

Stubby Lathe USA, Inc.
2" Convertible Screw-on
Drive Center
(1 1/4 x 8)
(M33 x 3.5)

The perfect tool for starting medium and large bowls and hollow forms between centers.



- Can be used as a four-blade or two-blade drive.
- Blades are steel and can be removed for regrinding or replacement.
- Center point is steel and is removable for regrinding or replacement..
- Center point extension is adjustable.
- Available in both 1 1/4 x 8 and M33 x 3.5

Stubby Lathe USA, Inc.
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\$100.00 + ship-

more...

The Morse taper in your headstock was never intended to be used for turning bowls – it was designed for spindle turning. Further, the typical 1” Morse taper spur center frequently makes a better Forstner bit than a spur center.

This drive solves both those problems: It screws on the spindle so there is no chance of galling your Morse taper and it gives you a large diameter to spread the driving load across more wood. If you have it properly seated in your blank and it spins, you are doing something terribly wrong.

Some straight talk -- questions and answers:

Q. Why start bowls and hollow forms between centers rather than on a pin chuck, screw chuck, or faceplate?

A. With the other mounting methods, you are pretty much committed to the centering and orientation you started out with. When starting between centers it is easy to adjust your blank at the headstock end, the tailstock end, or both ends to take advantage of the patterns which develop as you turn or to work around defects you uncover. Further, with the other mounting methods you need a flat surface to bed against the face of the chuck or the faceplate. That is not necessary when starting between centers.

Q. What is the drive made from and why?

A. The blades and center point are steel. The body is aluminum. We've decided to use aluminum because some of the machining operations necessary to implement the design would not work well in steel and the price would have to be much higher.

Q. What are the ramifications of the decision to use aluminum.

A. Clearly, you don't want to use a hammer directly on the drive to seat the blades in a blank. Use a piece of wood to spread the hammer blow or use a soft dead-blow hammer or wooden mallet. That will keep the back surface of the drive true. Remember that the back surface seating against the flat behind the spindle is what gives you stability and accuracy, not the thread. This is true for four-jaw chucks as well.

Q. What about using a plastic washer behind the drive?

A. Don't do it. In fact – we don't believe that you should ever do it. The proper mating of the two surfaces is important and the washer compromises that.

Q. So how do I get the drive off the spindle?

A. There is a 3/8” cross-hole drilled in the body of the drive. Lock your spindle. Then use a 3/8” round piece of steel or the back end of an old used-up 3/8” drill bit, insert it into the hole as far as it will go and give it a pop.

Q. What if I screw the drive on the spindle but it bottoms before the back surface beds against the spindle flat?

A. Don't use it! We believe that the thread length inside the drive is sufficient to accept the spindles on all the lathes which we know of. But, if it doesn't fit your machine, call us.

Q. What if I want the drive to slip in the event of a bad catch?

A. Run with the drive belt a little loose.

Q. Why didn't you use an insert so that it would fit multiple spindle sizes?

A. The use of an insert would increase the cost of the drive. We don't see a market for lathes with 1” spindles, and so the only other size of interest is 33 x 3.5 mm. There has been interest so we've built it.

Q. Why is the price \$100.00 rather than \$99.95?

A. We've decided that we don't want to play that stupid game.

Q. So how do I order one?

A. See the next page.

Ordering Information

Most people can order online via our website's "Online Store" which uses Google Checkout for calculating shipping charges and processing credit card payments..

If that doesn't work for you, then please send me an email (bill@stubbylatheusa.com) with the following information:

Name

Address

Phone number

Email address

Billing address for your credit card if it is different from above

Then...

Call me at (314) 606-9366 and give me your name, credit card number and expiration date. If I don't answer, it is safe to use my voice mail for that information.

Keep an eye on our web site for new items.

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