENTRANCE	MRESC-00 (ESCUTCHEON)
04	STOREROOM	MRESC-05 (ESCUTCHEON)
62	PASSAGE	MRESC-30 (ESCUTCHEON)

A156.3 2008 EXIT DEVICES

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GRADE 1

<u>ANSI TYPE</u>	<u>DEVICE TYPE</u>	<u>LICENSEE'S CATALOG</u>
Type 1	Rim	9800EO36, 9820EO48
Type 2	Surface Vertical Rod	9860V3684, 9890V3696, 9880V4896, 9850V36120, 9840V48120
Type 3	Mortise Rim	MR9800EO36, MR9805EO36, MR9800EO48, MR9805EO48
Type 7	Concealed Vertical Rod (Wood Doors)	W98CVR3684, W98CVR3696
Type 8	Concealed Vertical Rod (Metal Doors)	M98CVR3684, M98CVR3696

Devices are available equipped with the following options:

- “F” Prefix Denotes Fire Exit Hardware (excludes models for used on 10' doors)
- “A” Prefix Denotes ADA Compliant (excludes Type 7 & 8)
- “ELR” Prefix Denotes Electric Latch Retraction
- “RX” Prefix Denotes Request to Exit
- “LX” Prefix Denotes Latchbolt Monitoring
- “LXRX” Prefix Denotes Latchbolt Monitoring and Request to Exit

CERTIFIED TRIMS - GRADE 1

<u>ANSI FUNCTION</u>	<u>TRIM TYPE</u>	<u>LICENSEE'S CATALOG</u>
08	CLUTCH ENTRANCE	ENT00L (ROSE)
04	CLUTCH STOREROOM	STR05L (ROSE)
15	PASSAGE	PAS30L (ROSE)
10	DUMMY	DUM40L (ROSE)
63	RIGID ENTRANCE	ESC9800 (ESCUTCHEON)
04	RIGID STOREROOM	ESC9805 (ESCUTCHEON)
62	PASSAGE	ESC9830 (ESCUTCHEON)
10	DUMMY	ESC9840 (ESCUTCHEON)
63	ENTRANCE	98TP00 (THUMB PIECE)
04	RIGID STOREROOM	98TP05 (ESCUTCHEON)
62	PASSAGE	98TP30 (ESCUTCHEON)
10	DUMMY	98TP40 (ESCUTCHEON)
03	ENTRANCE	9800NL (PULL)
02	DUMMY	9800DTP (PULL)
10	COVER PLATE	9800EOP (BLANK PLATE)
63	CLUTCH ENTRANCE	CVRESC00 (ESCUTCHEON)
04	CLUTCH STOREROOM	CVRESC05 (ESCUTCHEON)
62	PASSAGE	CVRESC30 (ESCUTCHEON)
10	DUMMY	CVRESC40 (ESCUTCHEON)
63	ENTRANCE	MRESC-00 (ESCUTCHEON)
04	STOREROOM	MRESC-05 (ESCUTCHEON)
62	PASSAGE	MRESC-30 (ESCUTCHEON)

A156.3 2008 EXIT DEVICES

CAL-ROYAL PRODUCTS, INC.

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 TEL: (323) 888-6601 & (800) 876-9258
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 Email: sales@cal-royal.com



GRADE 1

<u>ANSI TYPE</u>	<u>DEVICE TYPE</u>	<u>LICENSEE'S CATALOG</u>
Type 1	Rim	2200EO24, 2200EO32, 2200EO36, 2220EO48
Type 2	Surface Vertical Rod	2210V2484, 2270V3284, 2260V3684, 2290V3696, 2280V4896, 2250V36120, 2240V48120

Devices are available equipped with the following options:

“F” Prefix Denotes Fire Exit Hardware (excludes models for used on 10' doors)

“A” Prefix Denotes ADA Compliant (excludes models for used on 10' doors)

