

Quick Start - Section B

Quick Start - Section A is a fast way to get started using your Portable Glass Shop. If you are connected to the web, we have a great deal of information to supplement what came with your PG01B. Videos, tutorials and expanded manuals are available to you at mortonglass.com.

To use the PG01B you must add numbers and marks to your Morton Surface. Pages 2 & 3 are excellent, but we do have advanced literature on the web that can be downloaded to a computer.

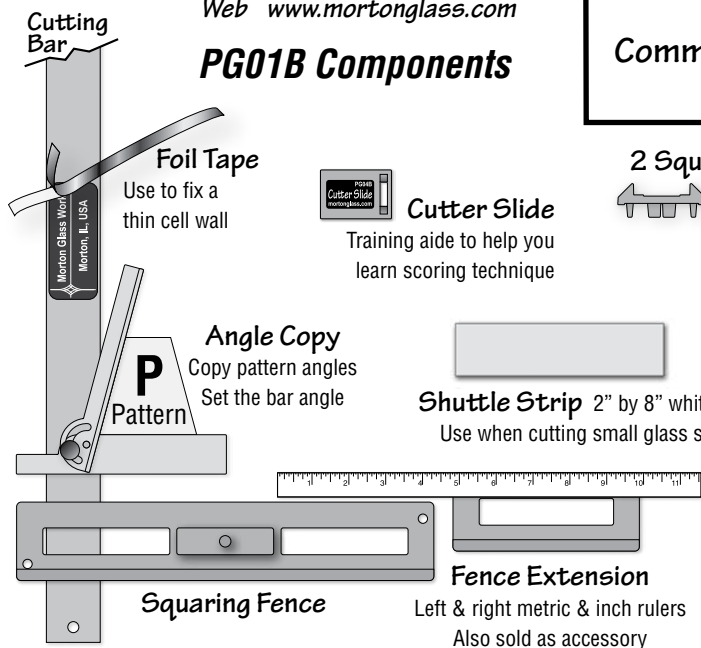
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PG01B Components



2 Squaring Blocks

Hold cutting bar in 90° setups

3 Glass Stops

Used to set sizes

Cutter Gauge

Allows for the glass cutter against the cutting bar

Small Squaring Fence

Hold cutting bar in 90° setups

2 Bar Locks

Used when setting angles

Bar Spacer

Levels the bar when setting angles

90° Fast Angle

Right Triangles
Mitered Corners
Octagons

Angle Settings

60° & 120° Fast Angles

Modify 60° Diamonds Into
Equal Triangles & Hexagons

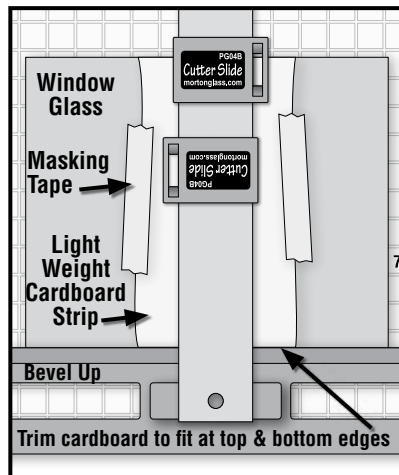
12 inch Ruler

Using your glass cutter better

To have success with the PG01B you must learn to score down the cutting bar with little to no side pressure and without tilting your glass cutter to the left or right. The Cutter Slide is a device to help you learn and practice these two scoring skills.

The Cutter Slide is easy to use, but you must practice. Like training wheels on a bicycle, as you get the feel of gliding down the cutting bar without side pressure or tilting, you can put the Cutter Slide back in the box.

This diagram is showing a way to practice without glass. Poster board, or the side of a cereal box, taped to a piece of window glass will let you practice without wasting your valuable glass.

