Live Center for UNIMAT SL DB

Purpose of that tool Live center for model work. In contrast to dead centers, live centers don't need cutting oil and rotate with the work piece in order to machine delicate parts as well as wood or plastics. The steel live center has two bearing. The center is tool steel. The live center has a tool steel pin that perfectly slides into the UNIMAT SL DB tailstock.

This design is better than a screw-on type live center since it is much less bulky and has two bearing.

Size and details The bearings we use have an outer diameter (O.D.) of only 5/16" and an inner shaft diameter of 3/16". A 3/16" O.D. tool steel pin is pressed in the bearings. The bearing is mounted in a steel arbor that is long enough to reach over the UNIMAT cross slide. The entire accessory has a total length of ~2.3" with largest O.D. of ½". The tool will extend by about 1.5" beyond the tailstock. The live center was tested up to 2800 RPM on a UNIMAT mini lathe.

Bearings The manufacturer of the bearings provides the following data:

R156ZZ Shielded Ball Bearings, the inner diameter is 3/16", outer diameter is 5/16" and the width is 1/8", each bearing has 2 metal shields to protect the bearing from dust or any possible contamination, also bearings are pre-lubricated with grease.

- Item: R156ZZ Ball Bearings
- Type: Deep Groove Ball Bearings
- Closures: 2 Metal Shields
- Lubrication: Self Lubricated (Grease)
- Dimensions: 3/16" x 5/16" x 1/8" English Size
- Bearing Inner Diameter: 3/16" inch
- Bearing Outer Diameter: 5/16" inch
- Bearing Width: 1/8" inch
- Quantity: 10 Ball Bearings
- Dynamic load rating: 89 LBS
- Static load rating: 32 LBS
- Equal: R156-ZZ &R156-2Z

Included: One live center for UNIMAT SL DB, this manual, and a safety booklet.

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 closing including, most importantly, safety glasses for metal work. Use accessory for light lathe work on miniatures. Max RPM 2800. 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. Note that bearings are not designed to take large side forces. Note also that no life center will be as ridged as a dead center pin. 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).

Uwe Burghaus
(LatheCity)
Fargo, North Dakota, USA
www.LatheCity.com
sales@lathecity.com