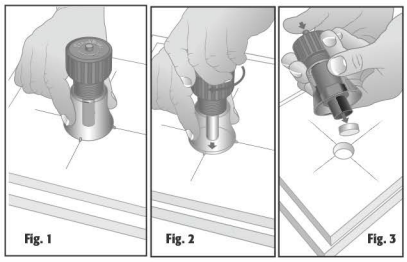
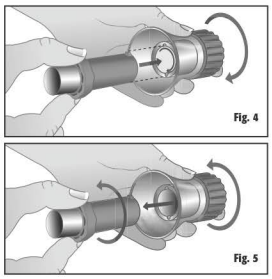
CUTTING AND SHAPING KIT

XT8011 HOLE DRILL

Drill perfect holes in suitable cosplay material using one of three interchangeable quick-change drill tips included. Choose 1/4",1/2",3/4" (7mm, 12.7mm, 19mm diameters).The Hole Drills work with 3/16" (5mm) suitable material.

* Use underlaymat (such as foamboard) when cutting.

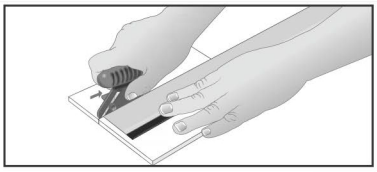


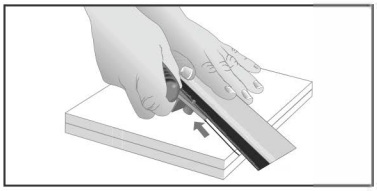


XTC6010 STRAIGHT/BEVEL CUTTER

Economy and versatility combine in the Cos-Tools Straight/Bevel Cutter. Simply rotate the angled base block and Model XTC-6010 transforms from a straight cutter to a bevel cutter. Features include adjustable blade depth, ergonomic handle and on-board blade storage. The Straight/Bevel Cutter works with 3/16" (5mm) suitable material. Use replacement blades WC-5 or WC-20.

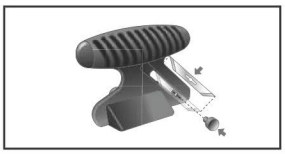
* Use underlaymat (such as foamboard) when cutting.

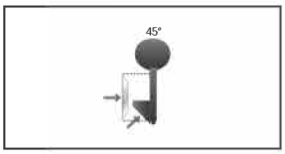


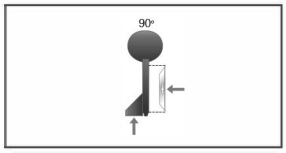


C

Use blade:
WC-5,
WC-20

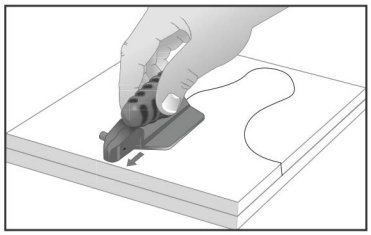






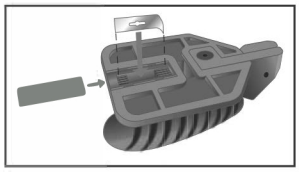
XTB6020 FREESTYLE CUTTER

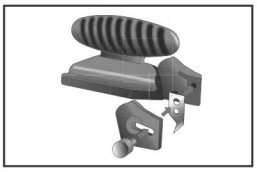
Cut free form shapes with this innovative push-style cutter. Easy to use, just insert the blade into the material and push to follow the desired shape. Features ergonomic handle, on-board blade storage compartment, blade safety shield and two blades. The Freestyle Cutter works with 3/ 16" (5mm) suitable material. Use replacement blades WB-5 or WB-20. * Use underlaymat (such as foamboard) when cutting.

