

## NS400E Solenoid- Operated Deadlatches



# Folger Adam

# Electric Locks

## NS400E Solenoid-Operated Deadlatches



### Applications

Specify for minimum/medium security swinging cell, corridor or administration areas of institutions with 2" wide hollow metal jamb construction.

### Operation

A remote switch is used to control the lock electrically, or it may be operated mechanically by builders hardware cylinder. These locks offer the convenience of remote, electric unlocking or locking and automatic deadlocking when the door is closed. Fail-Safe Models: Unlock when solenoid is de-energized (1): by switch or power failure, and the latch remains retracted while the door is open. Upon closure, with power restored, the latchbolt extends and deadlocks. Non-Fail-Safe Models: Unlock when solenoid is energized (1): by a momentary-contact switch. Latchbolt remains retracted mechanically

### Standard Features

- Holdback switch (Models NS400EFS, NS400E with electrical holdback) – Maintains electrical holdback. Requires a relay in the central control console.
- Finish – US32D satin stainless steel.
- Indication switch – An internal switch to monitor the positions of the deadlock actuator. Signals deadlocked condition. Inmate push button – Allows operation of the lock from inside the room or cell. May be canceled from central control console. A double-pole, double-throw switch is available for additional functions.
- Key cylinder extension – Required when lock is keyed on the stop side of the door frame. Five standard lengths are offered:

NS402E & NS402EFS Keyed one side  
NS406E & NS406EFS Keyed both sides

### Standard Features

- Instant solenoid actuation – Heavy duty solenoid provides fast, audible latchbolt operation.
- Fail-safe model operation – Solenoid holds latchbolt extended and deadlocked.
- Compact size – Designed for hollow metal frames with standard 2" face.
- Power modulator – Allows solenoid models to operate on either 24VAC or 24VDC - reduces power consumption. UL listed and patented (Pat. No. 4,797,779).
- Two-piece, twelve-pin plugconnector – Simplifies wiring, allows pre-wiring of the lock opening.
- Heavy duty lock mechanism – Designed with heavy duty, corrosionresistant working parts tested over 1,000,000 cycles.
- Stainless steel strike – Angled liptype, furnished with tamper-resistant screws. Requires less force to close and lock the door.
- Mechanical latchback (Model NS400E-01) – Holds latchbolt retracted until door opens. Not available in fail-safe models.
- Mechanical unlocking by key – Offers manual control at the door in event of power failure or at any other time.
- Stainless steel latchbolt – 3/4" throw, hardened to resist sawing.

For More information please call 210-533-1231



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### Optional Features

- Builders hardware cylinders – High security six-pin tumbler cylinder may be specified. Special keying requests will be accommodated, if possible.

NOTE: Customer-supplied key cylinders may be used to adapt NS400 Series locks to a specific keying system. These cylinders must have: a) 1-5/32" diameter, full bar stock bodies. b) 1-1/8" length, including cam. c) Standard, removable Yale-type cam.

Cylinders and all keys should be sent to Southern Folger Detention Equipment Company and are required with cylinder extenders.

- Inmate push button – Allows operation of the lock from inside the room or cell. May be canceled from central control console. A double-pole, double-throw switch is available for additional functions.
- Local electric key (LEK) – Inmate key operates lock electrically. Staff keys always operate the lock manually and can operate it electrically. Feature is enabled or canceled from a remote control console.

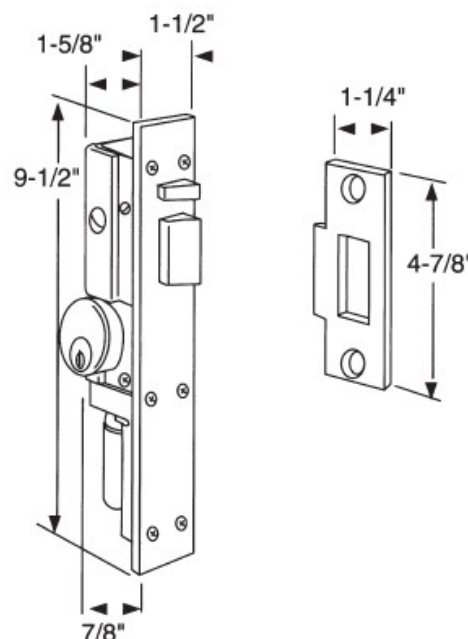
NOTE: When key cylinders for LEK are supplied by customer, contact factory before ordering or sending cylinders

- Key cylinder extension – Required when lock is keyed on the stop side of the door frame. Five standard lengths are offered:

Jamb Size	Cylinder Extension
4-1/2" - 5"	4-3/4"
5" - 6"	5-3/4"
6" - 7"	6-3/4"
7" - 8"	7-3/4"
8" - 9"	8-3/4"

### Feature/Option Chart

Model	Operation	Indication Switch	Latchback			Operational Switch Holdback	LEK Option	Continuous Duty Modulator
			With	W/O	Electric			
NS400E-01	1	X	X				Available	Standard
NS400E-04	2	X		X			Available	Standard
NS400E-07	3	X			X	X	Available	Standard
NS400EFS-04	1	X		X		X	Available	Standard



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### Electrical Characteristics

- Solenoid – Tubular, continuous duty power modulator.
- Voltage – 24 VAC or DC, 3.3 amps, 82 watts inrush; .25 amps
- 6 watts seated. Indication switch – SPDT, UL listed.
- Switch rating – 5 amp @ 125 or 250 VAC.

### Specifications

Lock Case	Investment-cast stainless steel.
Latchbolt	Investment-cast stainless steel hardened.
Latchbolt throw	3/4"
Operating Lever	Stainless steel
Deadbolt lever/trigger bolt	Investment-cast stain-less steel
Strike	Stainless Steel Stamping, angled lip.

Note: Dimensions are for information and planning purposes only, and should not be used as templates. For complete details, see How to Specify in this section.

