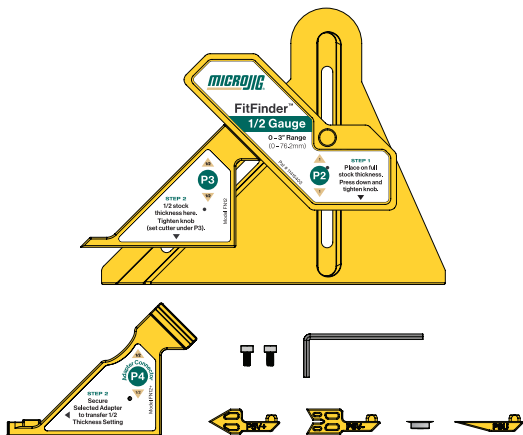


MICROJIG

FITFINDER™



FitFinder 1/2 Gauge

Instruction Manual

For all FitFinder FN12 Models

EN

Work Safer. Work Smarter.



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Instruction Manual

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WARNING

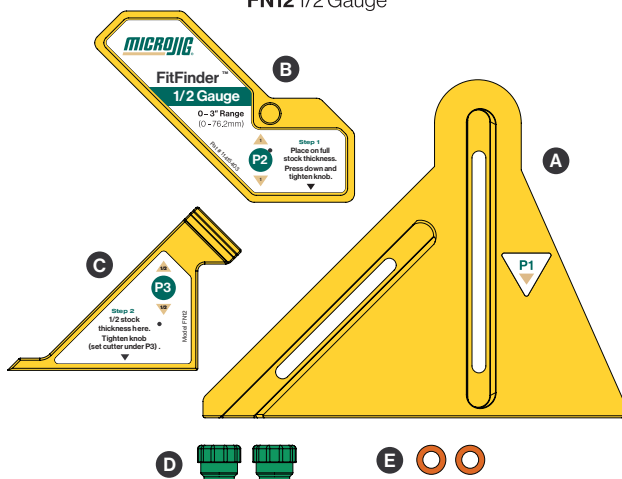
Always wear safety glasses and hearing protection. Follow all safety precautions and use best practices. Microjig assumes no liability for products not sold by Microjig.

Parts List

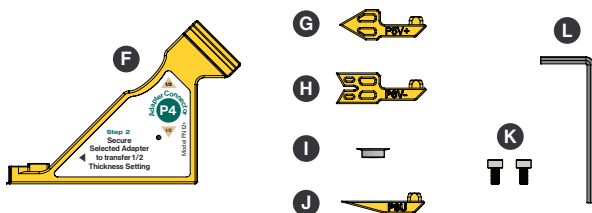
#	FN12 1/2 Gauge parts	Qty	Part #
A	Base	1	FN12-P1
B	Full height gauge	1	FN12-P2
C	Half height gauge	1	FN12-P3
D	#10-32 round knob	2	GR-H50
E	Orange O-ring	2	GR-H4

#	FN12-UG Upgrade Kit parts	Qty	Part #
F	1/2 Gauge adapter	1	FN12-P4
G	Center V pointed	1	FN12-P5V+
H	Center V bandsaw	1	FN12-P6V-
I	Marking wheel	1	FN12-P7
J	Up finder	1	FN12-P8U
K	M3 x 6mm hex screw	2	FN12-H5
L	2.5mm hex key	1	FN12-H6

FN12 1/2 Gauge



FN12-UG Upgrade Kit



A Finding 1/2 points.

- A.1.** Loosen the green knobs 1/4 turn, place full stock under P2. Press down and tighten knob.
- A.2.** P3 is now at 1/2 the stock thickness. Tighten the knob and set cutter to the bottom edge of P3 [Fig 1].

TIP: Use a clean, flat surface for best results.

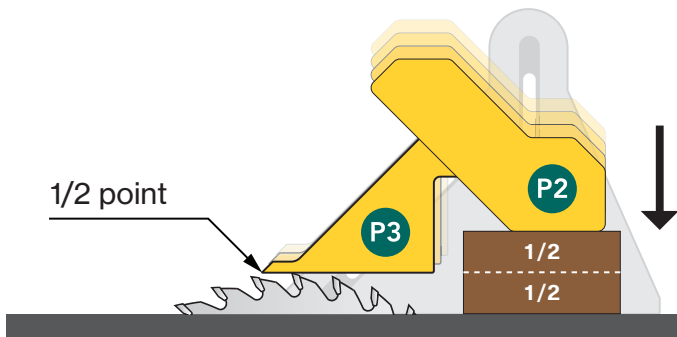


Fig 1 - P3 finds 1/2 point

B Setting 1/2 thickness cut depths.

