Wessell, Nickel & Gross Back Check System

Along with superior back checks, WNG provides an integrated system by which to install back checks into an action properly.

The location of the back check, under the hammer tail, is every bit as important as the design of the check itself. The full benefit of a well designed back check cannot be realized without good back check geometry.

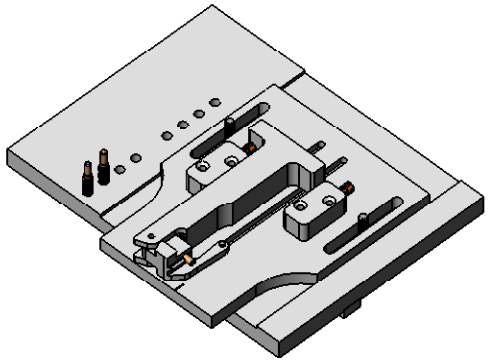
The WNG back check installation system encompasses tools, procedures and parts, carefully designed to work together. Good tools allow the technician to take advantage of the features designed into the back check.

To tie the concepts, parts and tools together, WNG provides a comprehensive written procedure. Full detail is provided so that anyone from a beginner to an advanced rebuilder can benefit.

A comprehensive solution ensures good back check geometry and thus good back check performance.

The WNG Back Check installation system

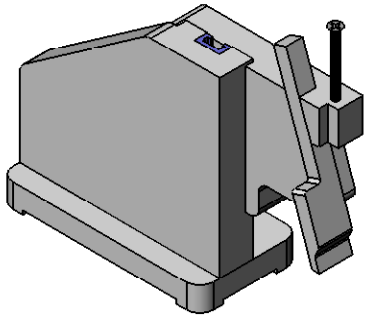
Hammer Tailing Jig



Cuts the ideal arc, angle and length on the hammer tail for optimum checking.

Part No. 06-5612

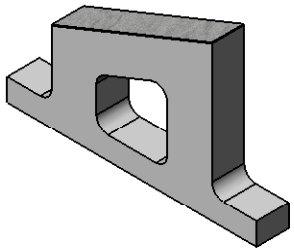
Backcheck Line & Height Jig



Marks the backcheck drilling line and sets the proper backcheck height.

Part No. 06-5682

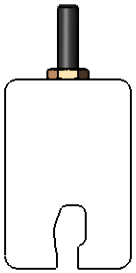
Angle Block for drilling and insertion



Positions the key at the correct angle for drilling and insertion.

Part No. 06-5615

Back Check Inserter



Allows you to use your drill press to press back checks into keys.

Part No. 06-5610

Back Check Drill

The correct drill for WNG Back Checks. (#35 or 2.8 mm)

Part No. 06-5606

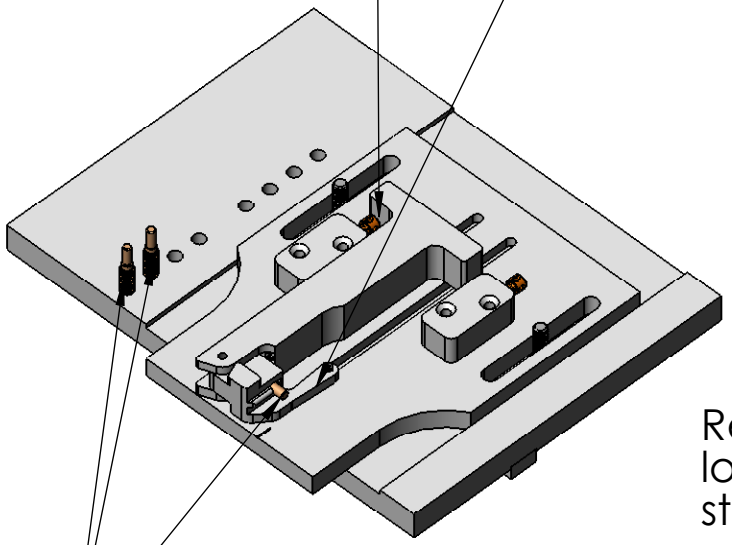
Complete set of back check tools
Part No. 06-5619

Hammer Tail Squaring Jig

Cuts the ideal arc, angle and length
on the hammer tail for optimum checking.

