

Hot Glass Products - Studio Glass Cutter Installation

Overview

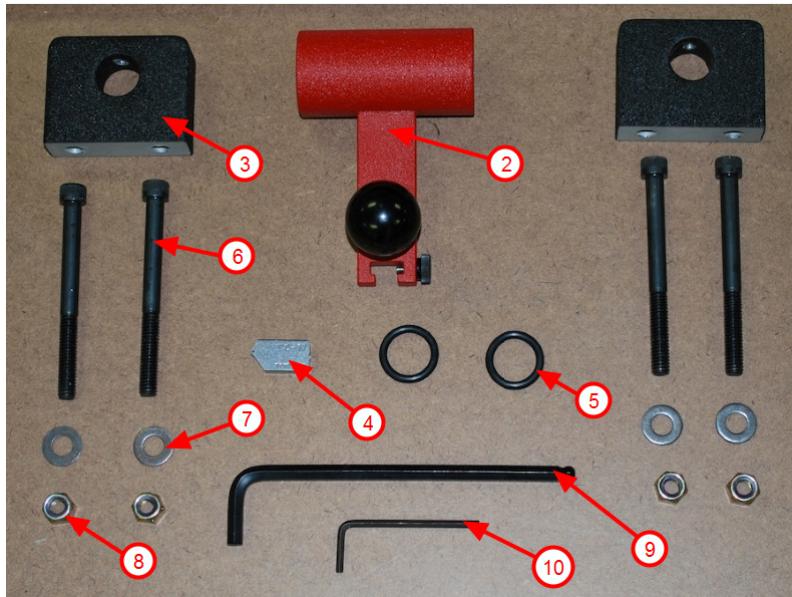


The Studio series glass cutters are designed to be mounted on a worktable. The table can be between 3/4" and 1" thick and can be mounted up to the edge of a table. This guide will provide basic installation instructions. The following are recommended size tables:

24" - 25" wide, 48" length minimum.
36" - 37" wide, 60" length minimum.

30" - 31" wide, 60" length minimum.
48" - 49" wide, 72" length minimum.

What is Included



Before you get started, Make sure you have all of the Parts.

- 1 - (1) Slide bar (not shown) will be 24", 30", 36" or 48" depending on the size you ordered.
- 2 - (1) Cutter head assembly.
- 3 - (2) Bar supports
- 4 - (1) Toyo TC-17 cutting head. (normally pre-installed in the cutter head)
- 5 - (2) 3/4" O-rings
- 6 - (4) 5/16" x 3 1/2" Socket head bolts
- 7 - (4) Washers
- 8 - (4) 5/16 Nylon locking nuts
- 9 - (1) 1/4" Hex Wrench
- 10 - (1) 1/8" Hex Wrench

What else is needed



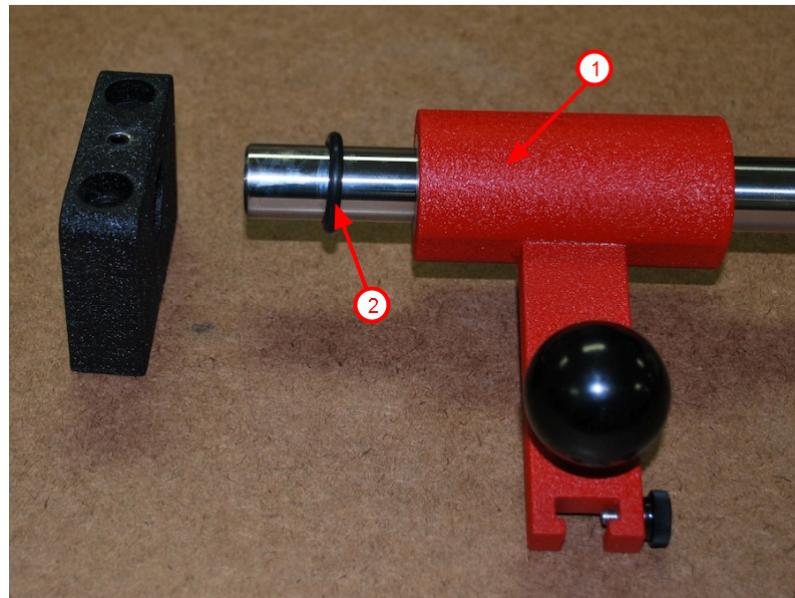
You will need to supply a 1/8" thick strait edge to square up the glass for cutting. I recommend the Johnson Level & Tool 60" aluminum ruler. (Home Depot SKU # 378356) If you can't find one, any 1/8" thick metal ruler will work. You will also need some 1/2" to 3/4" sheet metal screws.