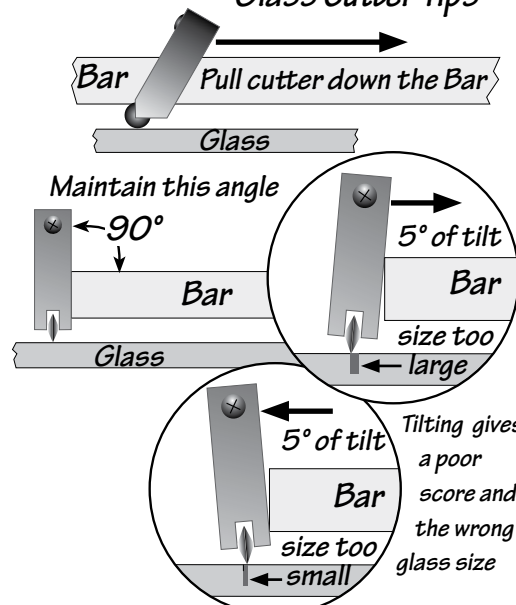


The Cutter Slide is sized for glass cutters that are 5 mm wide. This has become a standard since about 1980. The Toyo pattern head is an example of a cutter head that will work well with your Cutter Slide.

With your cutter head in the Cutter Slide window, pull the cutter down the bar. The device will tip off the bar or bind up if you are tilting your glass cutter. Because the window holds the cutter to the bar, extra side pressure is not needed. Keep an even down pressure as you score from the top edge until off the cardboard (or glass).

Practice on both sides of the bar until you feel good about how smooth and easy it is to score down the bar.

Glass Cutter Tips



Check mortonglass.com for videos and updates on how best to use the Cutter Slide.

Preparing a Morton Surface for the PG01B

Your surface model - The PG01 used different reference numbers than the PG01B. Any Morton Surface will work but the numbers must be changed to the PG01B layout. Use the **1 2 3** surface sizes to identify your surface. **Always use the number specific to your surface model.**

1 SS02 - Mini Surface - 1980 - 2011
40 cells wide - 25 cells high
22.5 by 14.25 inches (57 by 36 cm)

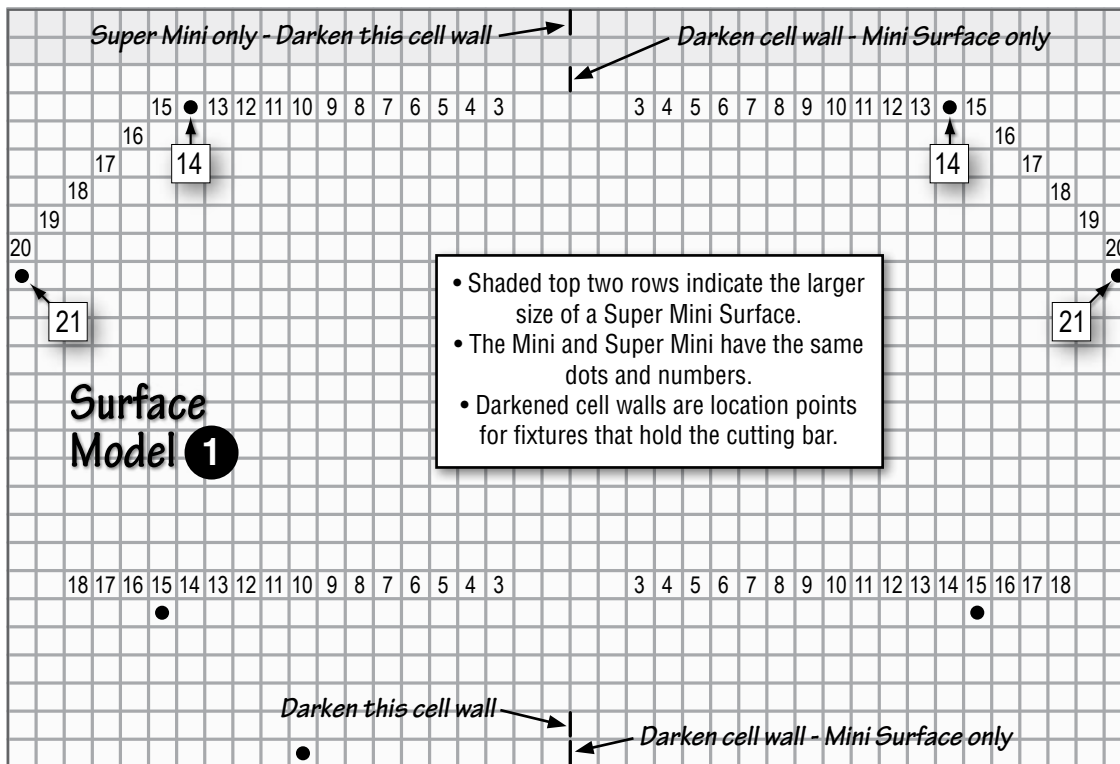
1 SMO3 - Super Mini - 2005 - 2011
40 cells wide - 27 cells high
22.5 by 15.375 inches (57 by 39 cm)

