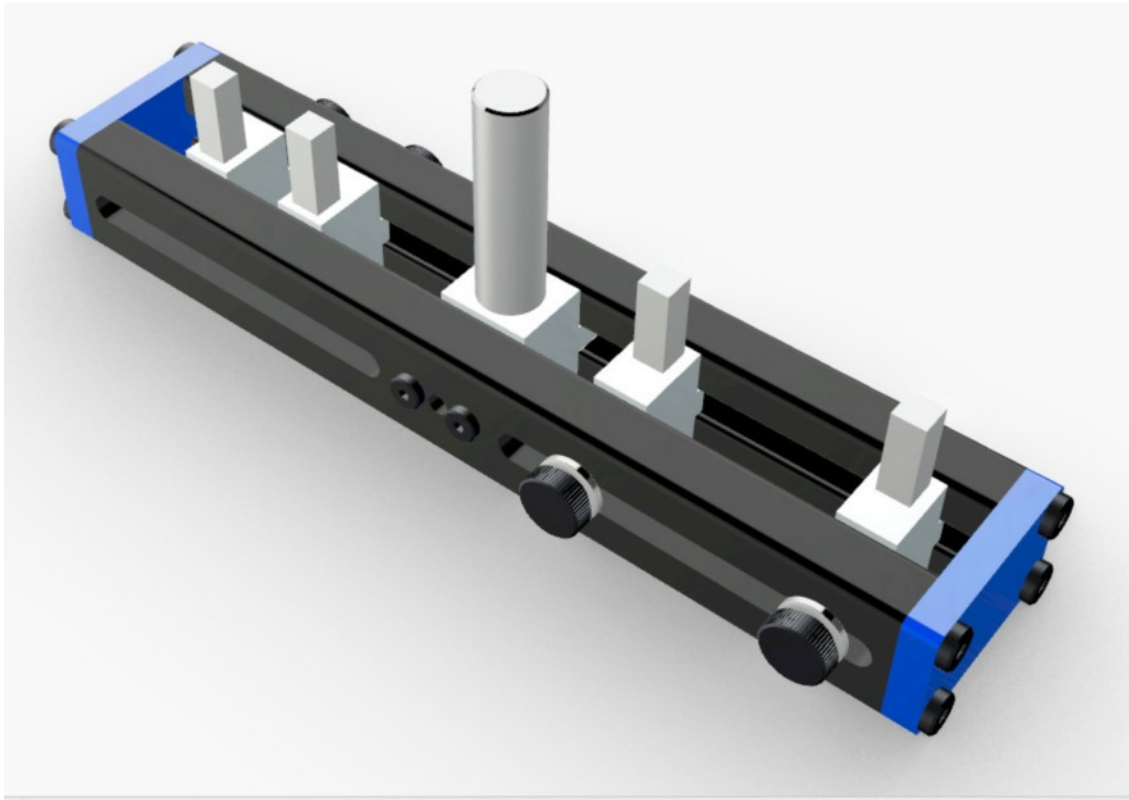


# ROSETTE CUTTER INSTRUCTIONS



# ROSETTE CUTTER INSTRUCTIONS

This tool is designed to fit on a Drill Press that has a 1/2 inch chuck and variable speeds. These instructions are to provide you with a safe and proper way to set up and adjust this tool. Because the Rosette Cutter has moving parts, it is important to maintain and clean the tool properly. This tool is completely adjustable to provide you with all your rosette diameter requirements and can be set up to cut 1, 2, 3 or 4 grooves at a time. It is recommended to keep the Drill Press speed at slow speeds for a perfect cut.

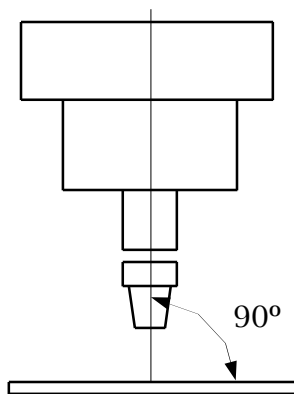
## S A F E T Y

1. **ALWAYS** wear safety glasses or a face shield.
2. **DO NOT** wear loose clothing, gloves, neckties, or jewelry. Wear protective cover on hair and prevent contact with moving tool. These items can get caught in tool during operation and pull operator into moving part.
3. **KEEP** children away.
4. **KEEP** visitors at a safe distance.
5. **WEAR** a dust mask all times.
6. **ALWAYS** turn off motor before making any adjustments.
7. **NEVER** leave running tool unattended.
8. **ALWAYS** make sure all screws are tight and any hardware is removed from or near tool before starting.
9. **SECURE** all work pieces before starting.
10. **ALWAYS** keep knife edges sharp.
11. **ALWAYS** keep work area clean.
12. **DO NOT** operate tool if under the influence of drugs or alcohol.