“ELR” Prefix Denotes Electric Latch Retraction

“RX” Prefix Denotes Request to Exit

“LX” Prefix Denotes Latchbolt Monitoring

“LXRX” Prefix Denotes Latchbolt Monitoring and Request to Exit

CERTIFIED TRIMS - GRADE 1

<u>ANSI FUNCTION</u>	<u>TRIM TYPE</u>	<u>LICENSEE'S CATALOG</u>
08	CLUTCH ENTRANCE	ENT00L (ROSE)
04	CLUTCH STOREROOM	STR05L (ROSE)
15	PASSAGE	PAS30L (ROSE)
10	DUMMY	DUM40L (ROSE)
63	RIGID ENTRANCE	ESC2200 (ESCUTCHEON)
04	RIGID STOREROOM	ESC2205 (ESCUTCHEON)
62	PASSAGE	ESC2230 (ESCUTCHEON)
10	DUMMY	ESC2240 (ESCUTCHEON)
63	ENTRANCE	THP00 (THUMB PIECE)
04	RIGID STOREROOM	THP05 (ESCUTCHEON)
62	PASSAGE	THP30 (ESCUTCHEON)
10	DUMMY	THP40 (ESCUTCHEON)
03	ENTRANCE	2200NL (PULL)
02	DUMMY	2200DTP (PULL)
10	COVER PLATE	2200EOP (BLANK PLATE)
63	PULL & RIM CYLINDER	2200PULNL

CERTIFIED FINISHES

<u>FINISH TYPE</u>	<u>BHMA CODE/CATEGORY</u>	<u>LICENSEE'S CATALOG</u>
Bright Brass	707, 677 (605E)	US3
Satin Brass	688, 678 (606E)	US4
Satin Bronze	709, 680 (612E)	US10
Antique Bronze Oiled	710, 704 (613E)	US10B
Bright Chrome	712, 681 (625E)	US26
Satin Chrome	713, 682 (626E)	US26D
Satin Stainless	713, 630 (626E)	US32D

Door Control-Closers

ANSI/BHMA A156.4

2017

DIRECTORY



GENERAL INFORMATION

156.4

PT Numbers

Surface or Concealed in Door closers, Grade 1	PT 1
Surface or Concealed in Door closers, Grade 2	PT 2
Surface or Concealed in Door closers, Grade 3	PT 3
Surface or Concealed in Door closers, Options	PT 4-A,C,D,E,F,G,H,J
Concealed Overhead and Floor Closers, Grade 1	PT 5
Concealed Overhead and Floor Closers, Grade 2	PT 6
Concealed Overhead and Floor Closers, Grade 3	PT 7
Concealed Overhead and Floor Closers, Options	PT 8-A,B,C,D,E,F,G,J,K,L,M

Series Numbers

- Series 1000 Traditional Type (2nd Numeral 1) Series 2000 Modern Type with Cover (2nd numeral 2)
- Series 3000 Modern Type No Cover (2nd numeral 3)
- Series 4000 Concealed in Door (2nd numeral 4)
- Series 5000 Overhead Concealed (2nd numeral 5)
- Series 6000 Floor Concealed (2nd numeral 6)
- Series 7000 Pivot Sets (2nd numeral 7)

Explanation of Identifying Numbers

The first letter (C) denotes the organizational Section in BHMA responsible for this Standard.

The first numeral indicated the material used:

- 0 - Optional material, i.e., the manufacturer's standard unless otherwise specified.

The second numeral identifies the type of product:

1	Surface closers, traditional type	5	Overhead concealed closers
2	Surface closers, modern type with cover	6	Floor concealed closers
3	Surface closers, modern type with no cover	7	Pivot sets
4	Concealed in door closers	9	Miscellaneous closers, includes dwarf and gate closers, and screen or combination storm door closers.

The third and fourth numerals identify the function or specific description of each item.

