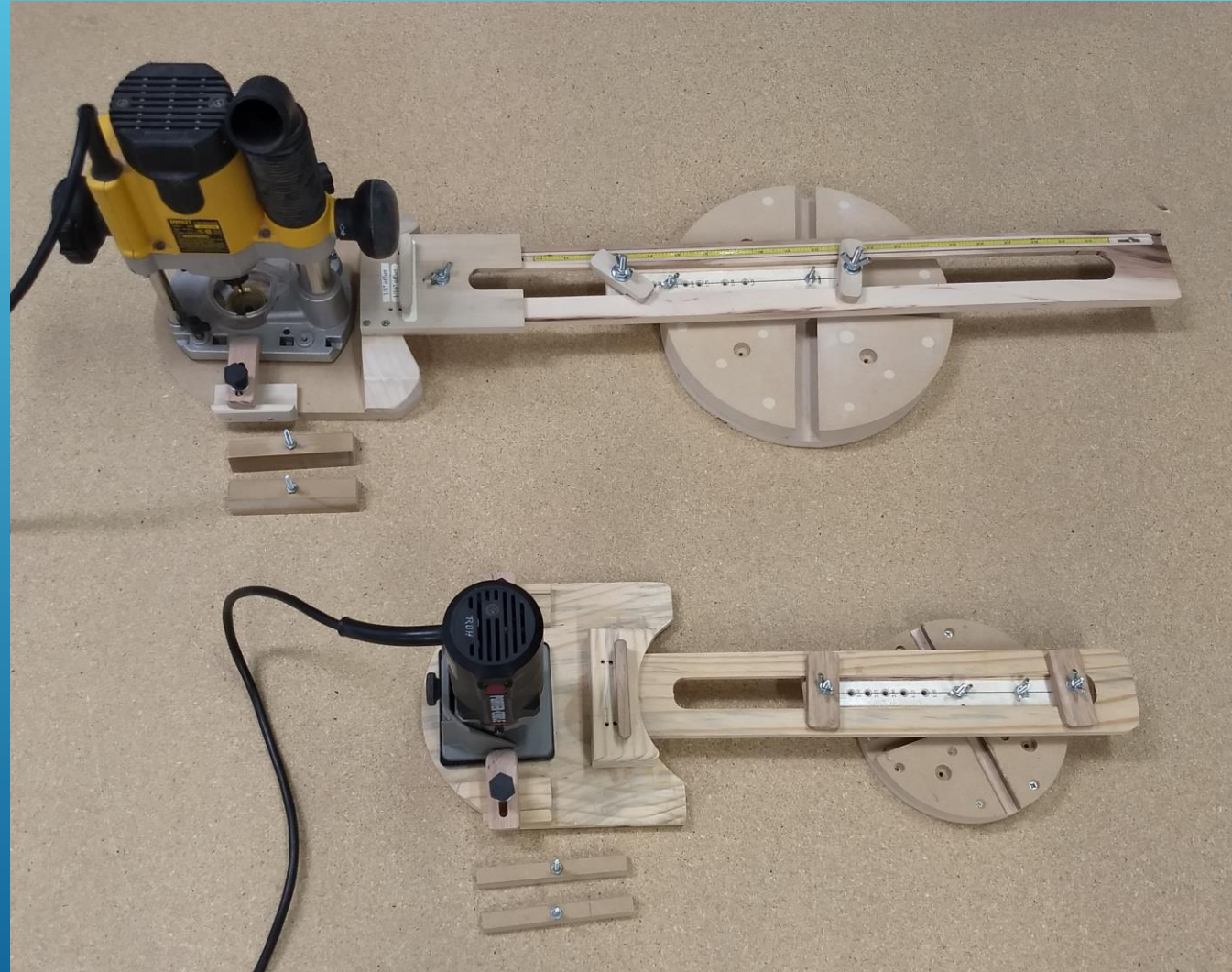


# ELLIPTICAL ROUTER JIG

The background is a blue gradient, transitioning from a lighter blue at the top to a darker blue at the bottom. On the right side, there are several white, parallel lines that appear to be part of a larger graphic element, possibly representing a router bit or a jig component, extending from the top right towards the bottom center.

