

Unplug the saw before making any adjustments!



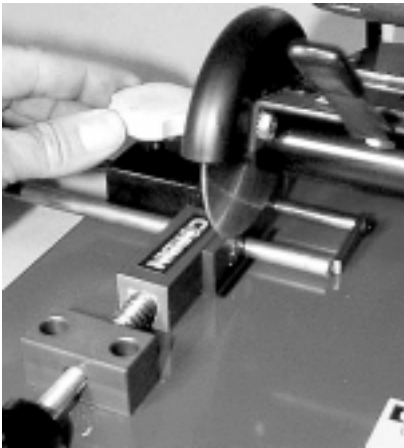
Set the length of tube to be cut off by positioning the stop. Lock the stop with the large grey knob. Do not over-tighten. If you wish to use the vise as a guide only, adjust it so that you can just slide the tubing between the jaw and the back stop with no side play.

Loosen the vise clamp, and insert a length of tubing to the stop. Set the vise clamp so the tubing is held snugly by spring pressure but can be moved forward without loosening the clamp.

Plug in and turn on the saw. Gently lower the saw blade so it cuts through the tube. Let the saw do the work (forcing it only clogs the teeth and breaks the belt).



The cut piece is usually flicked out by the passing saw teeth, so you can set up a box to act as a catcher. Never reach in to clear a cut piece without first turning off the saw! The back legs of the saw are longer than the front legs, so that the saw sits at an angle to allow cut pieces to roll forward.

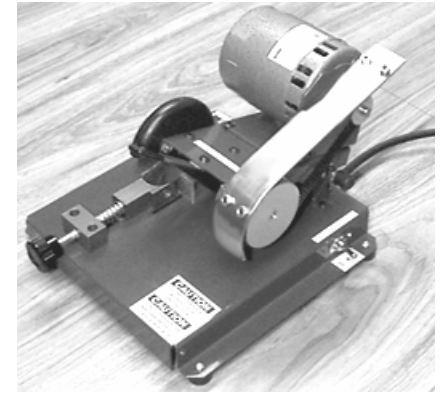


CORBIN™

Tubing Cutter Saw

Cat.No. SAW-1

Cut precise lengths of copper tubing for bullet jackets. The saw features adjustable length stop, spring-loaded clamp vise, and gear/belt-drive system for smooth, clean cuts.



Important: The saw blade is held on by a left-hand screw. It is removed in the opposite direction from a normal screw. Use only a hardened, aircraft grade screw and make sure it is securely fastened. To remove the blade easily, unplug the saw, unbolt the pivot screw and remove the motor assembly from the base.

Never touch the blade or put your hands near the drive pulleys when the unit is plugged into power! Always wear eye protection when using this tool.

The saw blade is made for cutting non-ferrous metals like copper and aluminum. Do not attempt to cut steel rod or tubing. The blade will have longer life if you use a mist coolant to spray the sides or the contact against the work piece. Appropriate mist coolant systems are available from most machine tool supply companies.

The belts and blade will last longer if the operator feeds the saw gently into the work, and lets the saw clear its own path rather than forcing it through the cut. The belt may be broken if the operator applies excessive force in attempting to make the saw cut faster. Use the vise as a guide or as a clamp to hold tubing from 1/8 inch OD up to a maximum of 5/8 inch OD. Up to 2.5-inch long pieces can be cut from the end of the tubing. For longer pieces, use the SAW-2 which can cut in the middle of a tube of unrestricted length.

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Motor Specifications: 115 volt 60Hz 2.9 Amps 1/5-HP 10,000 rpm
Spindle: Ball bearing, belt drive
Saw arbor: 1/4-inch (.250)
Saw diameter: 3-inch by .032 thick
Net weight: 9 lbs
Tubing capacity: 1/8 to 5/8 in.diam
Tubing wall: Up to .050-in