**Description**

NS400E Series Deadlatches are pin tumbler, solenoid-operated locks for swinging doors. Specify builders hardware cylinders and keying as follows:

- **NS402E & NS402EFS**
  - Keyed one side

- **NS406E & NS406EFS**
  - Keyed both sides

Note: See optional features for factory or customer-supplied key cylinders. For models NS400E and NS400EFS, no cylinders are supplied.

**Applications**

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

**Operations**

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 until the door is opened. Upon closure, the latchbolt extends automatically (mechanical latchback).

Unlock when solenoid is energized (2): by a momentary-contact switch. Latchbolt is electrically held retracted only as long as control switch is tripped (no mechanical latchback). The door must be opened while control switch is in the unlocked position. Upon closure, the latchbolt deadlocks automatically. Continuous-duty feature is standard to hold bolt retracted for extended periods (no latchback, continuous-duty power modulator).

Unlock when solenoid is energized (3): by a momentary-contact switch. Latchbolt is held electrically retracted until door is opened, then it extends automatically (electric holdback).

**Standards Compliance**

- All deadlatch models UL1034 – Burglary-resistant electric deadbolts.
- Non-fail-safe models, UL10B – Electrically controlled single point locks or latches, three-hour rating, A label.
- ASTM F-1577 Grade 1 Impact

**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.

For more information, please call 210.533.1231.
Holdback switch (Models NS400EFS, NS400E with electrical holdback) – Maintains electrical holdback. Requires a relay in the central control console.


Indication switch – An internal switch to monitor the positions of the deadlock actuator. Signals deadlocked condition.

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.

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.

Finish – Key Cylinder: US26D

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 stainless steel.

Strike – Stainless steel stamping, angled lip.

Feature/Option Chart

<table>
<thead>
<tr>
<th>MODEL</th>
<th>OPERATION</th>
<th>INDICATION SWITCH</th>
<th>LATCHBACK WITH ELECTRIC</th>
<th>OPERATIONAL SWITCH HOLDBACK</th>
<th>LEK OPTION</th>
<th>CONTINUOUS DUTY MODULATOR</th>
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<tbody>
<tr>
<td>NS400E-01</td>
<td>1</td>
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<td>●</td>
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<td>Standard</td>
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<td>NS400E-04</td>
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<td>NS400E-07</td>
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<td>Standard</td>
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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.

Dimensional Data

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.
HOW TO SPECIFY
NS400 SERIES LOCKS

Keying Location
NS400 No Cylinder
NS402 Keyed 1 Side
NS406 Keyed 2 Sides

Switch Functions
01 Deadlock Indication Switch With Latchback
04 Deadlock Indication Switch No Latchback
07 Deadlock Indication Switch No Latchback Auxiliary Switch For Electric Holdback
09 Deadlock Indication Switch No Latchback Auxiliary Switch For Electric Relock

Cylinder Options
BC Prep For Builders Hardware Cylinder, Customer Supplied
B2 High Security Builders Hardware Cylinder

Voltage
Solenoid
24 VAC
24 VDC

Optional
Local Electric Key
Inmate Push Button

Optional Cylinder Extension
Select Standard Offered Length

Faceplate Finish
Standard US32D

Latchbolt Handing*
RHRB LHRB
RHSB LHSB

Deadbolt Handing
LH
RH

* For application handing, see the handing chart on the following page.

For more information, please call 210.533.1231.
HOW TO SPECIFY
NS400 SERIES LOCKS

Specify circled swing number when ordering.

<table>
<thead>
<tr>
<th>KEYED BOTH SIDES</th>
<th>KEYED HINGE SIDE</th>
<th>KEYED STOP SIDE</th>
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</table>

LEGEND

- = INDICATES KEYED SIDE (OR SIDES)
- = HOLLOW METAL JAMB
< = SYMBOLIZES LATCHBOLT
= SYMBOLIZES LOCK CASE