2 LS01 - Maxi Surface - 1980 - 2011
56 cells wide - 40 cells high
31.75 by 22.5 inches (80.5 by 57 cm)

3 SS02P - Mini Surface Plus
2 Panels - Each panel has 28 cells by 20 cells
Interlocked = 40 cells wide - 28 cells high
22.5 by 15.75 inches (57 by 40 cm)

1 Preparing a Mini or Super Mini Surface for the PG01B

- If your surface has several black, red and green dots... go to **Step 1**.
- If your Surface has only 7 black dots... go to **Step 2**.



Step 1... Removing extra dots and other markings.

Things you will need:

- Nail Polish Remover
- Q-Tips
- Soft lead pencil with eraser.

A... Locate and mark the 7 black dotted squares shown in the diagram... place a small object in each dotted square to temporarily mark it.

B... With nail polish remover in a small cup, wet the end of a Q-Tip and dab a small amount on a dot to be removed... with a clean dry Q-Tip, wipe out the dot. Using less remover and clean Q-Tips works best.

C... Any other numbers or marks must be removed before continuing to Step 2. Remove any pencil marks with a pencil eraser and permanent marks with the nail polish remover.

Step 2... Using the diagram Surface Model **1** as a guide, use Option 1 or Option 2 to number your surface.

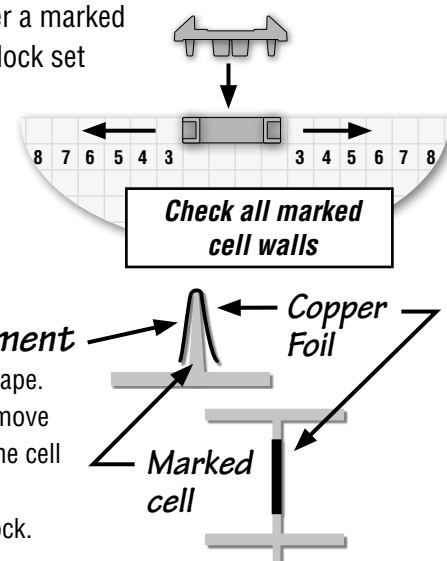
- Option 1 - Use a soft lead pencil to write in all the numbers. Darken numbers later with a black Sharpie marker.
- Option 2 - Cut out the numbered squares, from the sheet provided in your instruction pack, and paste the squares into the numbered cells including the squares with dots (14 & 21). Use a small dot of craft glue to paste the squares in place. The blank squares can be used to cover over old numbers.

Step 3... Some Surfaces have a thin cell wall in an area where a Glass Shop fixture must be located. Thin cell walls, on your Surface, are easy to fix. To check your surface cell walls, use one of the orange plastic Squaring Blocks.

- Place the center notch over a marked cell wall. With a Squaring Block set firmly into the surface, try to move it to the left and right. If you have little or no side movement the cell wall is correct.

