

hes®

ASSA ABLOY

2012 Catalog

Folger Adam Electric Strikes & Accessories

ASSA ABLOY, the global leader in door opening solutions

FOLGER ADAM®

"durable, high-quality electric strikes"

A proud history. Founded in 1880 by William J. Adam, the company initially manufactured ornamental fencing and grillwork. His son, Folger, later changed the company name to Folger Adam® and focused on manufacturing detention cells.

By the early 20th century, Folger Adam expanded our product offering to include a wide variety of mechanical locks and locking hardware.

Today, we're building on that tradition by offering high quality electric strikes for installations that require extra heavy duty durability and tamper resistance.

A bright future. Now part of Hanchett Entry Systems, Inc.'s® (HES) new LEED Silver designed facility in Phoenix, Arizona, Folger Adam continues to satisfy a wide variety of access control requirements in commercial, industrial and institutional applications.

On behalf of our entire team, thank you for buying Folger Adam products!

Customer Service

Do you have a question concerning HES, but don't know who to contact? We're here to help, and you can contact us in the following ways:

- Talk to us. Call us at 800.626.7590 to talk to a Customer Service representative from 7:30 AM to 4 PM Mountain Standard Time.
- Email us at customercare@assaabloyems.com.
- Visit www.hesinnovations.com to learn more about HES products and services.
- Visit www.hesinnovaciones.com to review product information in Spanish.

Discontinued Product

The following product has been discontinued. Should you have any questions, please contact Customer Support at 800.626.7590:

- 310-2 3/4U

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Folger Adam Electric Strikes





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310-2



310-2-3/4



310-2 3/4OB



310-3-1

MORTISE LOCKS WITH DEADBOLTS

MORTISE LOCKS WITHOUT DEADBOLTS

CYLINDRICAL LOCKSETS

Industrial grade electric strikes for use with **cylindrical locks, mortise locks** & **mortise exit** devices

310-2

For a 1/2" or 5/8" throw latchbolt (without deadbolt) on single and pairs of doors

1/2" keeper standard

310-2-3/4

For a 3/4" throw latchbolt (without deadbolt) on single doors

3/4" keeper standard

310-2 3/4OB

For a pair of doors, without a door coordinator, which are equipped with a lock having a ¾" throw latchbolt (without deadbolt)

3/4" keeper standard

310-3-1

For a lockset with both a 3/4" throw latchbolt and a 1" throw deadbolt

- Deadbolt must be retracted manually.
- Position of block within cavity is adjustable for RH and LH applications.

1" keeper standard

NOTE: These products will require relocation of the center line when used with mortise locks. Consult HES customer support regarding use with the Best 40 series.

Specifications

- UL 10C fire-rated, 3-hour single door (fail secure only)
- UL 10C fire-rated, 3-hour double door (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- D0D approved
- New York City accepted
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

Electrical

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance rating 500,000 cycles
- Horizontally adjustable keeper allows for door and frame misalignment
- 1/2" keeper depth (310-2)
- 3/4" keeper depth (310-2 3/4 and 310-2 3/4OB)
- 1" keeper depth (310-3-1)
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five-year limited warranty

Optional Features

- Fail Safe
- LCBMA - Latchbolt & Locking Cam Monitor with Auxiliary Switch (all except 310-2-3/4OB)

Accessories

150 - Strike latch guard

152 - Universal mounting tabs

310-2-3 - Strike latch guard (astragal)

2001-1 - Wire-in bridge rectifier

2001M - Plug-in bridge rectifier

2004M - ElectroLynx® adapter

2005M3 - SMART Pac III™

2006M - Plug-in buzzer

Finishes

630 - Satin stainless steel

605 - Bright brass

606 - Satin brass

612 - Satin bronze

613 - Bronze toned

629 - Bright stainless steel

FIRE RATED

UL 1034 BURGLARY LISTED

BHMA ANSI 1 GRADE 1

FOLGER ADAM®



310-4



310-4S

Industrial grade electric strikes for use **with rim exit devices**

These heavy duty electric strikes offer amazing versatility. Both the 310-4 and 310-4S come with a standard 3/4" thick faceplate, suitable for metal frames. For aluminum frames, an integrated shim quickly unscrews to create a 1/2" thick faceplate.

310-4

For up to 3/4" pullman style latchbolts on single doors

PK keeper standard

310-4S

For squarebolt style latchbolts like

- Corbin Russwin® ED4200S, ED5200S and ED5200SA SecureBolt™
- Yale® 7150(F), 7250, 7270M(F) Squarebolt® Exit Devices

SK keeper standard

Specifications

- UL 10C, 3-hour fire-rated (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

RIM EXIT DEVICES

Electrical

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

Standard Features

- Integrated shim for quick customization of faceplate thickness (3/4" to 1/2")
- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance rating 500,000 cycles
- Integrated ramps for better deadlatch handling
- Set screws for horizontal lockdown
- In-frame horizontal adjustability
- Wider faceplate (1-3/4") for greater versatility
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five-year limited warranty

