

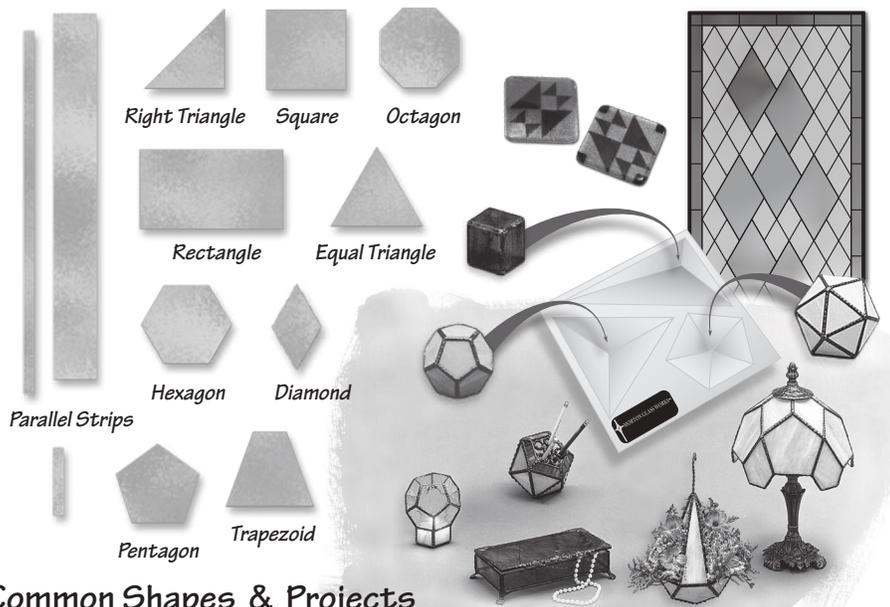
Quick Start - Section B

Adding numbers to your Morton surface is important. Pages 2 & 3 are excellent but advanced numbering help is available at mortonglass.com.

Please Note: A non-morton surface with panels that are 20 cells by 20 cells is not compatible with PG01B instructions. Contact us if this applies.

At mortonglass.com there are several videos that will help you understand the PG01B. Contact us if you need additional help.

There are 2 versions of the PG01B that differ only by the Cutting Bar length. This unit will have a 15.375" (390mm) or a 22" (558mm) Bar. Should you need the different length it can be purchased as a replacement part. **Contact us for replacements.**



Common Shapes & Projects
all made with the Portable Glass Shop

Cutting Bar PG01B Components

Foil Tape
To fix a thin cell wall on single panel surfaces

Cutter Slide
Training aide to help you learn scoring technique

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

Angle Copy
Copy pattern angles Set the bar angle

Shuttle Strip 2" by 8" white plastic
Use when cutting small glass shapes.

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

60° & 120° Fast Angles
Modify 60° Diamonds Into Equal Triangles & Hexagons

Angle Settings

Squaring Fence
Reverse for thick & thin glass

Fence Extension
Left & right metric & inch rulers

Please Read
Before February 2020 PG01B fixtures had black adjusting knobs. Knobs are now wing nuts but most PG01B instructions still show black knobs.

Using your glass cutter better

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.

