

DIAMOND RIPPLEBIT™ GRINDING HEAD

User Instructions

This diamond grinding head is used to thin and make a more uniform edge on textured, uneven, and thicker glasses, like rippled, granite texture, and hand rolled glasses. This makes them easier to fit into lead or metal came or to foil and then produce a smoother bead when soldering. There are two positions you can use the RippleBit in. This Inland grinding head fits all machines with a standard 3/16" (7.92 mm) motor shaft.

Safety

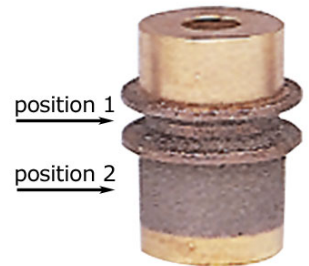
- It is extremely important to wear proper eye protection. We highly recommend that you wear safety goggles rather than safety glasses. You can also use the Inland [FaceShield™](#) or [MagnaShield™](#) in conjunction with proper eye wear for added protection. **NOTE:** A shield alone is not adequate eye protection.
- DO NOT wear loose clothing or any accessories (long necklaces, bracelets, shirts with long fringes, and similar) that might get caught by the grinder head while it on your machine.

Installation and Use

1. It is always a good idea to apply a lubricant such as Inland [Motor Shaft Lubricant](#) to the motor shaft whenever installing or changing heads. This helps prevent the head from seizing on the shaft and keeps ground glass and other debris from getting down into the motor.
2. Loosen the set screw using the allen wrench provided by turning it counterclockwise.
3. Slide the head onto the shaft so that the set screw sits over the flat side of the motor shaft. Do not force! It should slide on easily. Contact [customer service](#) at 1-800-521-8428, ext. 306 if you have problems.

POSITION 1: GRINDING IN THE GROOVE BETWEEN RINGS

1. Lower the head down until the groove is above the work surface. The upper surface of bottom lip should sit just even or slightly below the work surface. Secure in place by turning the set screw clockwise with the allen wrench. **IMPORTANT:** Always secure the head to the flat side of the motor shaft. Tightening the head to the rounded side can scar the shaft and prevent head removal!
2. You can test to make sure the head is in the right position by sliding a regular piece of 1/8" glass across the work surface and into the groove. It should slide easily into the groove's space without running into either the top or bottom lip.
3. Adjust the coolant feed sponge if needed. You may find you need to supply additional coolant due to the shape of this grinding head. You can do this by holding a second wet sponge against the head.
4. Turn on the machine and slowly feed the edge of the material you want to thin into the groove. You can remove as much or as little of the texture as needed. The farther into the groove you work, the wider the edge created. We suggest you match the ground edge width to the foil or came you are using so that it will be covered and create a cleaner, more finished look.



POSITION 2: GRINDING BELOW THE BOTTOM RING

1. Lower the head down until the underside of the bottom ring is the desired height above the work surface. Secure in place by turning the set screw clockwise with the allen wrench. **IMPORTANT:** Always secure the head to the flat side of the motor shaft. Tightening the head to the rounded side can scar the shaft and prevent head removal!
2. You can make sure the head is in the right position. With the machine off, place a piece of scrap material flat on the work surface and touching the diamond ring to verify the amount of material that will be removed. Adjust accordingly.
3. Adjust the coolant feed sponge if needed. You may find you need to supply additional coolant due to the shape of this grinding head. You can do this by holding a second wet sponge against the head.
4. Turn on the machine and slowly feed the edge of the material you want into the bit. The farther under the ring you work, the wider the ground edge. We suggest you match the ground edge width to the foil or came you are using so that it will be covered and create a cleaner, more finished look.



Helpful Tips

- If a white powder forms around the head as you grind, check both your sponge placement and the coolant level in the reservoir. If you are using a drilling head check to make sure your sponge is loaded with coolant and you are holding against both the diamond surface and your material.
- Always tighten heads to the flat side of the motor shaft. Tightening to the round side can scar the shaft and prevent the head from being removed.
- Remove the grinding heads from your machine if you are not using it for long periods.
- You can use Inland [DiamondCoolant](#)[™] to help increase grinding efficiency and prolong life of your diamond grinding and drilling heads.

Service

If you have any questions or comments regarding the use of this or any Inland product please call Inland Customer Service at 1-800-521-8428 9 AM to 5 PM EST, email us at helpdesk@inlandcraft.com, or write us at:

**Inland Craft Products, Co.
32052 Edward Dr.
Madison Heights, MI 48071**