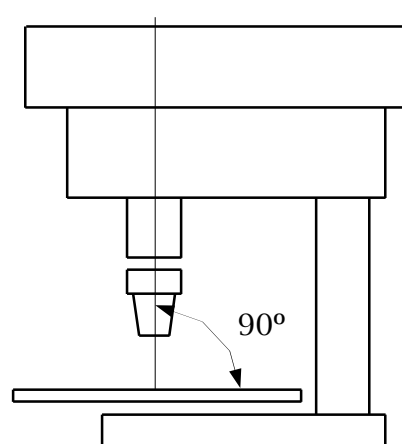
## S E T U P

*(It is assumed that the Drill Press is set up in the following manner).*

Drill Press front view.



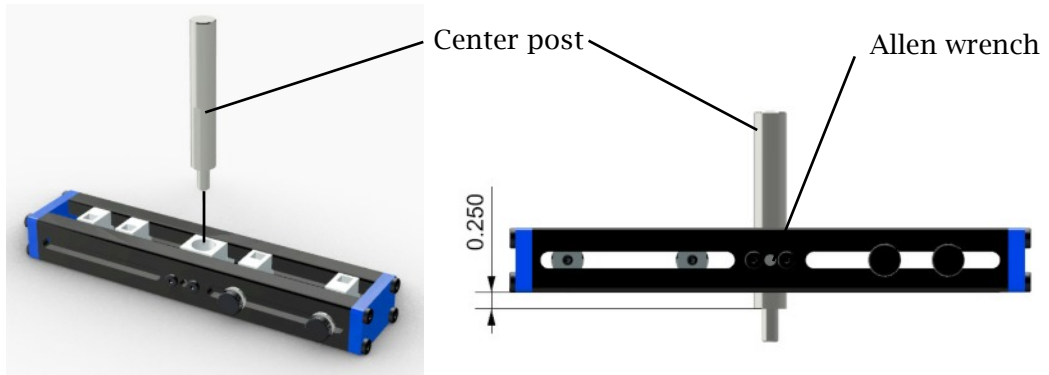
Drill Press side view



We recommend that you mount a 3/4 plywood board on the table of your drill press and drill a 1/4 hole through the plywood, this so that the center post will have a place to go when cutting out the rosette.

## SET UP ( Continued )

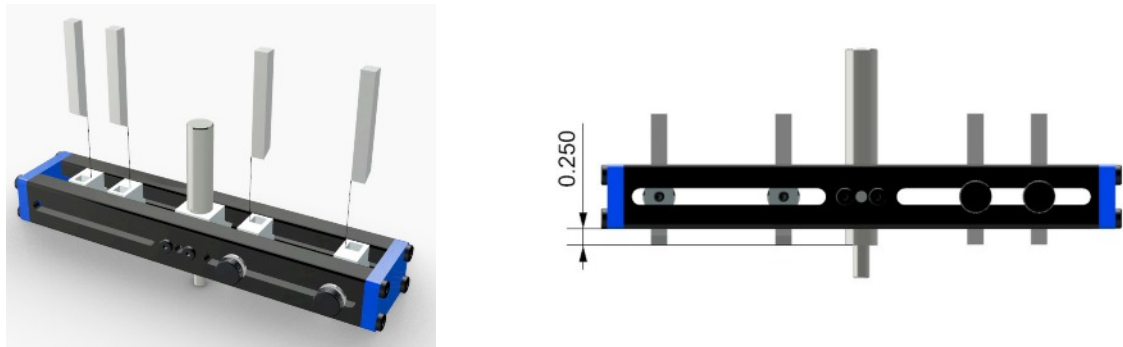
### Mounting Center Post



Place Center post into top side of tool, make sure that the flat is toward set screw. Let the bottom of post stick out approx. 0.25 inches as shown. Then using a 3/32 Allen wrench tighten set screw.

