



30°-60°-90° COMBINATION SQUARE

User Instructions

Thank you for buying this Inland product. The Inland 30°-60°-90° Combination Square is designed for use as a drafting tool, layout tool, right or left handed glass cutting square and grinder straight edge. You can use it during the designing process, while cutting, grinding, and checking a project for square before soldering or final assembly. Please take time to read all the instructions to fully take advantage of all this product's uses and applications.

As a Layout Tool

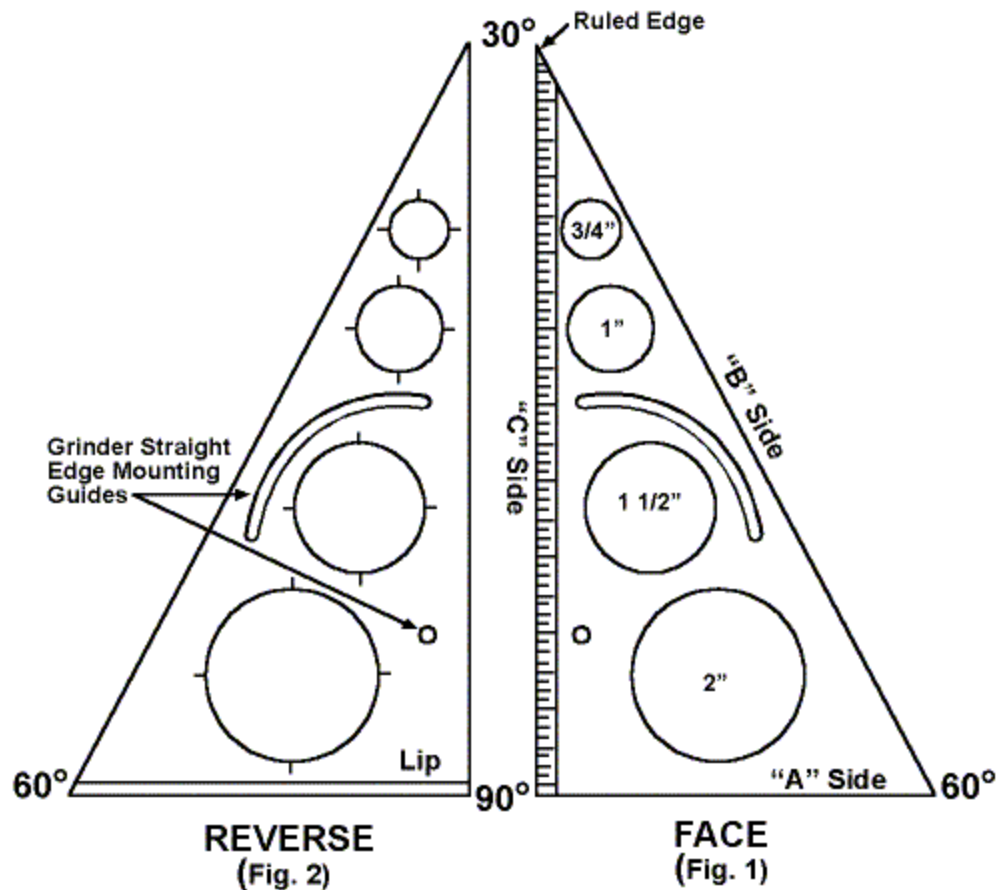
The 30°-60°-90° Combination Square is a natural for use during the design stages of most any project. Use the four holes to measure or draw accurate circles 3/4", 1", 1 1/2" and 2" in diameter. They are also marked in quarters for easy alignment (see Fig. 2).

As a Ruler

The "C" side is ruled in 1/8" increments with the zero point 1/8" from the "A" side. Use any of the sides as a straight edge guide. Use the entire tool as a triangle for layout, creating, or checking 30°, 60°, and 90° angles.

As a Glass Cutting Square

Right Handed: Place the lip of the square (see Fig. 2) down over the top edge of the glass making sure the entire length of the lip rests against the glass. Hold the square firmly in place and run the glass cutter along the ruled side "C".
Left Handed: Follow the directions above except place the lip of the square against the bottom edge of the glass.



As a Straight Edge Grinding Guide

Attach the guide to your grinder grid surface and use as a straight edge guide for evening out glass edges or making uniform width pieces. Place the 30°-60°-90° Tool with the "REVERSE" or lip side (Fig. 1) up and the "C" side opposite the bit. The distance this side is from the bit will be the size of the glass after grinding. Loosely attach to it to the surface using the two brass thumb screws: One screw goes into the mounting hole and the other goes into the curved slot. This will allow you to pivot the 30°-60°-90° Tool and adjust its position to the bit. Once you have the 30°-60°-90° Tool in position, tighten the thumb screws to lock it in position. Feed the glass pieces into the bit while maintaining contact with the "C" edge of the 30°-60°-90° Tool. Please keep in mind that when used as a grinding guide, you may encounter uneven wear along the "C" side of the tool.

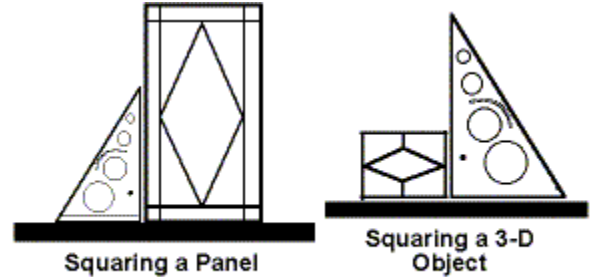


As a Traditional Square

Use to mark right angle cutting lines for 2x4's, moldings, wood, plastics, metal, border came. Place the lipped edge against the material to mark or draw a cutting line. You can also draw 30° or 60° lines in a similar manner.

You can also use it to check the square of two and three dimensional projects. For two dimensional projects place the 30°-60°-90° Tool and the project against common edge (see FIG. A).

Slide the 30°-60°-90° Tool toward the project edge you want to check. If the two edges meet without a gap, that edge of the project is 90° or square. For 3-D projects (see FIG. B) place the 30°-60°-90° Tool and the project side you wish to check on a flat surface such as a table top. Move the item toward the "C" side of the square. If the edge of the project and the square match without a gap, the side you checked is 90° or square to the side resting on the table.



Squaring a Panel

FIG. A

Squaring a 3-D Object

FIG. B

Service

If you have any questions or comments regarding the use of this or any Inland product please call Inland Customer Service at 1-800-521-8428 9 AM to 5 PM EST, email us at helpdesk@inlandcraft.com, or write us at:

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