Description
NS400MCD is a pin tumbler, two-position motor-operated deadbolt for swinging doors. Specify builders hardware cylinders and keying as follows:

NS402MCD  Keyed one side
NS406MCD  Keyed both sides

Note: See optional features for either factory or customer-supplied key cylinders. Model NS400MCD, no cylinder supplied.

Applications
Specify for minimum/medium security swinging cell or office areas of institutions requiring deadbolt locks for use in 2" wide hollow metal jamb construction.

Operations
Locks or unlocks when motor is energized by either a two or three-position maintained contact switch. Once unlocked, the deadbolt remains retracted until selected to lock. Opening and closing the door have no effect on the lock. Non-fail-safe only. Holdback switch prevents the deadbolt from extending while the door is open. Deadbolt is deadlocked upon closure of the door.

Standards Compliance
- UL1034 – Burglary-Resistant Mechanisms.
- ASTM F-1577  Grade 1 Impact

Standard Features
- 300 lb. rated side load motor operation – Precludes jamming by applying side pressure on the door.

Optional Features
- Builders hardware key 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:
1. 1-5/32" diameter, full bar stock bodies.
2. 1-1/8" length, including cam.
   Cylinders and all keys should be sent to Southern Folger Detention Equipment Company and are required with cylinder extenders.

- 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&quot; – 5&quot;</td>
<td>4-3/4&quot;</td>
</tr>
<tr>
<td>5&quot; – 6&quot;</td>
<td>5-3/4&quot;</td>
</tr>
<tr>
<td>6&quot; – 7&quot;</td>
<td>6-3/4&quot;</td>
</tr>
<tr>
<td>7&quot; – 8&quot;</td>
<td>7-3/4&quot;</td>
</tr>
<tr>
<td>8&quot; – 9&quot;</td>
<td>8-3/4&quot;</td>
</tr>
</tbody>
</table>

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

- Finish – Key cylinder: US26D.
FOLGER ADAM ELECTRIC LOCKS

NS400MCD
MOTOR-OPERATED DEADBOLTS

Specifications
- Lock case – Investment-cast stainless steel.
- Deadbolt – Investment-cast stainless steel hardened.
- Deadbolt throw – 3/4”
- Deadlock lever/operating lever – Stainless steel.
- Strike – Stainless steel stamping.

Electrical Characteristics
- Motor – High-torque, permanently lubricated, permanent magnet, planetary gearmotor, UL Listed.
- Voltage – 24VDC or 24VAC 0.12 running, 1.29 amps stalled.
- 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.

Feature/Option Chart

<table>
<thead>
<tr>
<th>MODEL</th>
<th>OPERATION</th>
<th>INDICATION SWITCH</th>
<th>LATCHBACK WITHOUT</th>
<th>LEX OPTION</th>
<th>CONTINUOUS DUTY MODULATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS400MCD-04-01</td>
<td>Standard</td>
<td>•</td>
<td>•</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
# HOW TO SPECIFY NS400 SERIES LOCKS

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

**Basic Models Deadlatches**
- **E**: Solenoid
- **M**: Motor
- **MC**: 2-Position Motor
- **Deadbolt**: MCD
  - 2-Position Motor

**Mode of Operation**
- **E**: Solenoid Only
- **NFS**: Non-Fail-Safe
- **FS**: Fail-Safe

**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

**Faceplate Finish**
- Standard US32D

**Optional Cyl. Ext. 5-3/4”**

**Optional Local Electric Key**

**Optional Inmate Push Button**

**Optional Cylinder Extension**
- Select Standard Offered Length

**Latchbolt Handling**
- **RHRB**: LH
- **LHRB**: L
- **RHSB**: LH
- **LHSB**: L

**Deadbolt Handling**
- LH
- RH

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>26</td>
</tr>
<tr>
<td>DEADBOLT- LH LATCHBOLT- LHBR</td>
<td>DEADBOLT- RH LATCHBOLT- RHBR</td>
<td>DEADBOLT- RH LATCHBOLT- RHBR</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>27</td>
</tr>
<tr>
<td>DEADBOLT- LH LATCHBOLT- LHBR</td>
<td>DEADBOLT- RH LATCHBOLT- RHBR</td>
<td>DEADBOLT- RH LATCHBOLT- RHBR</td>
</tr>
<tr>
<td>29</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>DEADBOLT- RH LATCHBOLT- RHSB</td>
<td>DEADBOLT- LH LATCHBOLT- LHSB</td>
<td>DEADBOLT- LH LATCHBOLT- LHSB</td>
</tr>
</tbody>
</table>

**Legend**
- ☉ = Indicates Keyed Side (or Sides)
- ☐ = Hollow Metal Jamb
- ≤ = Symbolizes Latchbolt
- ☐ = Symbolizes Lock Case

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