Optional Features

- Fail Safe
- LCBMA - Latchbolt & Locking Cam Monitor with Auxiliary Switch

Accessories

SMB - Surface mounting box

2001-1- Wire-in bridge rectifier

2001M - Plug-in bridge rectifier

2004M - ElectroLynx® adapter

2005M3 - SMART Pac III™

2006M - Plug-in buzzer

Finishes

630 - Satin stainless steel

605 - Bright brass

606 - Satin brass

612 - Satin bronze

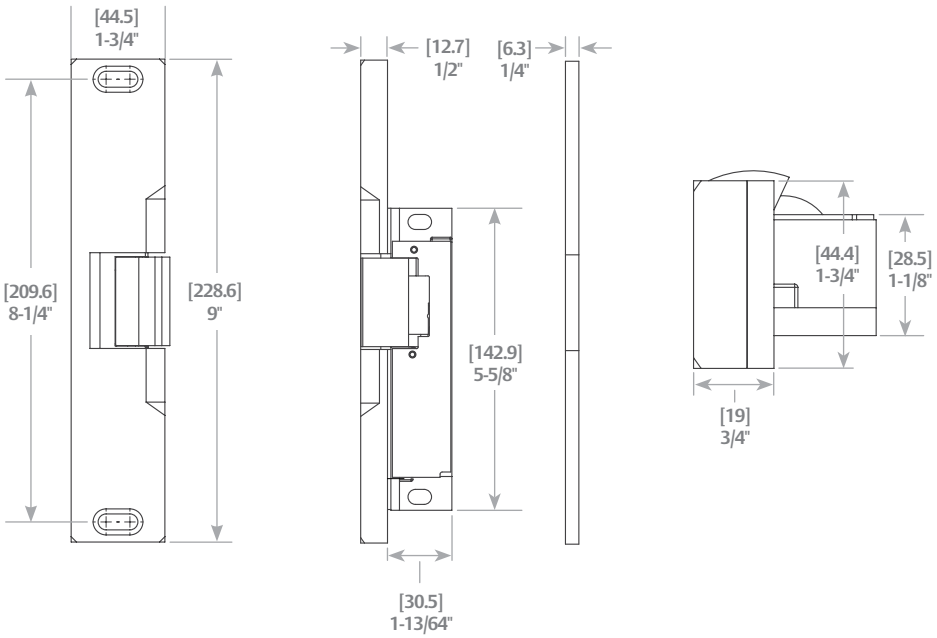
613 - Bronze toned

629 - Bright stainless steel

FIRE RATED

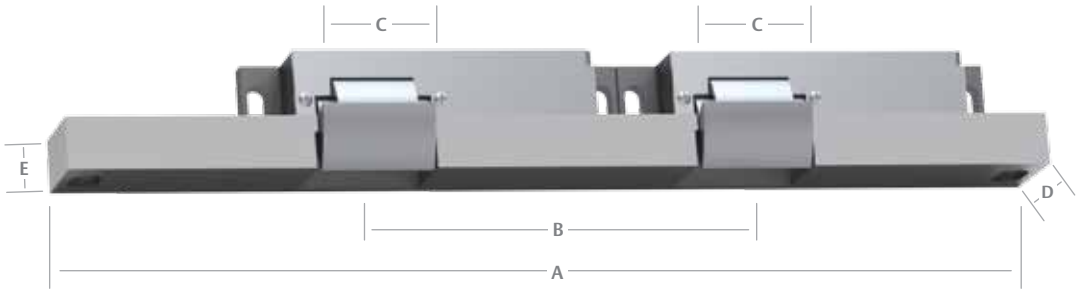
UL 1034 BURGLARY LISTED

BHMA ANSI 1 GRADE 1



model 310-4 shown

FOLGER ADAM



	A	B	C	D	E
310-4-1	13-3/8"	4-3/8"	1-13/16"	1-1/2"	3/4"
310-4-2	14"	5"	1-13/16"	1-1/2"	3/4"
310-4-3	14-5/8"	5-5/8"	1-13/16"	1-1/2"	3/4"
310-4-30	12"	3"	1-13/16"	1-1/2"	3/4"

Use on pairs of doors (without mullion) with **surface vertical-rod exit devices** having a swinging, pullman style latchbolt

SPECIALTY
SPECIALTY LOCKSETS

310-4-1
For both leaves of a pair of doors when spacing of the vertical rod is between 4" and 4-3/4"
PK keeper standard

310-4-2
For both leaves of a pair of doors when spacing of the vertical rods is between 4-5/8" and 5-3/8"
PK keeper standard

310-4-3
For both leaves of a pair of doors when spacing of the vertical rods is between 5-1/4" and 6"
PK keeper standard

310-4-30
For both leaves of a pair of doors when spacing of the vertical rods is between 2-5/8" and 3-3/8"
PK keeper standard

Specifications

- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- DOD approved
- New York City accepted

Electrical

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Adjustable keeper to allow for door and frame misalignment
- Pullman keeper
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five-year limited warranty

Note: Double-door models are available with four different center-to-center dimensions between latchbolt keepers. Keepers are wide enough to compensate for vertical-rod exit bolts which may be as much as 3/8" (10mm) off center-to-center dimension, either way.