The fifth numeral designates the grade classification of the item:

- Grade 1,2, or 3

Example: C02051

- C - Section (C)
- 0 - Material (optional)
- 2 - Type of product (surface closer, modern, cover)
- 05 - Function (holder arm, regular mounting)
- 1 - Grade (grade 1)

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A156.4- Certified Door Closers GRADE 1

Series CR441- Full Cover Multi-Size Full Feature Closer

<u>ANSI TYPE</u>	<u>PT4 Options</u>	<u>LICENSEE'S CATALOG</u>
CO2011	A, B, C, D, H A, B, C, D, F, H	CR441, CR441DA CR801, CR801S 730P, 740P, 750P, 730PBC 740PBC, 750PBC N900-PBF, N900-PBFDA

NOTES:

1. Suffix "DA" denotes DELAYED ACTION (Door Closers)

CERTIFIED FINISHES

<u>FINISH TYPE</u>	<u>BHMA CODE/ CATEGORY</u>	<u>LICENSEE'S CATALOG</u>
Bright Brass	707, 677 (605E)	US3
Satin Bronze	709, 680 (612E)	US10
Antique Bronze Oiled	710, 704 (613E)	US10B
Bright Chrome	712, 681 (625E)	US26
Satin Chrome	713, 682 (626E)	US26D
Satin Stainless Steel	713, 630 (626E)	US32D
Aluminum Painted	689	ALUM
Dark Bronze	633	DURO
Architectural Bronze	696	GOLD

Cylinder & Input Devices

ANSI/BHMA A156.5

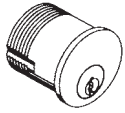
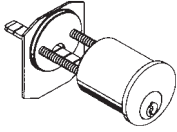

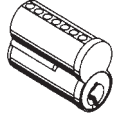
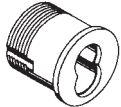
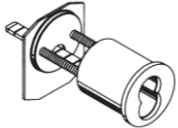
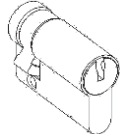
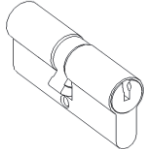
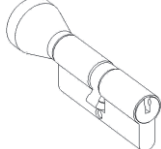
2017

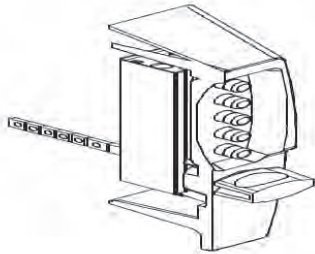
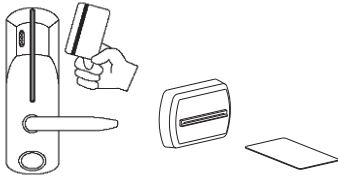
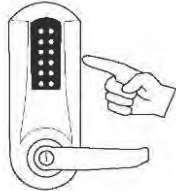

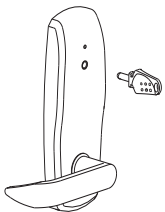


DIRECTORY



A156.5

GENERAL INFORMATION

Cylinder Type		Function Number
Mortise Cylinder		21
Rim Cylinder		22
Bored Lock Cylinders		23
Interchangeable Core (IC) Cylinder		24
Mortise IC Housing		25
Rim IC Housing		26
Single Cylinder European Profile		27
Double Cylinder European Profile		28
Single Cylinder European Profile with Thumbturn		29

Mechanical Pushbutton Mechanism		40
Insertion Or Swipe Credit-Card Readers		50
Keypads – Membrane Or Switch Input Readers		51
Electrical Contact Readers		52
Single Or Bi-Directional Readers Employing Antennas		53
Optical Readers		54
Biometric Readers		55

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**Certified Auxiliary Locks & Associated Products
A156.5 2008 Heavy Duty Deadbolts
GRADE 1 Deadbolts**

ANSI Function #

Licensees Catalog Designation

E0152

CRB800 SINGLE CYLINDER & THUMBTURN

E0142

CRB700 DOUBLE CYLINDER

PREFIX: IC- INTERCHANGEABLE CORE

FINISH TYPE

BHMA CODE/CATEGORY

LICENSEE'S CATALOG

SATIN BRONZE

709, 680 (612E)

US10

ANTIQUÉ BRONZE OILED

710, 704 (613E)

