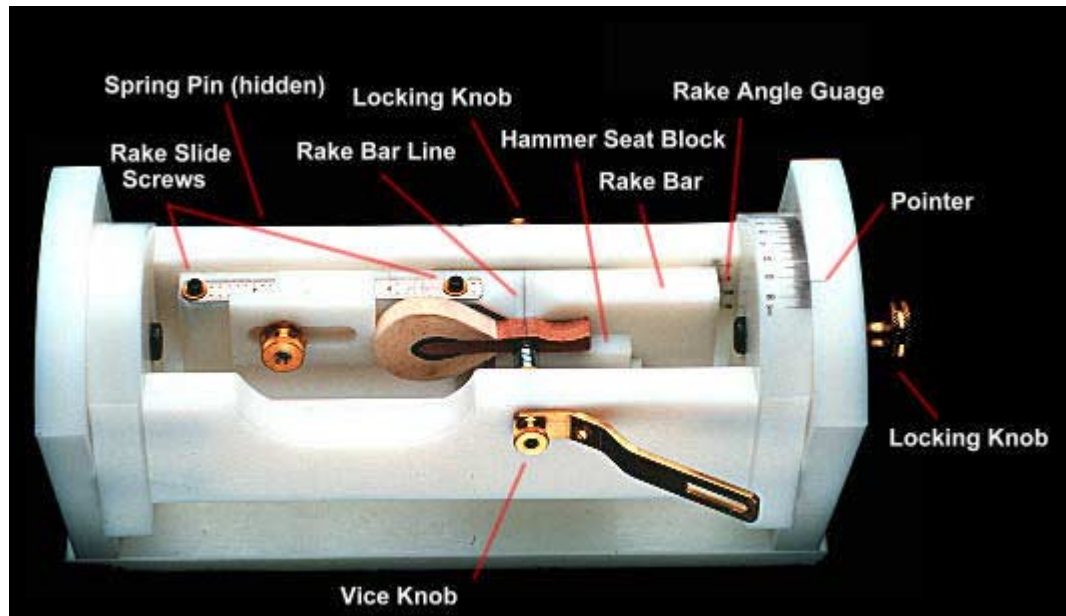


The Hammer Boring Jig by Dana Mazzaglia



Introduction

We are proud to introduce and recommend the newly designed and completely handmade Hammer Boring Jigs which is now being offered exclusively by Renner USA. This unique tool has been carefully developed and refined over the past 4 years by talented engineers and leading piano technicians and is the same device used by Renner USA in the custom boring of all their Premium Blue hammers.

Installation to Drill Press

Your drill press table should be square to the drill bit - side to side, and front to back. (Use a good machinist square) Center drill bit over line in Rake Bar and at center line of your test piece. Clamp to table. Be sure Top Angle Gauge is set on 90°.



Final Adjustments

The jig has been set initially to the standard 11/32"(H) X 7/16" (W) Renner hammer molding size. If narrow hammers are used you may want to shim between the rake and hammer as different hammer dimensions may affect the pivot point. Also, the Hammer Seat height can be changed.

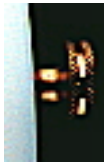
Drill a test piece of wood the same dimension as your hammers.
(piece must be square and of the same material.)

If rake angle doesn't yield 90°, swing rake all the way up and to the right. Loosen screw and brass washer on seat block with alien wrench, and pivot the seat until your test piece = 90°.

Do not over tighten.

Basic Operation

The Bass & Treble angles are set by loosening the large Locking Knobs at the right, and tilting the cradle assembly back for Treble angles, and forward for the Bass angles. Set the Pointer to the desired angle, and tighten the Locking Knobs .



Insert your hammer, making sure that it is flat on the Hammer Seat, then drill your hammer.

The rake angle is set by loosening the Locking Knob, pulling on the Spring Pin, and lining up the edge of the Rake Bar to the proper mark on the Rake Angle Gauge. The pin is set at 90° to make squaring up the rake for grands fast and easy. Rotate rake until it pops in place.

To calibrate the boring length rule, loosen the two Ruler Slide Screws and slide the Rule until it matches what the jig is drilling at. (Don't over tighten.)



When drilling hammers that are less than 7/16" wide, you may have to loosen the Vice Knob to keep adequate pressure on the hammer.

The Hammer Seat should be replaced when hammers start to chip out on the bottom. Replace with almost any wood species or plastics if preferred.

Replace the sand paper on the Rake Bar if the hammers begin to slip.

