

## Please Note!!

### Tools Required For Assembly

4mm & 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.



Aluminum Rail Rod



Horizontal Bracket  
(Roller type)



Vertical Bracket  
(Roller type)



Vertical Bracket  
(Hook type)



End View

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



Rolled steel pin

Alignment Pin & Bar inserted into rail to connect another section of rail



(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



Install rung with screws provided #8 x 1-3/4", Install rung support rods

## 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



Ladder in the climbing position

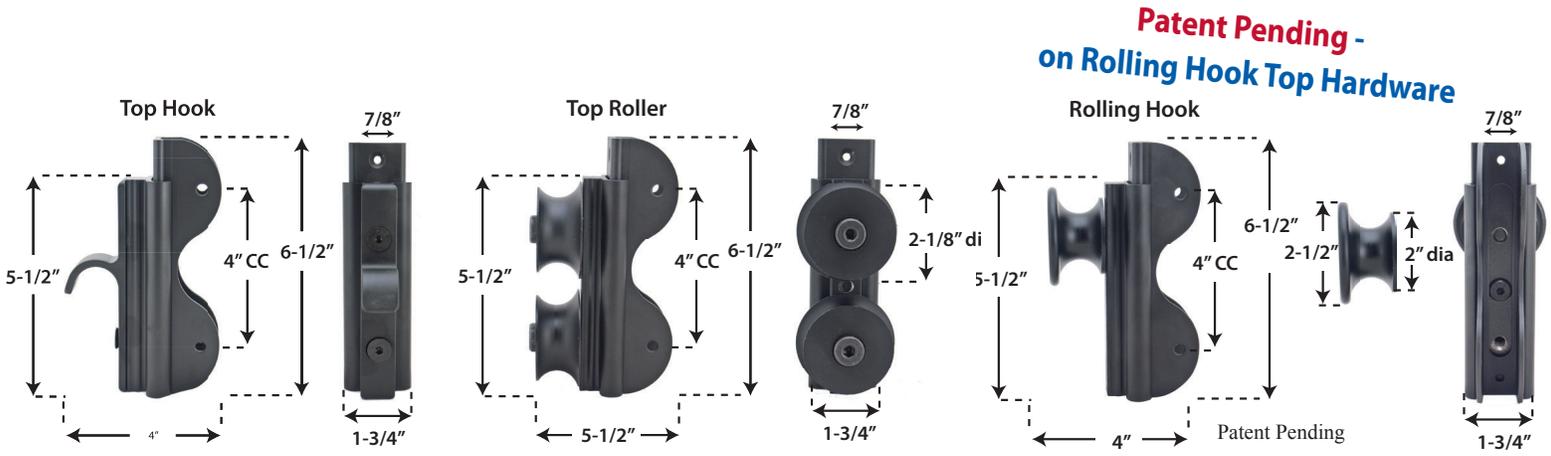


Ladder in the stored position

## Step 5:

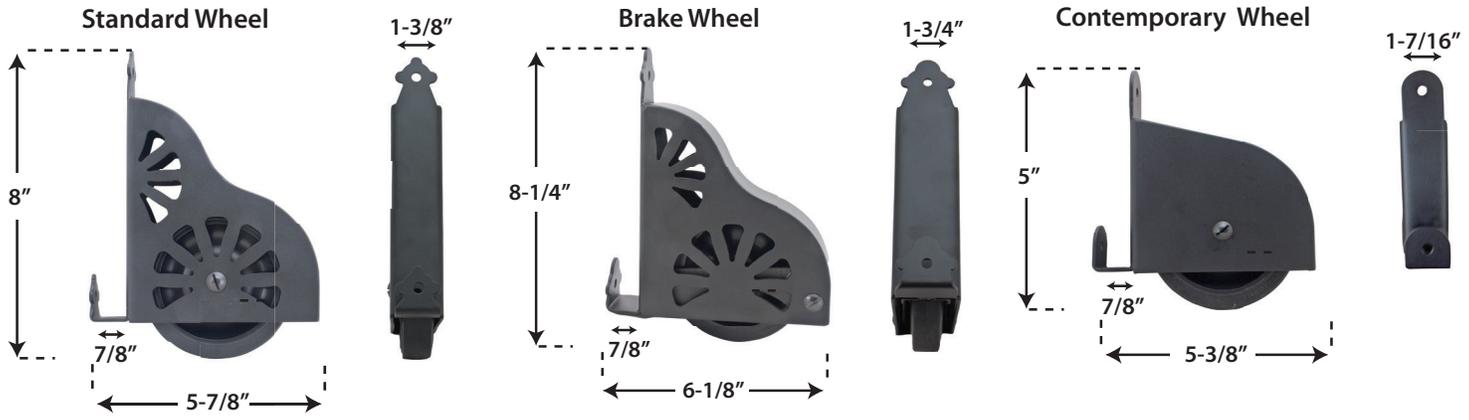
Line up bottom rollers vertical to the floor when ladder is in the climbing position pre-drill holes and install bottom rollers.

