



Dead Center for TableTop Lathes

Purpose of that tool Turning between centers will give you a much sturdier set up. Therefore, this is safer and improves on the precision of your work. In any teaching metal shop, lathe work is strictly done using centers.

Size and product details www.LatheCity.com offers a variety of dead centers, mostly for smaller benchtop lathes. Operation procedures and safety concerns are

identically. Therefore, we have summarized these in a single manual for all dead center versions we offer.

Available are dead centers for UNIMAT, Sherline, Craftsman, and typical China import lathes. Some are Morse Type centers, other versions can be screwed on the tailstock of a lathe or have a pin end to insert into the tailstock. We also offer dead centers with exchangeable high speed or tool steel pins. The

dead centers are not hardened. Some versions are machined from tool steel or stainless steel. Product specifics are given in the actual product specifications. The purpose of this manual is safety and compatibility concerns.

Craftsman vs. Sherline We have had a few Craftsman customers purchasing Sherline accessories: that does NOT work. The accessories are not interchangeable. Both lathes use Morse taper #0 (MT0), MORE OR LESS. The taper angle is the same and obeys the ANSI standard. Therefore, one may call it MT0, but both lathes use reduced length taper. Now, one has two options to reduce a MT0.

Sherline That's a MT0 cut off from the small diameter end. Therefore, you may use ANSI standard MT0 pieces, but would need a hack saw to cut off the small end diameter. Otherwise, the MT0 is too long and won't fit unless you extend the tailstock quill all the way. However, then you can basically not really use the tailstock. All Sherline lathes we have seen so far have the same size tailstock.

Craftsman That's a MT0 cut off from the large diameter end.

Craftsman vs. Dunlap Craftsman 109.0703 lathe is apparently identically with a Dunlap 109.0703 lathe (the .0703 model is the so-called long bed model). However, we have seen Dunlap lathes with totally different tailstocks, perhaps retrofitted at some time. So, no guarantee that our Craftsman accessories will fit on any Dunlap lathe. Contact us in advance.

Safety Notes, Trouble Shooting, and Disclaimer: General safety rules for machine/power tools are in place. For an extended list of safety notes, consult the literature or go to our website. You can download free of charge a safety booklet, which is also typically included (free of charge) for first-time customers. Use protective clothing including, most importantly, safety glasses for metal work. Use accessory for light lathe work on miniatures. Max RPM 2800. Use oil on the pin end of the dead center, but not on the taper end. Dead centers can over heat. In that case

switch off lathe and let dead center and work piece cool down. Do not touch the over-heated parts. **A dead center cannot really be used for wood work, use a life center.** Similarly using it to work on plastics may be problematic. A Morse type adapter may start to rotate in the tailstock. Do not try to stop it with your fingers. Switch off the lathe. Make sure that taper is properly inserted in the tailstock. Make sure that you have the right size of the taper for your lathe. We do not warrant that any accessories can be used for any particular application. **Usage of accessories or damage caused by unprofessional use is at the risk of the customer.** Neither LatheCity nor its owner shall be liable for damage arising from unprofessional use or misuse of LatheCity accessories. Any legal action brought against LatheCity/Uwe Burghaus shall be tried in the State of North Dakota in Fargo, USA. **WARRANTY:** we do not provide any warranty for our products. In no event shall LatheCity's liability exceed the purchase price paid for the product. We shall in no event be liable for death, injuries to persons or property or incidental, contingent, special or consequential damage arising from the use of our products.

Returns in resalable condition accepted within 14 calendar days (eBay sales) or 4 weeks (factory direct) after shipment day, no questions asked. However, we do NOT reimburse shipping costs (e.g. Priority mail ~\$5.20), credit card fees, broker fees, currency exchange fees, taxes, whatever fee, etc. We will charge the respective shipping costs to customers for products that were offered as free shipping when returned. We charge up to \$5 for manuals and booklet that may need to be reprinted. Note that the return rate of LatheCity products is below 1% (see eBay rating).

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