Installation based on barn door application where doors are hung on the OUTSIDE of the room.
- Install Lock Inside the Jamb Wall behind the barn door
- Install Trim Plate on the Jamb Wall facing the opening
- Install Strike with an emergency release on the barn door
- Adjustable Strike for door thickness from 1-3/8" to 2-1/4".
- Works with 9400 stainless steel round track, Conestoga, and eConestoga barn door series.

**Wall Thickness:**

<table>
<thead>
<tr>
<th>LOCK BOLT NO.</th>
<th>BACKSET</th>
<th>WALL THICKNESS</th>
<th>TYPICAL WALL STUDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>9458-2D</td>
<td>2-1/4&quot;</td>
<td>4-1/2&quot;+</td>
<td>2 x 4</td>
</tr>
<tr>
<td>9458-35</td>
<td>3-1/2&quot;</td>
<td>6-1/2&quot;+</td>
<td>2 x 6</td>
</tr>
</tbody>
</table>

---

### 9458 Series Privacy Barn Door Lock Set Parts List:
(With Face Fixing Trim Plate)

<table>
<thead>
<tr>
<th>Items</th>
<th>No.</th>
<th>Parts Description</th>
<th>Function</th>
<th>Privacy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trim Parts</td>
<td>1</td>
<td>Face Fixing Trim with spindle</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>M4 x 50 Slotted Head Screws</td>
<td>2 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td>Lock</td>
<td>3</td>
<td>Barn Door Lock</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>M4 x 40 Wood Screws</td>
<td>2 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Lock Bracket</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td>Strike</td>
<td>6</td>
<td>Dust Proof Strike</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Washer</td>
<td>2 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Sleeve</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Hollow Screw</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td>Others</td>
<td>10</td>
<td>Decorative Cap</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Emergency Key</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Door Prep Template</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Installation Instruction</td>
<td>1 EA</td>
<td>Privacy</td>
</tr>
</tbody>
</table>

---

### Wall Conditions and Tools Suggestion

Most of the drywall will have corner bead in steel or vinyl; it's strongly recommended to use **Hole Saw** to cut the holes for installing locks and trim plates. Hole Saw for steel will also help cutting through any screws inside drywall or wood stud to make the installation job run faster.

**DO NOT USE:**
- Spade Bit

**Recommend to Use:**
- **Stud Finder**
- **Level**
- **T-Square**
- **1/8" Drill Bit**
- **1/4" Drill Bit**
- **Hole Saw** (2-1/8" | 1-1/4" | 1")
Step 1. Wall and Door Preparation

A. Drywall Opening

For drywall opening with 1/2" drywall (gypsum board), minimum 2" door overlap is needed to install BD4000 privacy lock. The lock bore center must be at least 1" from wall edge; align strike with lock.

Choose center hole location based on your aesthetic preference, so long as it is at least 1" from the edge.

B. Opening with Casing greater than 1-5/8"

Choose center hole location based on your aesthetic preference, so long as it is at least 1" from the edge.

C. Opening with Casing less than 1-5/8"

Do not install lock on casing that is less than 1-5/8" wide. Drill lock bore at least 2-1/4" from edge. For this type of installation, door overlap must be at least 3". Align strike with lock.

If lock bore center location is 2-1/8" or more from edge of opening, use stud finder to ensure there are at least two studs stacked behind lock bore center. Extended spindle and fixing screws may be required. Contact INOX™ to order an extension kit.

IMPORTANT!
The bore hole on the Jamb side is offset 3.5mm (approximately 1/8") lower than wall-side bore.

Step 2. Prep Trim Bore – On the Jamb

2.1) Verify wall thickness to ensure you have correct lock and backset

<table>
<thead>
<tr>
<th>Wall Thickness</th>
<th>Stud Size</th>
<th>Item No.</th>
<th>Backset</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1/2&quot;+</td>
<td>2&quot; x 4&quot;</td>
<td>9458-2D</td>
<td>2-1/4&quot;</td>
</tr>
<tr>
<td>6-1/2&quot;+</td>
<td>2&quot; x 6&quot;</td>
<td>9458-35</td>
<td>3-1/2&quot;</td>
</tr>
</tbody>
</table>

2.2) Remove Barn Door.
Use template to mark pilot hole.

Minimum Wall Thickness:
9458-2D - minimum thickness 4-1/2"
9458-35 - minimum thickness 6-1/2"
There is no maximum thickness for either lock.
### Step 2. Prep Trim Bore – On the Jamb (CONT.)

**TIP:** Before drilling, cover area around the bore hole with masking tape to prevent the drywall from chipping or cracking.

2.3) With a 2-1/8" hole saw, drill on Jamb side in accordance with the following steps.

**Without Casing:**
- a. Drill through drywall approx. 1/2" to locate first wood stud.
- b. Continue drilling 1" into the stud.

**With Casing 1-5/8" or wider:**
- a. Drill through casing and drywall approximately 1" to locate the first wood stud.
- b. Continue drilling 1" deep into stud.

**With Casing less than 1-5/8":**
- a. Drill through casing and drywall approximately 1" deep to locate the first wood stud.
- b. Continue drilling 1-3/4" deep into the stud. This will give you a 2-1/4" deep bore to accommodate the lock installed next to casing.