Note: When using an electric strike in conjunction with a vertical-rod exit device:

1. *The bottom rod of the exit device must be removed or made inoperative.*
2. *The latchbolt of the exit device must be the "Pullman" or beveled type.*
3. *The latchbolt must be free-latching and remain projected while the door is open. Mechanisms that hold the latchbolt retracted while the door is open, and automatically release it when the door is closed, must be removed or made inoperative.*

Optional Features

- Fail Safe
- LCBMA - Latchbolt & Locking Cam Monitor with Auxiliary Switch

Accessories

2001-1- Wire-in bridge rectifier

2001M - Plug-in bridge rectifier

2004M - ElectroLynx® adapter

2005M3 - SMART Pac III™

2006M - Plug-in buzzer

Finishes

630 - Satin stainless steel

605 - Bright brass

606 - Satin brass

612 - Satin bronze

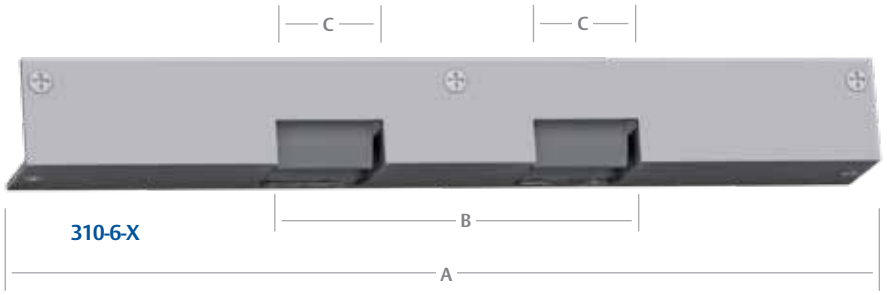
613 - Bronze toned

629 - Bright stainless steel

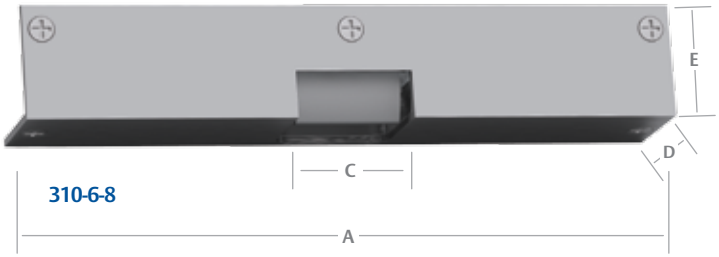
UL 1034
BURGLARY LISTED

BHMA ANSI 1
GRADE 1

FOLGER ADAM®



310-6-X



310-6-8

	A	B	C	D	E
310-6-1	14-1/2"	4-3/8"	1-13/16"	1-3/4"	1-3/4"
310-6-2	15-1/8"	5"	1-13/16"	1-3/4"	1-3/4"
310-6-3	15-3/4"	5-5/8"	1-13/16"	1-3/4"	1-3/4"
310-6-30	13-1/8"	3"	1-13/16"	1-3/4"	1-3/4"
310-6-8	10-7/8"	-	1-13/16"	1-3/4"	1-3/4"

Use on pairs of doors (without mullion) with **concealed, vertical-rod exit devices** having a 1/2" or 5/8" throw latchbolt

SPECIALTY
SPECIALTY LOCKSETS

310-6-8
For only the active leaf of a pair
PK keeper standard

310-6-1
For both leaves of a pair of doors when spacing of the vertical rods is between 4" and 4-3/4"
PK keeper standard

310-6-2
For both leaves of a pair of doors when spacing of the vertical rods is between 4-5/8" and 5-3/8"
PK keeper standard

310-6-3
For both leaves of a pair of doors when spacing of the vertical rods is between 5-1/4" and 6"
PK keeper standard

310-6-30
For both leaves of a pair of doors when spacing of the vertical rods is between 2-5/8" and 3-3/8"
PK keeper standard

Specifications

- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- DOD approved
- New York City accepted

Electrical

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Adjustable keeper allows for door and frame misalignment
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five-year limited warranty

Note: Double-door models are available with four different center-to-center dimensions between latchbolt keepers. Keepers are wide enough to compensate for vertical-rod exit bolts, which may be as much as 3/8" (10mm) off center-to-center dimension, either way.

Note: When using an electric strike in conjunction with a vertical-rod exit device:

1. *The bottom rod of the exit device must be removed or made inoperative.*
2. *The latchbolt of the exit device must be the "Pullman" or beveled type.*
3. *The latchbolt must be free-latching and remain projected while the door is open. Mechanisms that hold the latchbolt retracted while the door is open, and automatically release it when the door is closed, must be removed or made inoperative.*

Note: The electric strike will not operate with a deadbolt style vertical rod.

Optional Features

- Fail Safe
- LCBMA - Latchbolt & Locking Cam Monitor with Auxiliary Switch

Accessories

2001-1- Wire-in bridge rectifier

2001M - Plug-in bridge rectifier

2004M - ElectroLynx® adapter

2005M3 - SMART Pac III™

2006M - Plug-in buzzer

Finishes

612 - Satin bronze

627 - Satin aluminum

UL 1034
BURGLARY LISTED

BHMA ANSI 1
GRADE 1

FOLGER ADAM®



712



712-75



732



732-75

Industrial grade electric strikes for use with **cylindrical locks, mortise locks*** & **mortise exit** devices

MORTISE LOCKS WITHOUT DEADBOLTS

CYLINDRICAL LOCKSETS

712

For use with 1/2" to 5/8" throw latchbolts in hollow-metal frame applications.

1/2" keeper standard

712-75

For use with 1/2"**, 5/8"** or 3/4" throw latchbolts in hollow-metal frame applications.

3/4" keeper standard

732

For use with 1/2"** to 5/8"** throw latchbolts in wood frame applications. Features an offset solenoid.