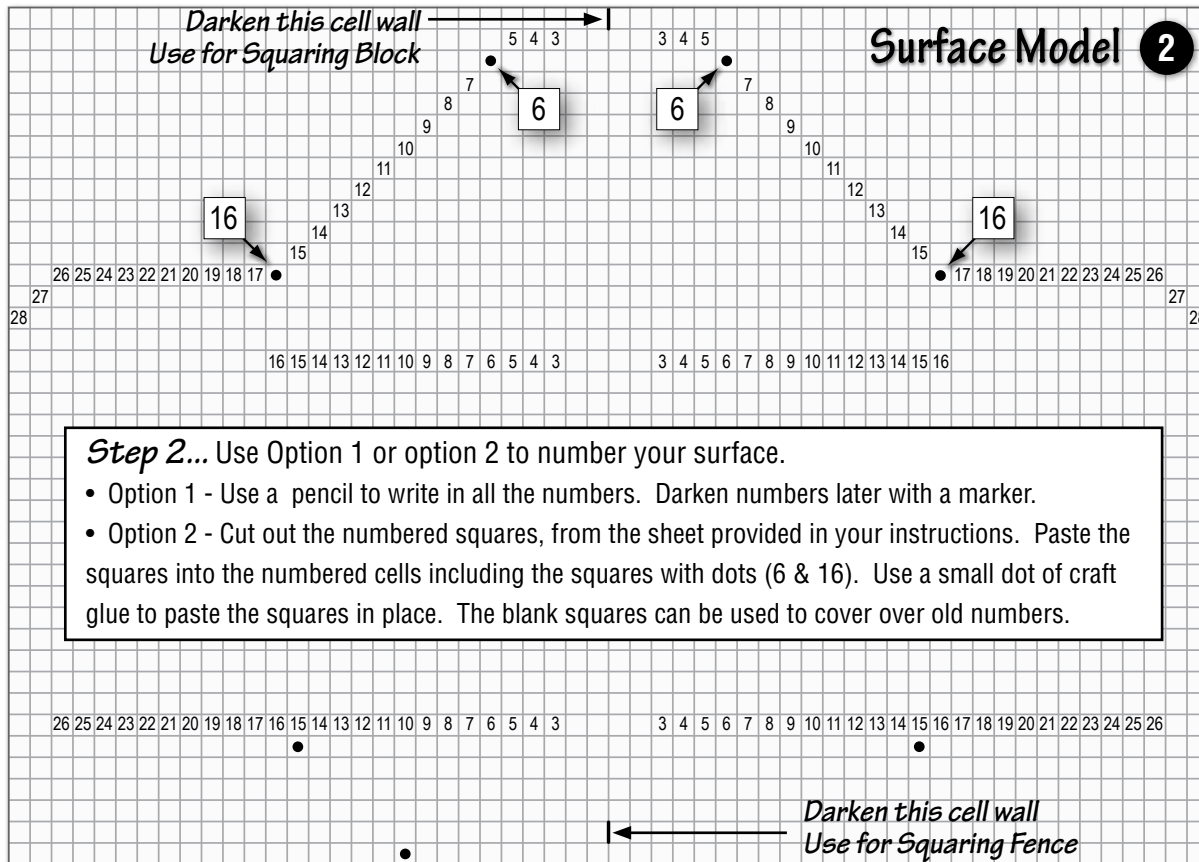
If you feel side movement

- Find the included copper foil tape.
- Cut a 1/2" to 3/4" strip of foil, remove the back and stick the tape to the cell by folding it over the cell wall.
- Test results with Squaring Block.



2 Preparing a one piece Maxi Surface for the PG01B

- If your surface has several black, red and green dots... go to *Step 1*.
- If your Surface has only 7 black dots... go to *Step 2*.



Step 2... Use Option 1 or option 2 to number your surface.

- Option 1 - Use a pencil to write in all the numbers. Darken numbers later with a marker.
- Option 2 - Cut out the numbered squares, from the sheet provided in your instructions. Paste the squares into the numbered cells including the squares with dots (6 & 16). Use a small dot of craft glue to paste the squares in place. The blank squares can be used to cover over old numbers.

Step 1... Removing extra dots & markings.

Things you will need:

- Nail Polish Remover
- Q-Tips
- Soft lead pencil with eraser.

A... Locate and mark the 7 black dotted squares shown in the diagram... place a small object in each dotted square to temporarily mark it.