- B.1.** Find the 1/2 point of the material. [Step A]
- B.2.** Place P3 on the tool surface directly above the router bit.
- B.3.** Adjust the height of the router bit until the cutting edge touches the bottom of P3 [Fig 2a].

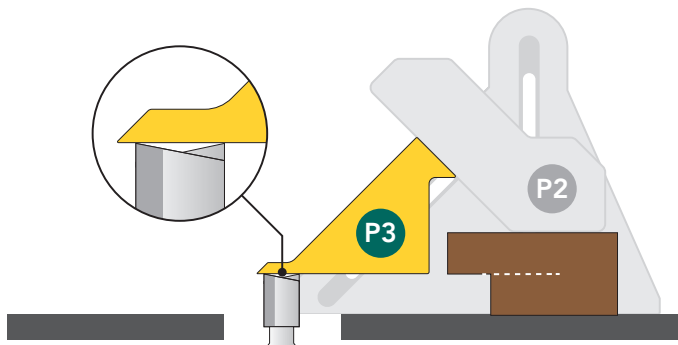


Fig 2a - Router bits

B Setting 1/2 thickness cut depths. (continued)

B.4. Vertically Symmetrical Bits: Align tip of P3 with the vertical center of the bit [Fig 2b].

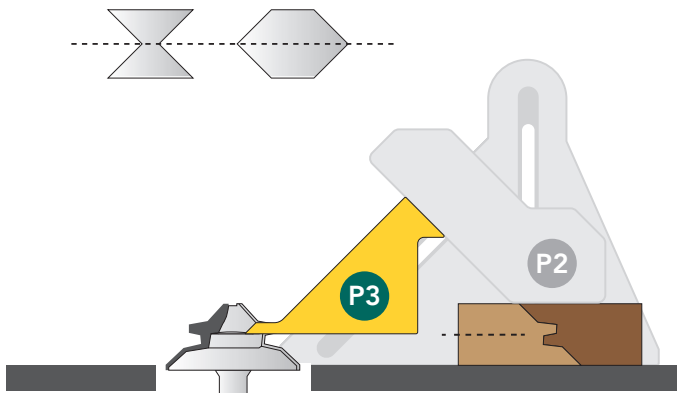


Fig 2b - Set to center point

C Setting fences.

- C.1.** Find the 1/2 point of the material. [Step A]
- C.2.** Place the bottom of the FitFinder Base on the side of the fence, so the tip of P3 is facing the blade/bit.
- C.3.** Move the fence toward the cutter while holding the FitFinder firmly against the fence.
- C.4.** Align the bottom of P3 with the blade/bit as desired [Fig 3].

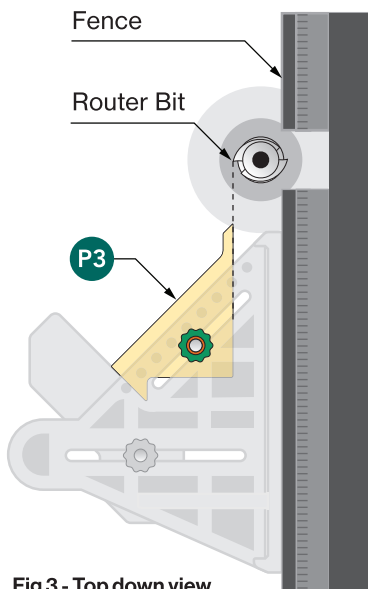


Fig 3 - Top down view

D Finding center points.

- D.1.** Find the $1/2$ point of the material. [Step A]
- D.2.** Flip the FitFinder over, then place and hold the material against the bottom of P3 [Fig 4a].

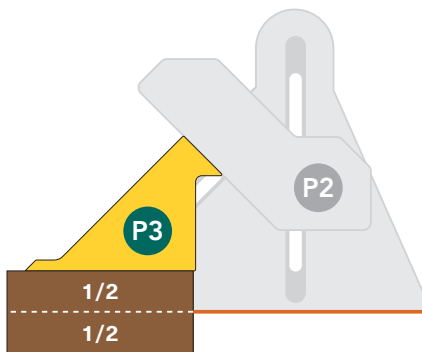
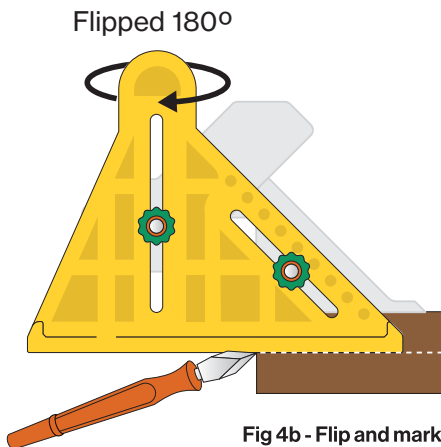


Fig 4a - Put material under P3.

