



## IMPORTANT FACTS TO REMEMBER ABOUT USING DIAMOND COATED ROUTER BITS

To be effective, bits should be used in a pneumatic router running at a minimum of 35,000 to 50,000 RPM. At these speeds, diamond router bits produces a smooth, nick-free cut in most types of FRP/composites including carbon fiber laminates.

The speed of cut will be determined by the thickness of the material and its composition. Generally, if there is a high percentage of glass in the composite, the router bit will produce a cleaner cut.

A typical pneumatic router (1/3 HP) running at 40,000 RPM should cut a standard 1/4" thick laminate about the same speed as a pneumatic jigsaw using standard carbide tooth blades.



Router Bits

The advantages of using an air router with diamond router bits are:

1. A smoother nick-free cut
2. A substantial saving in router bit coats.
3. A less stressful tool to operate.