Tools Needed

The following tools will be needed for installation:

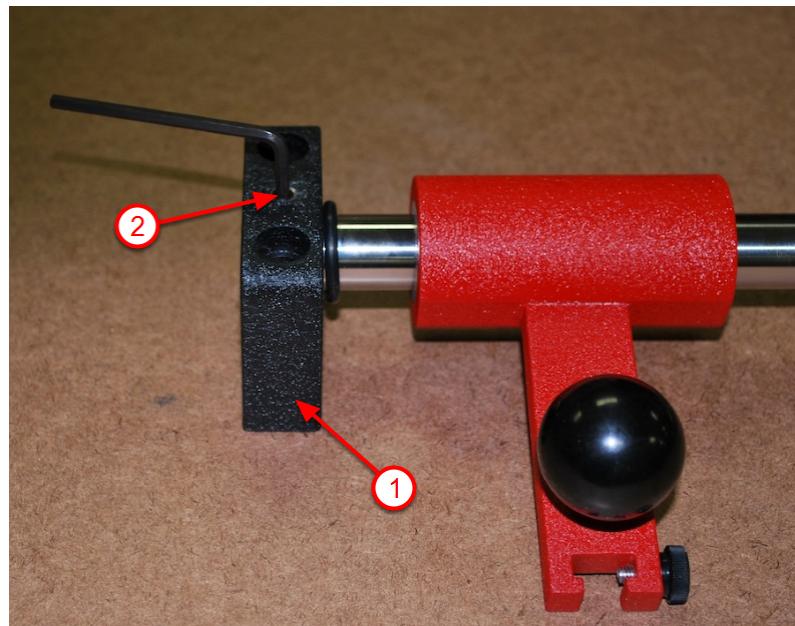
- Electric drill
- 5/16" drill bit
- Tape measure
- Framing square
- Painters or masking tape
- 1/2" socket, box wrench, or adjustable wrench
- Drill bits for ruler mounting screws
- Pencil
- Flat and, or Phillips screwdriver (depending on screw type used)
- (2) 4" to 6" c-clamps
- (2) Spring clamps
- Straight edge or framing ruler that is wider than the table
- light oil
- WD 40 or a degreaser

Installation - Assemble the Studio Cutter



Before assembling clean the slide rod with WD 40 or a degreaser. Wipe down with a paper towel, and apply a thin coat of light oil.

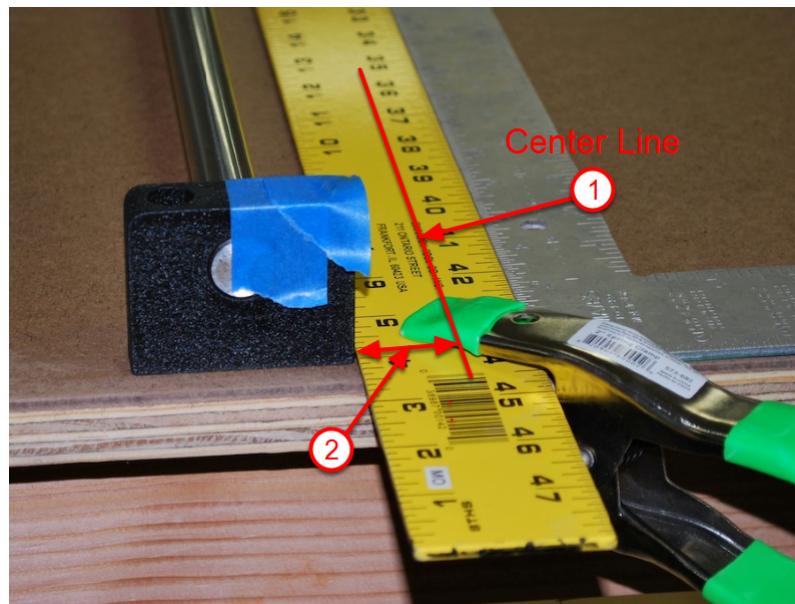
1. Slide the Cutter head assemble onto the Slide Bar. It should slide freely.
2. Slide an o-ring onto each end of the slide bar, about 1" from each end.



