



Watch Makers Life Center for Morse #0 Tailstock Sherline compatible

Purpose of that tool Miniature lathe tailstock live center for model work. Sherline's standard live center has a diameter of an inch or so and is as such too bulky for mostly any work, in our opinion. Therefore, we made a really small and handy one. In contrast to dead centers, live centers don't need cutting oil and rotate with the work piece in order to machine delicate parts.

That one here is compatible with the LatheCity adjustable tailstock center.



Size and details The bearings we use have an outer diameter (O.D.) of only 5/16" and an inner shaft diameter of 1/8". A 1/4" O.D. tool steel pin (60° included angle) is pressed in the bearings. The bearing is pressed in a hex shaped steel arbor that is

taped #10-32 at the other end. A 3/8" T-bolt to mount the life center on the adjustable tailstock center plate is included. (The T slot center plate is NOT included.) The entire life center has a total length of about one inch with largest O.D. of 9/16" (measured over the flat of the hex bar). The life center was tested up to 2800 RPM on a Sherline mini lathe.

Bearings The manufacturer of the bearings provides the following data: "Mini High-Precision Stainless Steel Ball Bearings, ABEC-5, double shielded, 1/8" ID, 5/16" OD, 9/64" width. (ABEC is short for Annular Bearing Engineers Committee. The higher the ABEC number, the less it will deviate from its stated dimensions.) 440C stainless steel is used for high strength and excellent corrosion resistance. Bearing is lubricated. Temperature range is -65° to +250° F. All are quiet-running bearings and can handle radial (perpendicular to the shaft) loads in low-friction applications and at low operating torque. Double-shielded bearings have Type 300 series stainless steel shields that block out dirt." We cannot verify that information from our vendor. What the lifetime of these bearings is: we don't know.

Included: One Morse #0 miniature life center, T-bolt, this manual, and a safety booklet.

Pricing: This is a simple, but smart design, as we believe. Compare the price with, for example, Sherline's bulky version. Our pricing is fair and reasonable, in our opinion.



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 The tool steel pin has an end segment (shaft) with an O.D. of only 1/8" and can break of under heavy (side) loads. Broken bearing may result in the front pin getting stuck in the work piece which can in turn over heat. In that case, switch off the lathe, cool down work piece, and replace cooled down bearing. Side loads a bearing can tolerate are limited. 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 LaheCity'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), 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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