1/2" keeper standard

732-75

For use with 1/2", 5/8" or 3/4" throw latchbolts in wood frame applications. Features an offset solenoid.

3/4" keeper standard

**NOTE: These products will require relocation of the center line when used with moritse locks. Consult HES customer support regarding use with the Best 40 series.*

***NOTE: When using LBMLCM with a 1/2" or 5/8" latchbolt detection may be dependent on the door gap.*

Specifications

- UL 10C fire-rated, 3-hour single door (fail secure only)
- UL 10C fire-rated, 3-hour double door (fail secure only)
- CAN4-S104 (ULC-S104) fire door confomant
- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- DOD approved
- New York City accepted
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

Electrical

- .29 Amps @ 12VDC continuous duty
- .15 Amps @ 24VDC continuous duty

Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Horizontally adjustable keeper allows for door and frame misalignment
- 1/2" keeper depth (712 and 732)
- 3/4" keeper depth (712-75 and 732-75)
- Non-handed
- Fail Secure (standared)
- Plug-in connector
- Five-year limited warranty

Optional Features

- Fail Safe
- LBMLCM - Latchbolt & Locking Cam Monitor

Accessories

150 - Strike latch guard

152 - Universal mounting tabs

2001-1 - Wire-in bridge rectifier

2001M - Plug-in bridge rectifier

2004M - ElectroLynx® adapter

2005M3 - SMART Pac III™

2006M - Plug-in buzzer

Finishes

630 - Satin stainless steel

605 - Bright brass

606 - Satin brass

612 - Satin bronze

613 - Bronze toned

629 - Bright stainless steel

FIRE RATED

UL 1034 BURGLARY LISTED

GRADE 1

FOLGER ADAM®



Industrial grade electric strikes for use with **cylindrical locks, mortise locks*** & **mortise exit** devices

This heavy duty electric strike works with all major mortise and cylindrical locksets. With multiple brackets and filler blocks included standard in every box, this is the one strike to choose when you're uncertain of which lockset you may encounter.

MORTISE LOCKS WITHOUT DEADBOLTS

CYLINDRICAL LOCKSETS

742-75

For use with 1/2"**, 5/8"** or 3/4" throw latchbolts in hollow-metal frame applications.

Specifications

- UL 10C fire-rated, 3-hour single door (fail secure only)
- UL 10C fire-rated, 1-1/2 hour double door (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

**NOTE: 742-75 is designed to work with a variety of mortise locks without deadbolts, including the Schlage L9000 and Yale 8800 without relocating the strike prep in the frame. Consult HES customer support regarding use with the Best 40 series.*

***NOTE: When using LBMLCM with a 1/2" or 5/8" latchbolt, detection may be dependent on the door gap.*

Electrical

- .29 Amps @ 12VDC continuous duty
- .15 Amps @ 24VDC continuous duty

Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance rating 500,000 cycles
- Horizontally adjustable keeper to allow for door and frame misalignment
- Deadlatch tabs included
- 3/4" keeper depth
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Full keeper shim
- Five-year limited warranty