US10B

BRIGHT CHROME

712, 681 (625E)

US26

SATIN CHROME

713, 682 (626E)

US26D

BRIGHT BRASS

707, 677 (605E)

US3

SATIN BRASS

688, 678 (606E)

US4

Interconnected Locks & Latches

ANSI/BHMA A156.12

2017

DIRECTORY



GENERAL INFORMATION

DESCRIPTION AND NUMBER OF SERIES 5000 INTERCONNECTED LOCK FUNCTIONS (A156.12)

F95 Entry Lock Latch bolt operated by lever from either side. Rotating turn from inside or key from outside extends dead bolt to locked position. Both dead bolt and latch bolt are retracted to unlocked position by operating inside lever.

F96 Entry Lock Deadlocking latch bolt is operated by lever from either side except when outside lever is made inoperable by locking device inside. When outside lever is locked, deadlocking latch bolt is operated by key outside restoring inside locking devices to unlocked position. Rotating turn from inside or key from outside extends dead bolt to locked position. Operating inside lever retracts both dead bolt and latch bolt. Closing door shall not release locking device inside.

F97 Entry Lock Deadlocking latch bolt is operated by lever from either side except when outside lever is made inoperable by locking device inside. When outside lever is locked, deadlocking latch bolt is operated by key outside. Inside locking device is manually operated to unlock outside lever. Rotating turn from inside or key from outside extends dead bolt to locked position. Operating inside lever retracts both dead bolt and latch bolt. Closing door shall not release locking device inside.

F98 Storeroom Lock Key in upper cylinder projects or retracts dead bolt. Inside lever retracts both dead bolt and latch bolt. Deadlocking latch bolt is operated by key in lever outside or by operating inside lever. Outside lever always inoperable. At the option of the individual manufacturer, operating the key in the outside lever shall permit the latch bolt to be retracted by operating the outside lever, providing the key cannot be removed in the unlocked position.

F99 Dormitory Lock Deadlocking latch bolt is operated by lever from either side except when outside lever is made inoperable by locking device inside. When outside lever is locked, deadlocking latch bolt is operated by key outside, restoring inside locking device to unlocked position. Operating inside lever retracts both dead bolt and latch bolt. Closing door releases locking device inside.

F100 Hotel Motel Lock Deadlocking latch bolt is operated by key outside or operating inside lever. Outside lever is always inoperable. Rotating turn from inside or key from outside shall extend dead bolt to locked position. Both dead bolt and deadlocking latch bolt are permitted to be retracted individually by key outside. Operating inside lever retracts both dead bolt and latch bolt. A visual occupancy indicator shall be operated from inside and shut out all keys in lever or knob except an emergency key. Operating inside lever shall release indicator and shut out feature unless fixed in a shut out position by a special tool.

F102 Handle Set Trim Thumbpiece on outside and lever on inside retracts latch. Rotating turn from inside or key from outside extends dead bolt to locked position. Both dead bolt and latch bolt are retracted to unlocked position by operating inside lever.

F103 Handle Set Trim Deadlocking latch bolt is operated by thumbpiece outside or lever inside except when outside thumbpiece is locked or made inoperative by locking device inside or by key outside. When outside thumbpiece is locked or inoperative, deadlocking latch bolt and dead bolt are retracted by key or key and thumbpiece operation outside, or by operating inside lever. Rotating turn inside or key outside extends dead bolt to locked position. Thumbpiece outside remains locked or inoperative until unlocked by locking device inside or by key outside.

F104 Entry Lock Deadlocking latch bolt is operated by lever from either side except when outside lever or knob is made inoperable by locking device inside. When outside lever is locked, deadlocking latch bolt is operated by key outside, restoring inside locking device to unlocked position. Rotating turn from inside or key from outside extends dead bolt to locked position. Operating inside lever, key outside and turn inside bolt retract both dead bolt and deadlocking latch. Closing door shall not release locking device inside.

