

Crank-Type Chainsaw Sharpener

Just turn the hand crank on the Timberline Sharpener, and the carbide cutter does the rest. The machined body clamps onto any bar by tightening two hand knobs, which lock it into position. Once in place, the chain can be pulled freely through to quickly sharpen each tooth. The tool acts as a jig to ensure every tooth is sharpened to the same height, length, and angle.

As a chain gets shorter from sharpening, the tool has an adjustable stop to push the chain into the carbide cutter. This makes it easy to be very precise and only shave a few .001's off of each tooth. The main body has two guide holes to match left and right teeth. It's recommended to sharpen one side of the chain completely before starting the other side as the rear adjustable stop may be to be tightened or loosened in order to shave off the same amount.

FARM SHOW ordered a Timberline

Sharpener and put it to the test with a well-worn chain. Before it was sharpened, the chain on my older Stihl 029 was so dull it took 30 sec. to crawl through a 10-in green ash log.

Setup was fast and easy. Once the billet aluminum body was in place and balanced level on the bar, sharpening went quickly. Fine filings made it clear the carbide cutter was doing its job. After sharpening, cutting that same log took just 10 sec.

The universal body accepts 4 sizes of available carbide cutters which all have a 1/4" diameter shank. A single set screw on the crank handle makes changing cutters easy.

The Timberline Sharpener comes with your choice of carbide cutter for \$124.95. Additional carbides are available for \$20 in sizes 5/32", 3/16", 13/64", 7/32". The tool is set to sharpen at 30° which is the most universal angle, but accessory angle guides



Timberline's crank-type chainsaw sharpener comes with a carbide cutter that rides the bar. The operator pulls the chain through to sharpen each tooth.

(\$10) allow 25° and 35° sharpening for different hardness of wood.

To see how the sharpener works, visit www.farmshow.com

Contact: FARM SHOW Followup, Timberline Sharpener, 2300 N. Yellowstone, Idaho Falls, ID 83401 (208)405-2020 Order online- www.TimberlineSharpener.com

Reader Inquiry No. 74

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P/N 6000 machine shop package, complete with deluxe mill and lathe, tools and accessories, sells for \$2,400.

Metal Working Tools, Information

There is a lot of interest in new mini-lathes and mills, but making precision replacement parts out of metal is not an easy task. It takes good equipment, a willingness to experiment and good information.

Sherline Products is owned by Joe Martin, who is a skilled metalworker himself, so he understands the needs of the home shop machinist. Martin and Sherline provide the detailed information needed by beginners and experts alike in addition to selling a complete line of American-made benchtop metalworking tools. Even inexpensive CNC systems are now offered for the home shop.

The company hosts a huge and highly informative web site at www.sherline.com, offering not only information on their product line but also practical machining information that can be applied to tools of any size or brand. Mr. Martin has written a book called *Tabletop Machining*, which is a practical guide to the "real world" of metalworking in the home shop. For more information, contact: Sherline Products, 3235 Executive Ridge, Vista, CA 92081 or phone (800) 541-0735. Secure orders can be placed online at www.sherlinedirect.com. A 48-page color catalog can be downloaded at www.sherline.com/catalog8.pdf.

Reader Inquiry No. 75