Woodpeckers®

EXACT WIDTH DADO JIG

O W N E R ' S M A N U A L

DIAGRAM NUMBER	(QTY)	PART NAME
①	(1)	Exact Width Dado Jig Base Assembly
②	(3)	Red Knobs
③	(1)	Scale
④	(2)	MDF Zero Clearance Blocks *(also sold separately)*
⑤	(2)	Edge Guides *(also sold separately)*
	(1)	1/8" Allen Key

HARDWARE BAG A

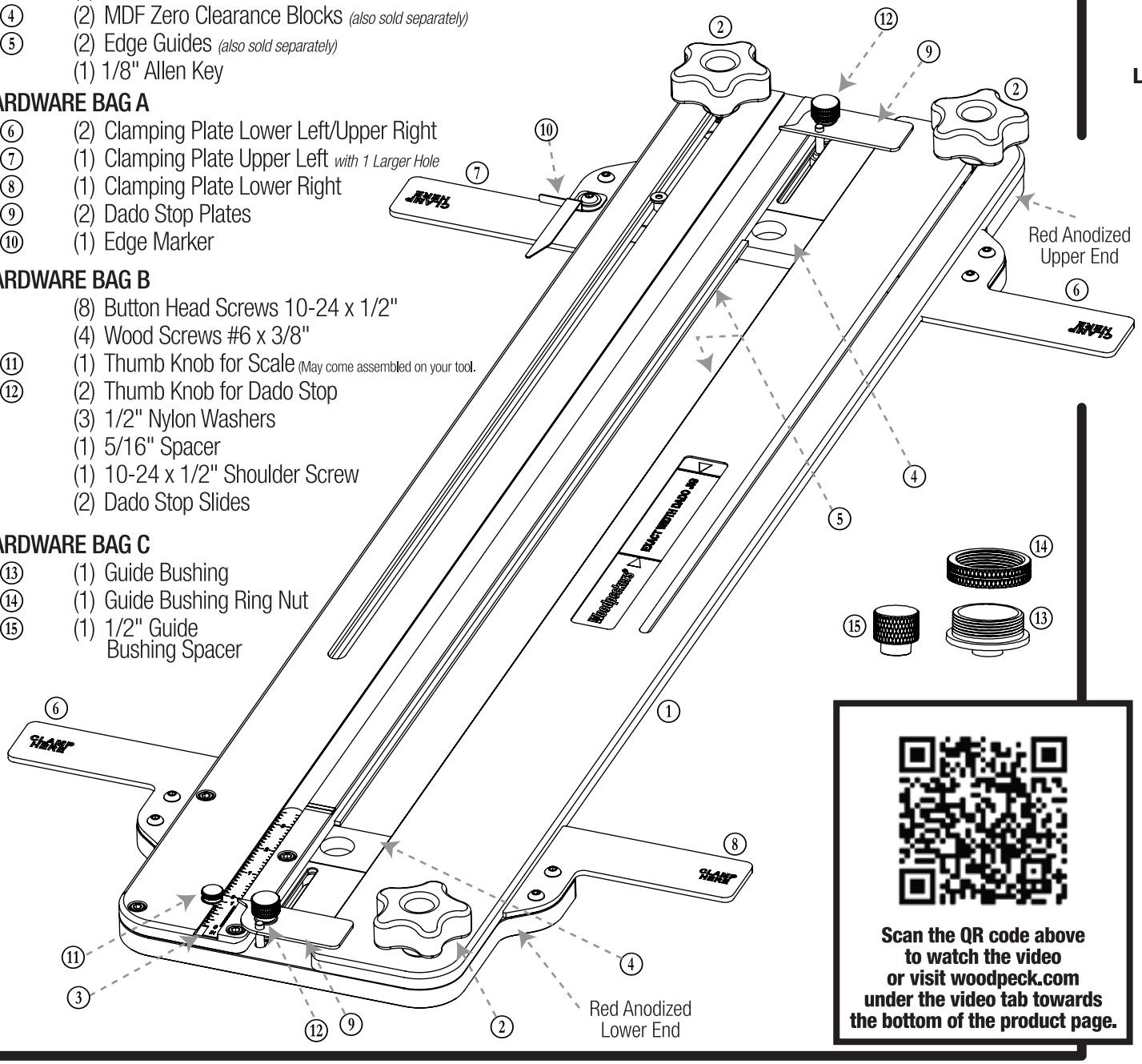
⑥	(2)	Clamping Plate Lower Left/Upper Right
⑦	(1)	Clamping Plate Upper Left *with 1 Larger Hole*
⑧	(1)	Clamping Plate Lower Right
⑨	(2)	Dado Stop Plates
⑩	(1)	Edge Marker

HARDWARE BAG B

	(8)	Button Head Screws 10-24 x 1/2"
	(4)	Wood Screws #6 x 3/8"
⑪	(1)	Thumb Knob for Scale (May come assembled on your tool.
⑫	(2)	Thumb Knob for Dado Stop
	(3)	1/2" Nylon Washers
	(1)	5/16" Spacer
	(1)	10-24 x 1/2" Shoulder Screw
	(2)	Dado Stop Slides

HARDWARE BAG C

⑬	(1)	Guide Bushing
⑭	(1)	Guide Bushing Ring Nut
⑮	(1)	1/2" Guide Bushing Spacer



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I. INSTALL CLAMP PLATES & EDGE MARKER

AT THIS POINT YOU WILL NEED:

- ① (1) Exact Width Dado Jig Base Assembly
- FROM **HARDWARE BAG A**
  - ⑥ (2) Clamping Plate Lower Left/Upper Right
  - ⑦ (1) Clamping Plate Upper Left *with 1 Larger Hole*
  - ⑧ (1) Clamping Plate Right
  - ⑨ (1) Edge Marker
- FROM **HARDWARE BAG B**
  - (8) Button Head Screws 10-24 x 1/2"
  - (1) 1/2" Nylon Washer
  - (1) 5/16" Spacer
  - (1) 10-24 x 1/2" Shoulder Screw

1. Make sure the Black Rails of the Exact Width Dado Jig Base ① are both extended flush with the Red Anodized Ends. Lock Red Knobs ②.