**NOTE:** In Step 2.3, if there is a gap between the drywall and the stud, measure the distance and add to the bore hole depth. Hole depth must accommodate lock barrel preparation in Step 4. You can deepen trim bore as needed after that step.

**IMPORTANT!** Do not exceed depth of wood stud when drilling. Minimum 1/4" or thicker wood backing is required to support the lock.

**For drywall openings protected with steel corner beads,** use metal hole saw for cleaner and faster installation.

### Step 3. Prep Lock Bore

3.1) Double check lock bore distance from Step 1. Refer to template markings to ensure both lock and strike pilot holes are within door overlap requirements. Keep 3/8" safety margin to edges.

3.2) For drywall or flat casing openings, use a 1" hole saw to cut lock bore hole to depth as shown in chart.

<table>
<thead>
<tr>
<th>Lock Part No.</th>
<th>Backset</th>
<th>Bore Hole Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>9458-2D</td>
<td>2-1/4&quot;</td>
<td>3-1/4&quot;</td>
</tr>
<tr>
<td>9458-35</td>
<td>3-1/2&quot;</td>
<td>4-1/2&quot;</td>
</tr>
</tbody>
</table>

**Note:** Hole Saw for metal should be used for drywall with steel corner bead.

**TIP:** Before drilling, cover area around the bore hole with masking tape to prevent the drywall from chipping or cracking.

### Step 4. Installation of the Lock

**A** For drywall and casing less than 1-5/8":

4.1) Insert bracket into trim bore
4.2) Insert lock bolt into lock bore and fit into bracket slot.

**B** For moulded casing with an uneven surface:

4.1) Insert 1/4" spacer provided with lock into the 1-1/4" recess first
4.2) Insert bracket into trim bore
4.3) Insert lock bolt and spacer into lock bore and fit into bracket slot.
**Step 4. Installation of the Lock (CONT.)**

4.4) Ensure spindle hub is at center of trim bore. Use spindle or screwdriver to test bolt retraction; if not smooth, troubleshoot as follows:

- Check 2-1/8” trim bore dimensions
- Ensure hole is free of debris
- Make sure 1” lock bore is perpendicular to trim bore
- Check lock by removing it from bore and throwing the bolt. Adjust wall prep as needed

4.5) Fasten the two wood screws inside the trim bore hole through lock body and into wood stud.

**Step 5. Installation of Face Fixing Trim**

5.1) Cut spindle and screw to accommodate wall side backset.

![Diagram showing spindle and screw dimensions](image)

<table>
<thead>
<tr>
<th>Edge to Lock Center</th>
<th>Spindle Length</th>
<th>Screw Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1”</td>
<td>1-1/4”</td>
<td>13/16”</td>
</tr>
<tr>
<td>1-1/4”</td>
<td>1-1/2”</td>
<td>1-1/16”</td>
</tr>
<tr>
<td>1-1/2”</td>
<td>1-3/4”</td>
<td>1-5/16”</td>
</tr>
<tr>
<td>2”</td>
<td>2”</td>
<td>1-9/16”</td>
</tr>
<tr>
<td>2-1/4”</td>
<td>2-1/2”</td>
<td>2-1/16”</td>
</tr>
<tr>
<td>2-1/2”</td>
<td>2-3/4”</td>
<td>2-5/16”</td>
</tr>
</tbody>
</table>

5.2) Insert trim into spindle hole. Use thumb turn to test lock bolt movement.

5.3) Fasten trim screws until trim is tight to jamb surface. NOTE: Do not overtighten.

**Step 6. Prep and Install Dust Proof Strike with Emergency Release On Barn Door**

6.1) Move the Barn Door to the Closed position; throw the lock bolt to mark the exact strike center position. Make sure this location is minimum 1” to the edge of the door.

![Diagram showing marking on barn door](image)

6.2) Using the strike center position as a guide, drill a pilot hole through the door with a 1/8” bit from strike side. With the pilot hole as guide, use a 1” diameter hole saw to drill a 1-1/4” deep hole. **DO NOT drill through the door!**

6.3) With the pilot hole as a guide, use a 1/4” bit to drill a hole from the outside to connect with the strike bore hole.

![Diagram showing hole drilling](image)

6.4) Install the 1” dust-proof strike with the 1/4” release screws on the outside.

Note: Standard Barn Door to wall clearance is approximately 3/8” to 1/2”. Install additional spacer as needed behind the strike faceplate if the door to wall clearance is over 1/2”. Additional spacers can support maximum clearance of 3/4” between door and wall.

6.5) Cut break-away screw to appropriate door thickness. **DO NOT OVER TIGHTEN**

![Diagram showing break-away screw](image)

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>Length without Spacer</th>
<th>Length with Spacer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3/8”</td>
<td>11/16”</td>
<td>15/16”</td>
</tr>
<tr>
<td>1-3/4”</td>
<td>1-3/32”</td>
<td>1-5/16”</td>
</tr>
</tbody>
</table>

6.6) Install break-away screw and tighten with Allen wrench. **DO NOT OVER TIGHTEN. Screw on decorative cap by hand.**

6.7) Use release key (provided with lock set) to push through center hole on release to push lock bolt back and unlock door.