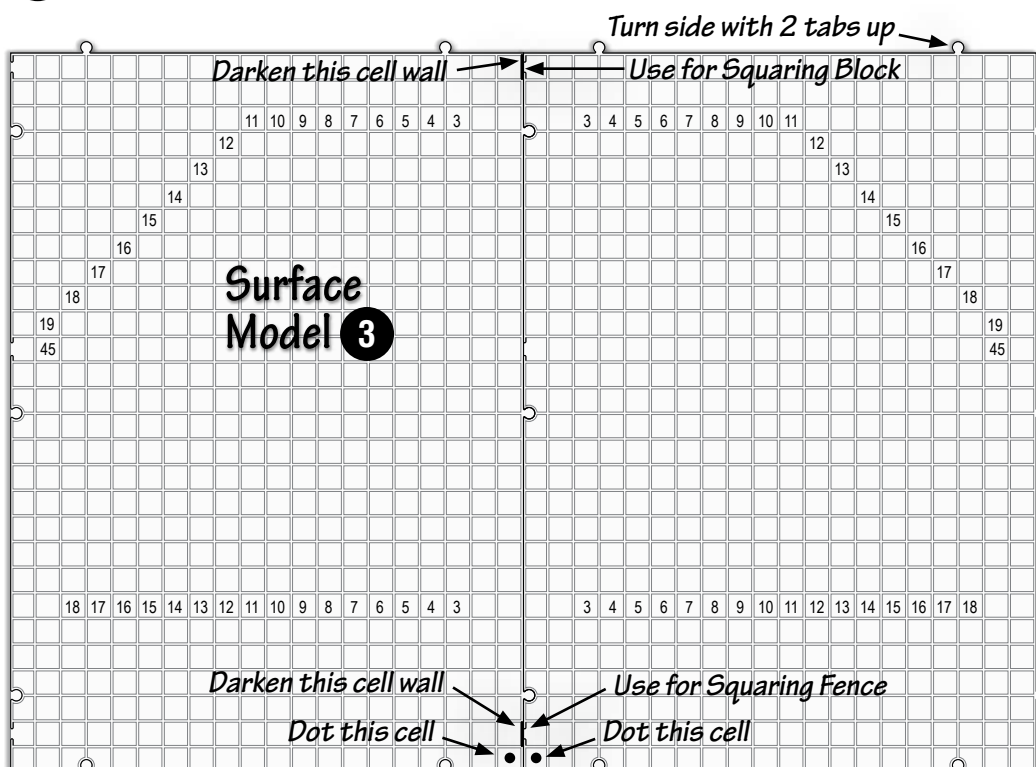
B... With nail polish remover in a small cup, wet the end of a Q-Tip and dab a small amount on a dot to be removed... with a clean dry Q-Tip, wipe out the dot. Using less remover and clean Q-Tips works best.

C... Any other numbers or marks must be removed before continuing to Step 2. Remove any pencil marks with a pencil eraser and permanent marks with the nail polish remover.

4 Preparing a four panel Maxi Surface for the PG01B

The Quick Start does not cover setting up the 4 panel Maxi. You will find information and downloads at mortonglass.com that will show you options for the 4 panel Maxi and a version for a 2 panel Mini and 4 panel Maxi combo.

3 Preparing a two panel Mini Surface Plus for the PG01B



Adding numbers & Marks to your Surface Model 3

- Darken the marked cell walls and add the two black dots with a black marker. The dots mark the left and right panels. Always keep them together.

Use Option 1 or option 2

- Option 1 - Use a pencil to write in all the numbers. Darken numbers later with a marker.
- Option 2 - Cut out the numbered squares, from the sheet provided in your instructions. Paste the squares into the numbered cells Use a small dot of craft glue to paste the squares in place. Use a small object to tamp the paper squares into the glue. The blank squares can be used to cover over old numbers.

Ruler options for the Fence Extension

• I am left handed and prefer the right handed setup, I would suggest that you start with “Inch Right Hand” or “Metric Right Hand”. You can always change.