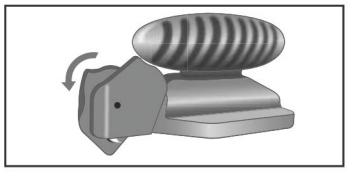


B

Use blade:
WB-5,
WB-20

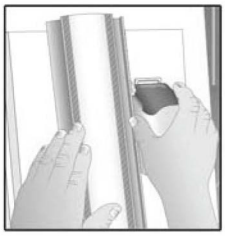


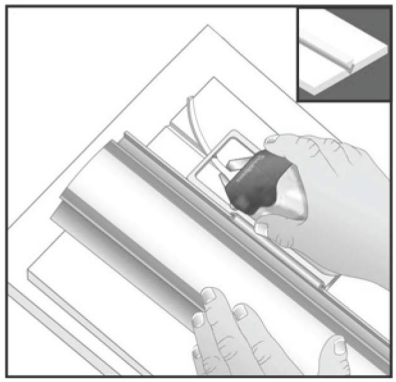


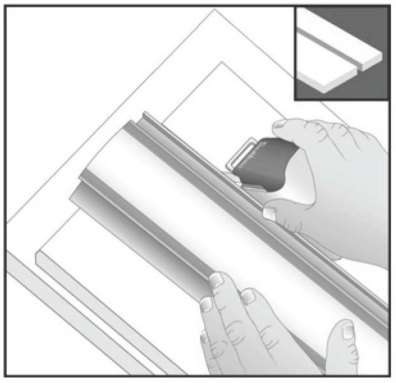


XT3001 CHANNEL RAIL

The channel rail is used in combination with the Cos-tools Straight/Bevel Cutter and V-Groove Cutter. Simply attach one of the cutters to the Channel Rail, for straight clean cuts. Features include a straight edge to guide your cuts, and a ruler to measure them. The Channel Rail works with both XTC-6001 Straight Cutter, and XTC-2001 V-Groove Cutter.







COS-TOOLS

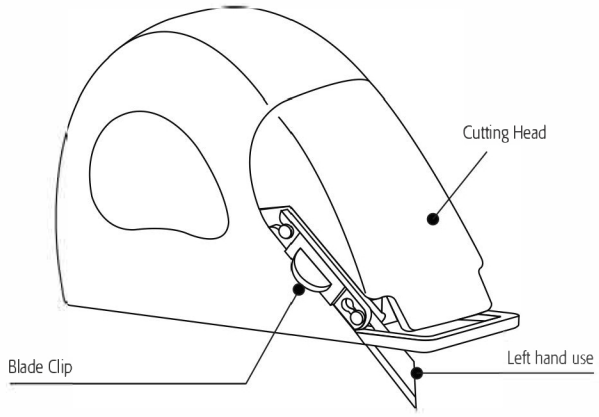
INSTRUCTIONS

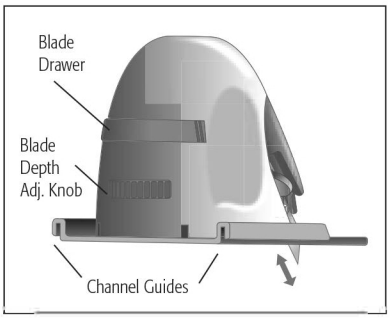
CAUTION: BLADES EXTREMELY SHARP

Use replacement blades WC-5 and WC-20

Straight Cutter

MODEL XTC-6010





Blade Storage Drawer - Located on the rear of the tool, used to store extra blades

Channel Guide - Clips onto Channel Rail (XT-3001) to create accurate, straight cuts

Blade Clip - Used to hold blade in place

Cutting Head - Flexible head that holds blade and is depressed to make cut

Blade Depth Adjustment Knob - Raises and lowers blade, which varies the total depth of the cut.

OPERATING INSTRUCTIONS

Blade Installation

1 Determine left or right hand use. Blade on right side is for left handed use. Blade on left side is for right handed use.

2 Remove yellow Blade Clip by pushing the clip forward.

3 Place the blade in the blade depression, matching the blade tip with the angle in the indentation.

4 Replace the Blade Clip, taking care to position the open end of the clip to the top. Slide upwards until clip snaps into place (**Fig. 1**)

NOTE: Spare blades can be stored in the Blade Storage Drawer, located on the back side of the Cutter. To open, squeeze the Blade Storage Drawer equally from left and right with fingers placed on the drawer ridges (**Fig. 2**).

Cutting

NOTE: Always protect tabletop with a scrap piece of foamboard underneath the material being cut.

1 SAFETY NOTE: Keep fingers clear of the blade area.

2 Using the XT-3001 Channel Rail (sold separately, or use the Logan Adapt-A-Rule or Team System), lightly mark the board to indicate where to cut.

3 Position the Channel Rail on the material on the cut line. Hook the Channel Guide onto the rail.

4 With the blade positioned off the top edge of the material, push the Cutting Head downward. With Cutting Head fully depressed, pull the Cutter backwards along the Channel Rail and continue along the length of the material (**Fig. 3**).

