

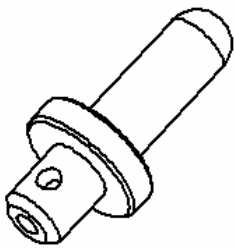
Thank you for purchasing the OMW Sensitive Tapping Kit. I hope you enjoy using it as much as I enjoyed making it. With a little care, this tool should give you many years of service. Please read the instructions below to take full advantage of your new Tapping Kit. And let me know if you have comments or questions. I can be reached via email at JHKO@AOL.COM, or at OMW Corporation (21 Pamaron Way, Ste. G., Novato, CA 94949).

Best Regards,

*Joe Osborn
President, OMW Corporation.*

Instructions for Using the OMW Sensitive Tapping Kit

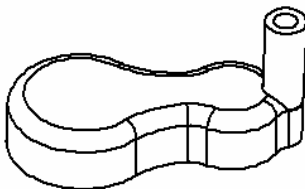
Background



The OMW Sensitive Tapping Wrench

The OMW Sensitive Tapping Kit was inspired by my efforts to tap very small holes in soft material, such as brass and plastic. I found standard tapping wrenches to be far too large and lacking in the sensitive “feel” needed to keep from stripping the hole. Initially, I actually wrapped tape around the tap itself and turned the tap between my fingers. Searching for a better technique led to my design of the Sensitive Tapping Kit. I hope that you will enjoy it.

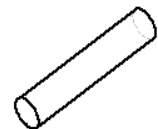
Using the Sensitive Tapping Kit



Tap Guide



Tap Extension



Wrench Guide Rod

The Sensitive Tapping Kit is composed of four parts. The Wrench, which is used to hold the taps; the Tap Guide, which is used to hold the tap straight to the hole; the Tap Extension, which extends the reach of the Wrench; and the Wrench Guide Rod, which allows the Wrench to be held straight in a lathe, mill or drill press.

(OVER)

The Wrench and Guide Rod

The Wrench will hold standard taps from 0-80 to 6-32, which all have the same shank diameter. The tap goes in the end of the Wrench with the set-screw. Note that the hole in the Wrench is broached square internally, so that if you push the tap firmly into the hole, the square end will sit in the broached pocket without rotating. The set-screw is used only to keep the tap from falling out, not to keep it from rotating. The smooth small diameter of the Wrench is turned between your fingers, giving you an excellent “feel” of the cutting process. If you need more torque, use the larger diameter knurled ring.

The Guide Rod can be placed into the 3/16 hole in the rear of the wrench. This is useful for using the tool in a lathe, mill or drill press. Grip the extruding end of the Rod in the lathe tailstock chuck, mill drill chuck or collet, or drill press chuck. **DO NOT TURN THE POWER ON.** Now you can guide the Wrench **BY HAND** into work held in the lathe chuck or on the table of the drill press or mill. The Guide Rod will keep the tap perfectly oriented to the hole.

The Tap Extension

The Tap Extension is designed for difficult-to-reach holes. Fit your tap into the end of the Extension with the set-screw. The other end of the Extension fits into the wrench itself, and the wrench’s set-screw is tightened on the flat of the extension’s small rod.

The Tap Guide

Many broken taps result because the taps are not started straight to the hole. The Tap Guide is designed to solve this problem. Make sure that the Guide is resting flat against your work surface, put your tap in your tap wrench, and guide it through the hole in the Guide tube and into the tap-drilled hole in your work. After the tap is started straight, you may remove the Guide and finish the hole without it, if desired. Note that the Guide is designed to index against the shank of the tap, not against the threads themselves.

The bottom of the guide has a small “V” groove. This allows you to place the Guide on small round stock when tapping cross-holes.

IMPORTANT NOTE: The Guide is purposely designed with fairly close clearance between the tap shank and the hole. If your tap has raised lettering on its shank, you may have to grind or sand the burr caused by the lettering down slightly so that the tap will fit the hole in the Guide.

OMW Corporation
21 Pamaron Way, Ste. G.
Novato, CA 94949
© 2001 OMW Corporation
WWW.OMWMETAL.COM