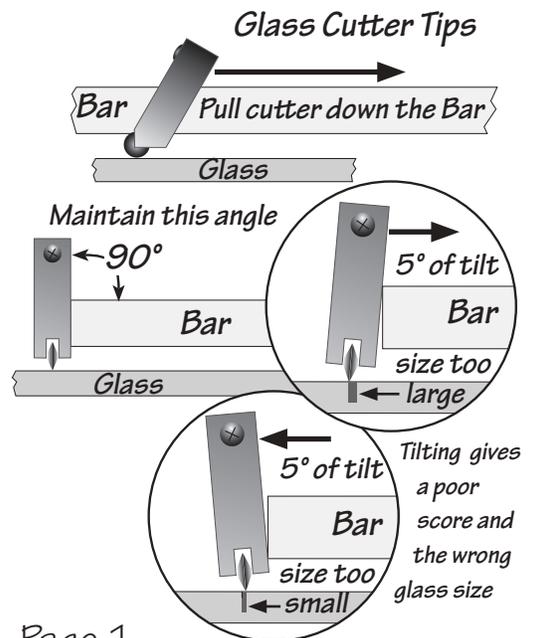
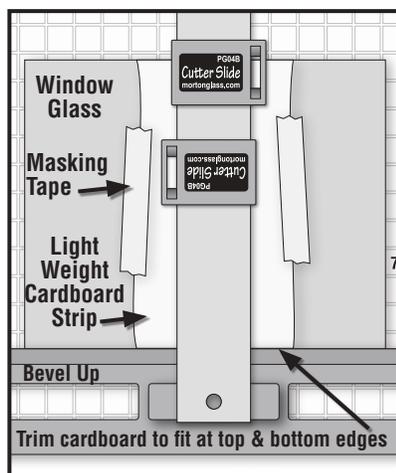
This diagram is showing a way to practice without glass. Poster board, or the side of a cereal box, taped to a piece of window glass will let you practice without wasting your valuable glass.

The Cutter Slide is sized for glass cutters that are 5 mm wide. The Toyo pattern

head is an example of a cutter head that will work well with your Cutter Slide & PG01B.

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.



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)

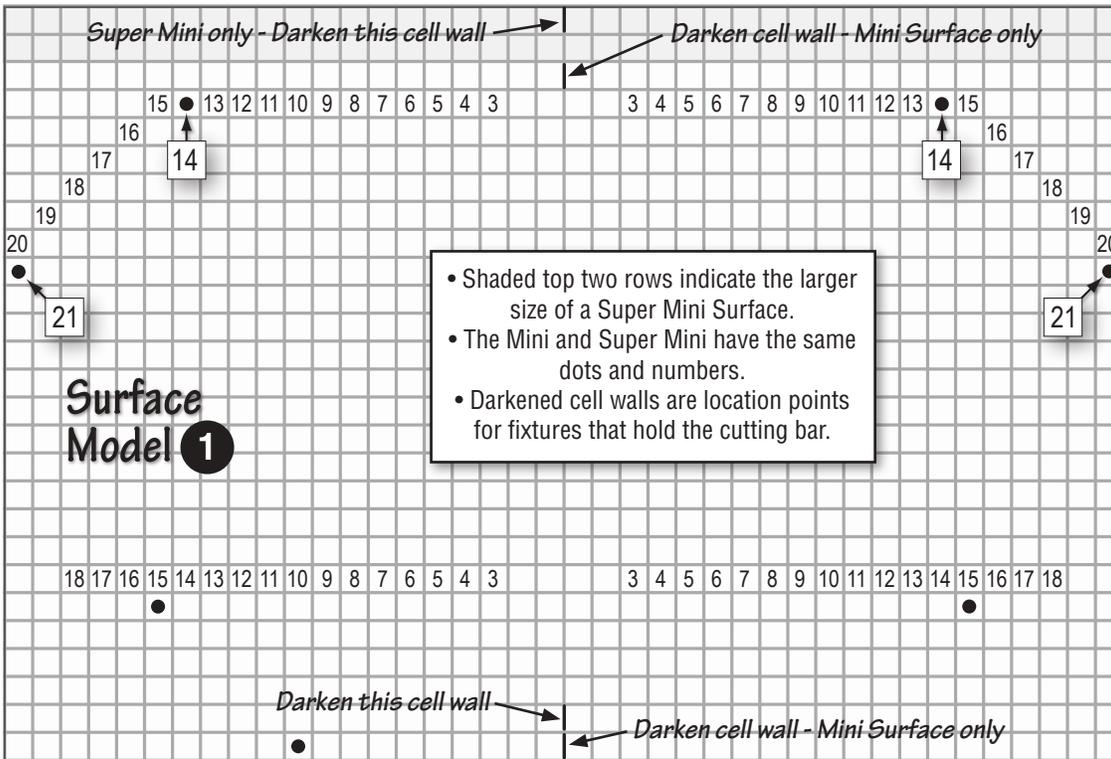
2 LS01 - Maxi Surface - 1980 - 2011
56 cells wide - 40 cells high
31.75 by 22.5 inches (80.5 by 57 cm)