Bevel

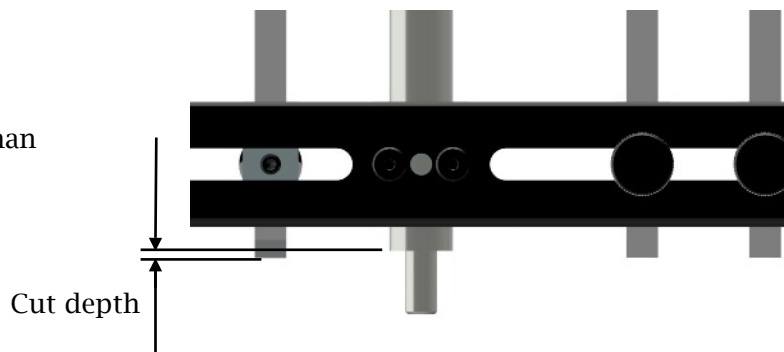
### Mounting Cutting Knives



Place the Knife into the carriage, make sure the bevel of the knife is facing the direction of the cutting rotation then tightening set screw. Again use the 3/32 Allen wrench to tighten set screw. Also make sure that knife is seated square in the carriage. The knife should stick out of the bottom approx. 1/4 of an inch. If knife is a bit tight lightly grind the knife edges for fit.

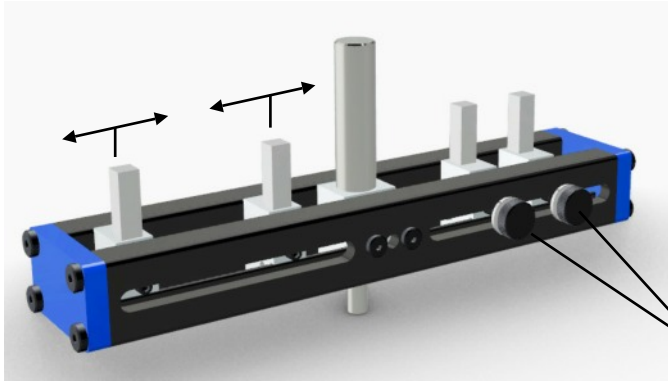
### Height Adjustment

It is important that all the knives are at the same height, then the next step is to adjust the Center post step to the cut depth higher than the knives. This is so that the post step will bottom out on the top giving you a precise groove depth.



## SET UP ( Continued )

### Horizontal Adjustment

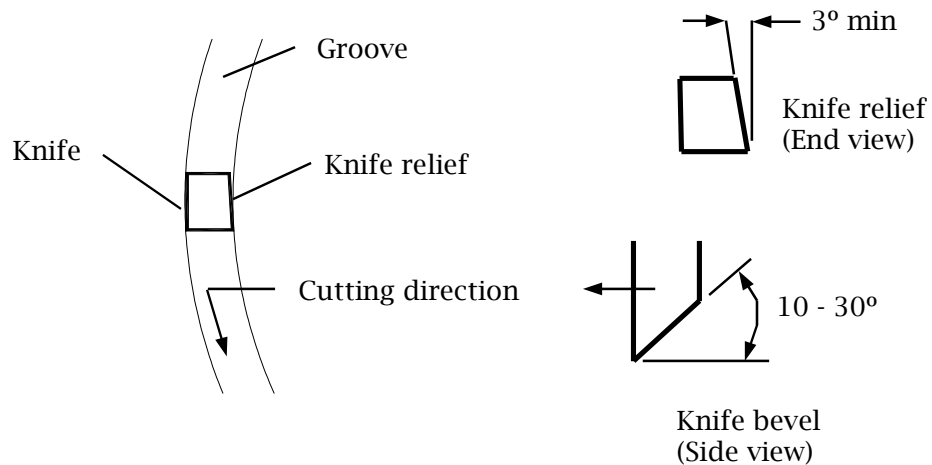


There are two knurled knobs on each side of the tool that control the horizontal movement of the knife carriage. Each carriage can be locked in place without effecting the other carriage.

Knurled knobs

### The Knife

When grinding your knife to the desired width, it is important to note the angles required for cutting. A  $3^\circ$  min relief is adequate on the inner edge. It is not recommended to exceed  $30^\circ$  angle on the bevel side, if the angle is greater it will dull the



## O P E R A T I O N

Mount a piece of plywood board on the Drill Press table, make sure that it is big enough to accommodate a guitar top, then drill a 1/4 inch hole in the plywood board for the rosette cutter post.

Drill a 1/4 inch hole in the center of the rosette on your guitar top, place the top on the plywood board, line it up with the Rosette cutter post and clamp securely. **DO NOT FREE HAND DRILL THE TOP.**

### CAUTION

**Keep hands, loose clothing, hair, jewelry, etc. away from the Rosette cutter while it is in operation.**

Set the Drill Press to the lowest speed, *DO NOT CUT AT HIGH SPEED*. Turn on the Drill Press and slowly move the Rosette Cutter to the guitar top, with a slow steady pressure cut the rosette channels, Do not try to cut too fast.

## M A I N T E N A N C E

Always blow out tool after use, it is important to keep the dust to a minimum inside the tool. Always check every thumb screw to make sure they are secure. Do not use any kind of lubricate on the tool, lubricate may drip and get on the wood.