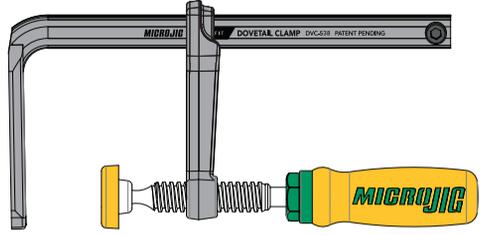
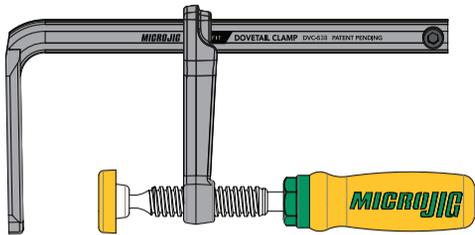


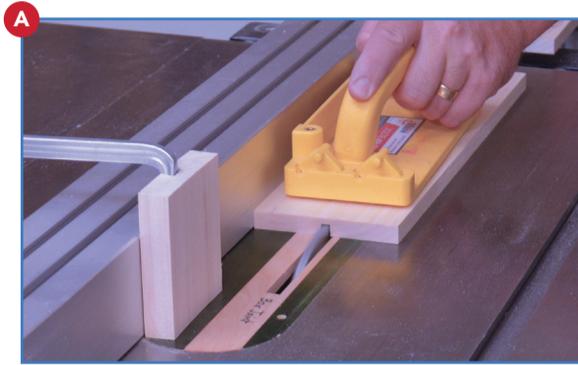
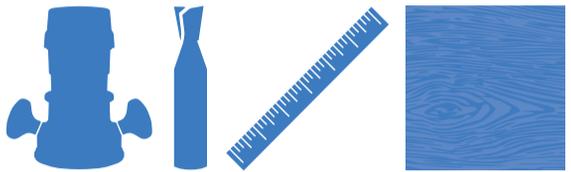
# MATCHFIT™



## CREATING DOVETAIL GROOVES TO USE YOUR MATCHFIT DOVETAIL CLAMPS:

To use the MATCHFIT Dovetail Clamp you will need:

1. Router, 1-1/2 HP or greater
2. 1/2" diameter 14° dovetail router bit, 1/2" shank recommended
3. A guiding straight edge or router table with fence
4. 3/4" thick, good quality plywood, or dense hardwood



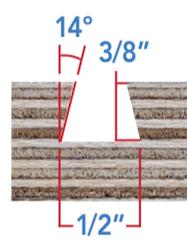
1. If you use a router 2-1/2 HP or greater, and 1/2" shank 1/2"x14° dovetail router bit, go straight to Step 2.

If your router is less than 2-1/2 HP or your dovetail router bit is a 1/4" shank, perform the following.

Before cutting your 3/8" deep dovetail slot, we recommend cutting a 1/4" wide by 5/16" deep relief groove on a table saw or with a 1/4" router bit. This reduces the wear and stress on the dovetail bit, greatly extending its lifespan, and helps to ensure straight slots. **A**



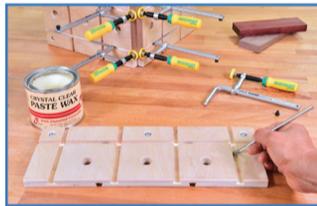
2. Create a dovetail groove in your workpiece using a router with the 1/2" diameter, 14° dovetail router bit. **B**



When cutting the dovetail slot, center the bit on the relief groove and set the depth of cut to 3/8". This will create the slot needed to hold the Dovetail Clamp securely below the surface of the part. **TIP:** For cleaner grooves, run 1 to 2 cleanup passes before cutting a new dovetail groove.

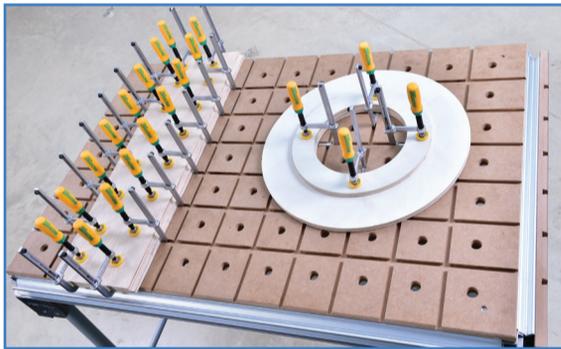


3. The head of the MATCHFIT Dovetail Clamp is forged 1/2" wide with 14° angles on each side so it slides easily within a 1/2"x14°x3/8" deep dovetail slot that you cut wherever needed. **C**



**TIP:** For smoother sliding, use a small brush to apply a thin layer of paste wax in the dovetail grooves.

## MATCHFIT DOVETAIL CLAMPS CAN HOLD PARTS, JIGS, AND FENCES WITHOUT BEING IN THE WAY. THE CLAMP HEAD IS CONTAINED WITHIN A DOVETAIL GROOVE TO OFFER MAXIMUM VERSATILITY WITHOUT INTERFERENCE.



Build a dovetail groove grid work surface. For gluing and assembly projects, apply even clamping pressure on all four sides while the workpieces are clamped completely flat on the work table, including from the center on circular projects.



Build a gridded dovetail work table with horizontal and vertical work surfaces to make accurate, repeatable 90° joinery and build drawers in less than half the time.



Groove dovetails into your workbench to create the ultimate end vice for large workpieces.



Build a 360° dovetail table saw sled. The fence can be locked from 0° to 360° in any groove. Cut panels at any angle or width that fit on the sled. A ZEROPLAY Miter Bar or equivalent should be installed on the 360° dovetail sled.



Custom fences, like this one on a bandsaw auxiliary table, can be made to order in minutes. This makes the most of your shop machines and time.



Build a drill press table and clamp virtually anywhere.

Explore more Dovetail Clamp applications shown here. Visit [microjig.com/matchfit](http://microjig.com/matchfit)

### WARRANTY REGISTRATION:

Register your product at [microjig.com/warranty](http://microjig.com/warranty)