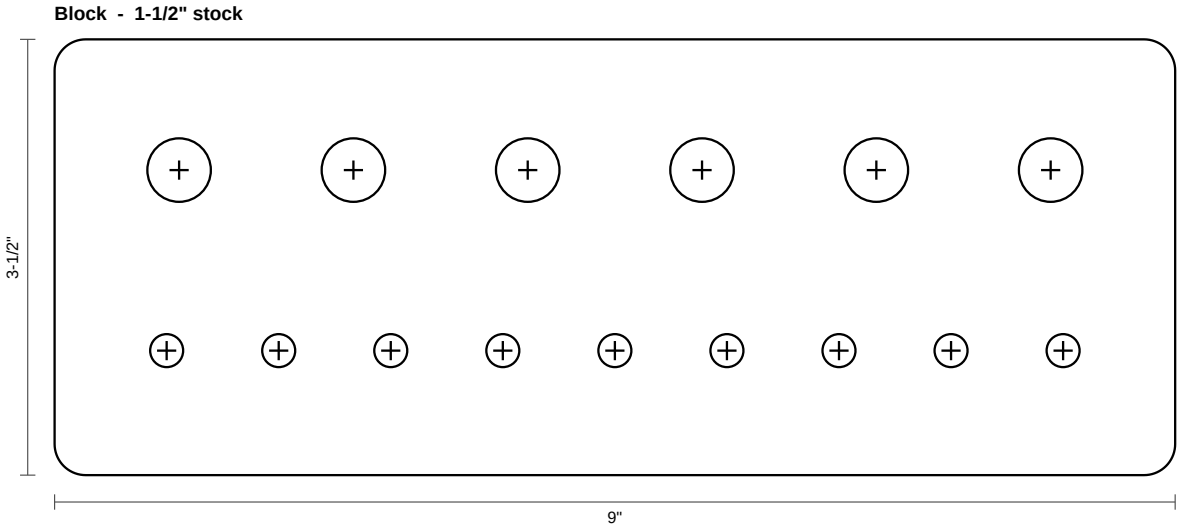
Router Bit Holder

Holds nine 1/4"-shank and six 1/2"-shank router bits upright, 1" deep.



Machine & stock

CNC router. 1/4"-shank holes are 0.265" and 1/2"-shank holes 0.51": a little clearance so bits drop in without sticking.

Holes are 1" deep. Pocket the small ones with a 1/8" end mill and the large ones with a 1/4".

Steps

1. Pocket the holes, then profile with tabs.

2. Chamfer the hole edges lightly with a countersink so shanks find them easily.

3. Optional: V-carve sizes or labels along the front edge in VCarve.

VCarve toolpaths (in this order)

Holes, layer DRILL_0.265_DEPTH_1.000: 0.265" diameter, 1.000" deep. Pocket toolpath with the 1/8" end mill (for an exact fit), or a matching drill.

Holes, layer DRILL_0.510_DEPTH_1.000: 0.510" diameter, 1.000" deep. Pocket toolpath with the 1/4" end mill.

Profile, Outside, layer PROFILE_OUTSIDE_1.500: cut depth 1.500" (through), 1/4" end mill, with tabs.

Files

dxf/router-bit-holder.dxf

Plan view, drawn at about 1:1.5. Grey = pocket (depth noted), dashed = underside pocket, light fill = through cut. Cut files are full size.