2. The Clamping Plate Upper Left *with 1 Larger Hole* ⑦ goes on the top left side of the upper Red Anodized End. The smaller hole receives a Button Head Screw 10-24 x 1/2". The larger hole is for the Edge Marker and hardware. ***FIGURE 1.***

NOTE: Make sure the Edge Marker ⑨ is oriented (perpendicular to the Black Rail) ***FIGURE 1-A.*** Install the Edge Marker in order: 5/16" Spacer, Edge Marker, 1/2" Nylon Washer then the Button Head Screw 10-24 x 1/2". The Edge Finder should easily rotate outward (clockwise). ***FIGURE 1-B.***

3. Thread the 10-24 x 1/2" Shoulder Screw into the slot between the Black Rails into the Red Anodized End. ***FIGURE 1-B.***

4. For Clamping Plates Lower Left & Upper Right ⑥ and the Clamping Plate Right ⑧, line up flush with the Black Rail and secure each with (2) Button Head Screws 10-24 x 1/2" to the Red Anodized Ends. ***FIGURE 2.***

FIGURE 1

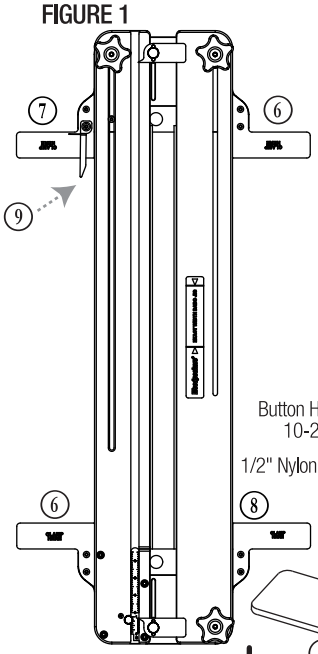


FIGURE 1-B

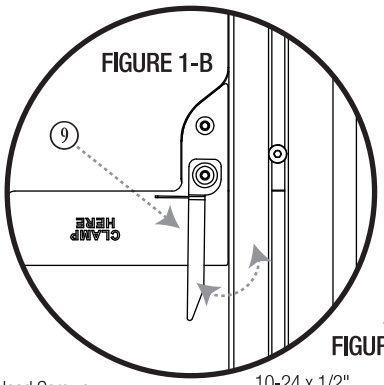


FIGURE 1-A

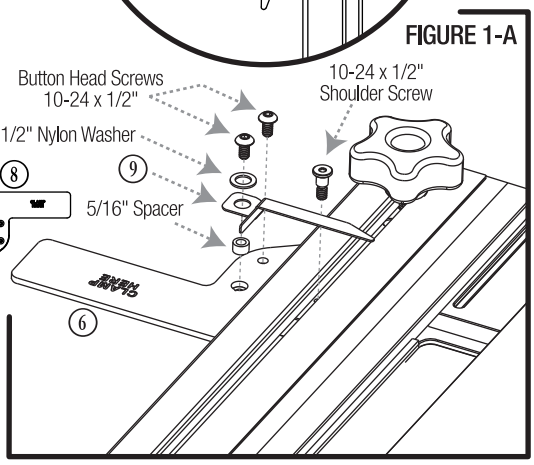
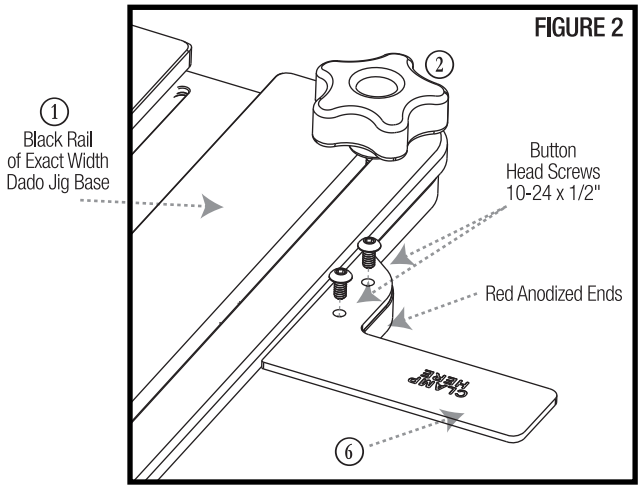


FIGURE 2



II. INSTALLING THE MDF ZERO CLEARANCE BLOCKS

AT THIS POINT YOU WILL NEED:

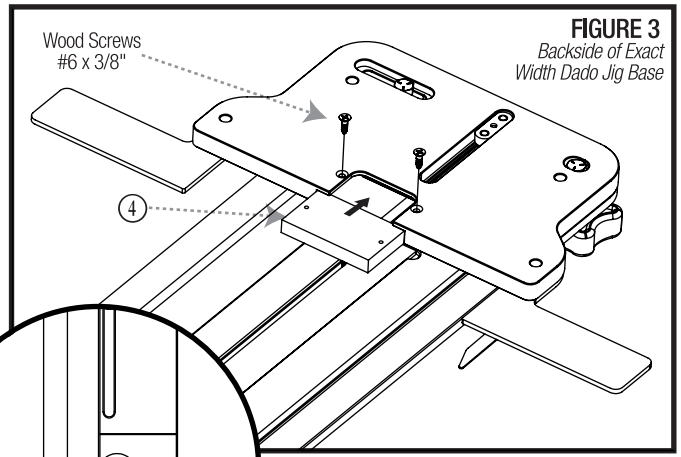
- ④ (2) MDF Zero Clearance Blocks *(also sold separately)*
- FROM **HARDWARE BAG B**
  - (4) Wood Screws #6 x 3/8"

1. Turn the Exact Width Dado Jig upside down. Slide a MDF Zero Clearance Block ④ into the rectangular opening of the Red Anodized End. ***FIGURE 3.*** The large hole of the MDF Zero Clearance Block should be to the left side and face out to the front of the Exact Width Dado Jig Base. ***FIGURE 3-A.***

2. Line up holes of the Zero Clearance Block and the Red Anodized Ends then secure with (2) Wood Screws #6 x 3/8".

NOTE: Do not over-tighten screws. Repeat for the other end.

FIGURE 3
Backside of Exact Width Dado Jig Base



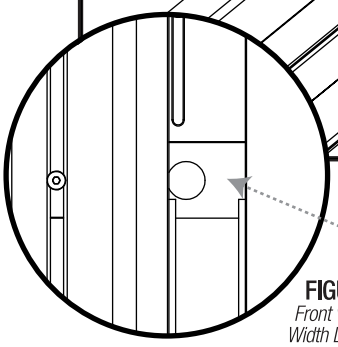


FIGURE 3-A
Front view of Exact Width Dado Jig Base

III. INSTALL EDGE GUIDES

AT THIS POINT YOU WILL NEED:

- ⑤ (2) Edge Guides *(also sold separately)*

1. Remove transfer tape backing from the Edge Guide ⑤. Locate each end of the Edge Guide into the recessed corners on the backside of the Black Rails. ***FIGURES 4 & 4-A.***

2. Apply even pressure to the Edge Guide securing it in place.

3. Repeat for the other Edge Guide. Edge Marker indicates edge of stock for Dado Stop alignment.

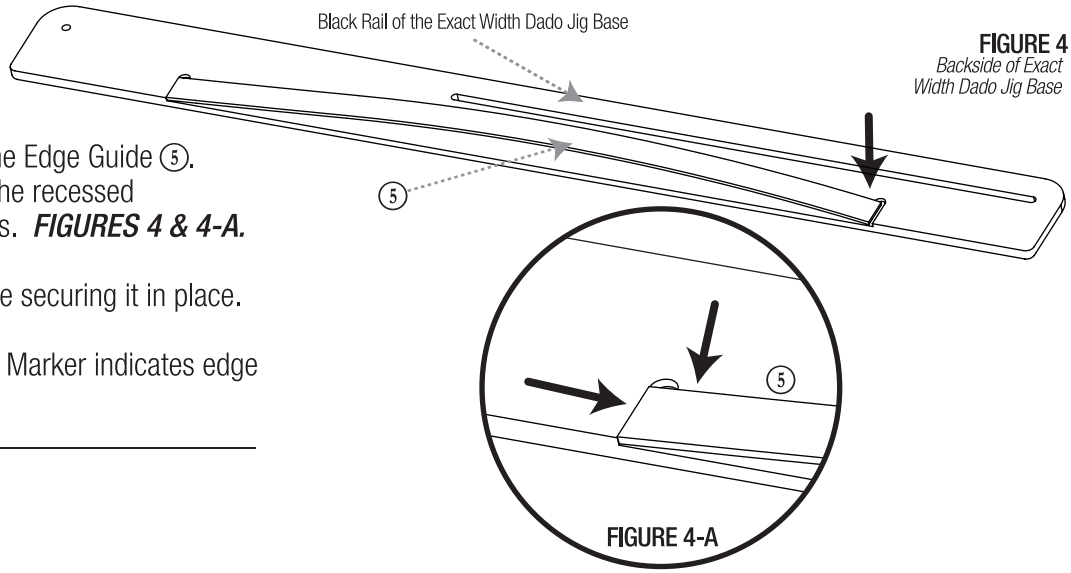


FIGURE 4
Backside of Exact Width Dado Jig Base

FIGURE 4-A

IV. INSTALL DADO STOP PLATE ASSEMBLIES

AT THIS POINT YOU WILL NEED:

- FROM **HARDWARE BAG A**
  - ⑨ (2) Dado Stop Plates
- FROM **HARDWARE BAG B**
  - ⑫ (2) Thumb Nut for Dado Stop
  - (2) Dado Stop Slides
  - (2) 1/2" Nylon Washers

1. Align the Dado Stop Slide in the groove on the under side of the Red Anodized Ends with the 2 pins pointing upward. ***FIGURE 5.***

2. The pins of the Dado Stop Slide align with the 2 holes in the Dado Stop Plate ⑨. Ensure pointer of Dado Stop Plate points at the Scale groove. Once the pins are located through the Red Anodized Ends, add a 1/2" Nylon Washer to the Dado Stop Knob ⑫ and thread Dado Stop Knob to the Dado Stop Slide. ***FIGURE 5-A.***