Optional Features

- Fail Safe
- LBMLCM - Latchbolt & Locking Cam Monitor

Accessories

150 - Strike latch guard

152 - Universal mounting tabs

2001-1- Wire-in bridge rectifier

2001M - Plug-in bridge rectifier

2004M - ElectroLynx® adapter

2005M3 - SMART Pac III™

2006M - Plug-in buzzer

Finishes

630 - Satin stainless steel

605 - Bright brass

606 - Satin brass

612 - Satin bronze

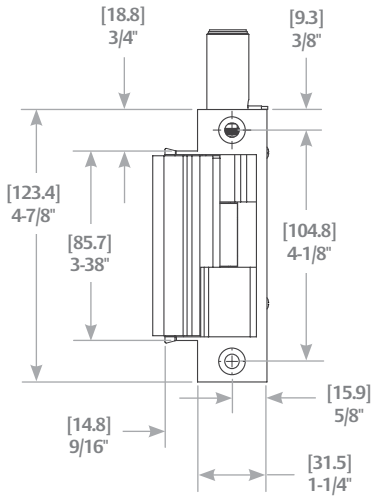
613 - Bronze toned

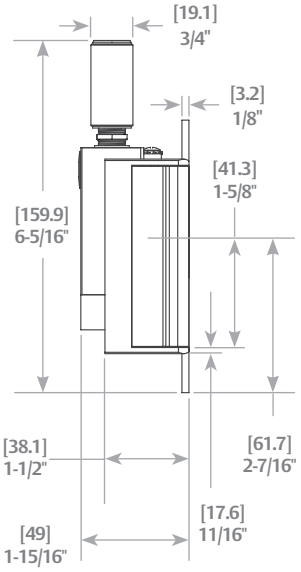
629 - Bright stainless steel

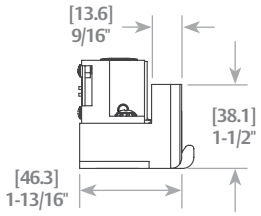
FIRE RATED

UL 1034
BURGLARY LISTED

BHMA ANSI
GRADE 1







FOLGER ADAM

Electrical Accessories

item	accessory	description
	**2001M:** Plug-in bridge rectifier	**Converts AC to DC.** 35 V, 1 Amp *(Includes MOV and self-resettable fuse).*
	**2001-1:** Wire-in bridge rectifier	**Converts AC to DC.** 35 V, 2 Amp
	**2002:** Universal AC transformer	**Converts 120/208/240 VAC to 12 or 24 VAC output.** 24V, 1.67Amp max
	**2002P-24:** AC plug-in transformer	**Converts 110/120 VAC to 24 VAC output.** 1.5A max
	**2004M:** ElectroLynx® adapter	**Adapter between existing HES electric strikes** and ElectroLynx® connectors
	**2005M3:** SMART Pac III™	**In-line power controller able to receive input voltages from 12-32V AC or DC.** Built-in bridge rectifier. Reduces initial voltage by 25% to extend the life of the electric strike. Includes built-in resettable fuse, MOV, voltage regulation and input status LED.
	**2006M:** Plug-in buzzer	**Audible operation** indicator. At 24VDC decible reading 75 at 11-3/4"
	**2007M:** Plug-in pigtail connectors	With 4" wire leads

Hardware Accessories

item	accessory	description
	**150:** Strike latch guard	**Stainless steel.** Installed at the edge of the door to cover the lock and electric strike *(Available in 626 finish only).*
	**310-2-3:** Strike latch guard (astragal)	**Designed to prevent tampering with the latchbolt and latchbolt keeper.** Available for 300 Series electric strikes. Standard finish is 630. Torx screws included.
	**SMB:** Surface mounting box	**Installs on inactive door of pair of doors to accommodate rim-exit devices.** To be used with the 310-4 or 310-4S Series *(black finish only)*
	**152:** Universal mounting tabs	**Mount inside hollow metal** and aluminum jambs
	**157D:** Torx® security bit	**Tamper-Resistant Torx®** TR20 insert bit
	**157:** Torx® screws	**Two (2) 12-24 UNC x 3/4"** FH Tamper-Resistant Pin-in-Torx® screws

Improve the efficiency of your Folger Adam product

The SMART Pac III™ in-line power controller is specially designed to protect an electric strike from excessive voltage and power surges that can damage the strike. The SMART Pac III™ provides the pre-set voltage, either 12 or 24 VDC, for two seconds to actuate the electric strike, and then reduces the output voltage by 25% to prevent overheating, thus extending the life of the electric strike.

The SMART Pac III™ has a built-in selector switch for 12 or 24 VDC output. It also includes a self-resetting fuse that protects the controller as well as electric strike, and an MOV to protect the access control system from potential power surges. The new SMART Pac III™ has a smaller 3/4" diameter and supports both fail safe and fail secure electric strikes without additional wiring. To assist the installer, the SMART Pac III™ is equipped with Smart LEDs that show the voltage input status, acting like a simple volt meter.

Installing a SMART Pac III™ power controller with any new HES or Folger Adam product extends the 1-year warranty on electrical components, including the SMART Pac III™, to the full 3-5 year warranty term applicable to each Series mechanical component, as outlined in our standard terms and conditions.



SECURITRON®

ASSA ABLOY



SECURITRON ACCUPOWER™ DELIVERS CLEAN POWER TO ACCESS CONTROL DEVICES FOR BETTER PERFORMANCE.

When it comes to access control, systems are only as effective as the power that supports them. By better regulating and filtering output, AccuPower™ delivers clean, accurate and steady power to access control devices so they perform perfectly every time.

GO TO SECURITRON.COM OR CALL 800.624.5625 FOR MORE DETAILS.

ASSA ABLOY, the global leader
in door opening solutions.

Standard Terms and Conditions

The following Terms and Conditions ("Terms") apply to the sale by Hanchett Entry Systems, Inc. ("HES") of Folger Adam products and services ("HES products").

All transactions are subject to the latest published Terms except to the extent modified by a written agreement between the purchaser and HES executed prior to an accepted order. The purchaser agrees that HES' acceptance of any purchase order delivered by purchaser is subject to and conditioned upon these Terms. Purchase orders, quotation requests, or acknowledgements which have clauses contrary to these Terms are not binding on HES, unless specifically approved in writing by an authorized agent of HES. No order shall be binding on HES until received and approved by HES. HES expressly reserves the right to correct clerical, stenographic, and other obvious errors at any time.

Pricing

All prices are subject to change without notice. No prices are guaranteed. All shipments will be made at prices prevailing at the time of acknowledgment.

Payment Terms

Standard terms are net 30 days of invoice date.

Credit Terms

Credit terms must be established by completing an HES credit application and submitting it to HES for approval. Accounts not paid within 30 days of the date of the invoice will be considered past due, with interest accruing at 2% per month beginning on the 31st day after the date of the invoice. An order received on an account which has not been paid within 45 days from the date of invoice will not be processed until the account is current. An account remaining unpaid 60 days after the date of the invoice may be referred for collection and credit will be cancelled. HES reserves the right to revoke any credit extended to a purchaser because of purchaser's failure to pay for any goods when due or for any other reason deemed good and sufficient by HES, and in such event all subsequent shipments shall be paid for on delivery.

Freight Terms

All goods are delivered for shipment from the HES plant in Phoenix, Arizona. Purchaser agrees to pay the trucking, railway and freight charges on the goods from the point of shipment to the destination. Purchaser assumes the risk of loss or damage to the goods while in transit from the point of shipment.