F105 Entry Lock Deadlocking latch bolt is operated by lever from either side except when outside lever is made inoperable by locking device inside. When outside lever is locked, deadlocking latch bolt is operated by key outside. Inside locking device shall be manually operated to unlock outside lever. Rotating turn from inside or key from outside extends dead bolt to locked position. Operating inside lever, key outside and turn inside retract both dead bolt and latch bolt. Closing door shall not release locking device inside.

F106 Dormitory Lock Deadlocking latch bolt is operated by lever from either side except when outside lever is made inoperable by locking device inside. When outside lever is locked, deadlocking latch bolt is operated by key outside, restoring inside locking device to unlocked position. Rotating turn from inside or key from outside extends dead bolt to locked position. Operating inside lever, key outside and turn inside retract both dead bolt and latch. Closing door releases locking device inside.

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**Interconnected Locks
SERIES 5000-A156.12
GRADE 2**

ANSI Function #

Licensees Catalog Designation

F95

HIL00

PREFIX: IC- INTERCHANGEABLE CORE

<u>FINISH TYPE</u>	<u>BHMA CODE/CATEGORY</u>	<u>LICENSEE'S CATALOG</u>
SATIN BRONZE	709, 680 (612E)	US10
ANTIQUE BRONZE OILED	710, 704 (613E)	US10B
BRIGHT CHROME	712, 681 (625E)	US26
SATIN CHROME	713, 682 (626E)	US26D
BRIGHT BRASS	707, 677 (605E)	US3
SATIN BRASS	688, 678 (606E)	US4
SATIN NICKEL	619, 619E	US15
SATIN NICKEL OXIDIZED	647	US15A

Mortise Locks

ANSI/BHMA A156.13

2017

DIRECTORY



GENERAL INFORMATION

DESCRIPTION AND NUMBER OF SERIES 1000 MORTISE LOCK FUNCTIONS (A156.13)

FUNCTION NUMBER AND DESCRIPTIONS

In the following mortise lock descriptions, the functions are described using lever trim for brevity and clarity. It is acceptable to use models with knobs, paddles, or thumb pieces wherever levers are referenced.

Some functions may be available with electrical operation in place of mechanical operation. The basic function shall remain the same as described.

F01 Passage or Closet Latch Latch bolt operated by lever from either side at all times.

F02 Privacy, Bedroom or Bath Lock Latch bolt operated by lever from either side. Dead bolt operated by turn from inside and by emergency release from outside.

F03 Communicating Lock Latch bolt operated by lever from either side. Two dead bolts or split dead bolt operated independently by turns from both sides. Not to be used on doors in rooms that have no other entrance.

F04 Entry Lock Latch bolt operated by lever from either side except when outside lever is made inoperative by a stop or mechanical means other than key. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever. Auxiliary dead latch.

F05 Classroom Lock Latch bolt operated by lever from either side except when outside lever or knob is locked from outside by key or push button mechanism. When outside lever is locked, latch bolt is retracted by key, or by operating key or push button mechanism and outside lever from outside or by operating inside lever. Auxiliary dead latch.

F06 Holdback Lock Latch bolt operated by lever from either side except when outside lever is locked from outside by key. Latch bolt can be locked in a retracted position by key. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever unless latch bolt has been locked in a retracted position. Auxiliary dead latch.

F07 Storeroom or Closet Lock Latch bolt operated by key from outside or by operating inside lever. Outside lever is always inoperative. Auxiliary dead latch.

F08 or F10 Front Door Lock or Apartment Corridor Door Lock Latch bolt is operated by lever from either side, except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt is operated by turn inside. Key outside operates both bolts.

F09 Apartment, Exit or Public Toilet Lock Latch bolt operated by lever from either side, except when outside lever is locked by key from inside. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever. Auxiliary dead latch.

F10 See F08

F11 Dormitory or Exit Lock Latch bolt operated by lever from either side except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt projected by key from either side. Dead bolt retracted by key from outside. Both bolts retracted by inside lever and outside remain locked.