3. Repeat for the other Dado Stop Plate on the other end.

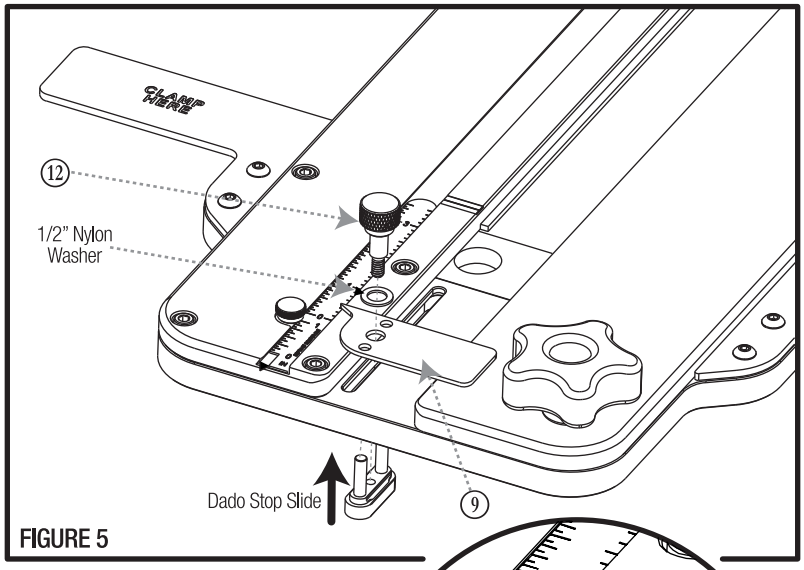


FIGURE 5

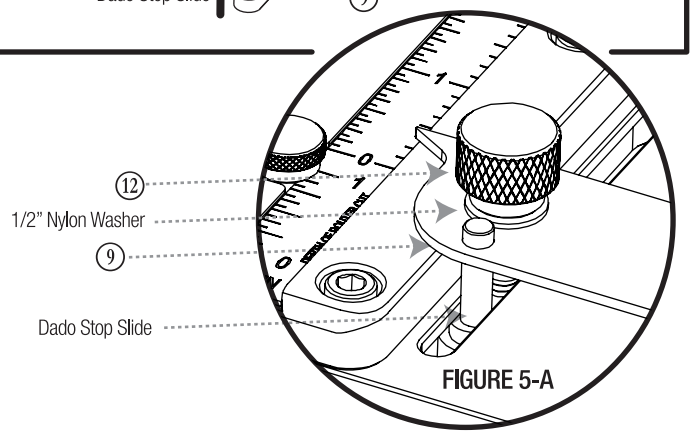


FIGURE 5-A

V. SETTING UP EDGE GUIDES

AT THIS POINT YOU WILL NEED:

You will need a sacrificial piece of wood or sheeting that measures 24.5" long (32.5" for the larger version) x 16" wide and at least 1/4" thick. Place the sacrificial wood inside the top and bottom edges of Red Anodized Ends.

AT THIS POINT YOU WILL NEED:

- FROM **HARDWARE BAG C**
  - ⑬ (1) Guide Bushing
  - ⑭ (1) Guide Bushing Ring Nut
  - ⑮ (1) 1/2" Guide Bushing Spacer

1. Install Guide Bushing ⑬ onto your router's base plate. Thread the Guide Bushing Ring Nut ⑭ onto the Guide Bushing. Center the router's base plate and tighten Guide Bushing Ring Nut. ***FIGURE 6.***

NOTE: If you have a centering gauge, use it to make sure the bit is centered with the Guide Bushing.

2. Move both Dado Stop Plates to the outer most limit.

3. Clamp the Exact Width Dado Jig and wood to a work table.

4. Tighten just the top left Red Knob. Place the 1/2" Guide Bushing Spacer ⑮ between the Black Rails at the upper end. ***FIGURE 7.***

5. At the bottom of the Exact Width Dado Jig place your router (with 1/2" Guide Bushing installed) between the Black Rails. Slide the right Black Rail toward the left until snug. ***FIGURE 7.*** This will ensure you perfect 1/2" parallel spacing between the right and left Black Rails.

NOTE: You do not have to put much pressure on the right Black Rail. It only needs to touch the Guide Bushing Spacer and the Guide Bushing.

6. Now tighten both the top right and bottom right Red Knobs. You can now remove your router and the Guide Bushing Spacer.

7. Install a 3/8" diameter router bit in your router.

MAKE ABSOLUTE SURE the bit is centered

Guide Bushing installed on the router.

