

Carbide Magic Negative Rake Pen Genie™

For your Safety

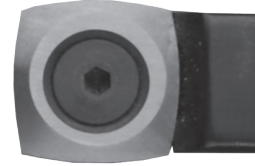
- Read this guide before using Carbide Magic Chisels
- Set tool rest height to align top of cutter on center
- Read and understand your lathe's owners manual
- Secure work piece properly
- Use the right tool for the job
- Do not force the tool, give it time to cut
- Do not use chisels with a dull cutter edge
- Wear safe clothing and eye protection

Replacement Negative Rake Cutter

- #LXCM2600NR (#Ci2 R2 NR) for #LXCMRNR and #LXCMR Pen Genie Chisels, Patent #D902698



Made in the USA
for Penn State Industries
By - Easy Wood Tools



GETTING STARTED WITH NEGATIVE RAKE CARBIDE MAGIC TOOLS

This tool is used unlike any other turning tool you may have ever used. This revolutionary new way to turn is likely the easiest possible method to turn. Negative rake patented design is less aggressive, prevents chipping, chattering and blowouts on difficult to turn, ultra hard wood, plastics & alternative materials. But you must observe some basic tool use principles to make your time at the lathe as safe and productive as possible.

When you first begin using your tool, set the height of your tool rest so the top of your cutter is at the workpiece center. This is easily accomplished by using the point of a drive center in your headstock spindle for reference. Once the tool rest height has been determined, you can use a hose clamp on your tool rest post to keep it set at the proper height. When dull, rotate the cutter to a new sharp edge.

Start with tool flat on tool rest – Start turning from center of your blank. Place your front thumb on top of the tool bar and apply downward pressure. (Other grip styles, such as an overhand grip, will likely cause the tool to rotate from the tool rest as you tighten your grip.) Even a very slight rotation of the tool from flat to below level reduces performance & safety. Turn at a speed around 2500 RPM. Travel the tool slowly along the blank for the best cut quality. If you find the tool to be unstable during a cut – STOP cutting and reposition the tool flat on the tool rest by relaxing your handle grip and applying firm front thumb pressure. Make light cuts as you proceed slowly along the length of your blank. For best results pre-round the corners of the blank so cutter will not catch. If chipping occurs use a skew chisel to level the surface.

NOTE: Keep tool parallel to the floor

SCREW MAINTENANCE

A) Clean out the hex socket of the screw to the point you can see the bottom of the socket before inserting hex wrench. This allows the wrench to make full contact with the screw and will prevent you from stripping out the hex socket. It is best to use a small pick to loosen the dust in the hex and then compressed air to blow it out. We often use the tip of a paper clip and a can of keyboard cleaner at our demos.

B) Do not over tighten the screw – Just grip the short end of the hex wrench to lightly hand tighten the screw. This will provide adequate force to secure your cutter. Excessive torque is not required to hold your cutter firmly in place. The design of the tool will hold the cutter with minimal wrench torque.

C) Lightly grease your cutter screw threads – Each time you replace a cutter, use the new screw provided and lightly grease the screw threads. (Any machine grease will do)