• Read all of this page before adding a ruler to the Fence Extension. The ruler will be held to the body with double sided tape. After learning how to attach the ruler, follow your chosen diagram.

• The ruler and orange cutter gauge are used to calibrate the Fence Extension ruler to allow for the glass cutter. The long leg of the cutter gauge is to the right for right handed setups and to the left for left handed setups.

• The Fence Extension body has a beveled edge that should be turned down. Use masking tape to hold the body tight to the Squaring Fence.

• Arrange the PG01B in a standard 90° setup. Diagram ① page 1 in Quick Start - Section A will be helpful.

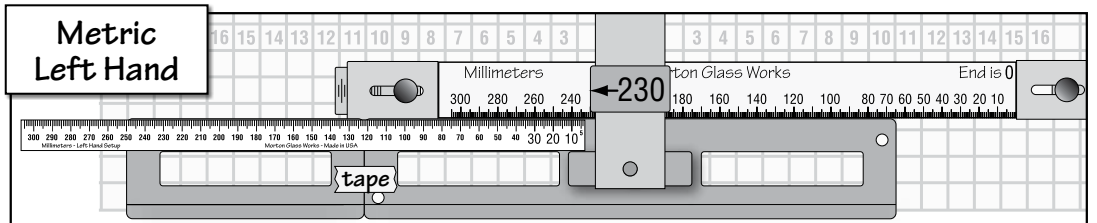
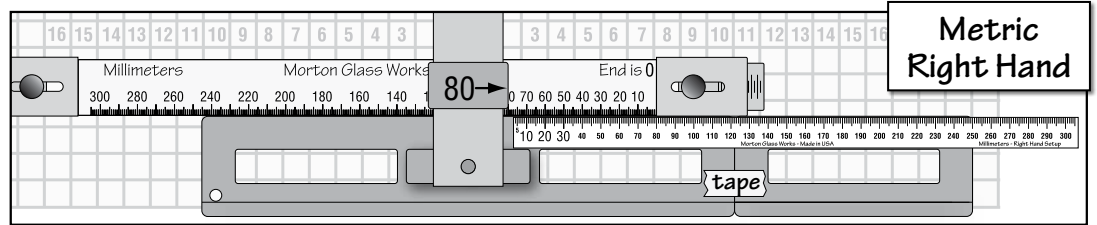
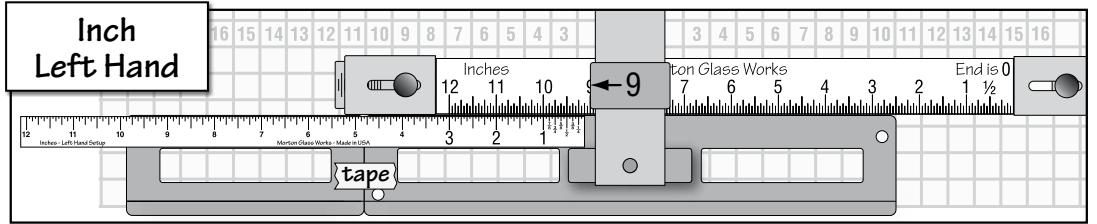
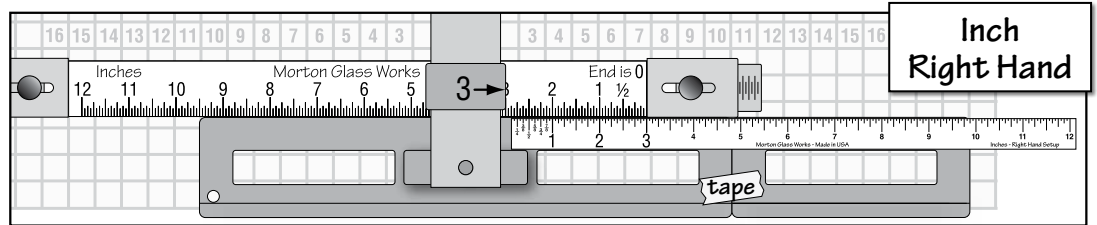
• Position the PG01B ruler as shown in Step 1. The ruler must be set on a full inch or numbered millimeter. Yellow glass stops are used to hold the ruler.

