

TITAN

Premium Security Doors

How to Measure

Figure 1 Brick Molding - Surface Mount

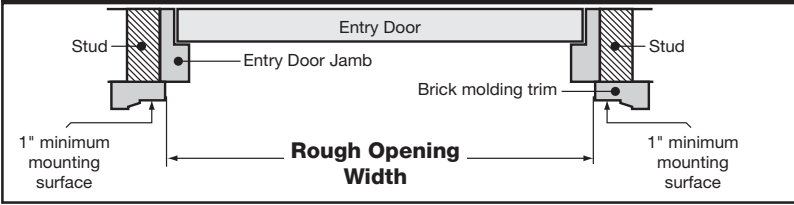


Figure 1a Brick Molding - Recessed Mount

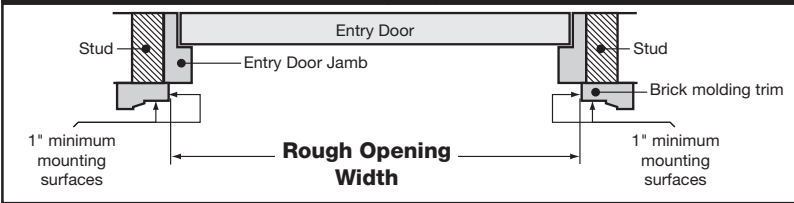


Figure 2 Stucco 1 - Mounted between stucco pop-outs - Surface Mount

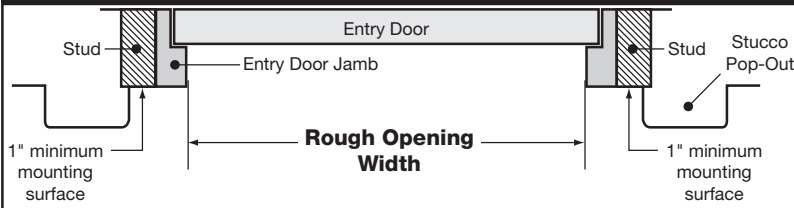


Figure 3 Stucco 2 - Mounted to front surface of stucco pop-outs - Surface Mount

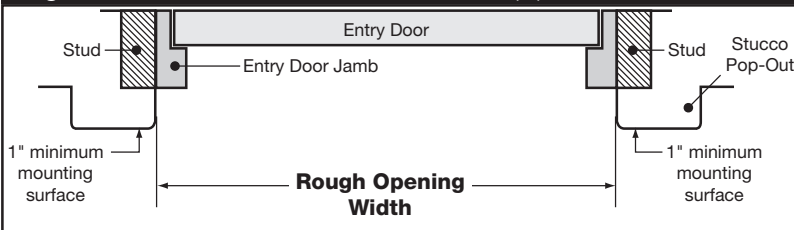


Figure 4 Flat Trim - Surface Mount

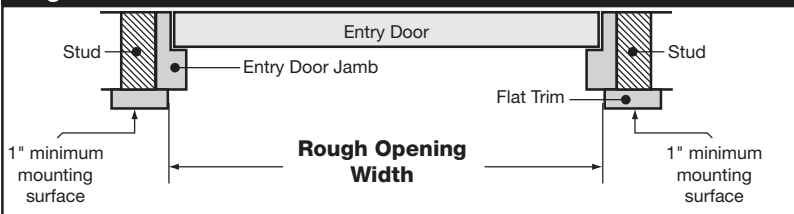
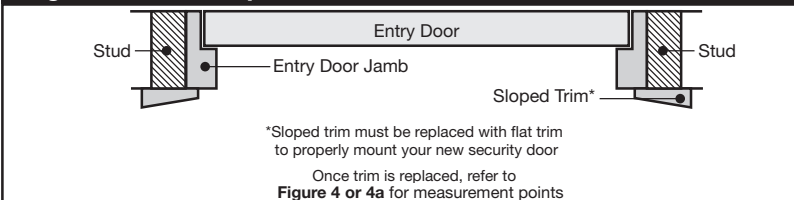


Figure 5 Sloped Trim



1

Inspect Your Entryway for Obstructions

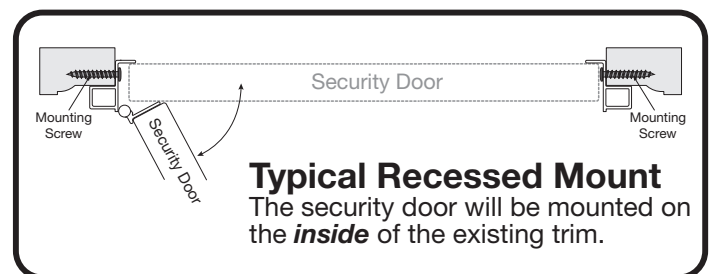
Check for any obstructions above and around your entryway that may prevent the outward swing of your new security door, and/or its installation, such as:

- Light fixtures
- Door bell
- Low overhang
- Door handle of existing entry door
- Trees, bushes, or hanging plants