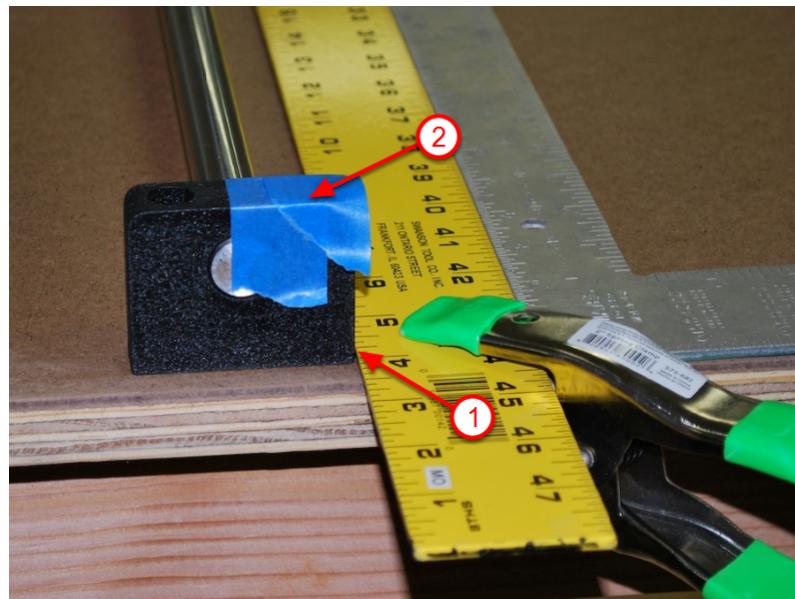
1. Slide bar support onto end of bar so the end of the bar is flush with the outside of the bar support..
2. Lightly tighten the set screw using the supplies 1/8" hex wrench. Repeat for other end. Tighten just enough so the bar doesn't move. You may need to make further adjustments.

Mounting the Studio Series Glass Cutter

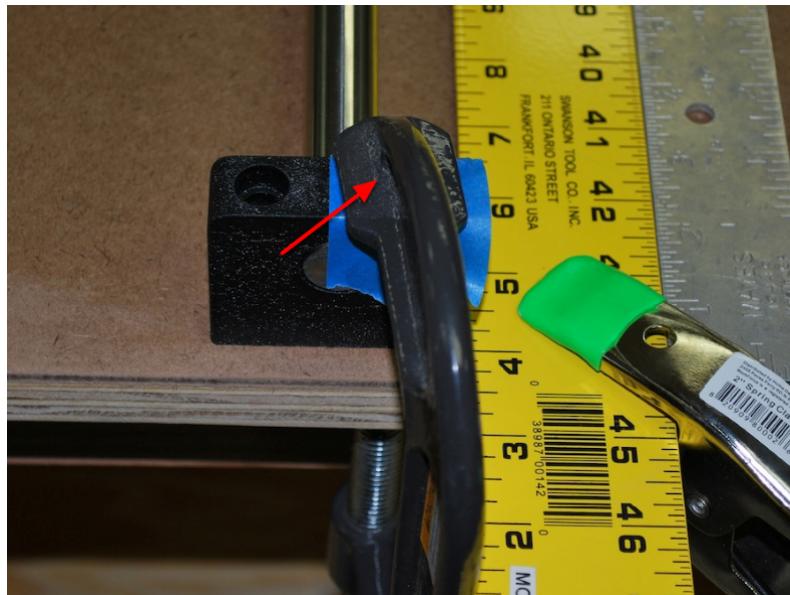
It is recommended that the glass cutter be mounted in the center of the table to ensure that it can cut a large piece of glass. Consider your needs before mounting.