• Set the Fence Extension body tight to the Squaring Fence and secure it with a piece of masking tape as in Step 1.

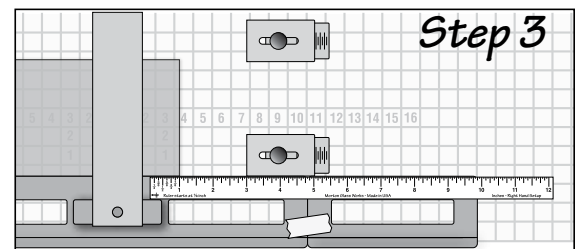
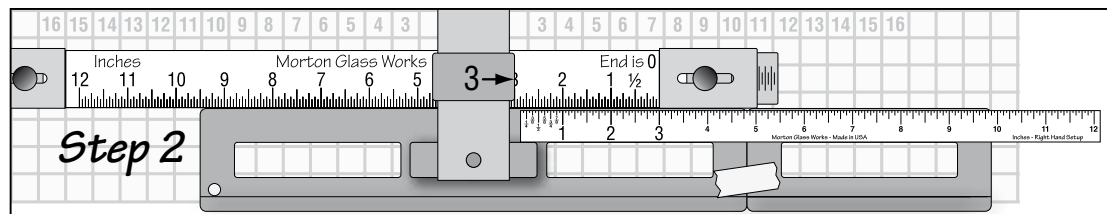
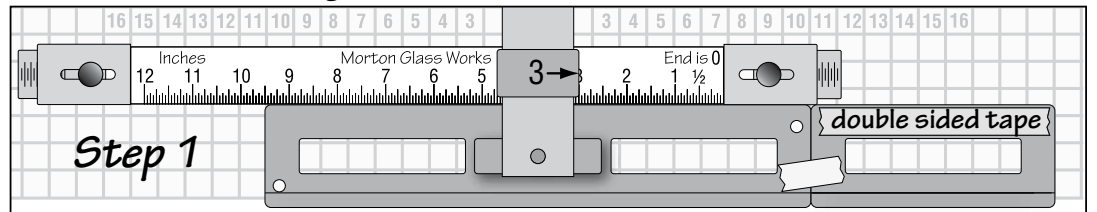
• Add double sided tape to the fence extension as shown in Step 1. I use clear ½ inch double sided scotch tape.

• In Step 2, to add the ruler, you will need to line up the ruler lines. If you are “Inch Right Hand” just follow Steps 1 & 2. For a different option follow one of the diagrams above for Steps 1 & 2. Hold the end of the ruler up from the tape as you match the ruler lines.

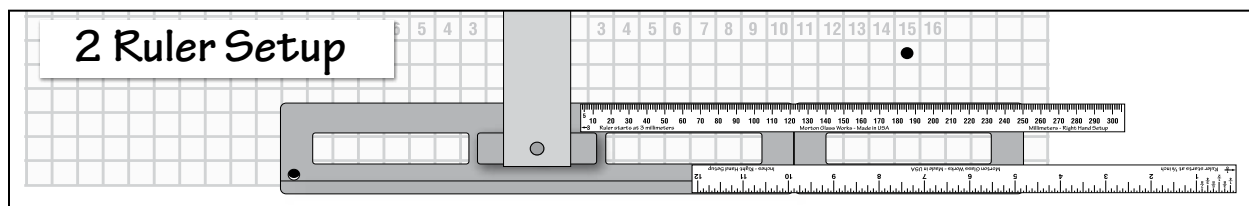
•**Tip:** If you have a helper, place wax paper over the tape. When you have the ruler where you want it, have the helper remove the wax paper.



Adding a ruler to the Fence Extension



• Step 3... The ruler is now ready to set Glass Stops or size your glass without using the regular ruler and cutter gauge. Once the ruler is attached the unit can be removed and replaced as needed. Always secure the unit with masking tape when you are using it.



• This double ruler setup will come in handy if you switch from inches to metric often.