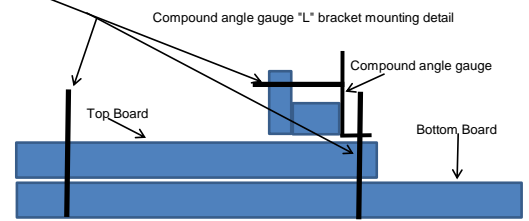
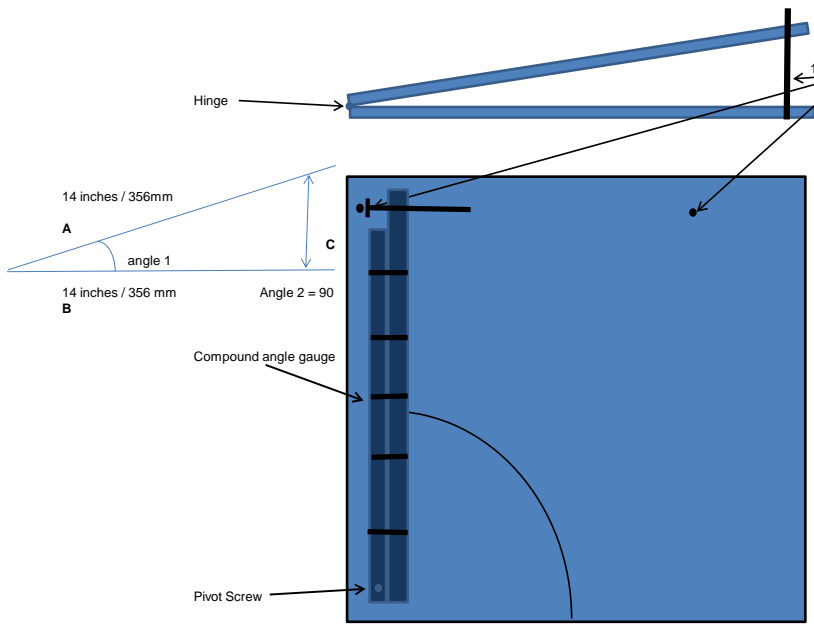


Angle 1 Degrees	Spacer washer count
1.0	5
1.5	
2.0	10
2.5	
3.0	15
3.5	
4.0	20
4.5	
5.0	24
5.5	
6.0	28
6.5	
7.0	33
7.5	
8.0	37
8.5	
9.0	42
9.5	
10.0	47



0.00000
0.00000
0.00000

- Materials list:
- 2- Walmart plastic cutting boards
 - 1- piano or strap hinge 12 inches long
 - 3- 1/4-20 x 4 carriage bolts
 - 1- 1/4-20 x 1.5 carriage bolt
 - 2- 1/4-20 wing nuts
 - 1- 1 3/4 inch "L" bracket
 - 120- 1/4 to 15/32 SAE washers (they will have a standard thickness of .065)
 - 5 - #4 x 3/4 pan head wood screw
- Assembly;
- 1-use table saw or radial arm saw to square up one end of each cutting board by cutting 1/2 inch off
 - 2- drill 3/8 inch holes in both boards 1/2 inch in from top edge and 1.5 inches in from sides, stack boards and drill both boards at the same time
 - 3- enlarge holes in one board to 1/2 inch, this will be the top board.
 - 4-mark and drill a 1/4 inch hole 3/4 inch in and 3/4 inch up from hinge end of top board
 - 5- mount hinge to boards
 - 6- drill 5 -1/8 inch pilot holes through 3/4 inch scrap and 2 inch scrap clamping them together to form a 90 degree angle- see detail
 - 7- drill 1/4 inch hole, 3/4 inch from the end of one of cut off scraps
 - 8- use 1/4-20 x 1.5 carriage bolt to mount angle gauge to top board
 - 9- use stacked washers to "set" your new tilt angle table and compound angle gauge to your desired angle
 - 10- use a bar clamp to hold brick for cutting
- Calculations based on side A static measurement of 14 inches
Side B measurement will change ,but only by less than 0.25 inch or 6.5mm
If you need a tighter fit...use more mortar !