

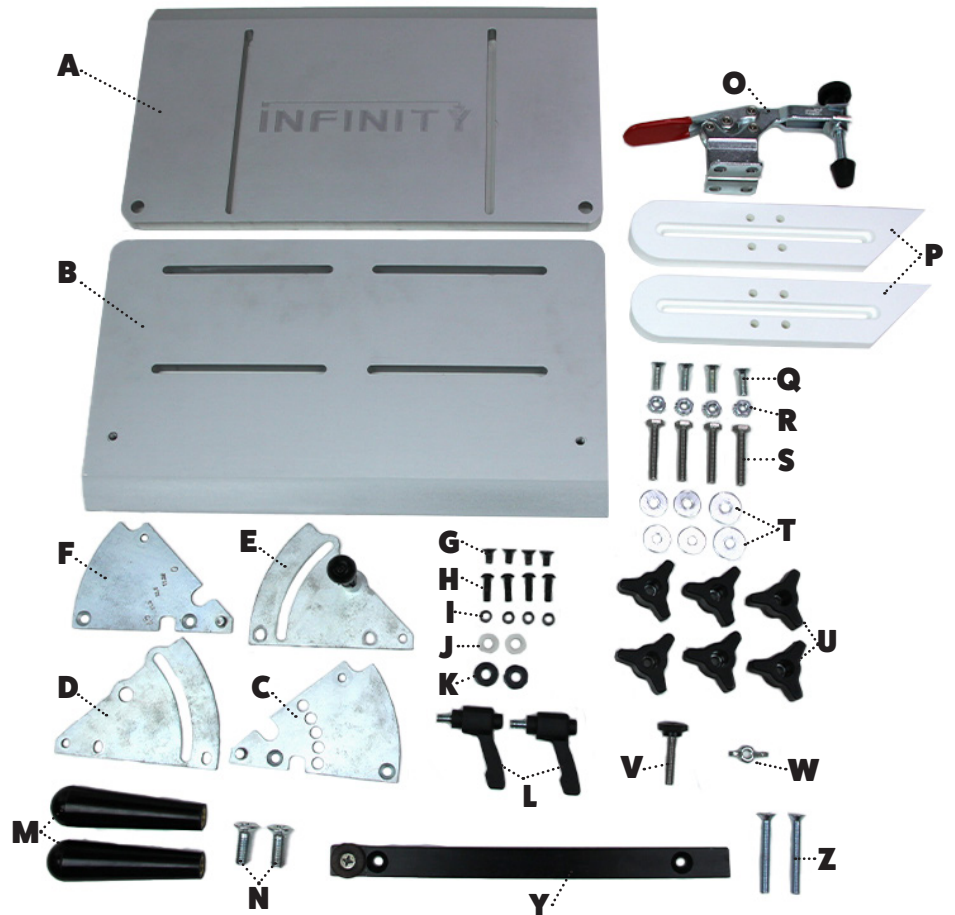
## Infinity Tools Vertical Router Sled

Part # VRS-200

Congratulations on purchasing an Infinity Tools VRS-200, the most robust and versatile routing sled available. Not just for the router table, the VRS-200 is capable of guiding workpieces up to 8-3/4" wide and 1-3/4" thick at the Table Saw, Spindel Shaper, disk sander, and almost any other machine with a standard 3/4" x 3/8" miter track. Adding even more versatility, the face can be adjusted to any angle from 90° to 45° and has positive stops at 11.25°, 22.5°, 33.3°, and 45°. All of this combined make the VRS-200 capable of safely performing operations not possible with any other accessory.

### Parts List

- |                                      |                         |                                      |
|--------------------------------------|-------------------------|--------------------------------------|
| A. Base, 1x                          | U. 1/4-20 Star Knob, 6x | X. Slick Tape Pad, 1x (Not Pictured) |
| B. Vertical Face, 1x                 | V. Adjustable Foot, 1x  | Y. Miter Bar, 1x                     |
| C. Scale Bracket, 1x                 | W. 1/4" 20 Wing Nut, 1x | Z. 1/4-20 x 2" Flat Head Screw, 2x   |
| D. Scale Window Bracket, 1x          |                         |                                      |
| E. Plunger Bracket, 1x               |                         |                                      |
| F. Stop Bracket, 1x                  |                         |                                      |
| G. 3/8" Long Flat Head Screws, 4x    |                         |                                      |
| H. 5/8" Long Pan Head Screws, 4x     |                         |                                      |
| I. 6mm Long Spacer, 4x               |                         |                                      |
| J. Nylon Washers, 2x                 |                         |                                      |
| K. Flat Washers, 2x                  |                         |                                      |
| L. Lever Knob, 2x                    |                         |                                      |
| M. Tall Handle, 2x                   |                         |                                      |
| N. 3/8-16 x 1" Flat Head Screws, 2x  |                         |                                      |
| O. Toggle Clamp, 1x                  |                         |                                      |
| P. Clamping Bar, 2x                  |                         |                                      |
| Q. 1/4-20 x 3/4" Flat Head Screw, 4x |                         |                                      |
| R. 1/4-20 Star Lock Nuts, 4 x        |                         |                                      |
| S. 1/4-20 x 1-1/2" Hex Bolt, 4x      |                         |                                      |
| T. 1/4" Washer, 6x                   |                         |                                      |

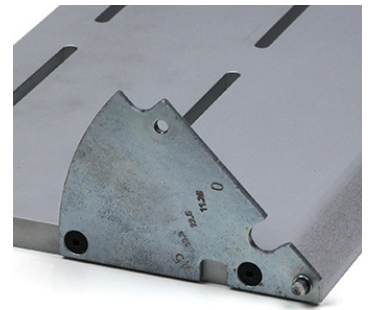


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## Assembly Instructions.

