



## ELIMINATOR CHUCK 556451

The Eliminator Chuck has been scientifically engineered with a precision machined, close tolerance Cam that grips your 1/2" shank router bits more firmly than the straight setscrews on Shopsmith's earlier model Router Chucks.

This Chuck will "eliminate" bit runout and prevent the bit shank damage that can result from over-tightening the setscrews on our earlier model Router Chucks.

The 5/32" setscrew at the top of the Chuck (the setscrew that's about 3/8" from one end of the Chuck) attaches to the flat of your machine's Quill.

When tightened, the 5/32" capscrew nearest the opposite end of the Chuck presses the contoured curvature of the Cam against the mating curvature of the installed 1/2" shank router bit. As a result, it grips more precisely and firmly than an ordinary setscrew – more like the jaws of a conventional drill chuck or collet chuck.

Make sure that the machine is turned off and unplugged before attaching the chuck.

1. Be certain that the contoured surface of the Cam is aligned with the curvature of the router bit shank before installing the bit.
2. Do not remove the Cam from the Eliminator Chuck Body. There is a tiny rubber pellet in the Cam, used to hold its alignment with the bit, this can be easily lost and very difficult to reinstall.
3. NEVER over-tighten the Cam capscrew.
4. Once the Cam makes contact with the router bit shank, 1/8 of a turn is all that's necessary to hold the router bit securely in the chuck.
5. Depending upon how far you over-tighten the Cam Screw, doing so will damage the shank of your router bit, bend the Cam Screw, and/or destroy the Cam.
6. Make sure when using this chuck that you have your router guard installed and functioning properly.

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For the Full Manual go to:  
[www.shopsmith.com/manuals/eliminator\\_chuck.htm](http://www.shopsmith.com/manuals/eliminator_chuck.htm)

