

# GENERAL INSTALLATION/SPECIFICATION GUIDE

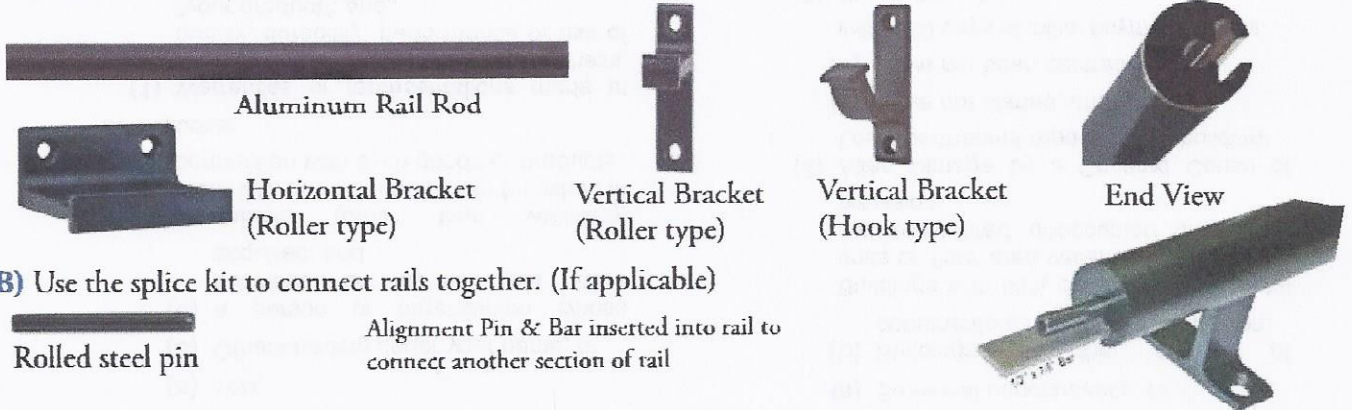


**Please Note!!**

**Tools Required For Assembly**  
 1mm & 5mm allen wrenches.  
 #2 Phillips & #2 Square screw driver.  
 1/4" x 20 thread tap.

## Step 1:

(A) Slide brackets into rail, recommended maximum spacing 32 inches apart. Pre-drill holes in wood if needed and screw brackets in place.



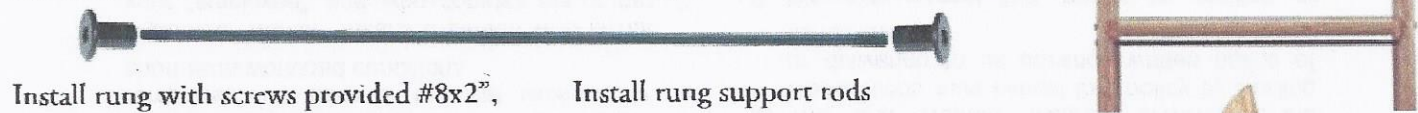
(B) Use the splice kit to connect rails together. (If applicable)

(C) Tap the end of the rail with a 1/4" x 20 tap (not supplied) to screw in the end stop finial (done before installation of rail). Install end stop with screw provided.

**Note:** Leave at least a **7 inch clearance** above the rail for the top guide hardware to operate properly, and allow the ladder to move against the wall for storage.

## Step 2: (not applicable for CSH ladders)

Pre drill 23/64" holes for rung support rods below rung and screws for rung installation



