

Bevels of Another Degree

On a recent project, I wanted a 30° chamfer on an edge. However, all I had was a 45° chamfer bit. I didn't want to buy a new bit for what was likely to be a one-time use, so I found a way to make the 45° bit work for me.

The solution was to create a 15° wedge for the base of my router, which put the cut I wanted right at 45°. To ensure a stable base, the wedge has to be wide enough to reach the outside edges of the router (see detail).

To mark the right location for drilling mounting holes on the wedge, I removed the base plate and used it as a template. When you make the cut, be sure to keep the wedge parallel to the edge to ensure an even chamfer.