Blade Depth Setting

1 The blade can be raised or lowered by turning the Blade Adjustment Knob found on the back side of the Cutter (**Fig. 4**).

2 On bottom of cutter, the Blade Depth Position Scale provides a rough guide to the blade depth position (**Fig. 5**).

3 Sizes up to 1/2" (13mm) suitable material.

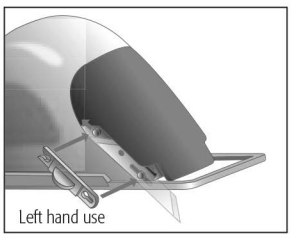


Fig. 1

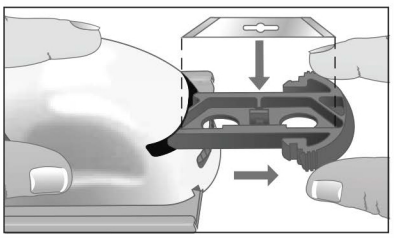


Fig. 2

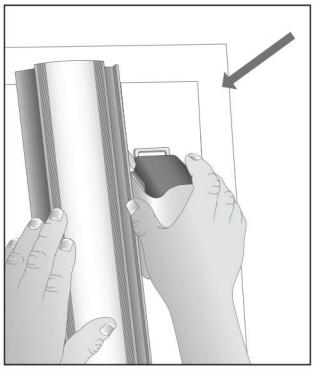


Fig. 3

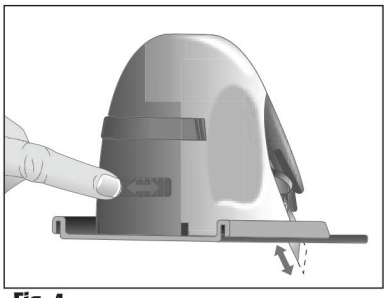


Fig. 4

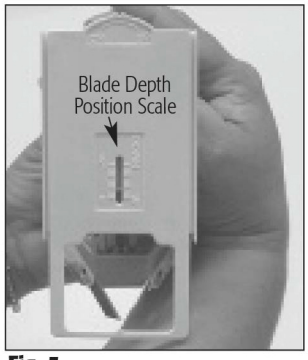


Fig. 5

* Use underlaymat (such as foamboard) when cutting.

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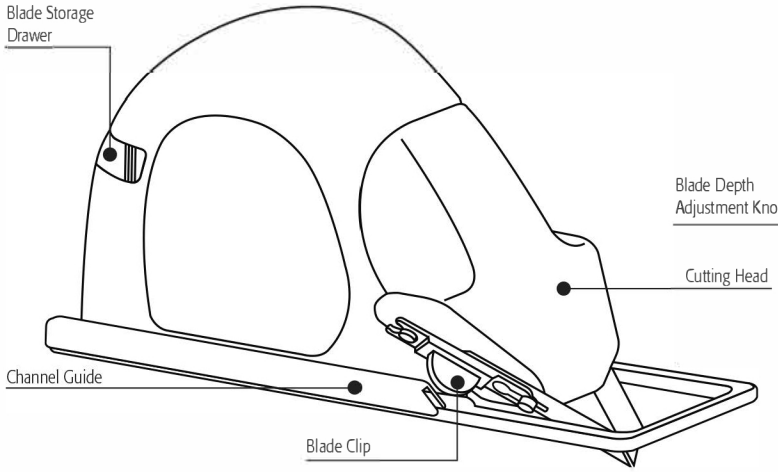
COS-TOOLS

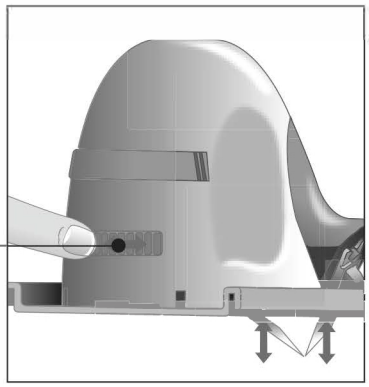
INSTRUCTIONS

V-Groove Cutter

MODEL XTC-2001

CAUTION: BLADES EXTREMELY SHARP
Use replacement blades #WC-5 or WC-20





Blade Storage Drawer - Located on the rear of the tool, used to store extra blades

Channel Guide - Clips onto Channel Rail (XT-3001) to create accurate, straight cuts

Blade Clip - Used to hold blade in place

Cutting Head - Flexible head that holds blades and is depressed to make V-Groove cut

Blade Depth Adjustment Knob - Raises and lowers blades, which varies the total width of the resulting V-groove cut

OPERATING INSTRUCTIONS

Blade Installation

1 Remove the yellow Blade Clip by pushing the clip forward.

2 Place the blade in the blade depression, matching the blade tip with the angle in the indentation.

3 Replace the Blade Clip, taking care to position the open end of the clip to the top. Slide upwards until clip snaps into place (**Fig. 1**).