Hammer Tail Length Setup

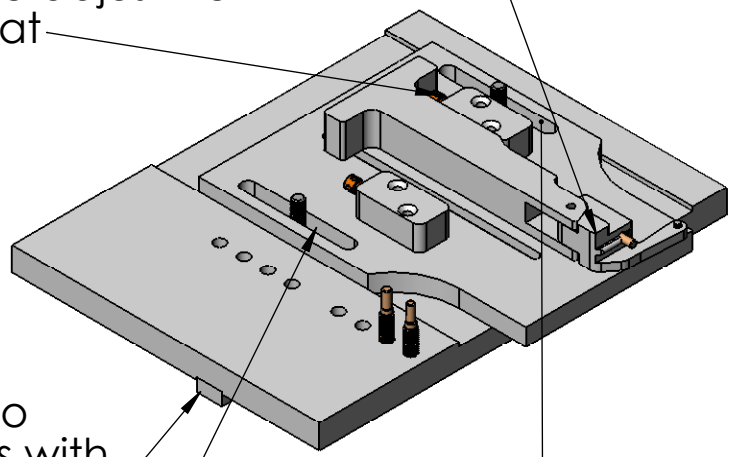
Capstan for fine
adjustment of tail length



Three pin sizes to match WNG Composite Bass
and Treble shanks as well as a standard size for
wooden shanks.

Squaring Arc Setup

Capstan for fine adjustment
of checking seat



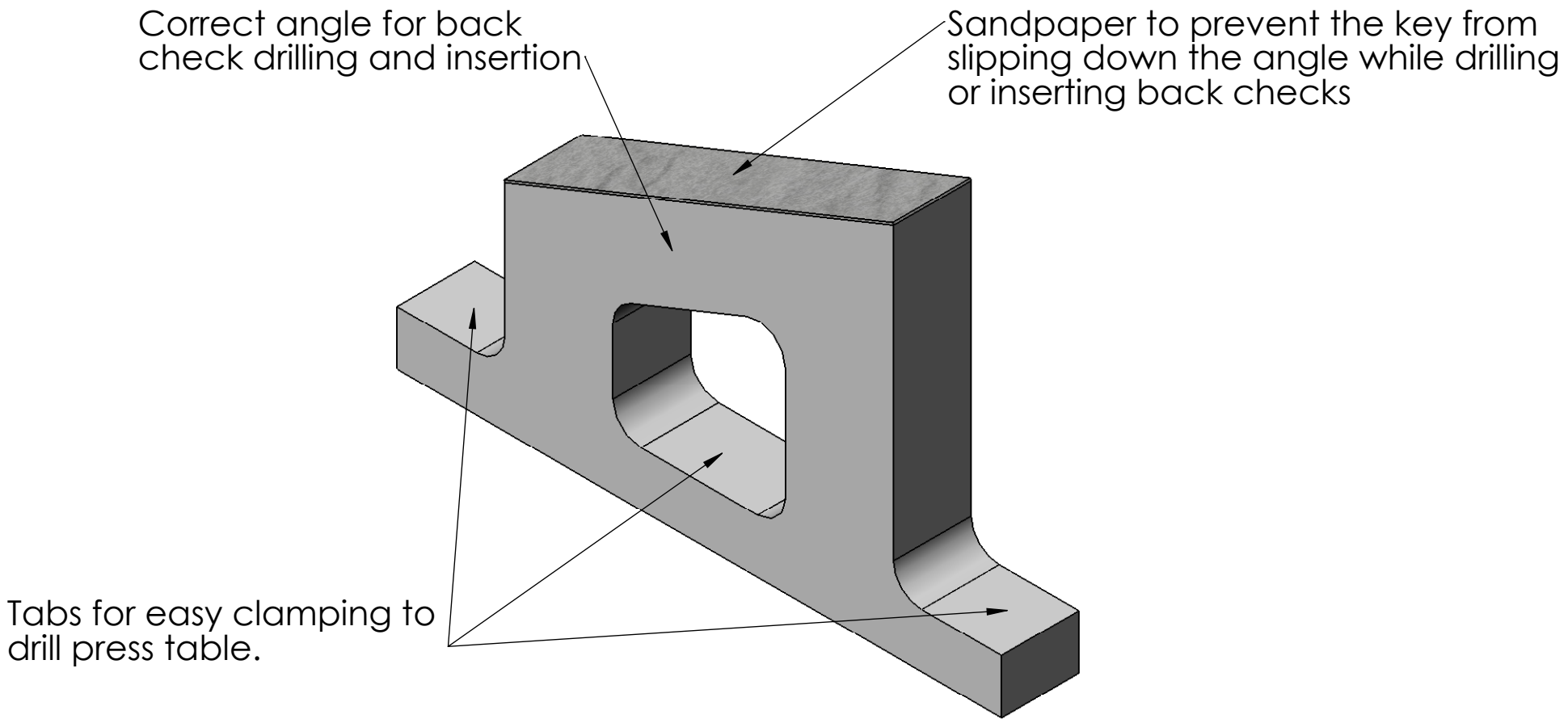
Removable insert to
locate jig on tables with
standard size miter slot.