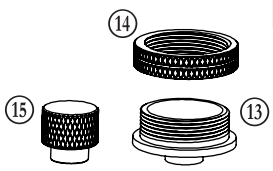


FIGURE 6

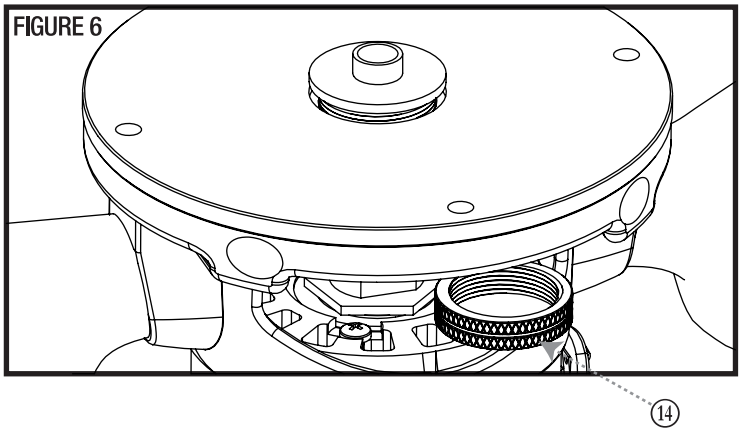
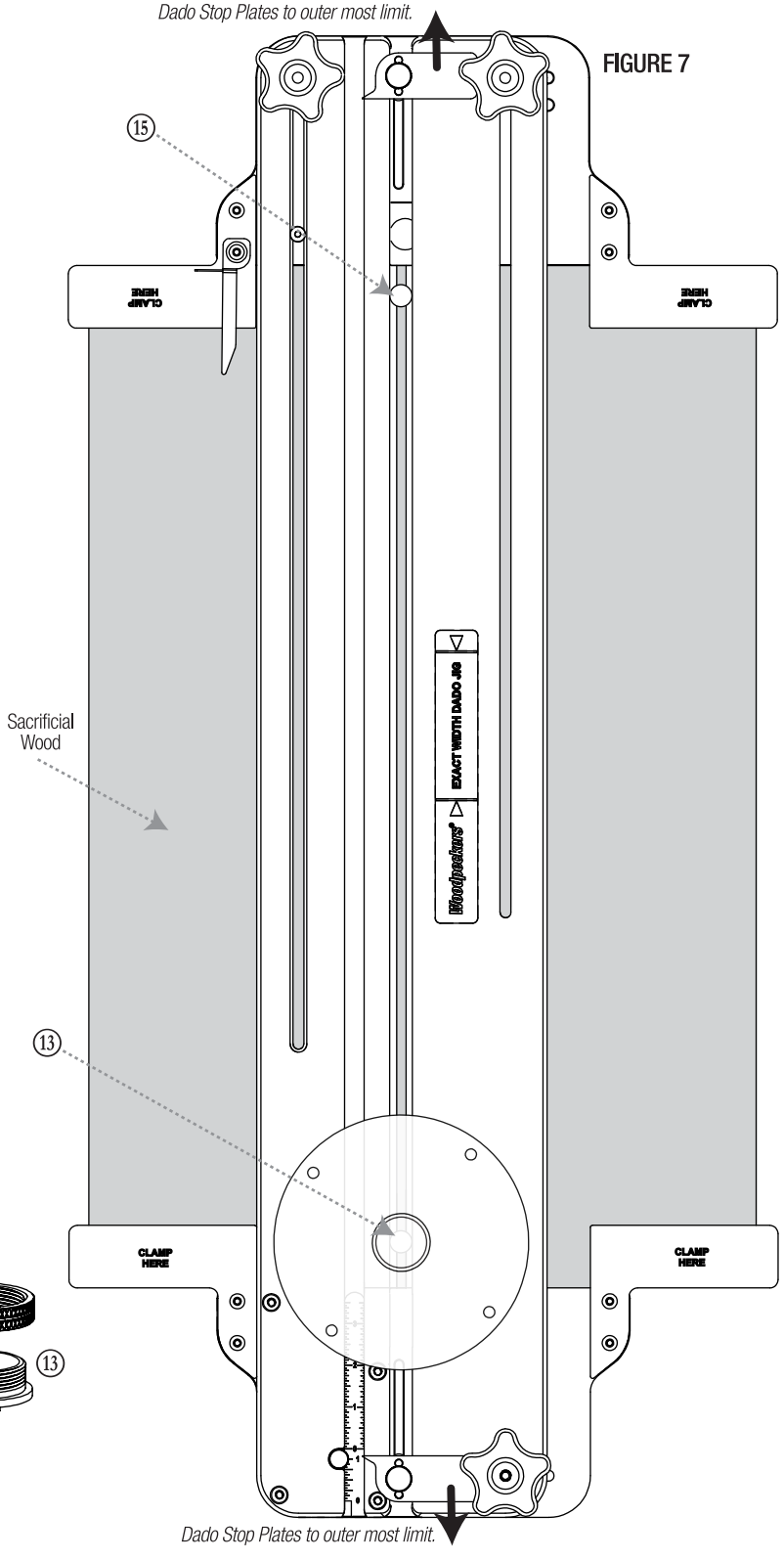


FIGURE 7



as best as possible with the Guide Bushing.

8. Use the Scale ③ to set the cutting depth. ***FIGURE 8.*** The notch on the Scale automatically takes into consideration the thickness of the Black Rails. The zero point on the Scale matches the Black Rail material thickness. Set depth of cut to 1/8" plus some clearance into your sacrificial board.

9. The Exact Width Dado Jig works with either plunge routers or fixed base routers. There are holes in the MDF Zero Clearance Blocks ④. Locate your router bit in the hole. *This hole is so the router can be turned on without cutting anything.* ***FIGURE 9.***

10. Start your router and make a smooth cut from one end to the other. Ensure both white Edge Guides are cut completely from one end to the other. ***FIGURE 10.***

IMPORTANT NOTE: It can be difficult to center your Guide Bushing to your router. Avoid turning the router in the Exact Width Dado Jig while cutting. Keeping the router in the same orientation contributes to better spacing and properly fitting dadoes. Make sure to cut the full length distance from Upper Dado Stop Plate to Lower Dado Stop Plate.