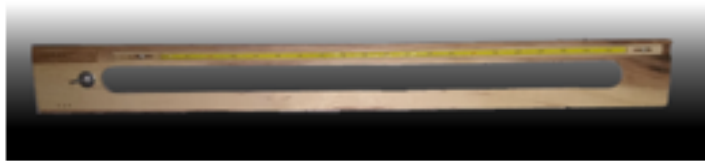
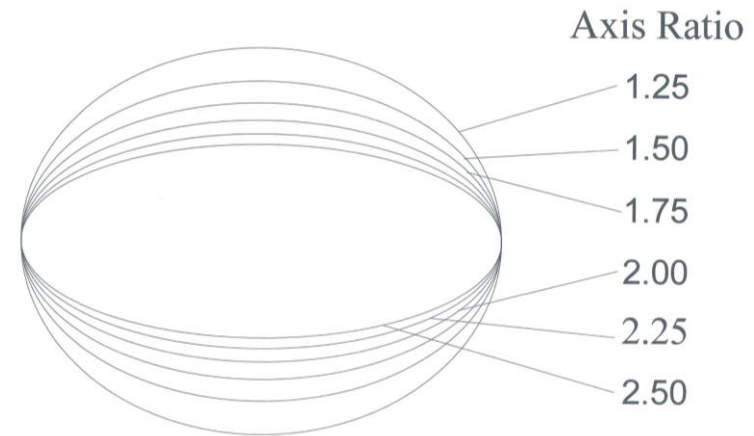
# 2 CLUB JIGS FOR DIFFERENT SIZES ELLIPSES



# BOTH JIGS CAN BE ADJUSTED



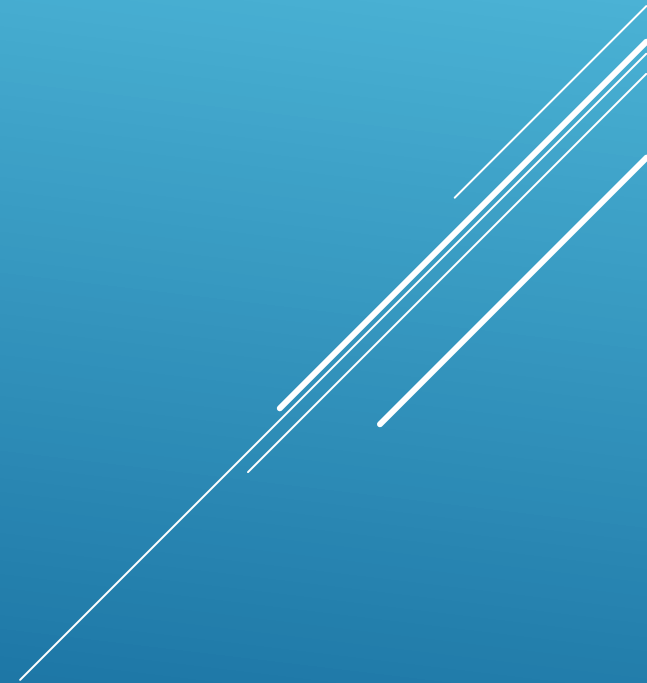
The shape arm that has multiple holes and determines the shape of the ellipse