- D.3.** Mark along the bottom of the body (P1) with a marking knife or awl. A pencil can be used, but is less accurate [Fig 4b].
- D.4.** Turn square or round stock 90° and repeat steps D.1-D.3 to mark the center point. With rectangular or odd shaped parts, the 1/2 Gauge needs to be reset along the second dimension (Step A) to mark the second line.



E Attaching P4 Leg. (FN12-UG, FN12PRO)

- E.1.** Remove the green knob from the back of P3 and loosen the knob on P2 without removing it [Fig 5a].

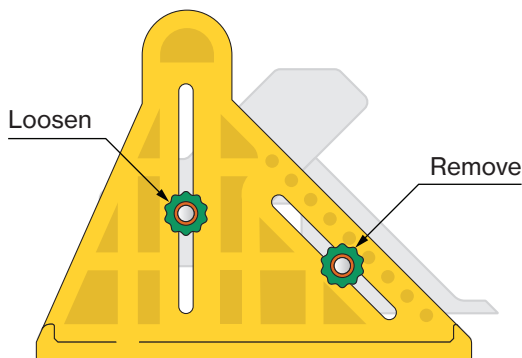


Fig 5a - Remove P3 knob, loosen P2 knob.

- E.2.** Pull P2 forward to disengage the sliding joint and remove P3 [Fig 5b].

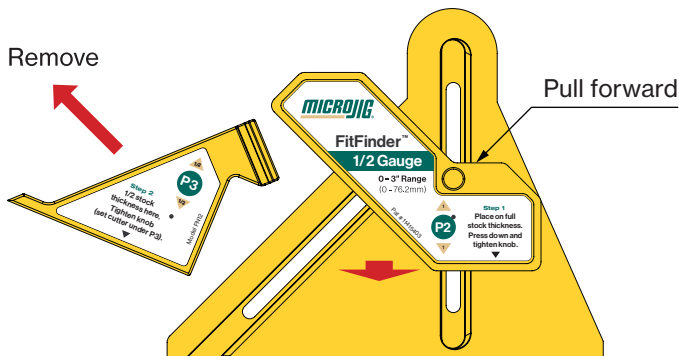


Fig 5b - Remove P3

E Attaching P4 Leg. (FN12-UG, FN12PRO) (continued)

- E.3.** Insert P4 in place of P3 ensuring that the sliding joint of P4 is under the 45-degree edge of P2 [Fig 5c].
- E.4.** Screw the green knob onto P4 and re-tighten the knob on P2.

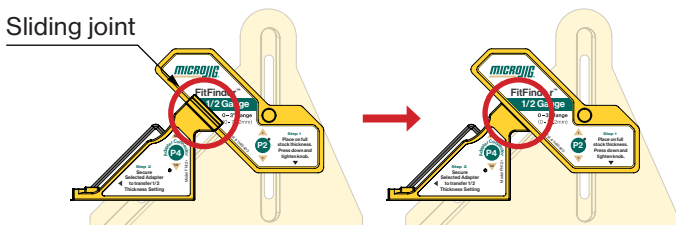


Fig 5c - Put P4 sliding joint under P2.

- E.5.** Use the included hex key to attach specialty tips to the end of P4 as needed [Fig 5d].

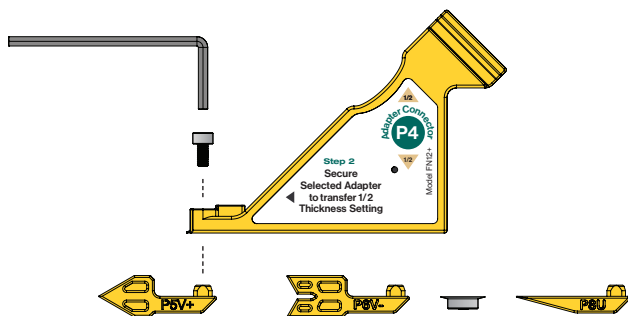


Fig 5d - Attach tips to P4.

F Using P5V+ Inside Tip



- F.1.** Point of P5V+ can be used to set center on “V” type router bits [Fig 6a].
- F.2.** P5V+ extends inside tight spaces to indicate center [Fig 6b].