# Top Ladder Hardware

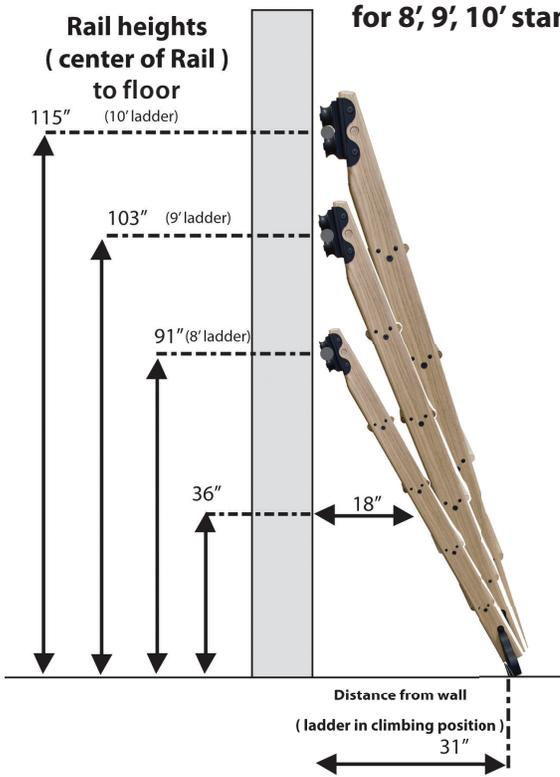


**Patent Pending -  
on Rolling Hook Top Hardware**

# Bottom Ladder Hardware



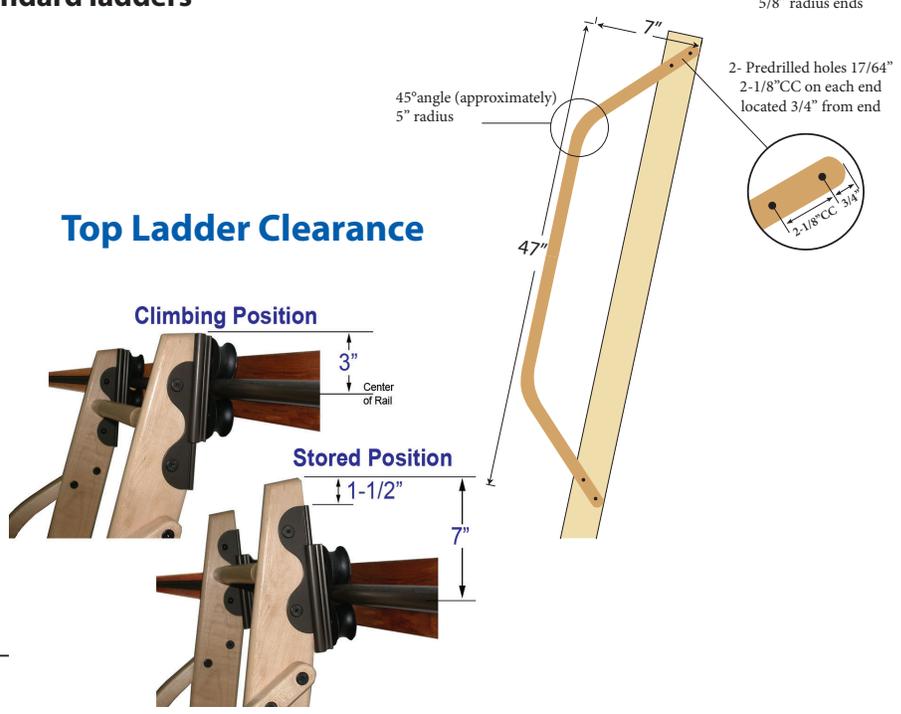
## Rail Height and distance for 8', 9', 10' standard ladders