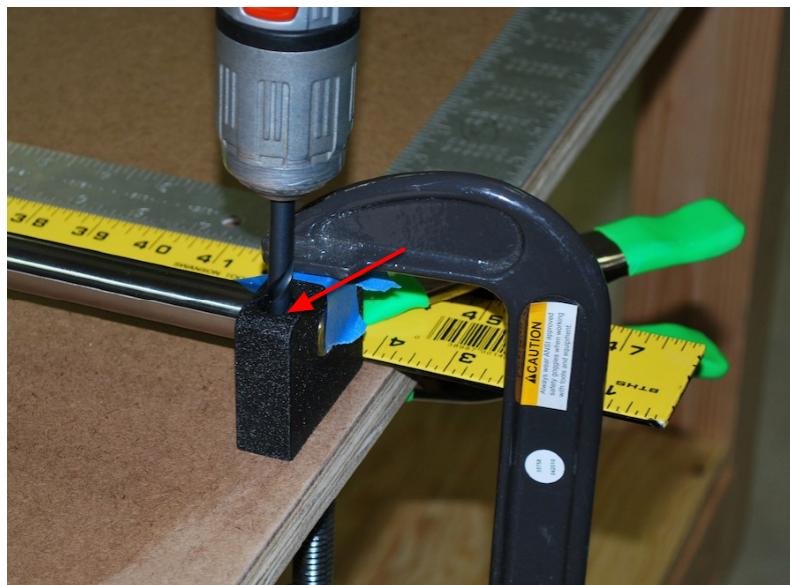
1. Mark a center line on the table.
2. Subtract 1-1/8" from the center line align the bar support with. Using a framing square make sure the ruler is perpendicular to the table. Use the spring clamps to hold the strait edge securely to the table.



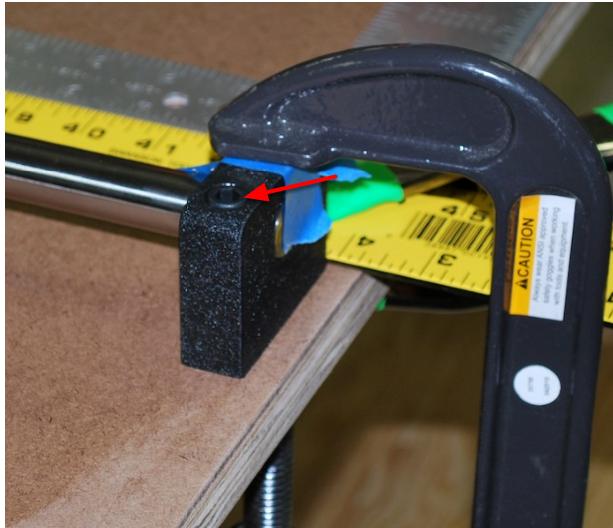
1. Push the assembled cutter up to strait edge and center it across the width of the table.
2. Protect the top of the support with painters tape or masking tape. Repeat for other side.



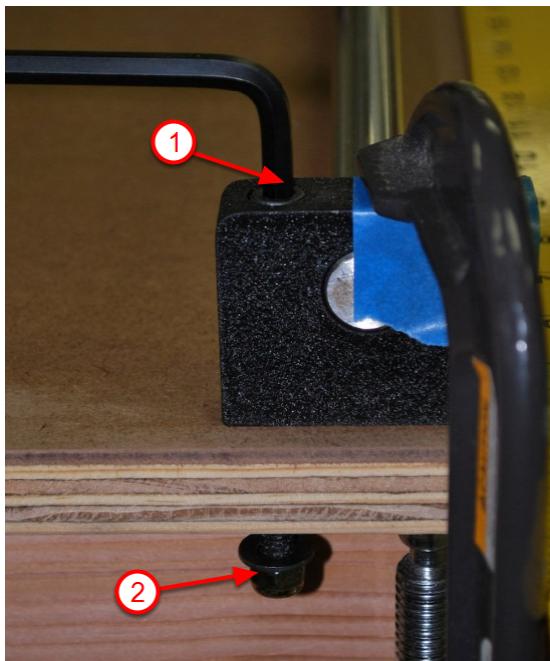
Use a c-clamp to hold the support to the table. It should be tight enough to hold the assembly from moving while drilling. repeat for other side.



