



GRR-Ripper Keeper Plans

Micro Jig's GRR-Ripper push blocks are an invaluable accessory in your shop. The safety, accuracy and flexibility they offer cannot be found with any other system. But you accrue none of these benefits if they are tucked in a drawer or cabinet when you need them.

GRR-Ripper owner Russ Alexander sent us photos of a GRR-Ripper Keeper design that he came up with to keep both his push blocks and all their accessories available and close at hand when needed. It is a terrific design and Russ was kind enough to allow us to share his plans with you!



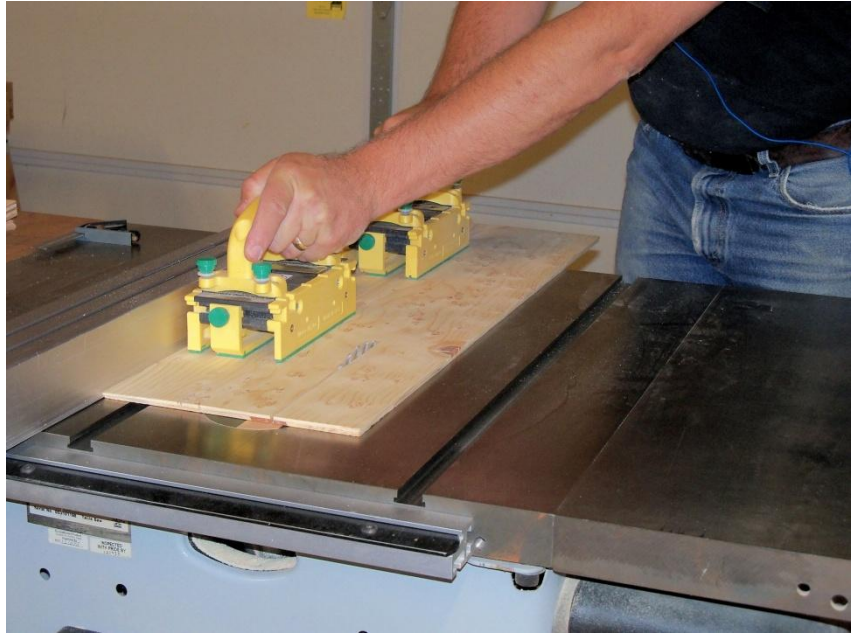
Photo 1 Courtesy of Russ Alexander



Photo 2 Courtesy Russ Alexander

The Keeper features two open top compartments each large enough to hold the accessories for a single GRR-Ripper with mounting cleats on the angled front to hold the GRR-Rippers. Russ's clever design uses a dowel mounted in the outer cleats to create a light friction fit to hold the GRR-Rippers ready for use.

The body of the Keeper is made up of $\frac{1}{4}$ " thick stock, while the cleats and feet are made from $\frac{1}{2}$ ". The Keeper can be made from just about any scrap you have laying around the shop. Since the Keeper will be conspicuously visible, Russ made his from some nice looking leftovers, and we chose to do the same for ours.



Start the build by milling the body parts according to the parts list attached to this plan. Because of the angle of the front, the front edge of the base, and both edges of the front panel need to be beveled at 7 degrees. Note also that the back panel gets a $\frac{1}{16}$ " deep rabbet to locate the base and help keep it flat.

The dividers need to be cut with a 7 degree taper along one long edge. This can be cut with a taper jig or even on the chop saw, but a handsaw is quick and safe when cutting these small parts. Simply mark the top at $2\frac{1}{4}$ " and strike a line to the bottom corner.

Attach the base to the back and add the dividers, one on each end and one along the center line of the Keeper. While that is drying, the slots on the front can be marked out and cut.



The slots are for clearance of the “L” shaped stabilizing leg that comes with the GRR-Ripper. Two $\frac{1}{2}$ ” dia. holes are drilled to form the bottoms, and a square is used to draw the sides of the slots which are then cut with a band saw, scroll saw or hand saw.

It is much easier to assemble the cleats to the front before it is added to the body, so that is the next step. Locate the outer cleats (the ones with the dowel holes in them) 2” in from the sides, and $\frac{1}{2}$ ” down from the top. *(Note: be sure to attach the cleats to the outer face of the front panel so that the bevels on the long edges match the 7 degree angle)*



Glue and clamp or nail them in place. 23 ga. pin nails are perfect for holding them until the glue dries.

The inner cleats are mounted $1 \frac{27}{32}$ " in from the outer cleat. A spacer block cut from scrap makes setting these easy.

The cleats should be $\frac{1}{32}$ " narrower than the distance between the GRR-Ripper legs. Adding the dowel later will adjust the friction fit. These four cleats each get a stop mounted to the bottom that the GRR-Ripper legs sit on, and these can be added now.

Before attaching the front panel, attach the fleet to the base of the body. Locate them so that they will be centered under the GRR-Rippers on the assembled Keeper and flush to the back panel. Adding them now makes it easier to nail or screw them in place.



The completed front panel may now be attached to the rest of the body. All that remains is to finish the Keeper and add the friction fit dowels.



Photo 3 Courtesy of Russ Alexander

Russ's clever design uses gravity (the GRR-Rippers sit on stops and lean back at 7 degrees) and friction to hold the Grippers in place. Rather than try and set the cleats for the friction fit, Russ added a pair of dowels that sit slightly proud of the outer cleats.

This makes adjusting the friction fit very easy. The cleats are narrower than the inside of the GRR-Ripper so only the tip of the dowel needs to be adjusted for fit. The fit should be tight enough to keep the GRR-Rippers from falling off, but light enough so they can be removed with one hand. Cut the dowels oversized, and remove material from the back until you find the fit you want. Then glue them in place.

Optional Mounting: Magnets can be mounted in the bottom of the feet if desired to prevent the Keeper from being tipped over if bumped. For those who want to mount their Keeper to the side of the saw, a couple of rare earth magnets can be mounted in shallow holes drilled into the back panel. To hang it on a wall, simply mill a pair of keyhole slots in the back panel prior to assembly.



Photo 4 Courtesy Russ Alexander

Micro Jig hopes that you enjoy these plans and that they help you be a safer and more versatile woodworker by keeping your GRR-Ripper at hand while you work.

We invite you to share photos and/or video of your work with all our users on our [FaceBook](#) page.

GRR-Ripper Keeper Parts List

Back (1)	6 x 16 x 1/4	<i>Notes: 1/4 x 1/16 rabbet along bottom edge</i>
Front (1)	6 5/64 x 16 x 1/4	<i>Notes: 7 degree bevel top and bottom, slots per layout</i>
Bottom (1)	3 1/32 x 16 x 1/4	<i>Notes: 7 degree bevel along front edge</i>
Dividers (3)	2 31/32 x 5 3/4 x 1/4	<i>Notes: 7 degree taper cut along front edge</i>
Feet (2)	1 x 4.5 x 1/2	<i>Notes: Round over edges, drill bottom for magnets (optional)</i>
Cleats (4)	1 x 4 1/4 x 1/2	<i>Notes: Drill 2 of 4 for friction pegs</i>
Stops (4)	3/4 x 1 x 1/4	
Pegs (2)	3/8 Dia. X 5/16	<i>Notes: Round over one end</i>



