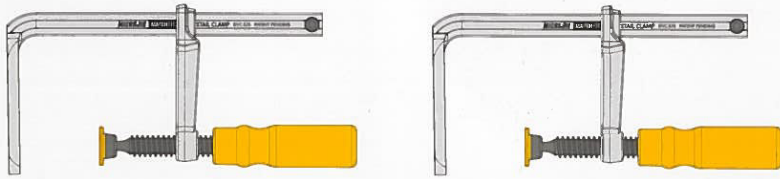




# Matchfit Clamp Instructions

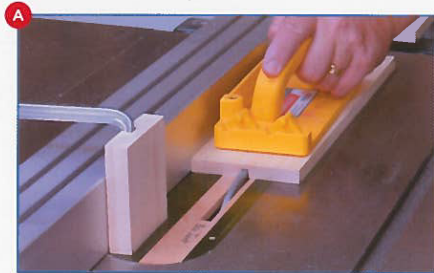
Package Contents: Includes 2 MATCHFIT Dovetail Clamps



## 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



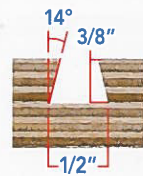
1. If you use a router 2-1/2 HP or greater, and 1/2" shank 1/2"x14° dovetail router bit, go straight to Step 2.

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.

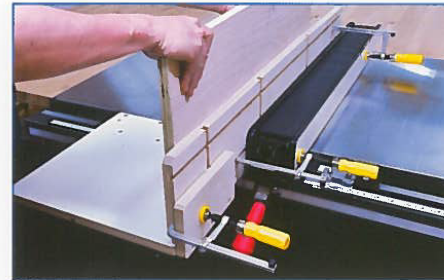


3. The head of the MATCHFIT Dovetail Clamp is forged 1/2" wide with 14° angles on each side so it slides easily within a 1/2"x14"x3/8" deep dovetail slot that you cut wherever needed. **C**



**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.



Auxiliary fences with vertical, horizontal, or diagonal dovetail grooves can be made to any height with a pair of MATCHFIT Dovetail Clamps. Easily works with virtually any rip fence.

Download plans: [microjig.com/matchfitplans](http://microjig.com/matchfitplans)



Templates for routing can be sized as needed. No exposed clamp heads can be made to any height with a pair of MATCHFIT Dovetail Clamps. Easily works with virtually any rip fence.



Bench mounting tools is quick and easy. Simply cut a couple of dovetail slots in a scrap of ply for each benchtop tool and swap tools in seconds.



Using the 2-in-1 Straight Edge Guide to square ends of boards is a breeze. MATCHFIT Dovetail Clamps slide under the guide to fit any width board. Download plans: [microjig.com/matchfitplans](http://microjig.com/matchfitplans)



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.



Quickly set and secure holding fixtures, like the one clamped to this router table. MATCHFIT Dovetail Clamps make it easy without ever getting in the way. Download plans: [microjig.com/matchfitplans](http://microjig.com/matchfitplans)

# Dado Stop Instructions

## WATCH THE INSTRUCTIONAL VIDEO: [microjig.com/ds-video](http://microjig.com/ds-video) HOW TO MAKE JOINERIES/DADOS WITH THE MATCHFIT DADO STOP

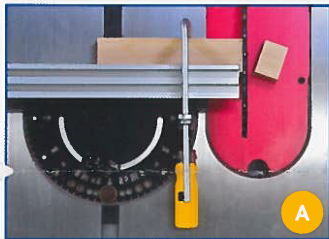
The Dado Stop must be used with the MATCHFIT Dovetail Clamp, sold separately.

**WARNING!** Your MATCHFIT Dado Stop is designed to be used in conjunction with a tablesaw. Make sure you are familiar with the operation of your saw before attempting any of the techniques presented within this manual. MICROJIG Inc. assumes no liability for any product not manufactured by it. The user must take all necessary precautions when operating a tablesaw or any other tools as recommended by their manufacturers and as required by any prudent tool user.