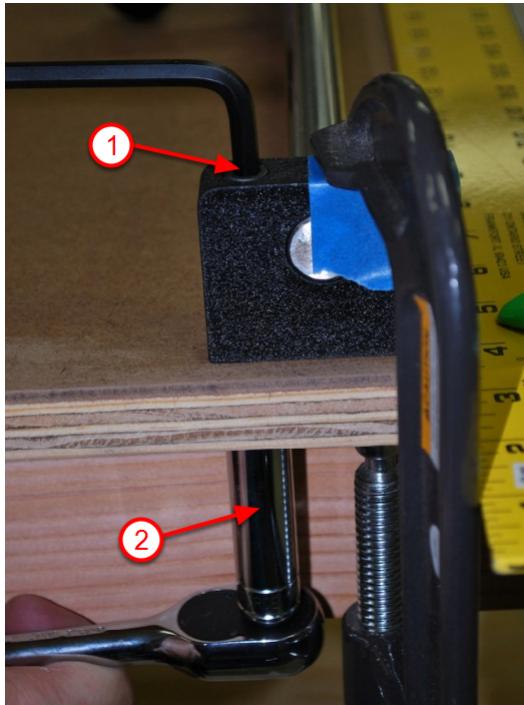
Use a 5/16" drill bit to drill through through the table. Drill slowly as not to mar the part when you drill through. If you are uncomfortable drilling all of the way through, drill 1/2 way through on both ends before removing cutter to complete holes.



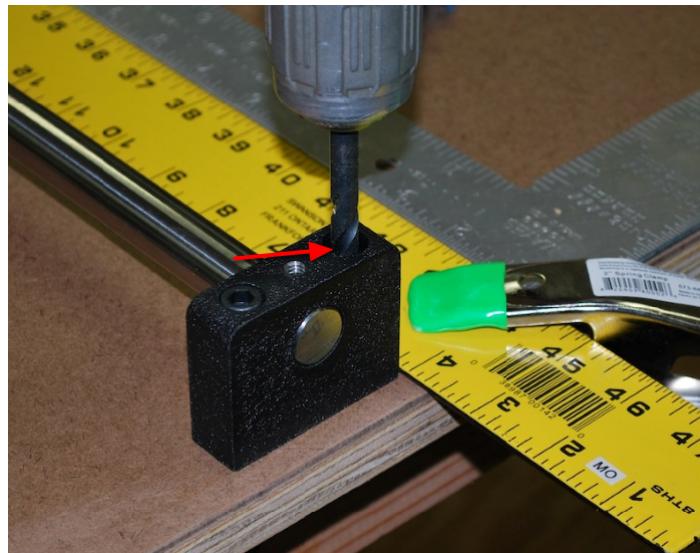
Insert Mounting bolt.



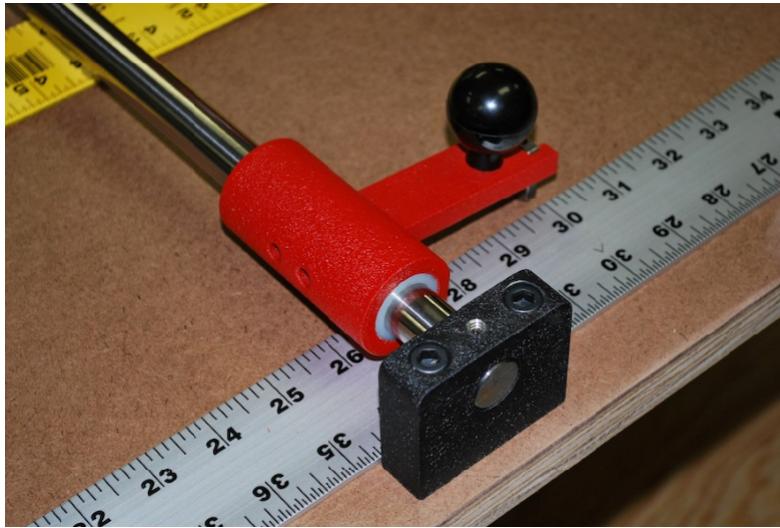
1. Use the 1/4" hex wrench to hold bolt.
2. Place washer and nut onto bolt.



1. Use the 1/4" hex wrench to hold bolt.
- 2 Lightly tighten with 1/2" socket or wrench.

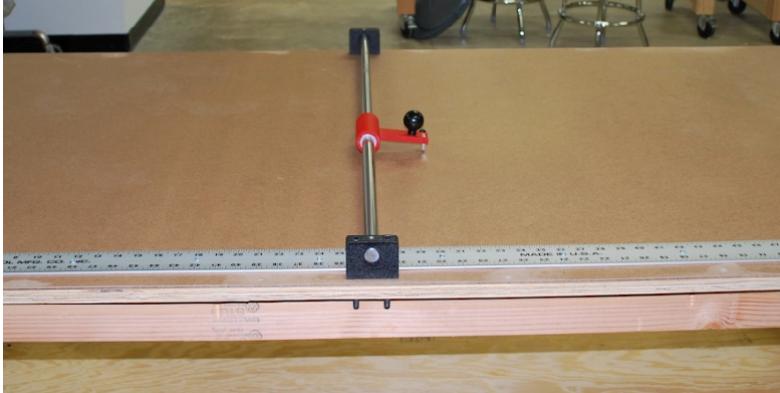


Drill the second set holes.

