



**EAGLE**  
AMERICA

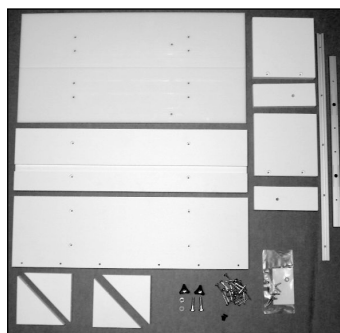
The World's Router Bit and Woodworking Source

#078

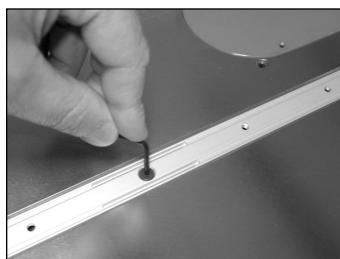
# SPLINE JIG

## COMPONENTS:

- Base Plate (1)
- Wide Bed (1)
- Narrow Bed (1)
- 45° Support Blocks (4)
- Stop Block Base (2)
- Stop Block Face (2)
- 1/4"-20 x 1-1/4" Hex Head Bolt (2)
- Flat Washer 1/4" (2)
- 3 Pt. 1-1/8" Knob 1/4"-20 (2)
- Miter Slider - 18" slider w/screw kit (1)
- #8 x 1-1/4" Coarse Washer-Head Screws (26)
- 1/4" Mini T-Track, 24" Long (1)
- #4 x 5/16" Phillips Flat Head Sheet Metal Screw - Zinc (5)



**STEP 1** Insert 18" miter slider bar into the miter slot of your table saw. Adjust the side-to-side movement by adjusting the tension screws with an Allen wrench. **DO NOT OVER ADJUST.** The miter slider bar should move freely inside your table saws miter slot.



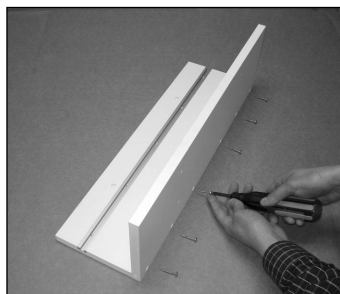
**STEP 2** Attach the 18" miter slider bar to the base plate of the jig using (2) flat head #10-24 x 3/4" flat head screws. Found in the miter slider screw kit.



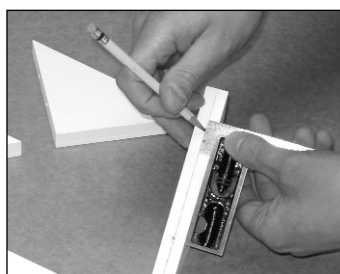
**STEP 3** Secure the 24" T-track into the slot cut into the narrow bed using the #4 x 5/16" flat head screws.



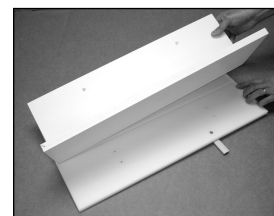
**STEP 4** Lay the narrow bed face on a flat surface. Place the wide bed perpendicular to the narrow bed and secure the two pieces together using the self-tapping 1-1/4" screws. **DO NOT OVER TIGHTEN.**



**STEP 5** Using a pencil and a square, draw a center line down the longest leg of the 45° support blocks. This line will not be seen once the jig is assembled and is used to center the 45° support blocks with the countersunk screw holes in the bed of the jig.



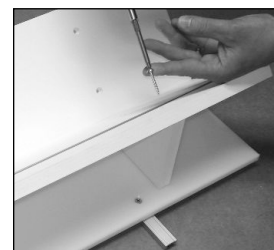
**STEP 6** Set the bed of the jig on the 12" x 24" base plate so that the edge of the bed sits into the 45° notch cut in to the base plate.



**STEP 7** Place one of the 45° support blocks between the bed and base plate of the jig. Use the pencil line you marked on the 45° support block to center it under the counter sunk screw holes in the bed of the jig.



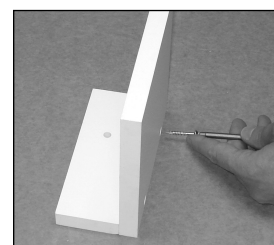
**NOTE:** Make sure there are no gaps between the bed, base plate and 45° support blocks as this can affect the accuracy of the jig. Once in place and centered, secure the support block using the self-tapping 1-1/4" screws. Repeat this step for the remaining support blocks. **DO NOT OVER TIGHTEN.**



**STEP 8** Use the self-tapping 1-1/4" screws to secure the base plate to the bottom of the 45° support blocks. **DO NOT OVER TIGHTEN.**



**STEP 9** On a flat surface, place the stop block base flat of the surface and stand the stop block face perpendicular to the base so that the bolt hole in the base is 1-1/4" from the face. Secure the two pieces using the self-tapping 1-1/4" screws. Repeat this step for the second stop block. **DO NOT OVER TIGHTEN.**



**STEP 10** Use the 1/4"-20 x 1-1/4" bolts, 1/4" washers, and 1/4"-20 3 point knobs to mount the stop blocks to the jig.

