



User Guide

Polishing Mandrels

By purchasing these tools, you agree to read and understand the product disclaimer and warnings; followed by using the product as it is intended.

Unboxing

Remove the contents of your package. Read and familiarize yourself with the warnings and disclaimer attached to this guide. Inspect that your mandrels have arrived intact and with no damage before beginning to use.

Polishing

Insert the mandrel to your rotary machine. Lubricate the mandrel with an oil-based lubricant. Charge the mandrel tip with diamond polish (preferred), being careful not to spread excess polish towards you or your workspace. Begin polishing at low speeds and check to ensure the surface is lubricated and cool throughout operation. If you notice the mandrel tip and/or the stone begin to warm wait several minutes both to return to normal temperature, lubricate the tip if necessary, and resume operation on low speeds. The mandrel shanks have a screw tip extending 7.5 mm into the wood points. Keep this in mind as you use your mandrels and consider reshaping them.

Cleaning

Dampen a cloth rag with denatured alcohol or mineral spirits and run the rag parallel with the wood grain of the lap. This should absorb the majority of excess lubricant, polish, and gem material left on the tool.

Reshaping

Please exercise the upmost caution when reshaping your polishing mandrels. Thoroughly clean and remove all polish from the mandrels before attempting to reshape the tools. Only

reshape your tips in a well ventilated area, and we recommend using a shop-vac or dust collector in tandem with your reshaping process. Make sure to wear appropriate personal protection when being exposed to wood dust including but not limited to a dust mask, protective eyewear, and gloves. For minor reshaping and reestablishing edges, we recommend using a wood file to lightly run the mandrel against at low speeds. For significant reshaping, or to reshape tools frequently, we recommend using a small belt sander to develop new polishing surfaces. Wipe away any excess wood dust before using reshaped mandrels.

Reusing the Mandrels

When your mandrel points have worn beyond polishing abilities, you can reuse your mandrels for polishers or sanders. Soak the mandrels in acetone for several hours. Using personal protective gear such as gloves and glasses, gently twist the mandrel counter clockwise from the wood tip. If it is difficult to remove, soak the mandrel for an additional several hours.

Storage

Store your mandrels in a climate controlled space to prevent deterioration. Ensure the mandrels are separated, and kept away from children and pets.

Warnings

The use of personal protective equipment is highly encouraged to prevent adverse effects from using this product. We encourage users to wear an appropriate wood dust mask, protective gloves designed for woodworking, protective eyewear, and take other safety precautions while using this product. Learn more about specific wood allergies and toxicity by following the link below:

<https://www.wood-database.com/wood-articles/wood-allergies-and-toxicity/>

Drilling, sawing, sanding, or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood. California Health and Safety Code Section 25249.6.

This product can expose you to chemicals including Lead, Lead Compounds, Nickel, which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to www.P65Warnings.co.gov.

Hazard Control:

Avoid breathing excessive levels of wood dust. Saw, sand or machine wood products using adequate ventilation. Wear gloves to reduce skin contact. Wear eye protection when sawing, sanding or machining the product. Avoid dust contact with ignition source. Sweep or vacuum dust for recovery or disposal.

Fire Hazard: Wood and wood dust are combustible. Avoid open flames and other sources of ignition.

Health Hazard: Inhalation of wood dust may increase the risk of upper respiratory tract disease including allergic respiratory effects, eyes and skin irritation. Skin contact may cause dermatitis. The United Nations International Agency for Research on Cancer (IARC) has classified wood dust as a nasal carcinogen in humans.

First Aid: Eye contact: If wood dust and/or fibers make contact with your eyes flush your eyes with large amounts of water. If irritation persists or allergic response occurs, seek medical attention. Skin contact: Prolonged and repeated contact with skin: use proper personal hygiene and wash with soap and water. Get medical advice if rash or persistent irritation occurs. Inhalation: If wood dust is inhaled remove to fresh air. Get medical advice if persistent irritation, severe coughing, or breathing difficulty occurs.

Choking Hazard: Small Parts. Not for children under 5 years.

Splintering Hazard: Wood splinters are hazardous and can cause bodily harm. Use caution and appropriate protective equipment such as gloves to avoid physical harm from splintering when using this product.