F12 Dormitory or Exit Lock Latch bolt operated by lever from either side, except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt projected by key from outside and by turn from inside. Dead bolt retracted by key from outside and by turn from inside. Operating inside lever retracts both bolts and outside remains locked.

F13 Dormitory or Exit Lock Latch bolt operated by lever from either side. Dead bolt projected by key from outside and turn from inside. Operating inside lever retracts both bolts and unlocks outside.

F14 Store Door Lock Latch bolt operated by lever from either side. Dead bolt operated by key from either side.

F15 Hotel Guest Lock Latch bolt operated by key from outside or by operating inside lever. Outside lever is always inoperative. Dead bolt projected by turn from inside and all keys except emergency and display key are shut out. Operating inside lever retracts both bolts. Auxiliary dead latch. Indicator button when so specified.

F16 Dead Lock Dead bolt operated by key from either side.

F17 Dead Lock Dead bolt operated by key from outside and by turn from inside.

F18 Dead Lock Dead bolt operated by key from outside only.

F19 Privacy, Bedroom or Bath Lock Latch bolt operated by lever from either side. Dead bolt operated by turn from inside and emergency release from outside. Operating inside lever retracts both bolts.

F20 Apartment Corridor Door Lock Latch bolt operated by lever from either side, except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt operated by key outside or turn inside. Key outside operates both bolts. Operating inside lever retracts both bolts and outside remains locked. Latch bolt is deadlocked when outside lever is made inoperative or when the dead bolt is projected. When dead bolt is retracted, lever is unlocked by stop or mechanical means other than key.

F21 Room Door Lock Latch bolt operated by lever from either side. Dead bolt operated by key from outside and turn from inside.

F22 Privacy, Bedroom or Bath Lock Latch bolt operated by lever from either side except when outside lever is locked by inside turn or button. Operating inside lever, closing door or operating outside emergency release unlocks outside lever.

F23 Function obsolete.

F24 Apartment or Store Door Handle Lock Latch bolt operated by thumb piece on both sides, except when outside thumb piece is locked by key from inside. When outside thumb piece is locked, latch bolt is retracted by key outside or by thumb piece inside. Auxiliary dead latch.

F25 Store Door Handle Lock Latch bolt operated by thumb piece from either side. Dead bolt operated by key from either side.

F26 Institutional Privacy Latch bolt operated by lever from either side except when outside lever is locked by turn inside. Latch bolt by key outside with override of turn inside when manually held in locked position. Operating inside lever or closing door unlocks outside lever. Auxiliary dead latch.

F27 Automatic Dead Bolt Lock Dead bolt projected by depressing auxiliary latch or other device to sense door closure. Dead locking latch bolt. Dead and latch bolts remain dead locked if auxiliary latch is extended before dead bolt is retracted. Rotating inside lever retracts bolts. When outside lever is locked, all bolts are retracted by key, or by operating key and outside lever.

F28 Automatic Dead Bolt Lock Dead bolt projected by depressing auxiliary latch or other device to sense door closure. Rotating inside lever retracts bolt. When outside lever is locked, bolt is retracted by key, or by operating key and outside lever.

F29 Classroom Dead Lock Key from outside operates dead bolt. Turn from inside retracts but does not project dead bolt.

F30 Asylum or Institutional Lock Latch bolt operated by key from either side. Both levers always inoperative. Auxiliary dead latch.

F31 Exit or Communicating Lock Latch bolt operated by lever from inside. Non removable blank trim or no trim outside. Auxiliary dead latch.

F32 Intruder Latch Bolt Lock Latch bolt operated by lever from either side except when outside lever is locked from inside or outside by key. When outside lever is locked, latch bolt is retracted by key from inside or outside or by operating inside lever. Auxiliary dead latch.

F33 Intruder Dead Bolt Lock Latch bolt operated by lever from either side except when outside lever is locked from inside or outside by key. Dead bolt retracted by key from inside or outside. Operating inside lever retracts both bolts and unlocks outside.