2

Determine Mounting Method and Rough Opening Width Measure Points

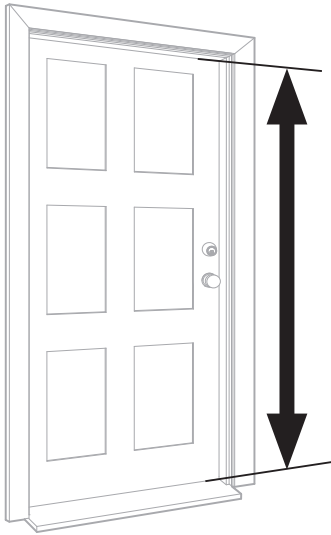
The security door will require a minimum mounting surface of 1" on the trim above and on both sides of the entry door (1" depth also required for recessed mount). Mounting screws must be secured to a stud in the wall. Review **Figures 1-5** to determine which mounting method you can and wish to use and the rough opening measurement.



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3 Measure for Rough Opening Height

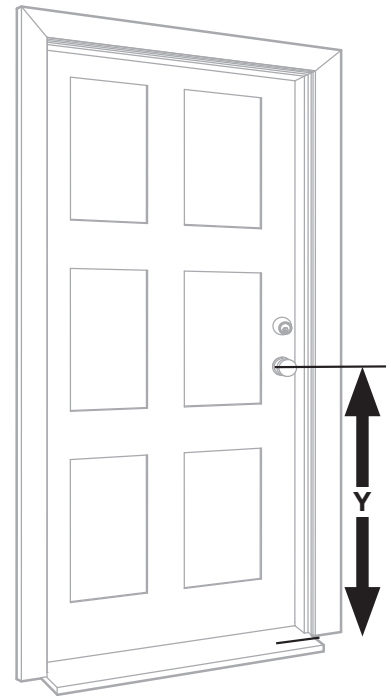
Measure from the bottom edge of the mounting surface to the existing threshold of your entry door and enter on the measurement worksheet on the following page.

4 Check Handle Height

Standard security door handle height is 39-1/2". To check for potential interference with your main entry door handle, measure from the threshold to the center of the handle (Y). A measurement within 38-1/2"-40-1/2" inches may result in interference. To ensure you avoid interference issues in this instance, you may:

- Mount your security door with an opposite swing
- Order 54" handle height
- Build out the trim on your mounting surface to create clearance

Note: Paddle style handles feature a profile less likely to cause interference than knob style handles... if measurements indicate you may be close to an interference issue, keep this in mind when selecting your security door handle set.



5 Measure for Rough Opening Width

Measure for the rough opening you identified in Step 2 (Figures 1-5). Measure the top, middle and the bottom of the door opening. The smallest of the three measurements will be your rough opening width. Enter that measurement on the measurement worksheet and follow the instructions to determine if a standard size door will fit or to order the correct custom sized door.

Instructions:

Determine which fit range your measurements fall within and order that standard size door. If your measurement does **NOT** match a standard size door, give the sales associate your rough opening dimensions to enter in as a custom size.

Standard size door

SURFACE MOUNT						
Door Size	* Rough Opening Width Fit Range	Rough Opening Width	Overall Width	* Rough Opening Height Fit Range	Rough Opening Height	Overall Height
30" x 80"	29-1/2" - 30-1/2"		32-1/2"	79-3/4" - 81-3/4"		81-9/16"
32" x 80"	31-1/2" - 32-1/2"		34-1/2"			
36" x 80"	35-1/2" - 36-1/2"		38-1/2"			
36" x 96"			95-3/4" - 97-3/4"	97-9/16"		
60" x 80"	59-1/2" - 60-1/2"		62-1/2"	79-3/4" - 81-3/4"		81-9/16"
72" x 80"	71-1/2" - 72-1/2"		74-1/2"			

NOTE: If a custom size is needed, to get overall frame dimensions add 2-1/2" to width and 1-1/4" to height.

RECESSED MOUNT						
Door Size	* Rough Opening Width Fit Range	Rough Opening Width	Overall Width	* Rough Opening Height Fit Range	Rough Opening Height	Overall Height
30" x 80"	29-7/8" - 30-3/8"		31-1/2"	80" - 80-1/2"		81-9/16"
32" x 80"	31-7/8" - 32-3/8"		33-1/2"			
36" x 80"	35-7/8" - 36-3/8"		37-1/2"			
36" x 96"			96" - 96-1/2"	97-9/16"		
60" x 80"	59-7/8" - 60-3/8"		61-1/2"	80" - 80-1/2"		81-9/16"
72" x 80"	71-7/8" - 72-3/8"		73-1/2"			

NOTE: If a custom size is needed, to get overall frame dimensions add 1-1/2" to width and 1" to height.

* Wider rough opening measurements within the fit range may require shimming or filler wood. For opening measurements outside these ranges, custom doors provide the best fit and installation.