

# STAIR STRINGER

## Instructions

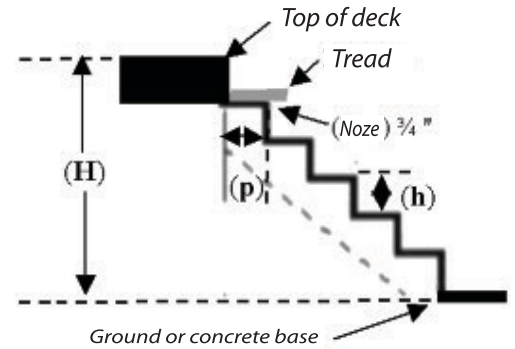
With the adjustable bracket, you can easily build sturdy stairs.

### Example for a deck with a height (H) of 42"

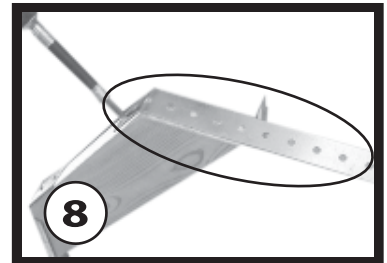
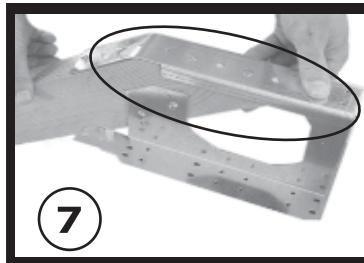
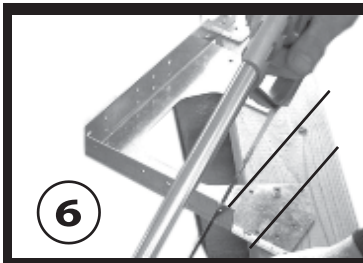
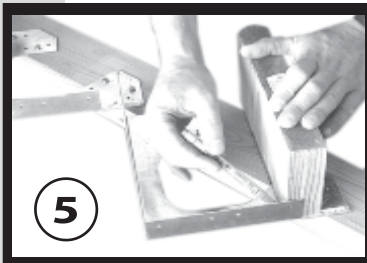
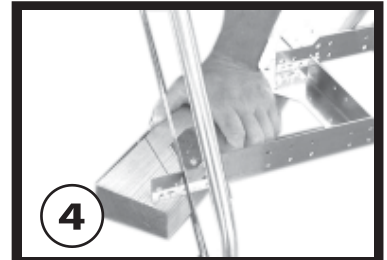
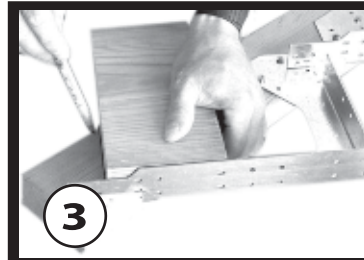
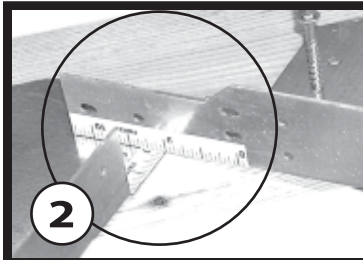
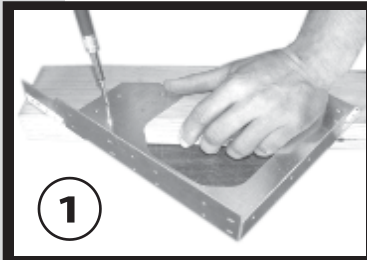
#### Calculating the number of treads and risers

First, you must know the height (H) of your deck. You also have to determine the number of risers you will have. In order to do so, let us use a standard riser height of 7 1/2": we then divide 42" by 7 1/2" = 5.6, rounded off to 6 risers. We now know that we will need 6 risers and 5 treads. In order to find the exact rise, make the following calculation: 42" divided by 6 = 7". Therefore, we have 6 risers of 7" high, and 5 treads, the 6th tread being the top of the deck.

About 3/4" (nosing) must be subtracted from the tread to find the run (R).  
Example: a tread of 9 3/4" minus 3/4" = a run (R) of 9".



- 1** *Attaching the first bracket to the stringer-* Start with the rise. Use the measuring scale to adjust the bracket with the measurements you have determined. The end of the measuring scale on the rise must be flush with your piece of wood.
- 2** *Attaching other brackets-* The 2nd bracket overlaps the 1st, and so on. Use the measuring scale to adjust the bracket with the measurements you have determined.
- 3** *Marking the top of the stringer-* Place a piece of lumber cut at a 90-degree angle against the back of the bracket. Use it as a square and draw a line along the piece of lumber from where it meets the measuring scale. Coupez le haut du support et du limon.
- 4** *Cutting the top of the bracket and of the stringer-* Using a hacksaw, cut the measuring scale and the stringer along the line you drew in step 3.



- 5** *Marking the bottom of the stringer-* Place a piece of lumber cut at a 90-degree angle against the back of the bracket and use it as a square. In this step, you have to draw two lines, one using the measurement (R2) on the measuring scale. Draw a second line subtracting the thickness of the tread (photo 5) in order to have the same rise (R2) for the first step.
- 6** *Cutting the bottom of the bracket and of the stringer -* Using a hacksaw, cut the measuring scale and the stringer along the second line you drew in step 5.
- 7** *Installing the shoe-* Fold the shoe on the stringer (Make sure screw heads under the shoe do not exceed the surface of the metal).
- 8** *Installing the attachment strip-* Using two screws, install the attachment strip on the backside of the stringer and fold it along the end of stringer.