Delivery

Delivery is contingent upon conditions at time of order and is subject to change. HES shall not be liable for failure or delay in shipping goods if such failure or delay is due to an act of God, war, labor difficulties, accident, inability to obtain containers or raw materials, or any other causes. Any claims of shortages must be made within 30 days of shipment and are subject to approval. HES reserves the right to make delivery in installments. Installments shall be separately invoiced and paid for when due, without regard to subsequent deliveries. Delay in delivery of an installment shall not relieve the purchaser of its obligation to accept remaining deliveries.

Changes and Cancellations

Changes to or cancellations of orders must be made in writing and delivered by email, fax or regular mail. Cancellations made after HES has issued an order acknowledgment are subject to HES approval, and are subject to a $25 processing fee in addition to any cost incurred by HES as a result of the original order.

Warranty

HES products are generally governed by an express, limited warranty ("Warranty"). All new HES products are warranted to be free from manufacturing or design defects for a period, from date of manufacture, as follows:

1 Year 'Hassle-Free' Guarantee:
All HES products, including all Series electric strikes, electromechanical locks, security controls, power supplies and electrical components.

Mechanical Components Warranty:

- **5 Years:** 300, 700 Series

Electrical Components Warranty:

- **1 Year:** All Series electric strikes
- ***3-5 Years: Installing a SMART Pac II™ power controller with any new product extends the 1 year warranty on electrical components, including the SMART Pac II™, to the 3-5 year warranty term applicable to each Series mechanical components as outlined above***

The scope of this Warranty shall be limited to the replacement, but not installation, of the defective products. This Warranty is valid in the USA and Canada only. This Warranty also does not apply to products that have been misused or damaged by accident or by any acts of humans (other than HES personnel), war, terrorism, animals, pressure, biological, nuclear, or chemical agents, nature or the government or altered or repaired outside the HES factory. The purchaser accepts the products "as is". HES MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED; AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH EXCEED THE LIMITS OF THE FOREGOING WARRANTY, ARE HEREBY DISCLAIMED BY HES.

Procedure for Claiming Under Warranty or Returns

Requests to return HES products should be made within 18 months from date of order and HES reserves the right to request date of manufacture and other product information. On goods returned for customer convenience, HES also reserves the right to request original packaging. An RMA (Return Material Authorization) must be obtained from authorized personnel of HES before any HES product may be returned. Upon inspection by HES, a decision will be made to repair, replace, or issue a credit for the HES product. This decision will be made solely by HES in accordance with the provisions of these Terms. Obsolete products will not be accepted for return.

Transportation charges and insurance on all returned materials must be prepaid by the purchaser. On goods returned for customer convenience, when the purchaser returns materials in compliance with these Terms which are accepted by HES, the purchaser may be issued a credit for 65% of the purchase price, with 35% charged by HES for handling and reprocessing. All refunds will be in the form of a credit.

Limitation of Liability

To the extent permitted by law, HES and its agents and affiliates (collectively "HES Parties") shall not be responsible for, and the purchaser hereby assumes the risk of, and hereby releases HES for any damages or injury whatsoever (including, without limitation, incidental or consequential damages, damages for lost profits or business interruption, and punitive damages) caused by or related to any use of HES Products, regardless of any error, omission, interruption, defect, failure of performance, delay in operation or transmission, even if HES has been advised of the possibility of such damages. If, notwithstanding the foregoing limitations, HES has any liability to the purchaser despite the foregoing limitations, the purchaser agrees that the HES' total liability to the purchaser for all losses, damages, and causes of action, whether in contract, equity, tort (including without limitation, negligence and gross negligence), or otherwise, will not exceed the amount the purchaser paid to HES for the HES products.

Any action or arbitration brought against the HES pertaining to or in connection with the HES Products must be commenced and served upon HES within one (1) year after the date the cause of action arose, and not thereafter. Failure to abide by such deadline will constitute a complete defense for the HES Parties to the purchaser's claims

No Third Party Liability

If the purchaser uses the HES Products on behalf of others or provides to others any products referenced herein, the HES Parties shall have no liability to such persons whatsoever, and the purchaser agree to defend and indemnify the HES Parties from any and all claims and demands asserted against them, and from any legal fees, costs and other expenses that the HES Parties incur therewith.

Governing Law and Jurisdiction

These Terms are governed by the laws of the State of Arizona, U.S.A. but without regard to its principles of conflict of laws. For any interpretational disputes relating to, or claims arising from, these Terms, the purchaser agrees to the exclusive jurisdiction of the Superior Court of Arizona in Maricopa County, provided, however, that such restriction shall not apply to legal actions initiated or brought by HES. Upon request by HES, all disputes concerning and claims arising from the foregoing shall be referred to binding arbitration in Maricopa County, Arizona by an arbitrator selected only by the Superior Court of Arizona in Maricopa County. The purchaser hereby waives its right to a jury with regard to claims against the HES Parties hereunder. The language used in these Terms shall not be construed strictly against HES.