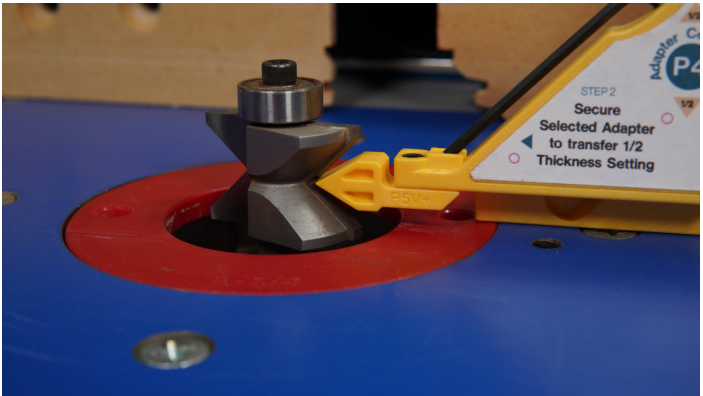


Fig 6a - P5 centering “V” bit.



Fig 6b - P5 centering bullnose bit.

G Using P6V- Outside Tip

- G.1.** Touch both sides of cutter with P6 opening to find the center point [Fig 7a].
- G.2.** Set fences to the center of drill or router bits [Fig 7b].
- G.3.** Use the back of bandsaw blades in the slot on P6 to center them [Fig 7c].
- G.4.** Center saw blades by touching teeth to both sides of the V-notch on P6 [Fig 7d].

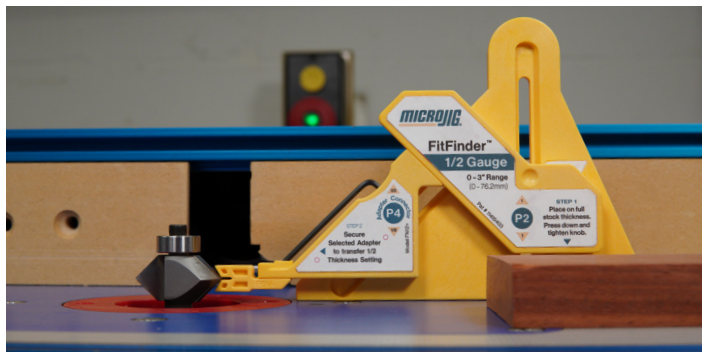


Fig 7a - P6 on router table.



Fig 7b - P6 centering drill bit.



Fig 7c - P6 centering band saw.



Fig 7d - P6 on table saw.

H Using P7 Marking Wheel

- H.1.** Scribe physical lines across stock to find center lines for turning [Fig 8a].
- H.2.** Cut physical scribe lines with P7 to guide hand tools [Fig 8b].
- H.3.** Transfer measurements with P7 for a visual cut line [Fig 8c].



Fig 8a - P7 finding center on round stock.



Fig 8b - Physical line sets hand tools.



Fig 8c - P7 finding center on band saw.

I Using P8U Up Tip



- I.1. Set fences to the exact cut line of bits and blades [Fig 9a].
- I.2. Transfer tongue and groove setting between bit sets [Fig 9b].
- I.3. Cut half the stock without the kerf using P8 [Fig 9c].



Fig 9a - P8U setting table saw blade.

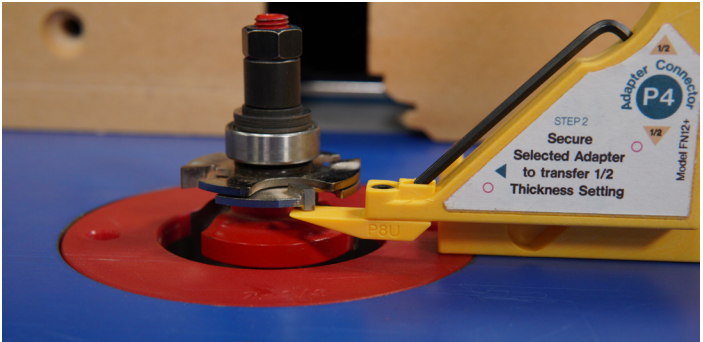


Fig 9b - P8U on router table.



Fig 9c - P8U on band saw.

Safety Note

The operator is always responsible to read and understand the instruction manual for all their power tools. All machines must be set up according to the manufacturer's specifications, be clean and in good repair. Woodworking carries inherent risk, and it is your job to minimize your exposure.

If you need advice or have questions, email Microjig at **support@microjig.com** or call our office at **+1 (855) 747-7233** 9am-4pm EST Monday to Friday.



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