



GREENTEETH® SHARPENING SUGGESTIONS

Your Greenteeth® can be sharpened quite easily. It is important that you only sharpen the dished carbide face of the tooth – not the side edge of the tooth. If you sharpen the side edge of the tooth it will decrease the diameter of the tooth and this will lead to poor stump cutting and premature wear of the pockets.

Building a sharpening machine for Greenteeth® is quite simple; it takes just a few components and a little time. The components you will need are detailed below.

- A. ½" (13mm) Drill Press.
- B. 1/2 h.p. (0.37kw) bench grinder.
- C. ¾" (19mm) piece of plywood.
- D. Drill chuck in the drill press
- E. Dead Weight. (Approximately 1 kg or so.)
- F. 4" (100mm) Diamond wheel with 1/4" (6mm) thickness – we sell these wheels if need be.

**WARNING!! SHARPENING CARBIDE CAN BE HAZARDOUS TO YOUR HEALTH.
PLEASE CLICK HERE FOR A MATERIAL SAFETY DATA SHEET BEFORE SHARPENING.
YOU MUST USE APPROVED BREATHING APPARATUS AND EYE PROTECTION WHEN
SHARPENING ANY TUNGSTEN CARBIDE STUMP TEETH.** [Greenteeth datasheet.pdf](#)

1. Cut a piece of ¾" plywood so that it is larger than the base of the bench grinder.
2. Mount the bench grinder to the plywood.
3. Mount the plywood to the drill press table.
4. Mount a diamond wheel or wheels on the bench grinder and tighten it or them down.
5. Swivel the table so the drill press chuck is centred over the diamond wheel. Remember to leave enough room between the wheel and the chuck for tooth removal and installation. Tighten the drill press table down.
6. Find a dead weight weighing about one kilogram and tie a rope to it. Tie the other end of the rope to one of the drill press handles. To increase or decrease down pressure on the tooth simply move the rope in or out on the handle.
7. With the machines shut off and not running lower the chucked tooth onto the diamond wheel. Check that you are happy the tooth is tight in the chuck and centred with the wheel and performs as it should.
8. If you are happy that everything is tight and performing as it should start the drill press and bench grinder and let the machines run for approx one minute before you lower the tooth onto the bench grinder.
9. If everything is running well go ahead and sharpen your first tooth. Let the 1kg dead weight act as the gentle down pressure needed to sharpen the tooth against the diamond wheel. Do not pull down too hard on the drill handle; be gentle. At this point you will want to keep a pretty close eye on things to get a fundamental understanding of how the machines work and how long it takes to sharpen the teeth. Usually light pressure for approx one minute will be enough to sharpen a tooth.
10. Remember - it is better to give your Greenteeth® a light sharpen more often than it is to let them get badly rounded and blunt before sharpening - you will get more tooth life this way, and faster and smoother stump cutting.
11. Now, if you have an understanding of how the machines are running go ahead and sharpen your teeth. If you have any questions at all contact us via email or by phone and we will do our best to help you out.
12. Greenteeth® and Bandit Tree Equipment are not responsible for injuries regarding use or misuse of above tools and machines. If you are unsure of the operation or function of these sharpening suggestions do not build or use this sharpening device. THINK SAFETY AT ALL TIMES!

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