## Step 3:

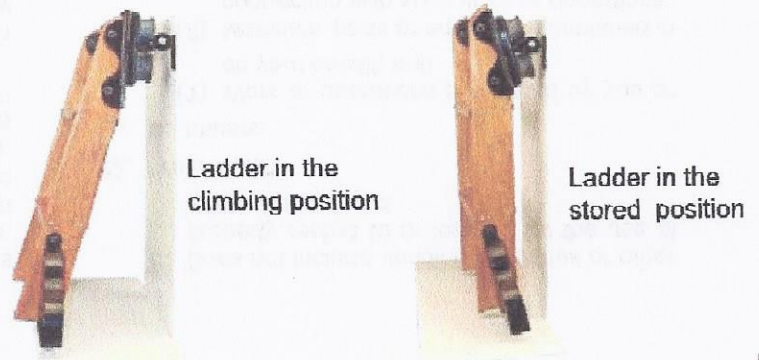
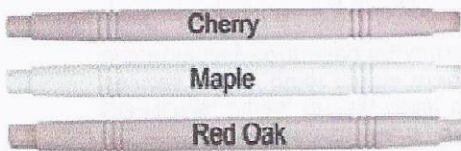
Drill holes and install top guides to ladder centering the top dowel (top dowel recommended) of the ladder. The placement of the holes will allow a small adjustment of height of ladder, either up or down.



## Step 4:

Install Top Turned Rungs  
 Use a forstner bit, drill 7/8" hole part way through for the turned rungs

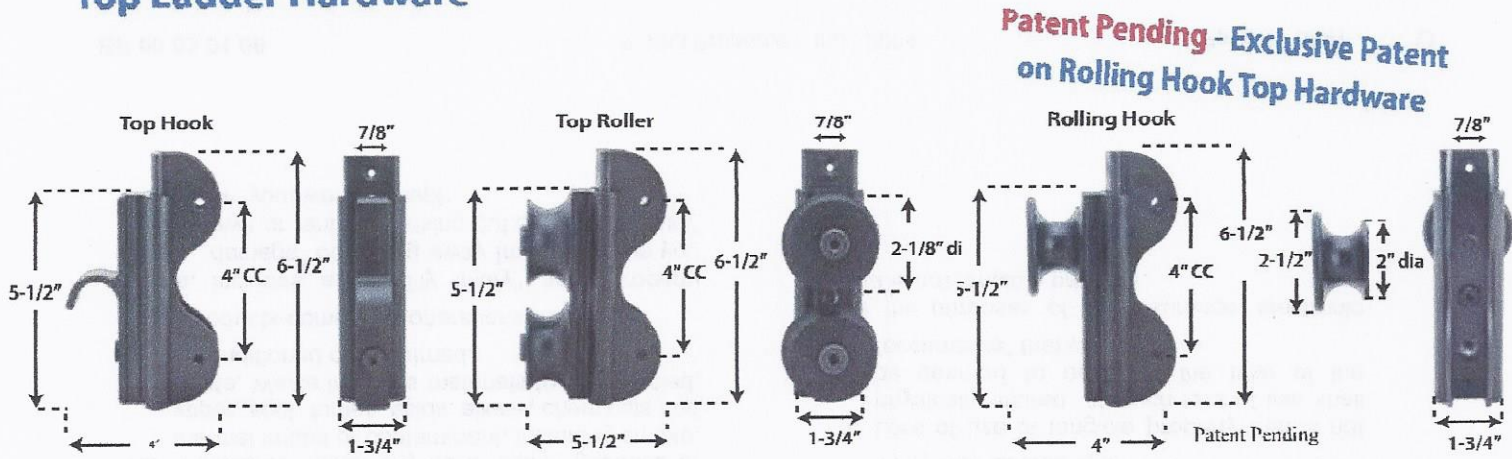
**Top Turned Rung**  
 16-1/4" long x 1-1/4" Dia., 7/8" Dia. ends.  
 14-3/8" Inside Width Unfinished