F34 Intruder Dead Bolt Lock Latch bolt operated by lever from either side except when outside lever is locked from inside or outside by key. Dead bolt retracted by key from inside or outside. Operating inside lever retracts both bolts and unlocks outside. Auxiliary dead latch or latch bolt dead locked when dead bolt is thrown.

F35 Store Door Lock Latch bolt operated by lever from either side, except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt operated by key from either side.



**Certified Locks and Latches
A156.13-2012 Mortise Locksets**

Grade 1

ANSI FUNCTION #

Licensees Catalog Designation

F20	SC8453 (ENTRANCE)
F15	SC8415 (HOTEL GUEST LOCK)
F34	SC8458 (CLASSROOM SECURITY LOCK W/ DEADBOLT AND AUXILARY LATCH)
F04	SC8050 (OFFICE)
F32	SC8071 (CLASSROOM SECURITY LOCK)
F05	SC8070 (CLASSROOM)
F07	SC8080 (STOREROOM)
F09	SC8060 (APARTMENT ENTRANCE/VESTIBULE)
F30	SC8082 (INSTITUTION LOCK)
F13	SC8456 (CORRIDOR /EXIT)
F14	SC8466 (STORE UTILITY)
F21	SC8473 (DORMITORY/BEDROOM)
F33	SC8457 (CLASSROOM/SECURITY DEADBOLT)
F02, F19, F22	SC8040 (PRIVACY)
F01	SC8010 (PASSAGE)
F22	SC8022 (PRIVACY, BEDROOM OR BATH LOCK)
F14	SC8462 (STORE/UTILITY)
F17	SC8460 (CYLINDER X THUMBTHURN LOCK)
F18	SC8464 (CYLINDER LOCK)
F29	SC8463 (CLASSROOM LOCK)

TRIMS:

LEVERS: SS, RS, JS, GS
ESCUTCHEONS: SE, TE, JE, GE
KNOB: KS
ESCUTCHEON KNOB: KE



**Certified Locks and Latches
A156.13-2012 MORTISE LOCKSETS
GRADE 1**

<u>ANSI TYPE</u>	<u>LICENSEE'S CATALOG</u>	<u>FUNCTION DESCRIPTION ESCUTCHEON & SECTIONAL</u>
GRADE 1 MORTISE LOCKSET, NM Series		
F01	NM8010	PASSAGE
F02	NM8040	PRIVACY
F19	NM8040	PRIVACY WITH DEADBOLT
F22	NM8040	BATH/BEDROOM PRIVACY LOCK
---	NM8044	PRIVACY W/ OUTSIDE COIN TURN
F04	NM8050	OFFICE AND INNER ENTRY LOCK
---	NM8056	OFFICE WITH AUTOMATIC UNLOCKING
F09	NM8060	APARTMENT ENTRANCE/VESTIBULE
F05	NM8070	CLASSROOM
F32	NM8071	CLASSROOM SECURITY
F06	NM8076	CLASSROOM HOLD BACK LOCK
---	NM8077	CLASSROOM SECURITY HOLDBACK LOCK
F07	NM8080	STOREROOM
F30	NM8082	INSTITUTION LOCK
---	NM8170	SINGLE FIXED DUMMY
---	NM8172	DOUBLE FIXED DUMMY
---	NM8175	HALF DUMMY TRIM WITH LOCK CASE
---	NM8176	FULL DUMMY TRIM WITH LOCK CASE
---	NM8444	PRIVACY W/ DEADBOLT AND OUTSIDE COIN TURN
---	NM8445	PRIVACY W/ DEADBOLT AND OUTSIDE COIN TURN AND INDICATOR
F20	NM8453	ENTRANCE LOCK
F13	NM8456	CORRIDOR LOCK
F33	NM8457	CLASSROOM SECURITY LOCK WITH DEADBOLT
---	NM8458	CLASSROOM SECURITY LOCK WITH DEADBOLT AND AUXILIARY LATCH
F17	NM8460	CYLINDER X THUMB TURN LOCK
F16	NM8462	DOUBLE CYLINDER LOCK
F18	NM8464	CYLINDER LOCK
---	NM8465	CLOSET/STOREROOM LOCK
F14	NM8466	STORE/UTILITY ROOM W/DEADBOLT
F21	NM8473	DORMITORY/BEDROOM LOCK
---	NM8485	FACULTY/HOTEL/RESTROOM
F15	NM8486	FACULTY/HOTEL/RESTROOM LOCK W/INDICATOR
---	NM8495	OFFICE AND INNER ENTRY LOCK WITH AUTOMATIC UNLOCKING