1. Install the Scale Bracket (C) onto the Vertical Face (B) using two 3/8" flat Head screws (G) so that the engraved numbers and pivot pin face out.
2. Install the Stop Bracket (F) onto the Vertical Face (B) using two 3/8" flat Head screws (G) so that the pivot pin face out.
3. Install the Scale Window Bracket (D) onto the Base (A) using two each 5/8" long pan head screws (H) and 6mm long spacer (I). Tighten each screw until snug then loosen two full turns.
4. Install the Plunger Bracket (E) onto the Base (A) using two each 5/8" long pan head screws (H) and 6mm long spacer (I). Tighten each screw until snug then loosen two full turns.
5. Attach the Vertical Face (B) to the Base (A) by aligning the holes in each bracket with the pivot pins and tightening the Pan head screws (H).
6. Install the Nylon Washers (J) between the Pivot Brackets to act as spacers and allow free movement. Install the Lever Knobs (L) and Flat Washers (K) through the slots in the outer brackets and into the threaded holes on the inner brackets, ensuring that the Nylon washer is captured by the knob.
7. Place the Vertical sled assembly on a flat surface such as a table saw table. Adjust the Vertical Face (B) by using a square to confirm proper alignment to the table. If needed loosen the pan head screws (H) just enough to allow the vertical face to be adjusted. Once adjusted retighten the screws to lock the vertical face in position.
8. Install the Tall Handles (M) Using the 3/8-16 x 1" flat head screws (N) onto the corners of the Sled Base (A).
9. Install the toggle clamp (O) onto one of the Clamping Bars (P) Using the 1/4-20 x 3/4" Flat Head screws (Q) and 1/4-20 Star Lock Nuts (R). If using the optional Clamp Kit (PN) Install the second clamp so that the clamp arms will face each other.
10. Install Both Clamping Bars (P) onto the Vertical Face (B) using the 1/4-20 x 1-1/2" Hex Bolt s (S) 1/4" Washer (T) and four of the 1/4-20 Star Knobs (U).
11. If desired Install the Adjustable Foot (V) Into one of the Threade holes on the Vertical Face (B) and install the 1/4-20 Wing Nut (W) to lock the adjustment in place. The adjustable foot is only needed if working with narrow stock and using a fence as a guide. It is not necessary if using the miter bar.
12. Install the adhesive backed Slick Tape Pad (X) onto the Base (A). Before installation ensure that the Base if clean and free of grease and oil.
13. If desired, install the Miter bar (Y) onto the base (A) using the 1/4-20 x 2" Flat Head Screws (Z) 1/4" washers (AA) and two remaining 1/4-20 Star Knobs (U).



Step 1



Step 4



Step 7



Step 9



Step 13

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## Fence Guided Operation

The VRS-200 can be used in conjunction with the fence on many machines like router tables, table saws, and spindle shapers with the vertical face set to 90°.

**Step 1.** Position the clamping bars in your desired location & angle.

**Step 2.** Install your workpiece in-between the clamping bars. Adjust the clamping bars to “pinch” the workpiece and eliminate any side-to-side movement. Adjust and lock the toggler clamp to securely hold the workpiece.

**Step 3.** For narrow workpieces that may rock when riding against the machine fence, install and adjust the adjustable foot in plane with the workpiece to provide a second point of contact with the fence and eliminate rocking.

Your workpiece is now installed and ready to be cut.

## Miter Bar Guided Operation

The Miter Bar allows the VRS-200 to be used on almost any machine with a ¾” x 3/8” miter track. It also allows the VRS to be tilted to any angle from 90° to 45° and has positive stops at 90°, 11.25°, 22.5°, 33.3°, and 45° making it easy to perform complex cutting and shaping operations.

**Step 1.** Position the clamping bars in your desired location & angle.

**Step 2.** Install your workpiece in-between the clamping bars. Adjust the clamping bars to “pinch” the workpiece and eliminate any side-to-side movement. Adjust and lock the toggler clamp to securely hold the workpiece.

**Step 3.** Adjust the Angle of the vertical face by loosening the two lever knobs, retracting the stop plunger, and positioning the face at your desired angle. Reengage the stop plunger if using one of the positive stop positions. Tighten the lever knobs to lock the angle in place.

**Step 4.** Install, position, and adjust the miter bar so that the sled will produce the desired cut.

\*Tip\* Use your rip fence as a setup guide to help position and square the VRS-200 and your workpiece.

A test cut is always recommended to confirm proper setup and no interference between the VRS-200 and blade/cutter.

Your workpiece is now installed and ready to be cut.