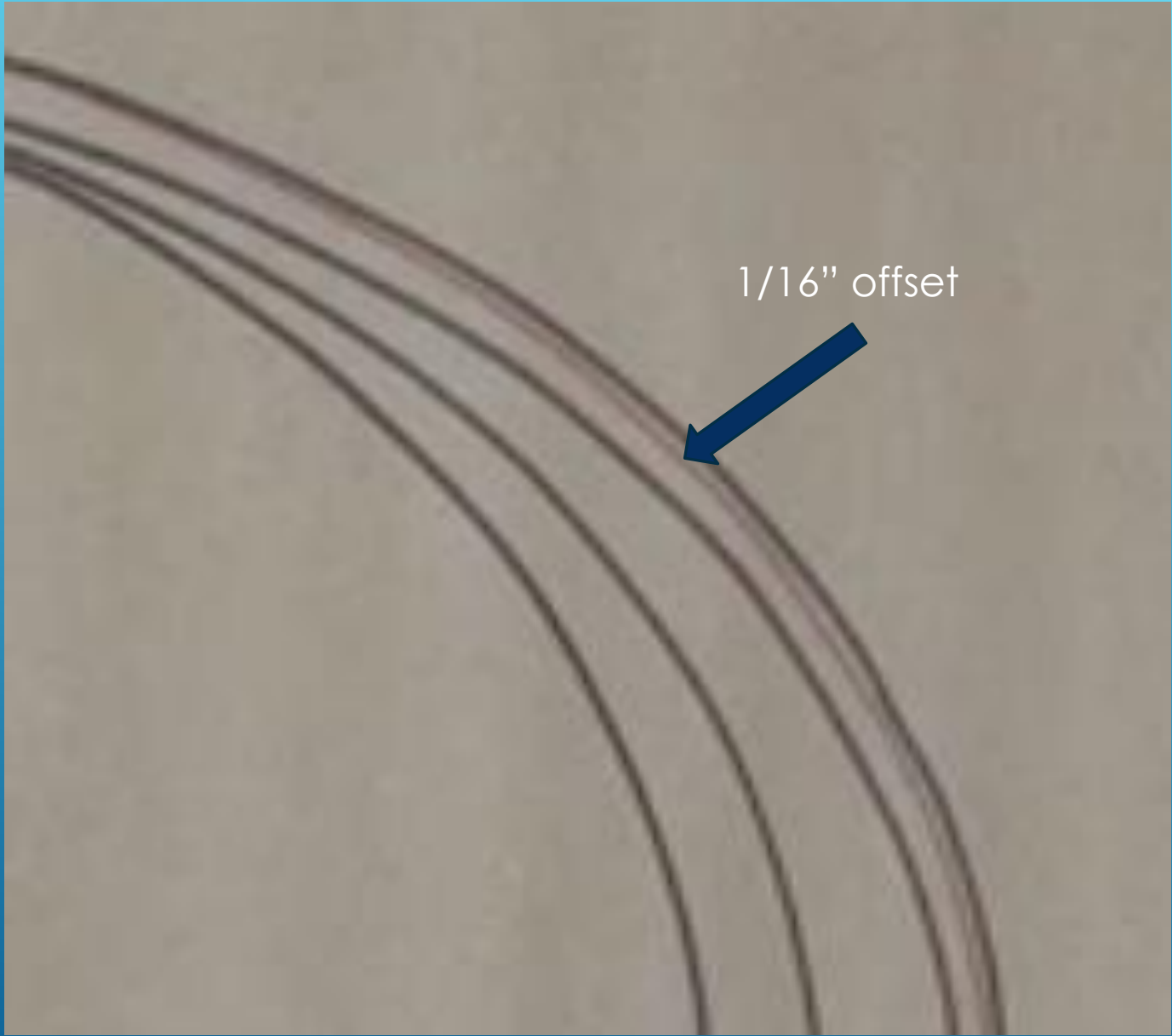


The extension arm which allows different sized ellipses, regardless of the ellipse shape to be routed.

# USING THE JIG

- ▶ **The video that was originally embedded in this presentation will not play within the PDF needed for the website. You can find a YouTube link immediately after this PowerPoint presentation to play it.**





# JIG INSTRUCTIONS FOR SET-UP & USE

## ELLIPTICAL ROUTER JIG

### Instructions:

1. Use the chart (below) to pick the shape of the ellipse you want and note the axis ratio.
2. With one axis bolt in the first (home) hole, place the other axis bolt in the ratio hole you chose.
3. Set the extension arm to half the length of the long axis plus 1/16".
4. Put the 7/8" bushing guide and a 1/2" bit in the router and lock the router into the travel head, making sure the bushing is in the center hole of the travel head.
5. Secure the jig to the workpiece using screws in the predrill holes or with double sided tape.
6. Making incremental shallow passes cut thru the workpiece making sure the piece sits on a sacrificial piece of wood.
7. Clean up the cut, move the travel head in 1/16" by unlock the extension arm from the travel head, pulling out the lock bar and repositioning the bar from the base hole to the 1/16" hole.

### The jig consists of 4 major components:

1. The [base](#), which consists of cross dovetail channels that 2 dovetail pivot blocks ride in.
2. The [shape arm](#) that has multiple holes and determines the shape of the ellipse
3. The [extension arm](#) which allow different sized ellipses, regardless of the ellipse shape to be routed
4. The [travel head](#) that holds the router.
5. The [lock bar](#)

### Jig Setup:

1. Put the pivot blocks (with 1/8" bolts in them) in the [base](#) (one in each dovetail slot).
2. Put the bolt of one of the pivot blocks in the "home hole" in the [shape arm](#) and the other bolt in