Slide adjustment for
easy setup on sander

Hammer Tail Squaring Jig
Part No. 06-5612

Angled Drilling and Insertion Block

Positions the key at the correct
angle for drilling and insertion.

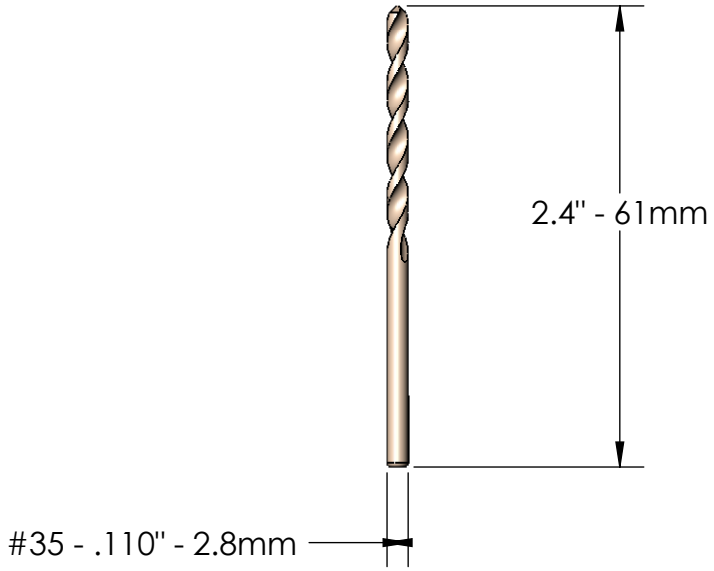


Angled Drilling and Insertion Block
Part No. 06-5615

Back Check Drill Bit

WNG provides a parabolic flute drill bit of the correct diameter.

A bit of this design will clear the material from a deep backcheck hole when the drill press is turning above 3000 rpm