## Step 5:

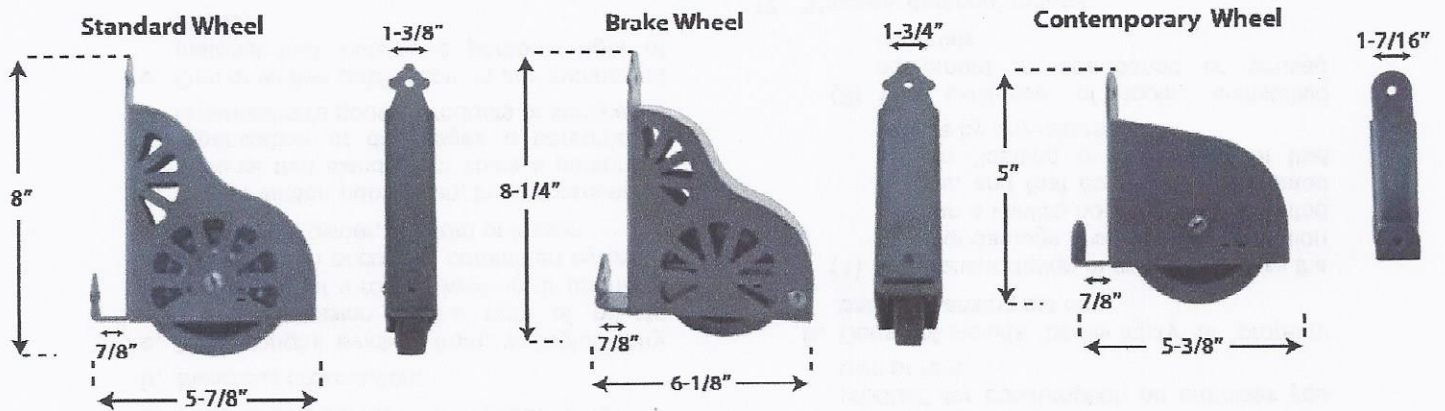
Line up bottom rollers vertical to the floor when ladder is in the climbing position pre-drill holes and install bottom rollers.