Icon Glossary

icon	description	
 FIRE RATED	**Fire-Rated**	Products with a fire-rating have been evaluated and listed to UL10B, "Fire Test of Door Assemblies" and UL10C, "Positive Pressure Fire Tests with Door Assemblies". The hourly rating qualification is also noted.
 UL 1034 BURGLARY LISTED	**UL1034** Burglary Listed	Products with a UL1034 listing have been evaluated and listed to UL1034. These requirements apply to the construction, performance, and operation of burglary-resistant electric locking mechanisms.
 GRADE 1	**Grade** 1	Product passed exposure to 1500 lbs. static force, 70 ft. lbs of impact force and withstands 500,000 cycles of operation.
 CYLINDRICAL LOCKSETS	**Cylindrical** Locksets	A lock for a door prepared with one or more cross-bores and one or more edge-bores.
 MORTISE LOCKS WITHOUT DEADBOLTS	**Mortise Locks** without Deadbolts	A lock case that fits into a prepared rectangular-shaped recess in the edge or a door. Latchbolts are a spring-actuated bolt, with a beveled surface, which, when aligned with the strike plate, engages it automatically.
 MORTISE LOCKS WITH DEADBOLTS	**Mortise Locks** with Deadbolts	A lock case that fits into a prepared, rectangular-shaped recess in the edge or a door. Deadbolts are bolts having no spring action operated by a thumb turn or key.
 RIM EXIT DEVICES	**Rim Exit** Devices	A latch mechanism that releases by pressing a cross bar or panel extending across the width of the door (sometimes called a panic bar, panic exit hardware or fire exit bolt).
 SPECIALTY LOCKSETS	**Specialty** Locksets	Specialty locksets that include but not limited to: cylindrical deadbolt, hook bolt, unit lock, weiser bolt, and narrow style aluminum lock.

Terms Glossary

300 Series Latchbolt Keepers	
½"	For 1/2" and 5/8" throw latchbolts (310-2 and 310-6)
¾"	For 3/4" throw latchbolts (310-2-3/4)
PK	For pullman type latchbolts (310-4)
SK	For squarebolt type latchbolts (310-4S)
OB	Open Back (310-2-3/4OB)
300 Series Monitor Switches	
LCBMA	Locking cam and latchbolt monitor, and an auxiliary switch
700 Series Latchbolt Keepers	
½"	For 1/2" and 5/8" throw latchbolts
¾"	For 3/4" throw latchbolts
700 Series Monitor Switches	
LBMLCM	Latchbolt and locking cam monitor

Compatibility Chart

folger adam	hes	von duprin
310-2 •	1006J-2 •	6214 • 6215 • 6224 • 6226 • 6211WF •
310-2-3/4 •	1006J-2 •	6214 • 6215 • 6224 • 6226 • 6211WF •
310-2-3/4OB •		
310-3-1 •	1006H-2 •	6216 •
310-4 •		6112
310-4S •		
310-4-1		
310-4-2		
310-4-3		
310-4-30		
310-6-8		
310-6-1		
310-6-2		
310-6-3		
310-6-30		
712 •	7501 •	6211 •
712-75 •	1006J •	6211 •
732 •	7501 •	6211WF •
732-75 •	7501 •	6211WF •
742-75 •	4500 •	6210 •

• = UL 10C fire-rated

NOTE: This chart details the HES and Folger Adam products that can replace other products, but not necessarily the reverse. This chart is offered as a convenience only. We recommend you refer to the individual manufacturer's catalogs for complete data as to exact equivalents. There may be some variation in physical size, electrical characteristics and durability between strikes of different manufacturers. HES assumes no liability for differences between items compared. When compatibility is a concern, contact HES Customer Support at 800-626-7590 for application assistance.

Trademark Use Policy: ASSA ABLOY Americas

The following policy ("Policy") of ASSA ABLOY Americas ("ASSA ABLOY"), and all of its affiliated group companies (collectively, the "Group Companies"), applies to the use of certain intellectual property of all such Group Companies, including all trademarks, names, logos, product images, and related information (the "ASSA ABLOY Marks"). ASSA ABLOY Marks are proprietary and critical to the success of ASSA ABLOY and the Group Companies, and may only be used in strict compliance with this Policy.

This Policy covers any person or entity reselling any product of any Group Company with the consent of such Group Company (each, an "Approved Reseller"). Each Approved Reseller has a non-exclusive right to use certain of the ASSA ABLOY Marks relating to any of the Group Companies for which it is an Approved Reseller, subject to the following conditions:

1. Approved Reseller's use of ASSA ABLOY Marks must be truthful, fair, and not misleading;
2. Approved Reseller's advertising must clearly indicate that it is advertising of the Approved Reseller, and is not advertising of ASSA ABLOY;
3. Approved Reseller may not use any ASSA ABLOY Marks as part of or in connection with a domain name;
4. Approved Reseller's advertising must not imply or suggest an association between the Approved Reseller and ASSA ABLOY other than that of buyer and seller;
5. Approved Reseller's use of ASSA ABLOY Marks must be a positive representation of ASSA ABLOY, the Group Companies, and their products;
6. Approved Reseller's trade name must be more predominant on Approved Reseller's advertising than the ASSA ABLOY Marks;
7. Approved Reseller's use of ASSA ABLOY Marks must include the trademark symbol ® or TM, as appropriate, along with the following trademark legend printed in legible text on the Web page or document containing ASSA ABLOY Marks:

   "HES and Folger Adam Electric Door Controls are trademarks or registered trademarks of ASSA ABLOY, Inc. or one of its affiliates in the United States and other countries.";
8. Approved Reseller must not make modifications of any ASSA ABLOY Marks; and
9. Approved Reseller may use only ASSA ABLOY Marks associated with the Group Companies for which it is an Approved Reseller (*e.g.*, an Approved Reseller that sells Group Company X products but not Group Company Y products may use Group Company X trademarks in connection with its sale of Group Company X products, but may not use Group Company Y trademarks).

