

AI-01191 Door Deadbolt DIY

👤 Owner	Ⓜ Rigel Arcayan
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I'm installing a standard door deadbolt lock to a new door, list the hole dimensions and measurements and the size of hole saw that I need, tools and template to install the deadbolt like a pro.

The dimensions for a standard door deadbolt lock vary depending on the specific brand and model, but the general measurements are as follows:

- **Door thickness:** Most standard doors are 1.75 inches thick.
- **Backset:** This is the distance from the edge of the door to the center of the bore hole. The standard backset is 2.25 inches.
- **Strike plate hole:** The strike plate hole is typically 2.25 inches wide and 0.75 inches high.
- **Deadbolt hole:** The deadbolt hole is typically 0.75 inches in diameter.

Hole saw size:

- **Deadbolt hole:** 0.75 inches
- **Strike plate hole:** 2.25 inches

Tools:

- Drill
- 0.75-inch and 2.25-inch hole saw
- Tape measure
- Pencil
- Level
- Screwdriver

- Chisel (if necessary)
- Safety glasses
- Work gloves

Template:

While a template is not strictly necessary, it can help ensure a clean and accurate installation. You can purchase a pre-made template or create your own using cardboard or a thin piece of wood.

Installation steps:

1. **Measure the door:** Measure the door thickness and mark the backset distance from the edge of the door.
2. **Drill the deadbolt hole:** Drill a 0.75-inch hole at the marked location.
3. **Drill the strike plate hole:** Drill a 2.25-inch hole on the door jamb, aligning it with the deadbolt hole.
4. **Install the deadbolt:** Insert the deadbolt into the hole and secure it with the mounting screws.
5. **Install the strike plate:** Attach the strike plate to the door jamb, aligning it with the deadbolt.
6. **Test the deadbolt:** Test the deadbolt to ensure that it operates smoothly and securely.

Additional tips:

- If the hole is too small, you can use a chisel to enlarge it slightly.
- Be sure to use a level to ensure that the deadbolt and strike plate are installed correctly.
- If you are unsure about the installation process, you can consult a professional locksmith.

Door Deadbolt Installation: Metric Measurements

Note: While imperial measurements (inches) are common in the United States, metric measurements (millimeters) are used in many other countries. Here are the

approximate metric equivalents for a standard door deadbolt installation:

Hole Sizes:

- **Deadbolt hole:** 19 mm (0.75 inches)
- **Strike plate hole:** 57 mm (2.25 inches)

Door Thickness and Backset:

- **Standard door thickness:** 44 mm (1.75 inches)
- **Standard backset:** 57 mm (2.25 inches)

Tools and Installation:

- The tools and installation process remain largely the same, regardless of whether you're using imperial or metric measurements.
- Ensure your drill bits and hole saws are the correct metric sizes.
- Use a metric tape measure for accurate measurements.

Additional Tips:

- **Template:** A template can be a great aid, especially when working with metric measurements. You can create one using cardboard or a thin piece of wood.
- **Double-check:** Always double-check your measurements before drilling.
- **Pilot hole:** For larger holes, drilling a pilot hole can help prevent the drill bit from wandering.

By following these guidelines and using metric measurements, you can confidently install a door deadbolt in your home.