# Top Ladder Hardware

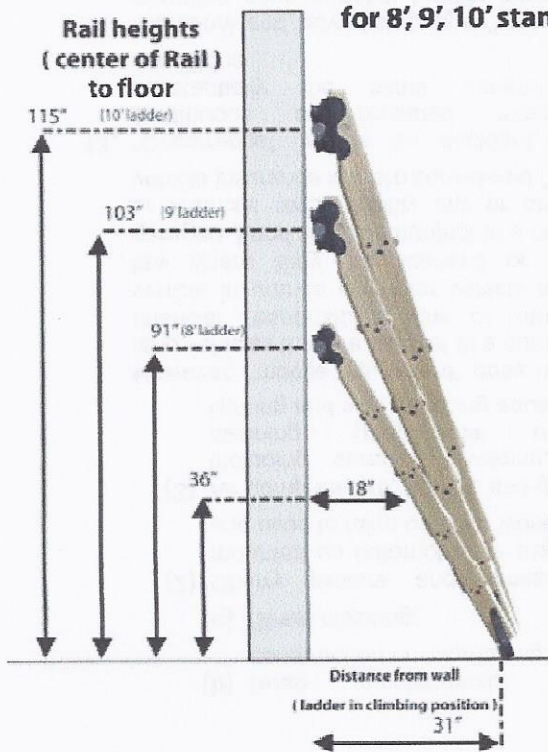


**Patent Pending - Exclusive Patent on Rolling Hook Top Hardware**

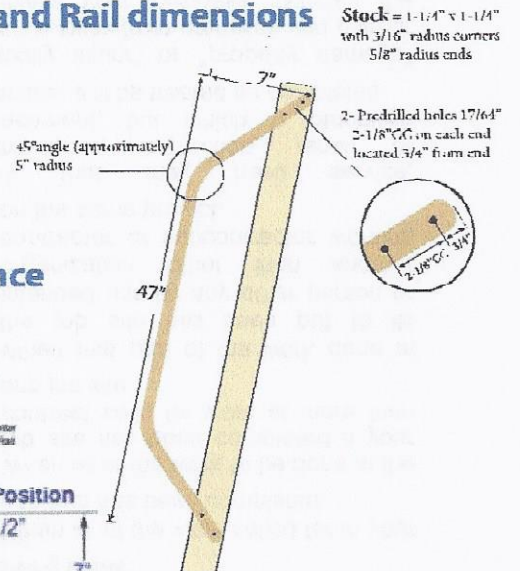
# Bottom Ladder Hardware



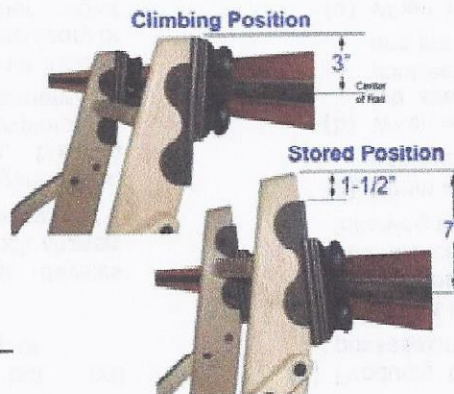
## Rail Height and distance for 8', 9', 10' standard ladders



## Hand Rail dimensions



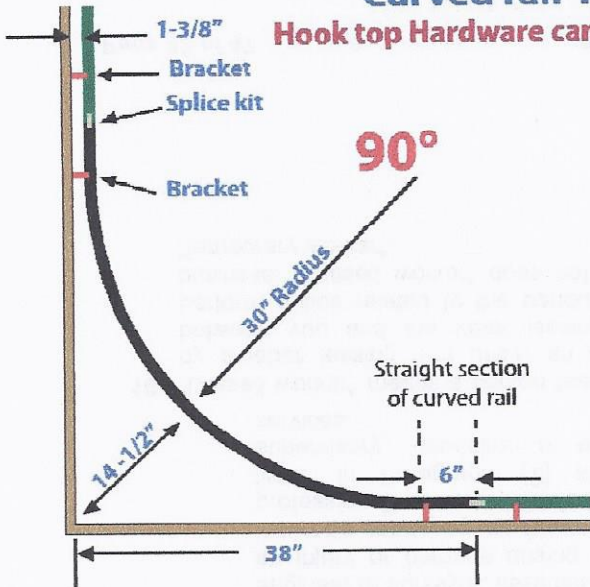
## Top Ladder Clearance



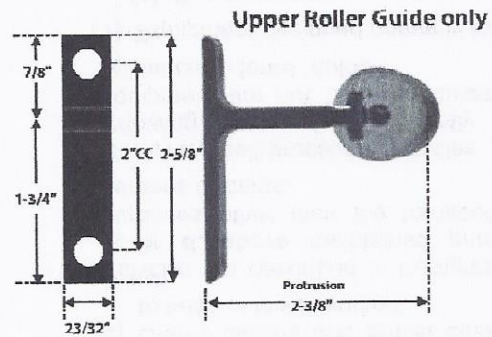
## Curved rail radius dimensions

**Hook top Hardware cannot be used with curved rails!**

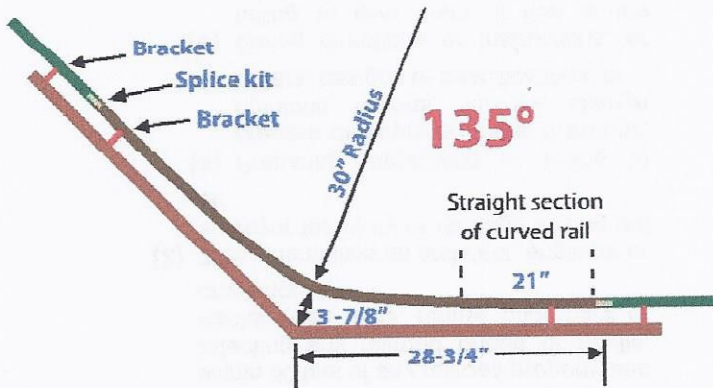
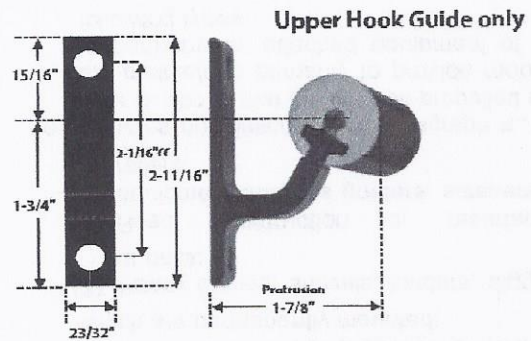
**Rail Diameter = 1"**