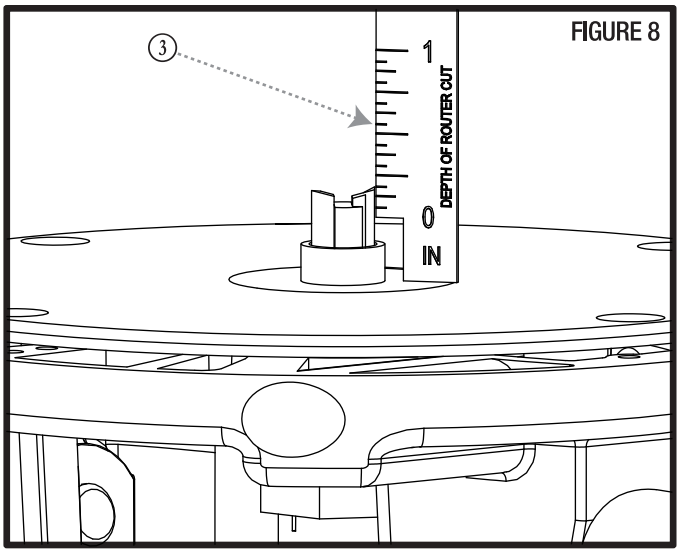


FIGURE 8

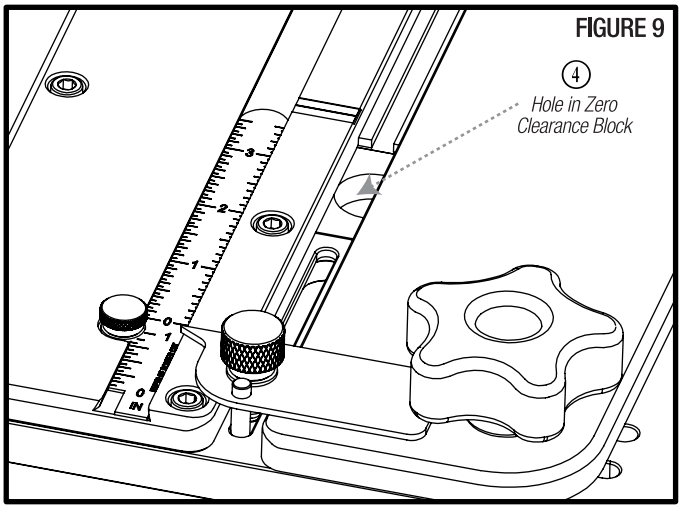


FIGURE 9

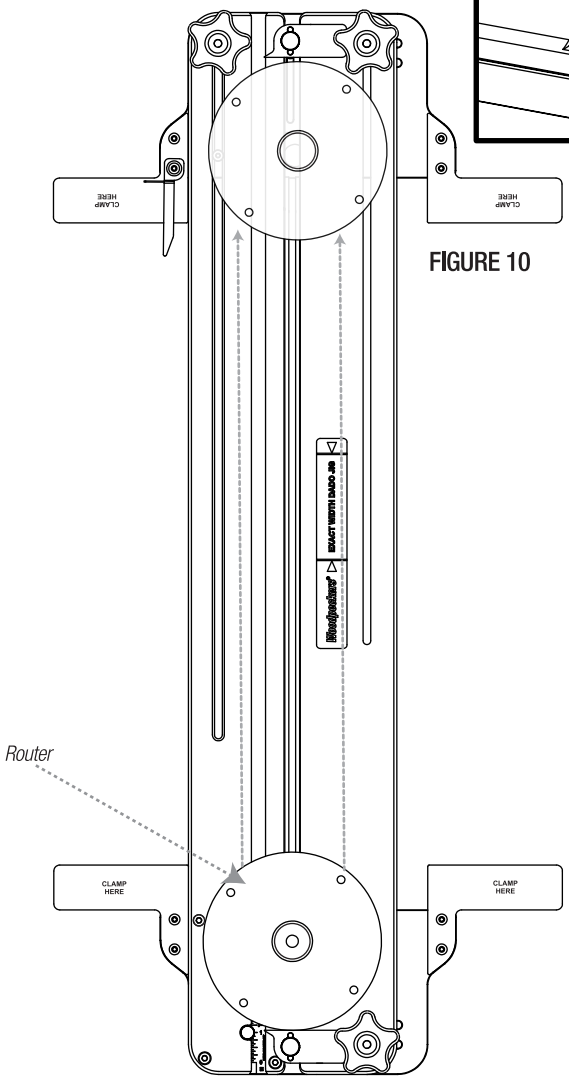


FIGURE 10

USING THE EXACT WIDTH DADO JIG

1. Loosen all Red Knobs and the Thumb Nuts for the Dado Stops.

2. Place the fixed end of the Jig against the edge of your workpiece and align the white Edge Guide with the marked edge of your dado. ***FIGURE 11.***

3. Bring the moveable end of the Jig against the opposite edge of your workpiece, ensure the white Edge Guide is properly aligned to your dado edge. Clamp the Jig in place and secure the Red Knob on the left side. ***FIGURE 12.***

4. Place a piece of the material that will fit into the dado against the left white Edge Guide. Slide the right side of the jig against the material and lock the two Red Knobs on the right side. ***FIGURES 13 & 13A.***

NOTE: It is not necessary to squeeze the right side tightly against the material. The machined groove will ordinarily be a few thousandths of an inch narrower than the setting. Gripping the material too tightly when setting up the jig can lead to a dado that is much too tight. Complete contact along the edge of the white strip on both sides is what you're looking for.