4 Repeat for blade on opposite side.

NOTE: Spare blades can be stored in the Blade Storage Drawer, located on the back side of the V-Groove Cutter. To open, squeeze the Blade Storage Drawer equally from left and right with fingers placed on the drawer ridges.

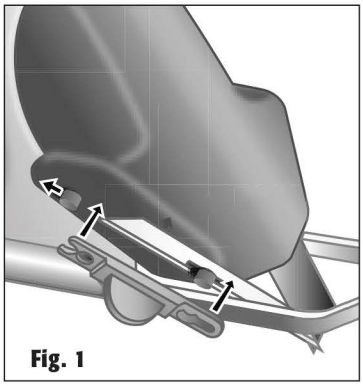


Fig. 1

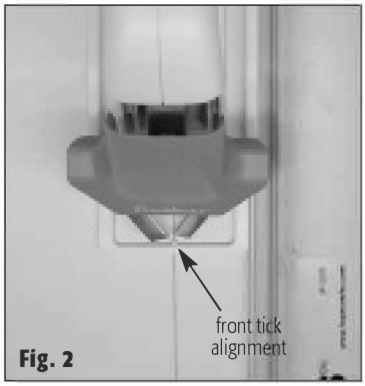


Fig. 2

Cutting

NOTE: Always protect tabletop with a scrap piece of foamboard underneath the material being cut.

1 SAFETY NOTE: Keep fingers clear of the blade area.

2 Using the XT-3001 Channel Rail (sold separately, or use the Logan Adapt-A-Rule or Team System), lightly mark the board to indicate the center of the desired V-groove.

3 Position the Channel Rail on the material. Hook the Channel Guide onto the rail. Align the front and back tick marks to the previously marked line (**Fig. 2 & Fig. 3**).

4 With the blades positioned off the top edge of the foamboard, push the Cutting Head downward. With Cutting Head fully depressed, pull the V-Groove Cutter backwards along the Channel Rail and continue along the length of the foamboard (**Fig. 4**).

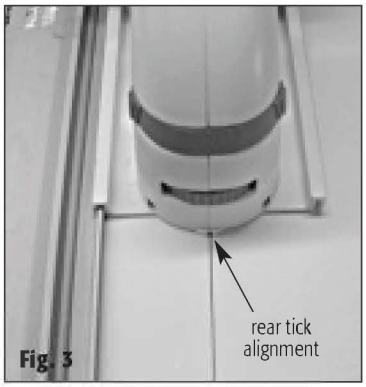


Fig. 3

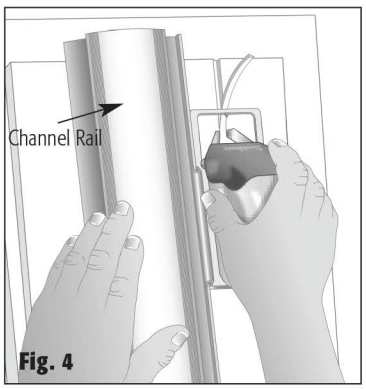


Fig. 4

Blade Depth Setting

1 The blades can be raised or lowered in unison by turning the Blade Adjustment Knob found on the back side of the V-Groove Cutter (**Fig. 5**).

2 Turn the Blade Adjustment Knob to the right to raise the blades, or to the left to lower the blades. Look at the bottom of the V-Groove Cutter, follow the directional arrows. The Blade Depth Position Scale provides a rough guide to the blade depth position (**Fig. 6**).

NOTE: Test the blade height by doing a test cut on a scrap piece of material prior to your final cut.

TIP: At some settings, the V-Groove Cutter may cut completely through the material. If this is NOT the effect you desire, be sure to do a test cut prior to your final cut. Note that the V-Groove Cutter cannot cut completely through 1/2" material (13mm).