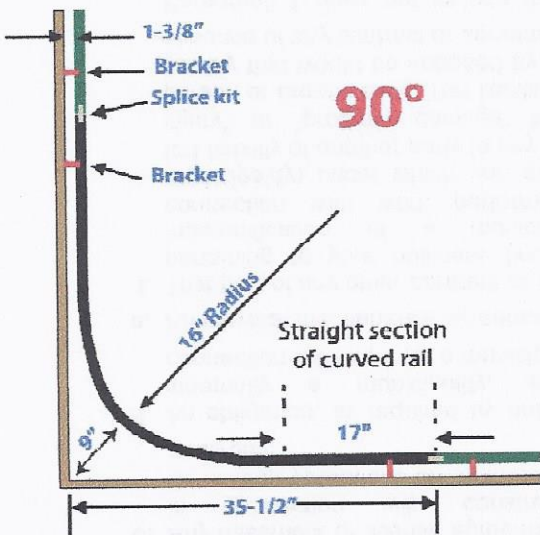
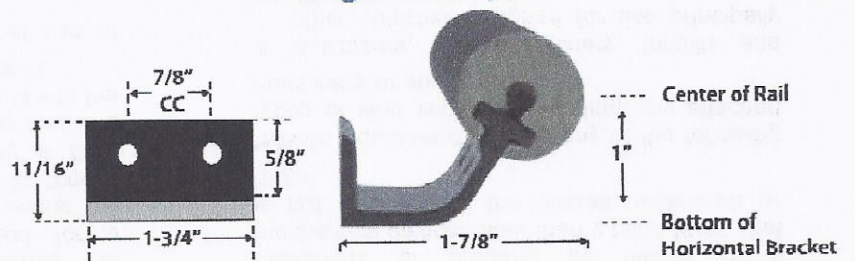
### Rail Bracket - Vertical Roller type



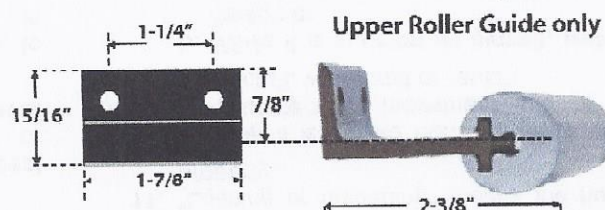
### Rail Bracket - Vertical Hook or Rolling Hook type