**Includes Interchangeable Core Cylinders on select functions*



CERTIFIED TRIMS

LEVER DESIGN

SECTIONAL TRIMS
ESCUTCHEON TRIMS

C,D,H,V,Y,S,T,J,G,F,I,M,P,Q,R,W,X,Z
CS,DS,HS,VS,YS,KS,SS,TS,JS,GS,FS,IS,MS,PS,QS,RS,WS,XS,ZS
CE,DE,HE,VE,YE,KE,SE,TE,JE,GE,FE,IE,ME,PE,QE,RE,WE,XE,ZS

CERTIFIED FINISHES

SYMBOL	BHMA	DESCRIPTION
US26D	626	SATIN CHROME
US32D	630	SATIN STAINLESS STEEL

Self-Closing Hinges

ANSI/BHMA A156.17

2017

DIRECTORY



GENERAL INFORMATION

EXPLANATION OF TYPE NUMBERS (A156.17)

First letter denotes BHMA Product Section (K).

First numeral indicates material used:

- 1 - Cast, Forged or Extruded Brass or Bronze
- 2 - Wrought Brass or Bronze
- 5 - Stainless Steel
- 6 - Malleable Iron
- 8 - Wrought Steel

Second numeral identifies the type of product:

- 1 - Spring Hinge
- 2 - Gravity or Spring Hinge Pivot
- 3 - Gate Spring Pivot Hinge
- 4 - Screen Door Hinge
- 7 - Miscellaneous Items

Third and fourth numerals are nonsignificant and are used to make each type number different.

The fifth numeral designates the grade classification of the product:

- 1 - Grade 1
- 2 - Grade 2
- 3 - Grade 3
- 4 - Grade 4 (no tests are required)

Example of identifying number:

K81081

K - Section K

8 - Material (wrought steel)

1 - Type of product (spring hinge)

08 - nonsignificant and are used to make each type number different.

1 - Grade 1 (Grade determinations are made on the basis of the required performance test levels.)

The suffix letter F, where used in the identification number, indicates the hinge is listed for use on fire doors. As shown in the hinge descriptions on paragraph 7, only Grade 1 spring hinges are eligible for fire door listings.

CAL-ROYAL PRODUCTS, INC.

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A156.17 2009 SPRING HINGES

<u>ANSI TYPE PART #</u>	<u>HINGE TYPE</u>	<u>CAL-ROYAL</u>
K81071	3 ½ X 3 ½ FULL MORTISE/ UL LISTED	SH-35R (RC) ¼" RAD
K81071 RAD	3 ½ X 3 ½ FULL MORTISE/ UL LISTED	SH3558R (RC) 5/8
K81071	3 ½ X 3 ½ FULL MORTISE/ UL LISTED	SCSH35
K81071 TEMPLATE	4 X 4 FULL MORTISE/ UL LISTED	SH44R (RC) ¼ RAD
K81071 RAD NON TP	4 X 4 FULL MORTISE/ UL LISTED	SH4458R (RC) 5/8
K81071 RAD BEN	4 X 4 FULL MORTISE/ UL LISTED	BENSH4458R (RC) 5/8
K81071	4 ½ X 4 FULL MORTISE/ UL LISTED	SH454
K81071	4 ½ X 4 ½ FULL MORTISE/ UL LISTED	SH140

NOTES: ALL HINGES ARE STEEL AND ANYTHING THAT IS ORDERED WITH 32D IS STAINLESS STEEL. ALL HINGES ARE ANSI TEMPLATES AND HINGE TESTING CONFORMS TO ANSI 156.1.