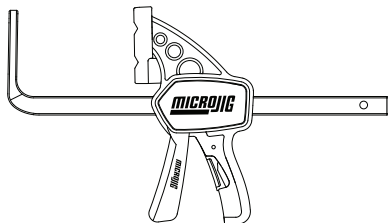


MatchFit® Grr-rip Clamp

User Manual (v8.0a)

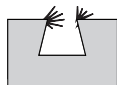
For building custom guide rails, jigs, fixtures and more.



Grr-rip Clamp
DVC-625

⚠ WARNING

Always wear safety glasses and hearing protection. Follow all safety precautions and use best practices. Microjig assumes no liability for products not sold by Microjig.



Standard Bit

Standard Bits vs MatchFit Bits

You can use any 1/2" x 14° dovetail bit. However, the top edges of the groove will need to be sanded smooth after milling.



MatchFit Bit

The **MatchFit Dovetail Router Bit** is engineered to route perfectly smooth Dovetail Tracks to reduce cleanup.

Learn more at: microjig.com/dv-bit

Recommended wood types (3/4" or thicker):

void-free plywood (e.g. Baltic birch), standard MDF, or seasoned solid wood.

Required Tools (Not included) *Optional but recommended.

A



Router table
with fence

OR



Hand router
(1.5+ HP)

+



Straight edge
guide

B



1/2" x 14°
dovetail bit

C*



1/4" relief bit
OR straight bit

OR

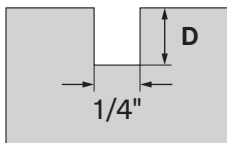


Table saw
with blade

Dovetail Track Instructions

Step 1 – Cut relief grooves*

TOOLS Router [A] and 1/4" relief bit **OR** table saw [C]
CUT DEPTH (D) 11/32" (8.7mm)

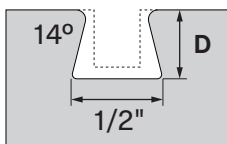


*(optional but recommended)

Cutting relief grooves before the dovetail grooves puts less stress on your dovetail router bit. This helps your dovetail bit last longer and ensures your tracks are straight.

Step 2 – Cut dovetail grooves

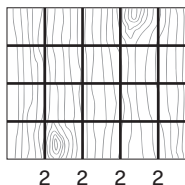
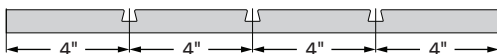
TOOLS Router [A] with 1/2" x 14° dovetail bit [B]
CUT DEPTH (D) 3/8" (9.5mm)



Cut along the center of your relief grooves to make your Dovetail tracks. If using a regular dovetail bit make 1–2 cleanup passes to smooth the edges.

TIP: For ease of use, use a small brush to apply a thin layer of paste wax on the dovetail groove walls.

Step 3 – Creating dovetail grids



Route grooves 4" (101.6mm) apart on center to provide compatibility with MatchFit clamp track accessories.

Route all cross-grain tracks **(1)** first, then route the tracks along the grain **(2)**.

Using Grr-rip Clamps

Slide the clamp body toward the part as needed.

Squeeze the handle to close the clamp and apply pressure.

Press the release trigger to release the clamp and open the jaw.