5. For a through dado, make sure the Dado Stops are at their outer limit. For a stopped dado, see the next section on setting the stops.

6. Set your router with the bit in (or over) the opening in the end block and the Guide Bushing against the right edge of the Black Rail. Start your router and keep the Guide Bushing against the right edge while pushing across your workpiece. At the far end, move to the left to bring the guide bushing into contact with the left Black Rail and pull back toward you.

FIGURE 11

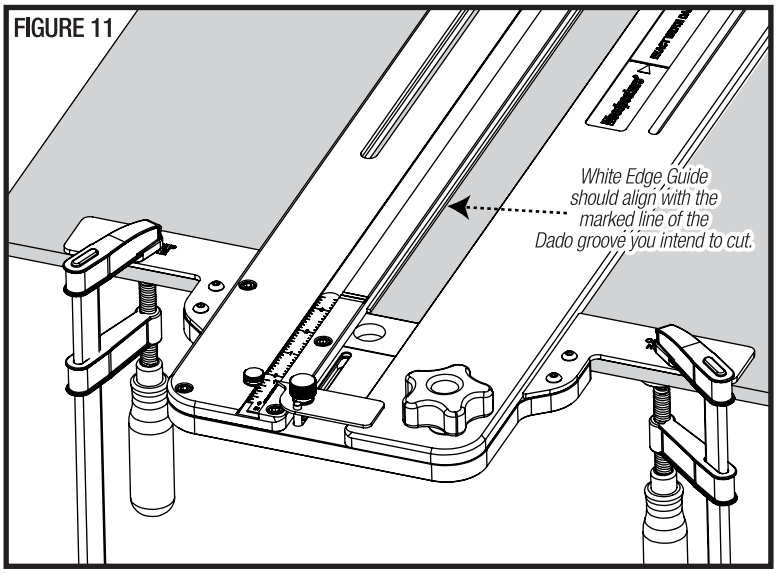


FIGURE 12

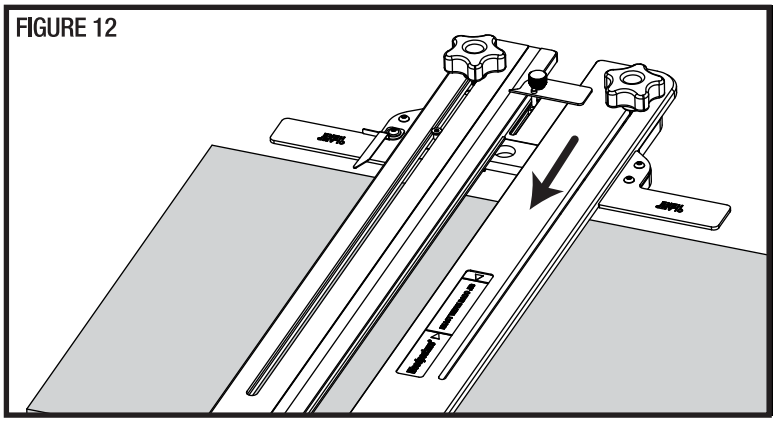
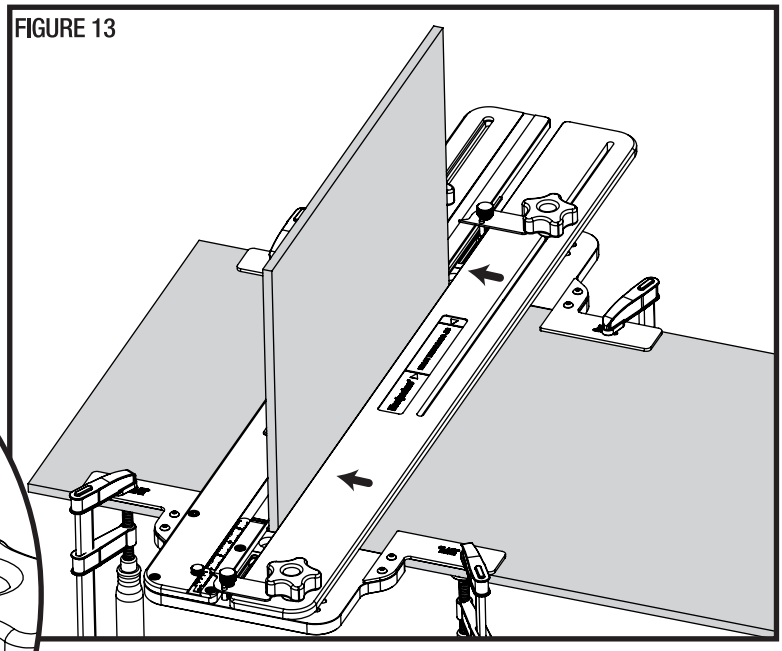
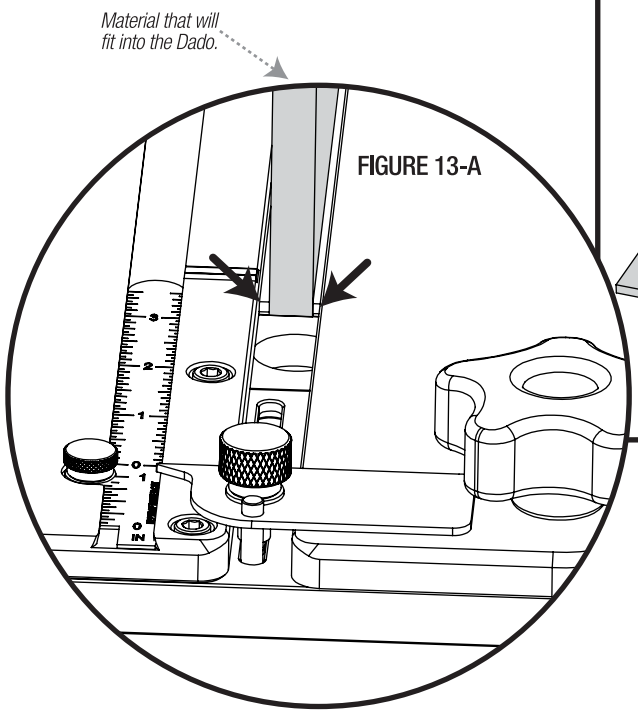