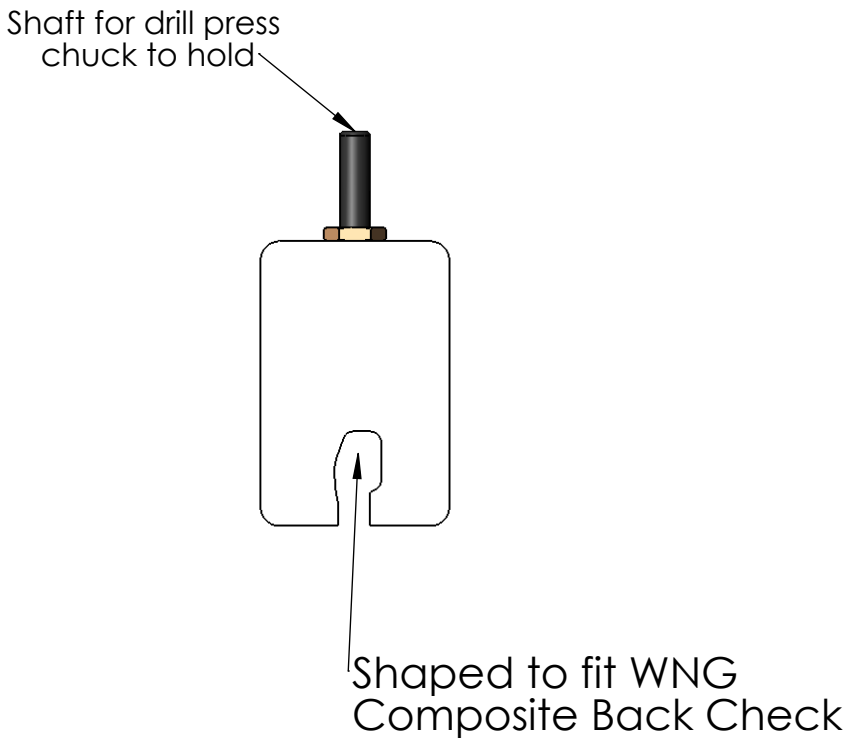
Back Check Drill Bit
Part No. 06-5606

Back Check Inserter

Allows you to use your drill press as an arbor press to insert back checks into keys.

Note:

The drill press is used only as an arbor press and is not turned on during this operation



Back Check Inserter Part No. 06-5610

Back Check Line & Height Jig

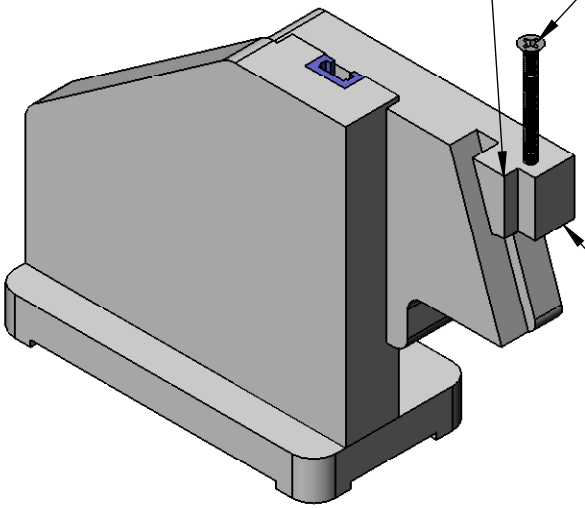
WNG has combined the Backcheck Height Gauge and the Backcheck Line Marking Jig into one tool.

Previously Backcheck Line Marking Jig was valid in a narrow though common range of string heights.

Now the technician is able to arrive at the correct backcheck height and location of the drilling line regardless of string height.

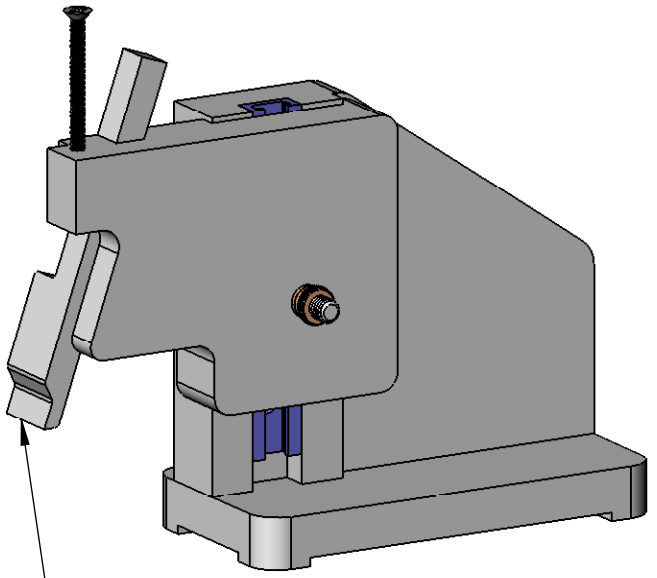
Locates action strike line from glued on hammers

Adjust to bore length and move slide so screw is against the string.



Bottom of block is height of backcheck when key is at full depression.

Backcheck height Gauge



Edge locates back check line on key when key is in rest position.

Backcheck Line Marking Jig

Back Check Line & Height Jig
Part No. 06-5682