## Hand Rail dimensions

Stock = 1-1/4" x 1-1/4"  
 with 3/16" radius corners  
 5/8" radius ends

## Top Ladder Clearance

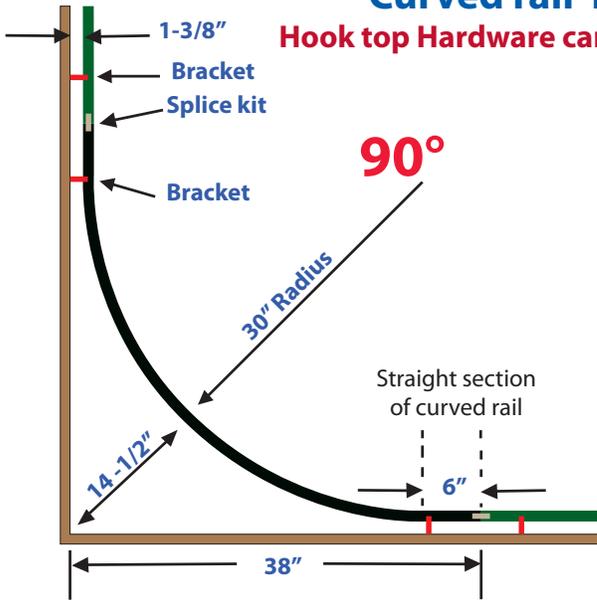


# Curved rail radius dimensions

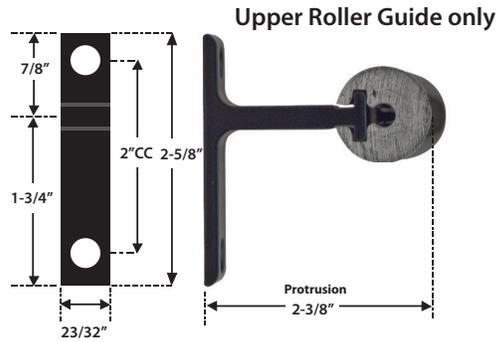
Hook top Hardware cannot be used with curved rails!



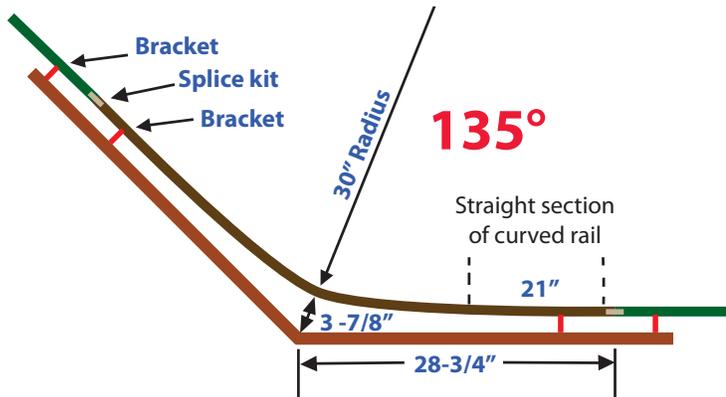
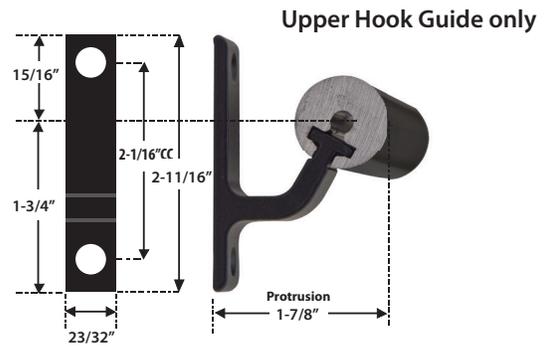
Rail Diameter = 1"



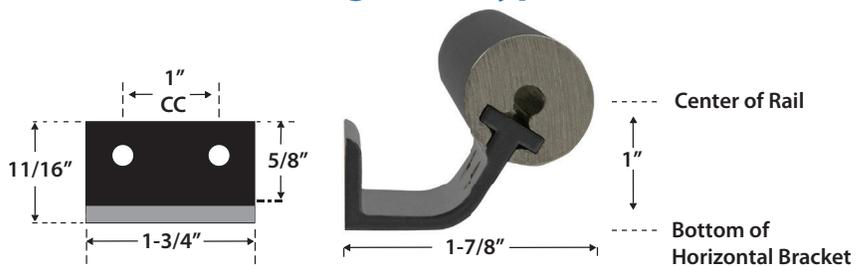
## Rail Bracket - Vertical Roller type



## Rail Bracket - Vertical Hook or Rolling Hook type



## Rail Bracket - Horizontal Rolling Hook type



## Rail Bracket Horizontal Roller type