### Rail Bracket - Horizontal Rolling Hook type

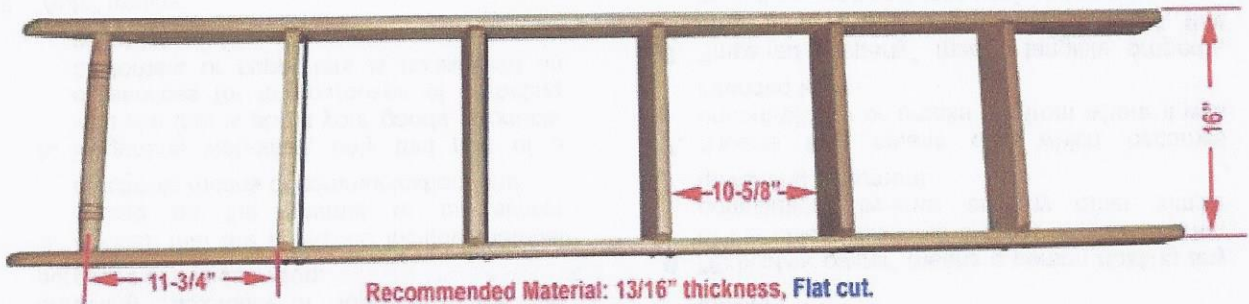
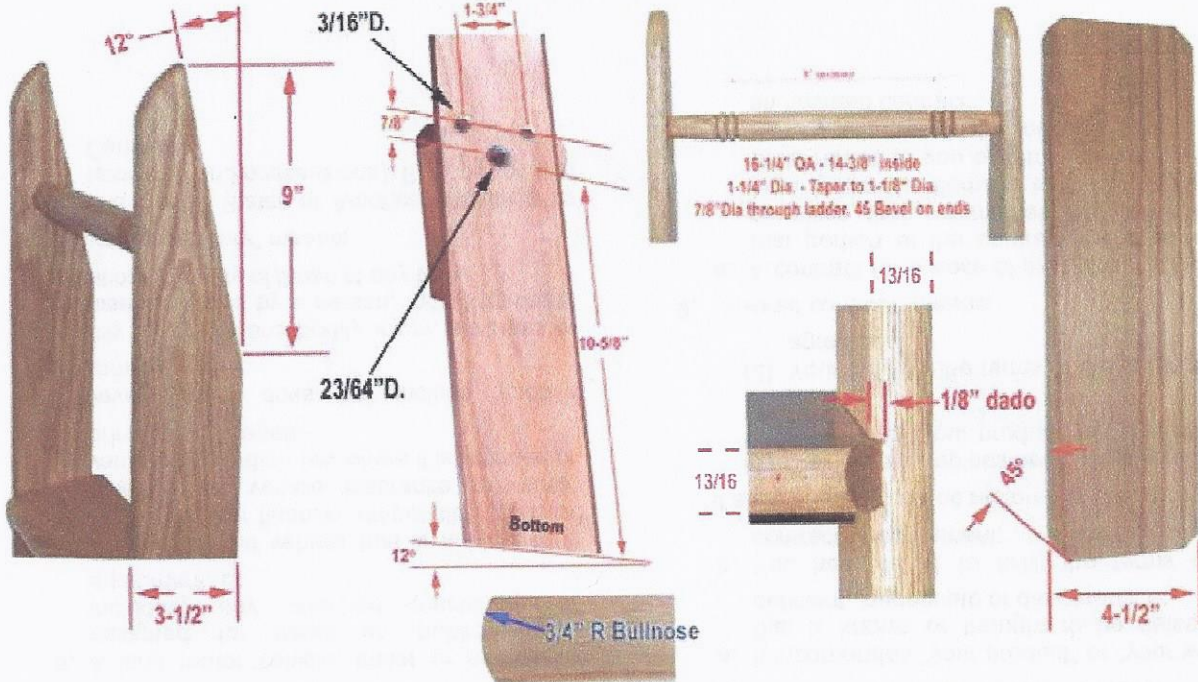


### Rail Bracket Horizontal Roller type



# Make your own Ladder

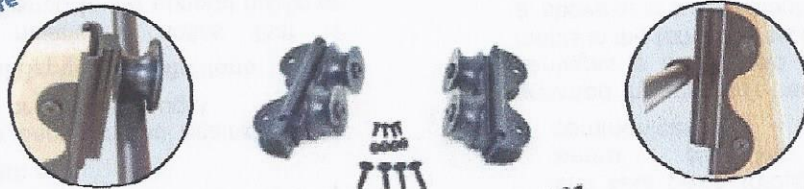
To determine length of ladder: Measure from the center of rail to the floor, then **add five inches** to the measurement.



