

## spindle-register-fit-all-lathes

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register bore

What does the opening in the back of the backplate look like?

It ought to have a short, say, approximately 1/4" or so, straight bore that is a bit (.010") bigger than the nominal spindle size.

I'll call this the "register bore". If it's a 2-1/4" spindle, the register bore should measure 2.260". It might be bigger. It must not be smaller, or it won't mate up with the register itself, which is the corresponding short unthreaded section at the base of the spindle nose. The register is spec'ed to be .009" greater than the nominal spindle size, so 2.259" for a 2-1/4" spindle.

Finegrain (Mike)

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You really want 0.0005 to 0.001 interference fit between your back plate register and the inside bore of the chuck.

This should be a snug fit. If your fit the chuck or back plate is loose, you may have a vibration problem or, the chuck will shift on the register and cause run out.

Dennis Turk

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