FIGURE 13





SETTING THE DADO STOP

1. Position your router with the bit centered over the edge of your stock at the fixed end of the Jig.

2. Bring the Dado Stop ⑨ against the base of your router.

3. Slide the Scale ③ in its groove until the zero is in line with the pointer on the stop. Lock the Scale in place. ***FIGURE 14.***

4. Move your router out of the way.

5. Move the Dado Stop to the measurement corresponding to the point where you want the Dado to stop away from the edge of your work. ***FIGURE 15.***

NOTE: This procedure will stop the full-width dado at the corresponding measurement. The cut will extend beyond that point with a half circle, typically extending 3/16" in length with a 3/8" diameter arc. If you want to stop the dado at the edge of the cut, rather than the center of the bit, align the edge of the bit to your stock edge in Step 1 of this procedure.

FIGURE 14

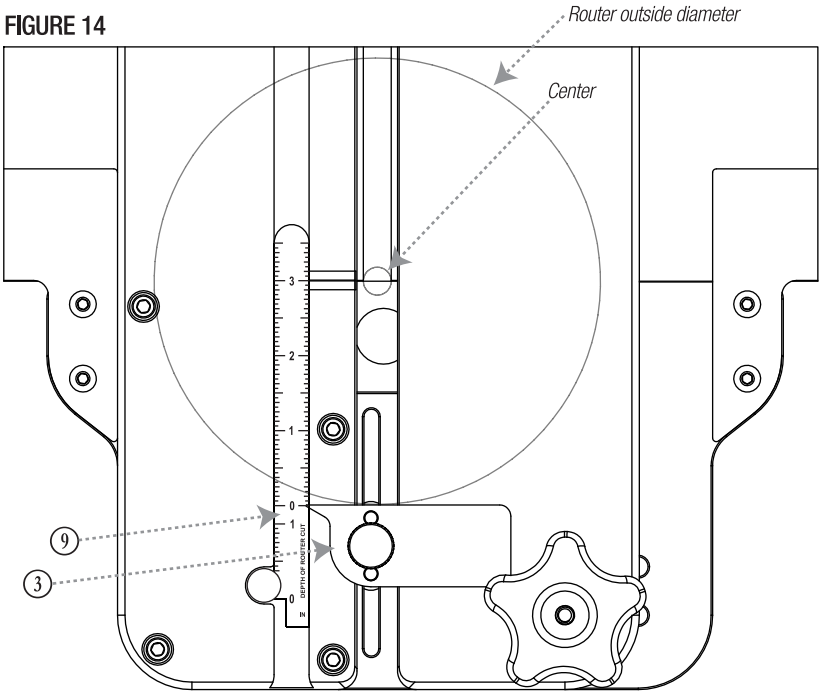
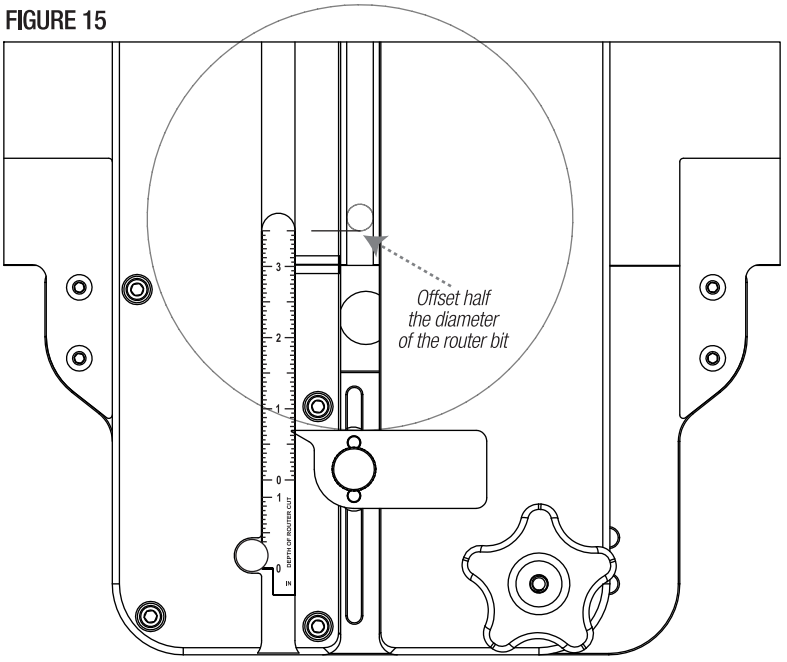


FIGURE 15



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