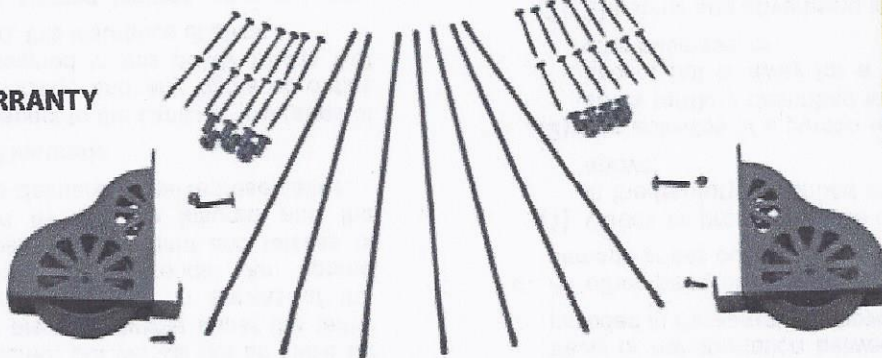
Recommended Material: 13/16" thickness, Flat cut.

## Rolling Ladder Hardware Kits

Patent Pending - Exclusive Patent on Rolling Hook Top Hardware



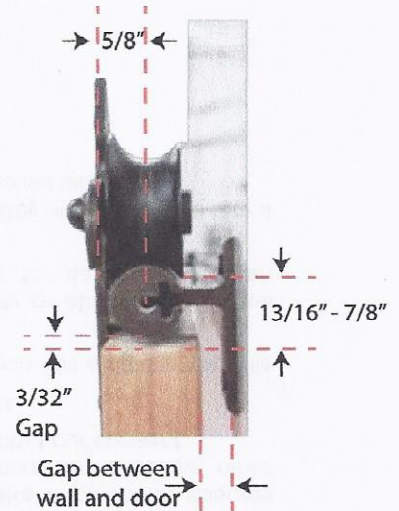
LIFETIME WARRANTY



# Rolling Door Instructions

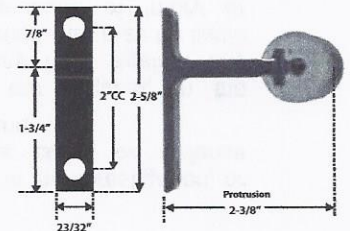
## Roller Strap Installation

1. Install the roller straps onto the top edge of the door. The location of these straps is critical for the proper, safe use of the rolling door.
2. The distance between the top of the door and the outer diameter of the back of the wheel (measured from the back of the door) should be  $13/16'' - 7/8''$  (this will achieve approximately  $3/32''$  gap between the top of the door and the rail when these measurements are achieved).
3. Using the screws provided attach the strap to the door. It is very important that the screws are installed into solid wood, not hollow-core doors with thin veneer skins. It is also recommended that you predrill the screw holes. Make sure that proper vertical alignment of the strap is achieved before fastening the strap to the door.

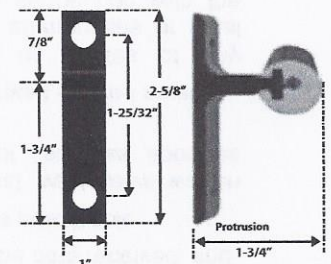


## Rail Installation

1. The location of the rail is dependent on the height of the door, desired gap between the floor and bottom of door and desired overlay of top of the door to door opening.
2. Recommended spacing for the wall mounted brackets is 16"
3. The **Short Bracket** will accommodate doors up to 1-1/2" thick, the **Long Bracket** will accommodate doors up to 2-1/4" thick.
4. Wall brackets must be mounted securely into the studs behind the sheetrock. If the brackets are to be mounted to the moulding surrounding the opening, the moulding must be firmly secured to the wall framework.



Long Bracket



Short Bracket

## End Stops and Center Guide (floor mounted & wall mounted)

1. After installing the door onto the rail, slide the door to the desired opened position.
2. Install the End Stop bracket to the floor or wall so that the door stops in the desired opened position.
3. Install the Center Guide bracket so that the door will always be captured by this bracket in the fully opened and fully closed position.
4. Repeat step #2 for installation of the other End Stop bracket when the door is in the closed position.

## Dimensional Specifications

Gap between the wall and the door

Using the Short Bracket: Door thickness -  $1-7/8'' = \text{gap}$

Using the Long Bracket: Door Thickness -  $2-1/2'' = \text{gap}$