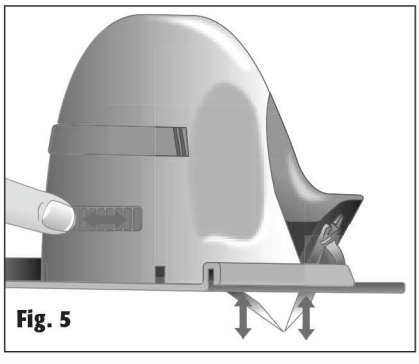
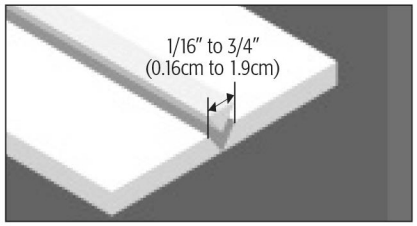


Fig. 5

Fig. 6



Cuts V-Grooves into suitable material with resulting V-grooves 1/16" to 3/4" wide (1.6mm to 19mm).

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COS-TOOLS

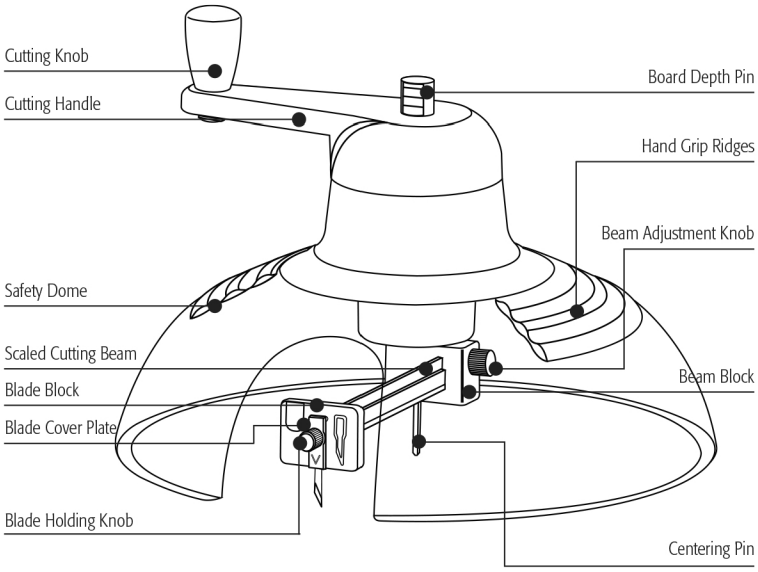
INSTRUCTIONS

Circle Cutter

CAUTION: BLADES EXTREMELY SHARP

Use replacement blades #WA-5 or WA-20

MODEL XTA-8001



Cutting Knob - Knob attached to the Cutting Handle, used to turn the Scaled Cutting Beam and Blade

Cutting Handle - Turns the Scaled Cutting Beam and Blade

Safety Dome - Clear acrylic dome with Hand Grip Ridges that protects the user from sharp blade while allowing clear viewing of blade progression

Scaled Cutting Beam - Adjustable, scaled beam that is set for desired circle diameter cut, also holds blade assembly

Blade Block - Holds blade in place

Blade Cover Plate - Placed between the Blade Holding Knob and the cutting blade, the Blade Cover Plate holds the blade firmly against the Blade Block

Board Depth Pin - Pin lowers inside center of cutting mechanism as blade lowers, shows how deeply the blade has progressed through the cut

Hand Grip Ridges - Ridges on Safety Dome to firmly hold Circle Cutter while in use

Beam Adjustment Knob - Knob to hold Scaled Cutting Beam in place, loosen knob to slide beam and set circle diameter

Beam Block - Holds Scaled Cutting Beam, scale is read to the left of the block

Centering Pin - Pin marking center of resulting circle cut, does not damage material surface

OPERATING INSTRUCTIONS

Blade Installation

1 Loosen Beam Adjustment Knob and remove the Scaled Cutting Beam. OR center the Blade Block in the opening of the Safety Dome for easy access.

2 Remove the Blade Holding Knob and Blade Cover Plate. Position the new blade in the blade channel, being careful to match the blade's position to the blade icon shown on the Blade Block. NOTE: a magnet in the blade channel will help to position the blade.