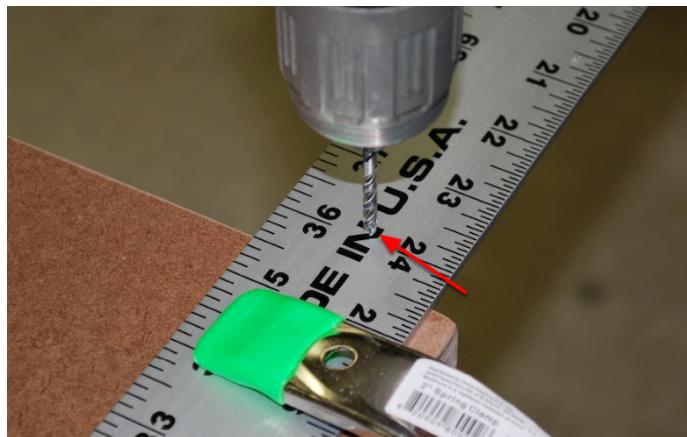


Install remaining bolts. Tighten all 4 bolts, and the 2 set screws that hold the bar. The mounting of the cutter is complete.

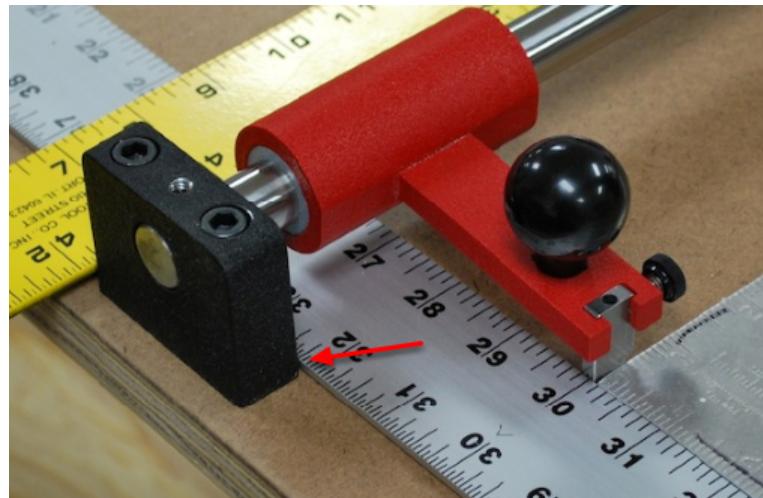
Installing a Ruler



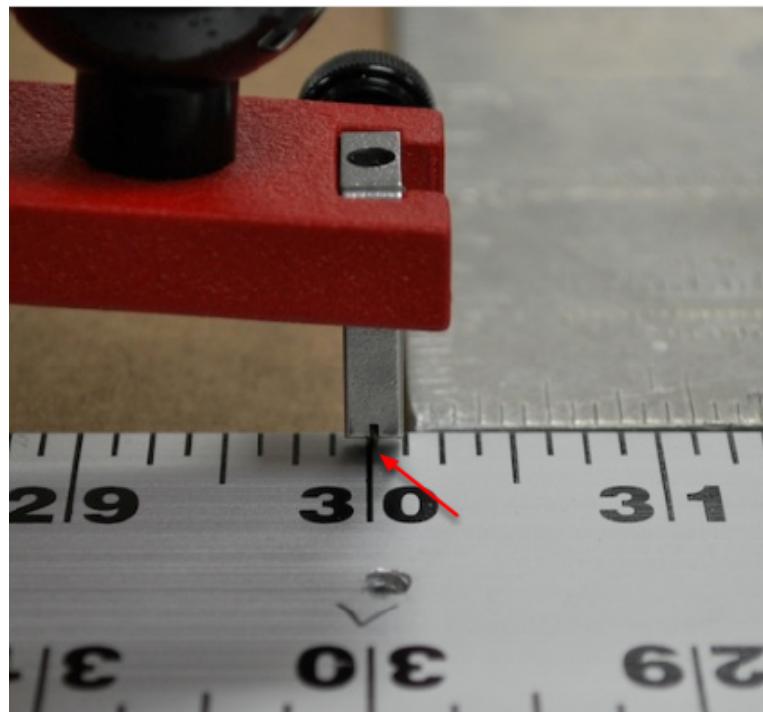
In this example, I will be using a Johnson Level & Tool 60" aluminum ruler. (Home Depot SKU # 378356) I will be making the center line at 30"



