

BRUSSO®

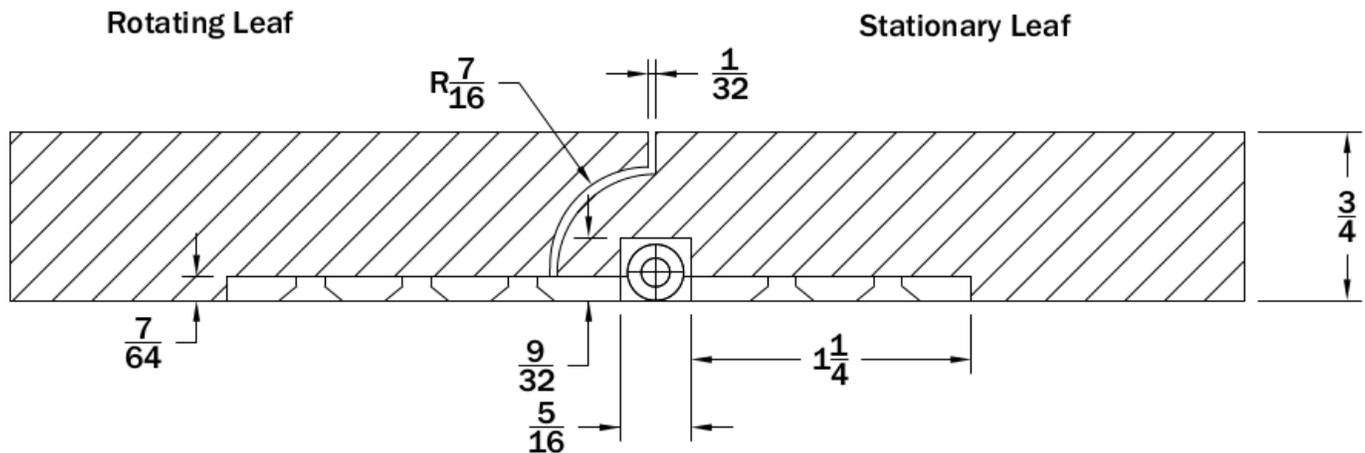
American Made

PRECISION HARDWARE

INSTALLATION INSTRUCTIONS

DROP LEAF HINGES DL-302

The DL-302 drop leaf hinge requires a series of cuts for a proper installation. We **always** recommend you make test cuts in scrap wood before moving on to your final project. Before making the mortise for the hinge we must make sure the Stationary Leaf and the Rotating Leaf of the table are cut properly. In our example we are using 3/4" stock with a radius cut to 7/16" ¹. To prepare the wood we make two cuts with a 7/16 dia router making the cut in the Rotating Leaf offset by 1/32.



Now it is the time to mortise the hinge. The DL-302 has a long and a short leaf. Plan to install the longer hinge leaf into the table's Rotating Leaf and the shorter hinge leaf into the table's Stationary Leaf.

The biggest difference between a drop leaf hinge and a traditional hinge is that the hinge barrel will be housed in a channel that must be cut into the Stationary Leaf. Begin the cut for the channel 1-1/4" from the edge of the shorter leaf. Cut the channel to be 5/16 x 9/32 deep². Next, mark the space for your hinge mortise to match the outer dimensions of the hinge and cut to a depth of 7/64. Unlike other drop leaf hinges these have a flat bottom so you will not need to chisel or taper your mortise.

¹ Smaller stock, different radius sizes, and differing mating shapes are acceptable. However, given the position of our screw holes, 7/16" is the largest router radius that can be used with this hinge. When using different radii or shapes double check your positioning. Make sure that the centerline of your hinge barrel will be in line with the top "flat" of your stationary leaf. More accurately, your hinge barrel and your Stationary Leaf radius should be concentric.

² These are recommended dimensions. Your channel can be a different size or shape so long as the 1/4" ø barrel has room to move freely.