3 Replace the Blade Cover Plate with arrow pointing down, and reattach the Blade Holding Knob (**Fig. 1**). If you removed the Scaled Cutting Beam, replace it now.

Cutting

NOTE: Always protect tabletop with a scrap piece of foamboard underneath the material being cut.

1 Loosen the Beam Adjustment Knob and set the Scaled Cutting Beam to the desired circle diameter. Read the scale to the left of the Beam Block. Tighten the Beam Adjustment Knob (**Fig. 2**).

2 Make sure the blade is in the highest position by turning the Cutting Knob on the Cutting Handle counterclockwise.

3 Position the centering pin on the desired location. Grip the Circle Cutter with one hand on the Hand Grip Ridges, the other hand on the Cutting Knob. Turn the Cutting Handle clockwise in a continuous motion (**Fig. 3**). The Board Depth Pin will lower the same depth as the blade progressing through the material. You will feel additional resistance as the blade reaches the scrap foamboard under your work. Your circle cut is now complete.

4 Before setting down the cutter, stand the Circle Cutter on its side. With one hand on the Hand Grip Ridges, turn the cutting knob in a counterclockwise position until the blade returns to the highest position (**Fig. 4**).

SAFETY NOTE: Keep fingers clear of the blade area, especially when the Scaled Cutting Beam is in motion.

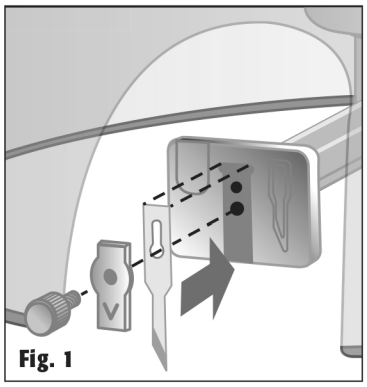


Fig. 1

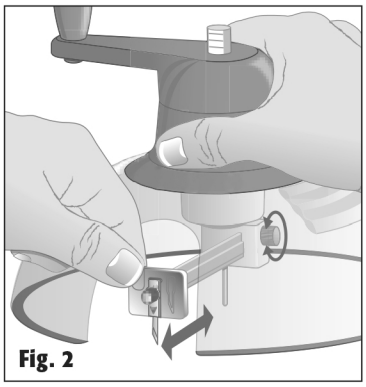


Fig. 2

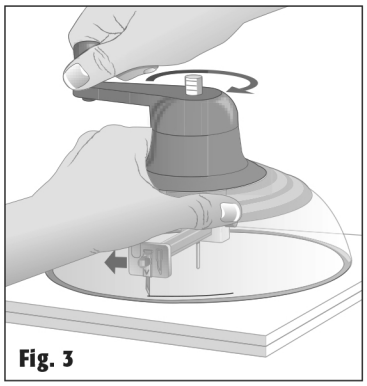


Fig. 3

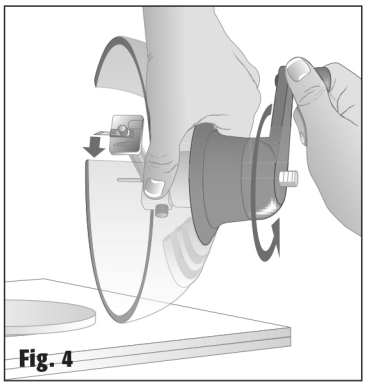


Fig. 4

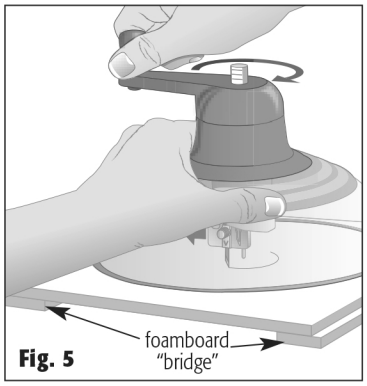
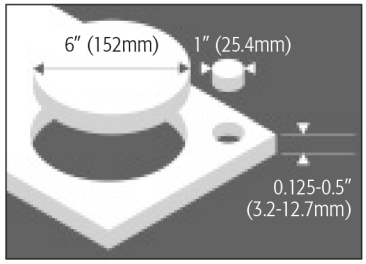


Fig. 5



Cuts material from 1"to 6" diameters (25.44 to 152mm), and depths from 1/8" to 1/2" (3.2 to 12.7mm).

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