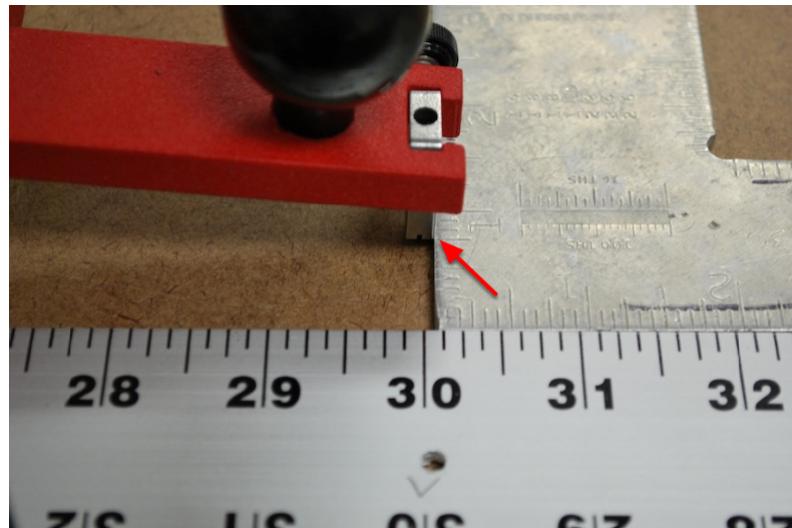
Start by drilling some mounting holes. I recommend drilling holes every 6" and 1/2" from each end. Use sand paper to remove the sharp edges after drilling.



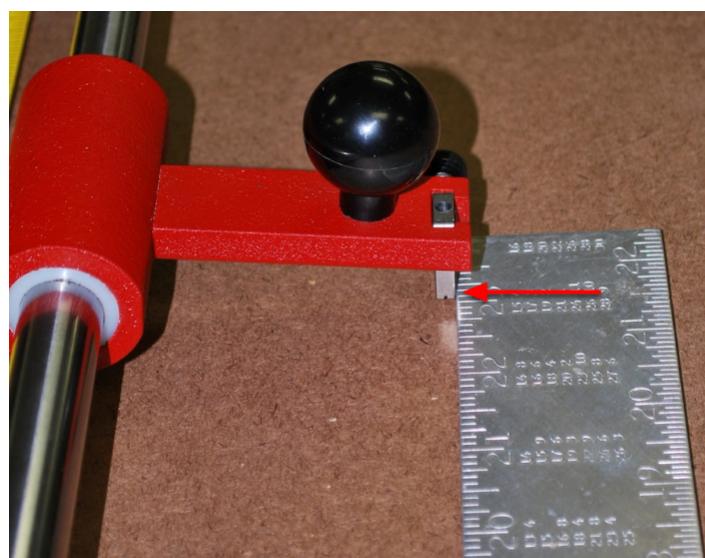
Start by centering the ruler by eye, and push the ruler up next to the support.



Line up your center mark on the ruler with the cutting wheel. Once it is centered, use the spring clamps to hold down the ruler.



Slide the cutter about 1" away from the ruler. Make sure the framing square is pressed up against the ruler, and slide it until it touches the cutting head.



Adjust the ruler so that the cutting head is touching the framing square along the length, and the square is pressed up to the ruler. You are trying to have the ruler 90 degrees to the cutting head. Take your time



Insert and tighten one screw on the end, and recheck alignment. If alignment is good, fasten the other end. Check alignment again. If alignment is good, fasten the rest of the ruler. Once the ruler is installed, you are ready to use your Studio glass cutter.

Maintenance

The cutter should be wiped down after use, and the bar lightly oiled. Periodically check bolts and set screws to make sure they are tight. If you have any issues with the Studio glass cutter, go to www.hotglassproducts.com and use the contact form.