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

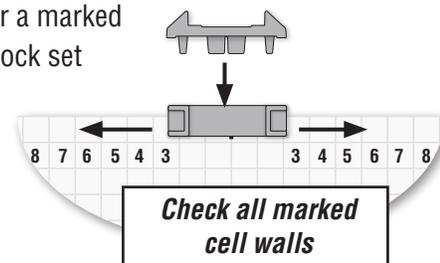
C... Any other numbers or marks must be removed before continuing to Step 2. Remove any pencil marks with a pencil eraser and permanent marks with the nail polish remover.

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.

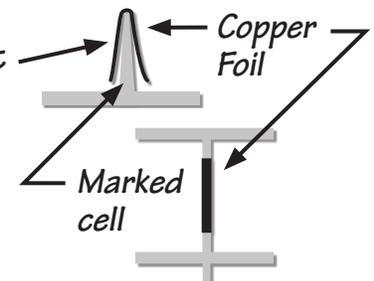
Step 3... Some Surfaces have a thin cell wall in an area where a Glass Shop fixture must be located. Thin cell walls, on your Surface, are easy to fix. To check your surface cell walls, use one of the orange plastic Squaring Blocks.

- 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*.

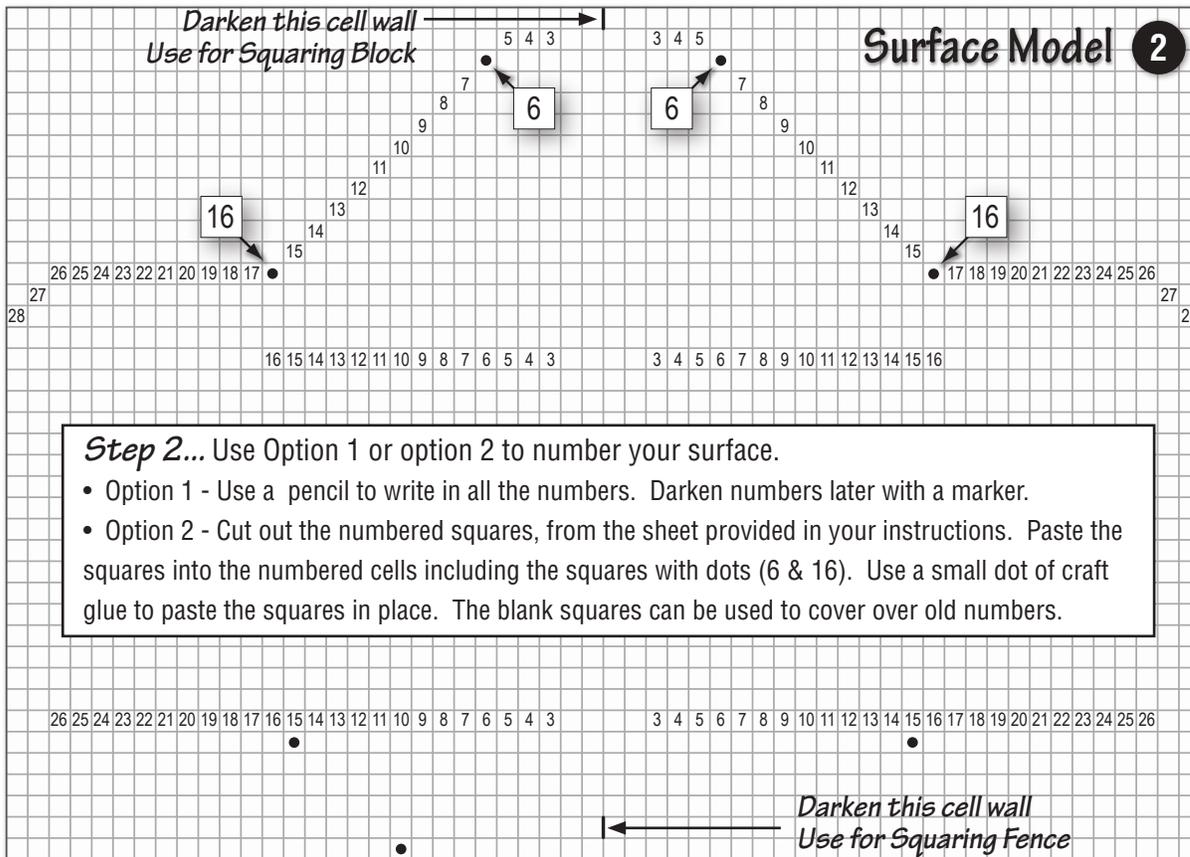
Step 1... Removing extra dots & markings.

