Description
NS400M and NS400MC Series Deadlatches are pin tumbler, motor-operated locks for swinging doors. Specify builders hardware cylinders and keying as follows:
NS402M/NS406M Keyed one side
NS402MC/NS406MC Keyed both sides
Note: See optional features for factory or customer-supplied key cylinders. For Models NS400M and NS400MC, 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 may be operated mechanically by a builders hardware key cylinder. These locks offer the convenience of remote, electric unlocking or locking and automatic deadlocking when the door is closed.

Motor-Actuated Models
Unlock when the motor is energized (1): by a momentary-contact switch. Latchbolt is held mechanically retracted until the door is opened. It then extends automatically (mechanical latchback).

Lock or unlock when the motor is energized (2): by either a two or three-position maintained-contact switch, or a three-position momentary-contact switch. Latchbolt then remains retracted until selected to lock. Opening and closing the door has no effect on the lock (no latchback).

Unlock when the motor is energized (3): by a momentary contact switch. A relock switch energizes the motor to relock once the door is open. On closure, the latchbolt deadlocks automatically (no latchback with relock).

Standards Compliance
- All deadlatch models, UL1034 – Burglary-Resistant Mechanisms.
- All models (except two-position motor actuated), UL10B – Electrically controlled single point locks or latches, three-hour rating, A label.
- ASTM F-1577 Grade 1 Impact

Standard Features
- 300 lb. rated side load motor operation (Models NS400M, NS400MC) – Preclude jamming by applying side pressure on the door.
- Compact size – Designed for hollow metal frames with standard 2" face.
- Two-piece, twelve-pin plug connector – Simplifies wiring, allows pre-wiring of the lock opening.

For more information, please call 210.533.1231.
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.

- 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:

<table>
<thead>
<tr>
<th>Jamb Size</th>
<th>Cylinder Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2” – 5”</td>
<td>4-3/4”</td>
</tr>
<tr>
<td>5” – 6”</td>
<td>5-3/4”</td>
</tr>
<tr>
<td>6” – 7”</td>
<td>6-3/4”</td>
</tr>
<tr>
<td>7” – 8”</td>
<td>7-3/4”</td>
</tr>
<tr>
<td>8” – 9”</td>
<td>8-3/4”</td>
</tr>
</tbody>
</table>

  NOTE: Please specify appropriate cylinder extension length when ordering. Special lengths may be provided for other jamb thicknesses. Contact factory for pricing and availability.

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.

Electrical Characteristics

- Motor – High-torque, permanently lubricated, permanent magnet, planetary gearmotor, UL Listed.
- Voltage – 24 VDC, operates on 24 VAC via rectifier 0.12 Amps running, 1.29 amps stalled.
- Indication switch – SPDT, UL listed.
- Switch rating – 5 amp @ 125 or 250 VAC.

Feature/Option Chart

<table>
<thead>
<tr>
<th>MODEL</th>
<th>OPERATION</th>
<th>INDICATION SWITCH</th>
<th>LATCHBACK</th>
<th>OPERATIONAL SWITCH HOLDBACK</th>
<th>LEK OPTION</th>
<th>CONTINUOUS DUTY MODULATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS400M-01</td>
<td>1</td>
<td>●</td>
<td>●</td>
<td></td>
<td>Available</td>
<td>No</td>
</tr>
<tr>
<td>NS400MC-01</td>
<td>1</td>
<td>●</td>
<td>●</td>
<td></td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NS400MC-04</td>
<td>2</td>
<td>●</td>
<td>●</td>
<td></td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>NS400MC-09</td>
<td>3</td>
<td>●</td>
<td>●</td>
<td></td>
<td>Available</td>
<td>No</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Keying Location</th>
<th>NS400</th>
<th>No Cylinder</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NS402</td>
<td>Keyed 1 Side</td>
</tr>
<tr>
<td></td>
<td>NS406</td>
<td>Keyed 2 Sides</td>
</tr>
</tbody>
</table>

### Basic Models

**Deadlatches**
- E: Solenoid
- M: Motor
- MC: 2-Position Motor

**Deadbolt**
- MCD: 2-Position Motor

### Mode of Operation
(E Solenoid Only For Fail-Safe)
- NFS: Non-Fail-Safe
- FS: Fail-Safe

### Switch Functions

<table>
<thead>
<tr>
<th>Functions</th>
<th>01</th>
<th>Deadlock Indication Switch With Latchback</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>04</td>
<td>Deadlock Indication Switch No Latchback</td>
</tr>
<tr>
<td></td>
<td>07</td>
<td>Deadlock Indication Switch No Latchback Auxiliary Switch For Electric Holdback</td>
</tr>
<tr>
<td></td>
<td>09</td>
<td>Deadlock Indication Switch No Latchback Auxiliary Switch For Electric Relock</td>
</tr>
</tbody>
</table>

### Cylinder Options

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

### Voltage

<table>
<thead>
<tr>
<th>Solenoid</th>
<th>24 VAC</th>
<th>24 VDC</th>
</tr>
</thead>
</table>

### Cylinder Ext.

<table>
<thead>
<tr>
<th>Length</th>
<th>5-3/4&quot;</th>
</tr>
</thead>
</table>

### Faceplate Finish

- Standard US32D

### Optional

- Cylinder Extension Select Standard Offered Length
- Local Electric Key
- Inmate Push Button

### Latchbolt Handling*

- RHRB: LH RHB
- RHB: LHSB
- LS: LHSB

### Deadbolt Handling

- LH
- RH

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

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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>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>26</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>26</td>
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</tr>
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<td>39</td>
</tr>
<tr>
<td>30</td>
<td>40</td>
<td>39</td>
</tr>
</tbody>
</table>

LEGEND

= INDICATES KEYED SIDE (OR SIDES)

= HOLLOW METAL JAMB

= SYMBOLIZES LATCHBOLT

= SYMBOLIZES LOCK CASE