ASSA ABLOY reserves the right to review Approved Reseller's usage of ASSA ABLOY Marks at any time and may:

a. require changes to the use of ASSA ABLOY Marks at any time in its sole discretion, which changes must be implemented within 30 days of written notice to Approved Reseller;

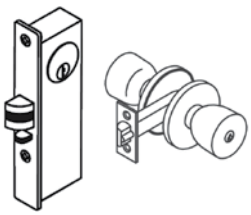
b. condition the use of ASSA ABLOY Marks on ASSA ABLOY's prior approval of such use, which approval may be withheld in its sole discretion;

c. revoke permission to use ASSA ABLOY Marks at any time for any or no reason upon 30 days prior written notice to Approved Reseller; and

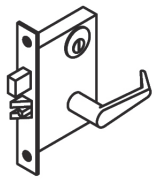
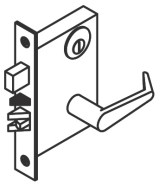
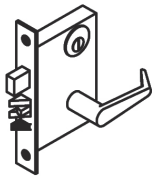
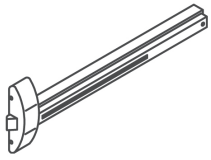
d. revoke permission to use ASSA ABLOY Marks immediately upon notice to Approved Reseller in the event Approved Reseller is in violation of this Policy, or of any other agreement with ASSA ABLOY or any Group Company.

Approved Reseller's right to use ASSA ABLOY Marks in no way conveys to Approved Reseller any proprietary or economic interest in any ASSA ABLOY Marks.

Use of ASSA ABLOY Marks in violation of this Policy may result in severe civil and criminal liabilities. ASSA ABLOY will vigorously enforce this Policy by seeking all appropriate legal remedies, including, but not limited to, pecuniary damages and injunctive relief.

ansi lock	description	manufacturer	electric strikes
	**Cylindrical lockset** All locks with center lined latchbolts	**All** manufacturers	310-2 up to 5/8" throw 310-2 3/4 up to 3/4" throw 712 up to 5/8" throw 712-75 up to 3/4" throw 732 up to 5/8" throw 732-75 up to 3/4" throw 742-75 up to 3/4" throw 310-2-3/4OB
	**Cylindrical lockset**	**Best** (8K & F Series), **Corbin/Russwin** (CL3300), **Falcon** (X & T), **Marks**, **Sargent** (6,7,10 & 11 line), **Schlage** (D series with deadlatch), **Yale** (4300, 5300, 5400)	310-2 up to 5/8" throw 310-2 3/4 up to 3/4" throw 712 up to 5/8" throw 712-75 up to 3/4" throw 732 up to 5/8" throw 732-75 up to 3/4" throw 742-75 up to 3/4" throw 310-2 3/4OB
	**Mortise locksets** with a deadlatch positioned above the latchbolt	**Arrow, Baldwin, Falcon** (1991 & earlier), **Marks, Omnia, PDQ**	310-2-3/4 310-2-3/4OB 712-75 732-75 742-75
		Best (34H - 37 Series)	310-2-3/4 310-2-3/4OB 712-75 732-75 742-75
		Sargent (7700 & 8100 Series), **Schlage, Yale** (8700)	310-2-3/4 310-2-3/4OB 712-75 732-75 742-75

NOTE: Use this chart to identify ANSI locks and to determine which Folger Adam electric strike matches a specific manufacturer's lock. This chart is offered as a convenience only. HES assumes no liability for the differences between items compared. When compatitibility is a concern, contact HES for application assistance.

ansi lock	description	manufacturer	electric strikes
	**Mortise locksets** with a deadlatch positioned below the latchbolt	**Almet, Corbin/ Russwin, Falcon** (1992 'M' Series), **Sargent** (7800, 8200 & 9200), **Yale** (8800)	310-2-3/4" 310-2-3/4OB 712-75 732-75 742-75
		Best (45H & 47H Series)	310-2 310-2-3/4" 310-2-3/4OB 742-75
	**Mortise locksets** with a 1" deadbolt without a deadlatch	**Accurate, Arrow, Baldwin, Falcon, Marks, Omnia, PDQ, Sargent** (7700 & 8100 Series), **Schlage, Yale** (8700)	310-3-1
	**Mortise locksets** with a 1" deadbolt and a center-positioned deadlatch	**Baldwin, PDQ, Sargent** (7700 & 8100 Series), **Schlage, Yale** (8700)	310-3-1
	**Mortise locksets** with a 1" deadbolt and a deadlatch positioned below the latchbolt	**Accurate, Almet, Arrow, Baldwin, Corbin/Russwin, Falcon, Marks, Omnia, PDQ, Sargent** (7800, 8200 & 9200 Series), **Yale**	310-3-1
	**Rim mounted** exit device with up to 3/4" throw	**American Device, Arrow, Corbin/Russwin, Jackson, Dor-O-Matic, Monarch, Precision, Sargent, Von Duprin, Yale**	310-4

- Folger Adam electric strikes are designed to be installed in accordance with the ANSI/BHMA A156.31 4-7/8" jam preparation. When accommodating a cylindrical lock, the electric strike is to be installed centerline to centerline. When accommodating a mortise lock, the centerline of the electric strike is to be installed 3/8" above the centerline of the mortise lock, except as noted for individual strikes.
- Folger Adam electric strikes are all non-handed and designed for installation in hollow metal, concrete filled metal, aluminum and wood jambs.



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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

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