**Our 3-Year Warranty protects you against any manufacturer defects.**

Warranty Registration: [microjig.com/support/warranty-registration](http://microjig.com/support/warranty-registration)

### STEP 1: SET THE BLADE KERF

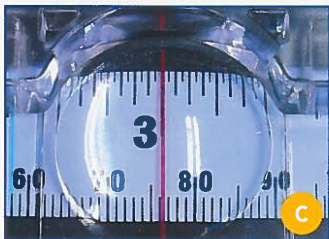


Clamp a piece of scrap to the miter gauge. Trim off the edge with the blade you will be using for your crosscut dado.



Unplug the saw. Attach the Dado Stop to your rip fence using a MATCHFIT Dovetail Clamp. Adjust the rip fence so Leg #1 is gently touching the right side of the carbide teeth at the front of the saw blade.

Reference [1.1 ALIGN BLADE \(R\)](#)



Leg #1 of the Dado Stop is exactly 3" in length. Set your rip fence scale cursor to exactly 3". Now your fence gauge will read accurately for this blade.

Reference [1.1 ALIGN BLADE \(R\)](#)



Adjust Leg #2 in front of the blade until touching the edge of the scrap trimmed earlier.

Reference [1.2 ALIGN BLADE \(L\)](#)

### STEP 2: SET THE INLAY MATERIAL WIDTH

Reset the rip fence back from the blade and set a square across the Dado Stop aligned off the side of Leg #2.

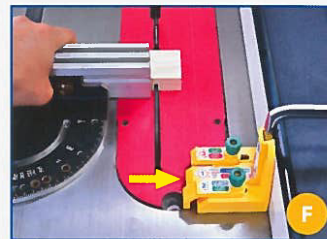
Reference [2.1 SET DADO \(L\)](#)

Place a piece of the stock that will be fitted into the dado against the square. Adjust Leg #3 until it touches the piece

Reference [2.2 SET DADO \(R\)](#)

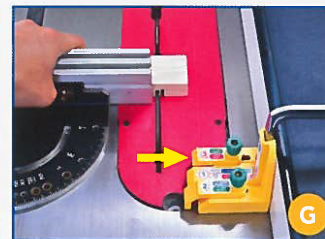


### STEP 3: CUTTING THE DADO Refer to [1](#) [3](#)



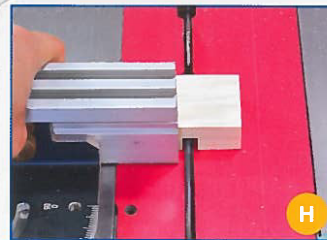
Cutting the first shoulder. Put stock against Leg #1. Make your cut.

Reference [3.1 CUT DADO \(R\)](#)



Cutting the second shoulder. Put stock against Leg #3. Make your cut.

Reference [3.2 CUT DADO \(L\)](#)



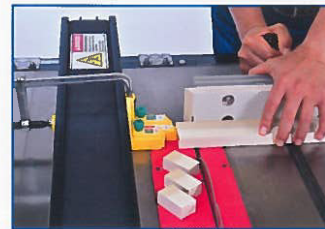
Repeat cuts to remove material between the shoulders.



Insert the inlay material from [STEP 2](#)

### Using the Dado Stop as a crosscut stop.

A rip fence/miter gauge combination should NEVER be used for crosscutting. The material trapped between the fence and blade will kick back. The Dado Stop can be used as a safe and effective crosscut stop.



The precise 3" length of the Dado Stop allows you to accurately set the rip fence scale. Set Leg #1 gently against the blade. Reference [1.1 ALIGN BLADE \(R\)](#) Set the scale cursor on the rip fence to exactly 3". Now, move your fence to desired cut width (+3"). Move the stock so that it gently touches Leg #1. Make your cut. Repeat as necessary.

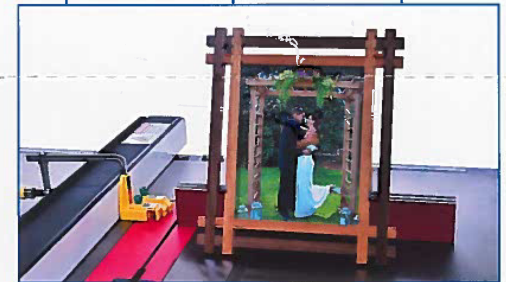


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