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.

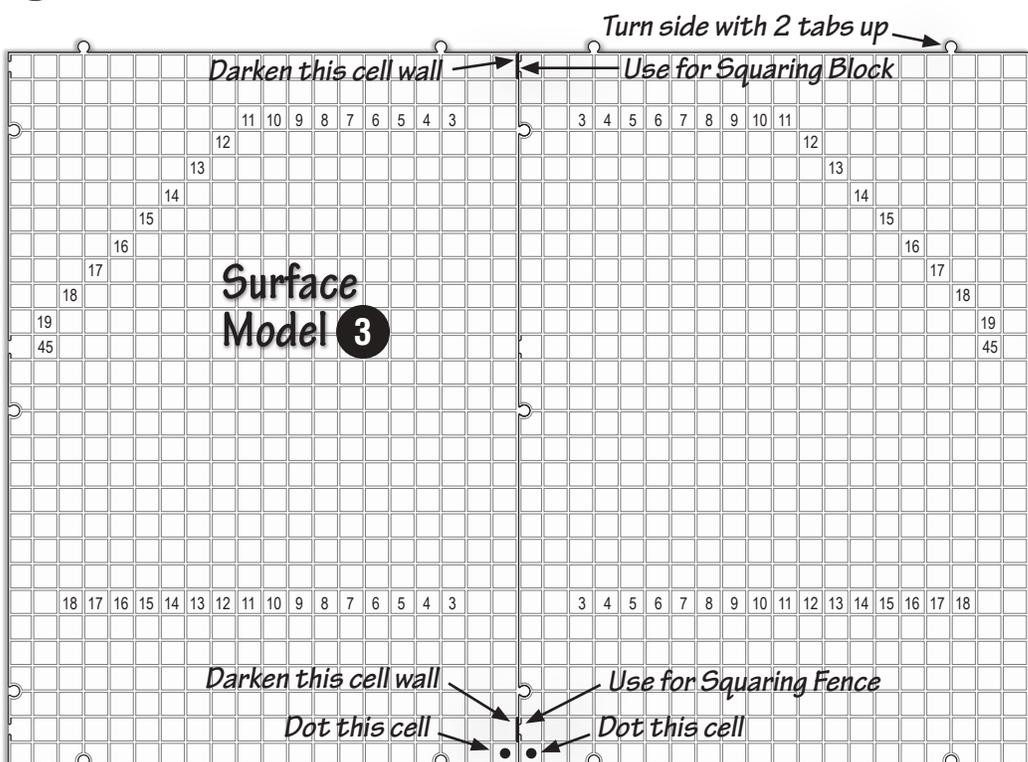
C... Any other numbers or marks must be removed before continuing to Step 2. Remove any pencil marks with a pencil eraser and permanent marks with the nail polish remover.



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.

Fence Extension - add ruler & calibrate for glass cutter allowance

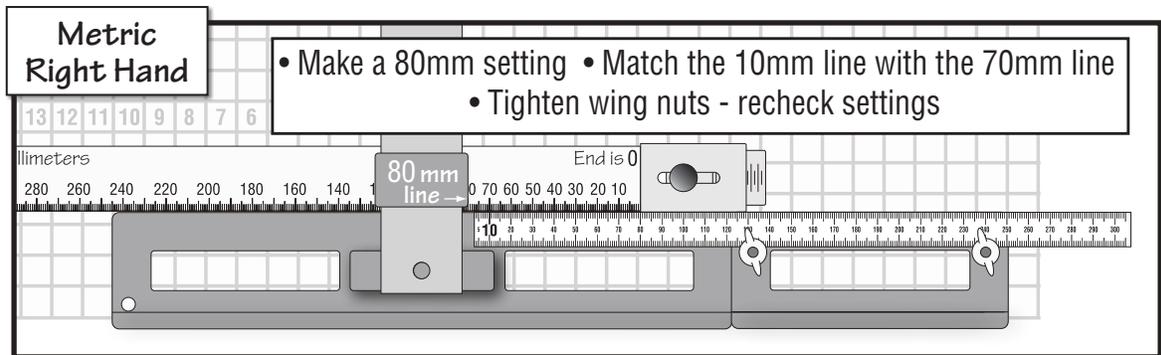
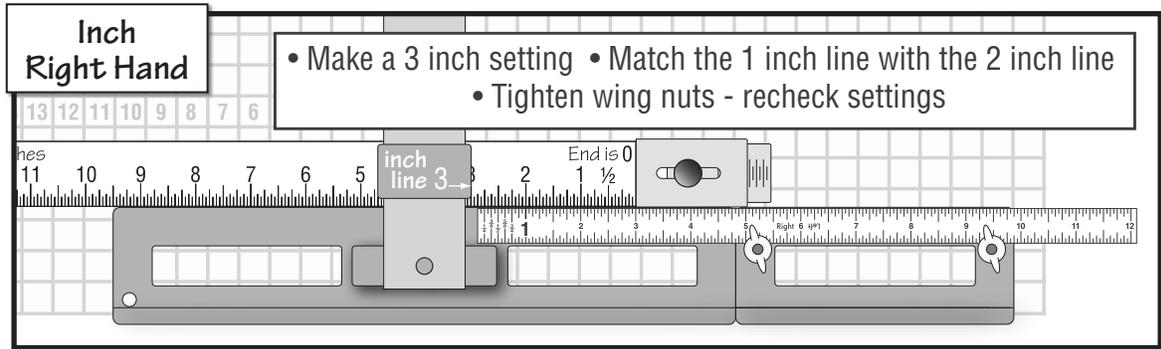


- Insert screws into holes and add the wing nuts.
- Fit the ruler to the body as shown and moderately tighten the wing nuts to hold the ruler in place.
- Most right and left handed users use the right hand setup and we suggest it as a starting point.

• To allow for the glass cutter you must calibrate as described in the options below. The process is very easy with practice.

Please note: If there is a paper layer on the back side of the ruler... remove it before using.

- 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.
- 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.
- 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. Use the yellow glass stops to hold the ruler in place.
- Set the Extension body tight to the Squaring Fence and fit the inch or millimeter Extension ruler under the wing nuts.
- Adjust the ruler as shown and moderately tighten the wing nuts to hold the ruler in place.
- The ruler is now ready to set Stops or size your glass without using the regular ruler and cutter gauge. Please remember that this method is only as accurate as your eye sight.

- **Suggestion:** Once you are sure of your setting you might try turning the body over and mark the ruler with a pencil. If the idea works you might mark the ruler with a more permanent marker. This will make switching from inch to metric fast and easy.

