Skiprat's Triple Start Threading

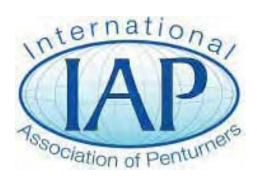
a collaboration by:

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This tutorial was downloaded from

http://www.penturners.org

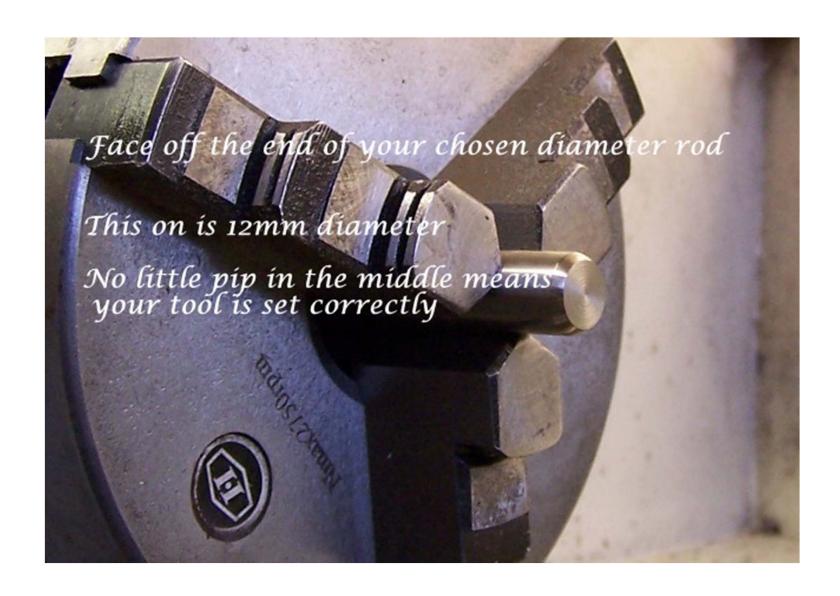
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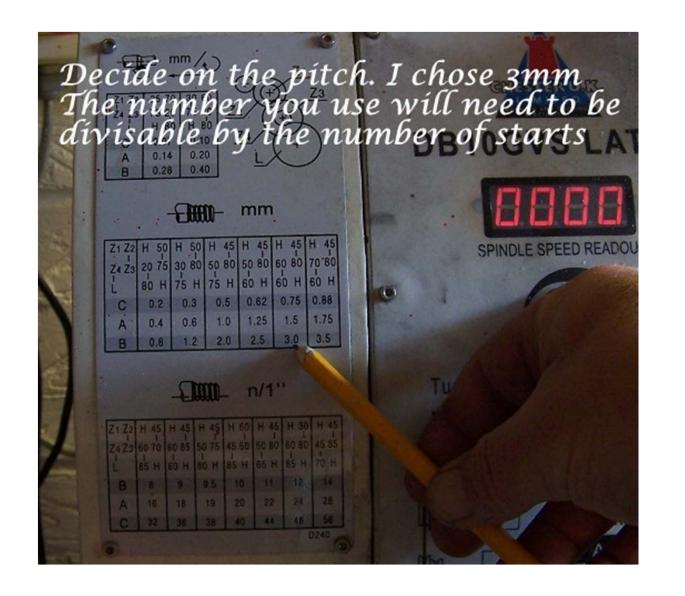
Skiprat's 3 Start Threading

Here is a method of making 3 start threaded parts for your capped pens.



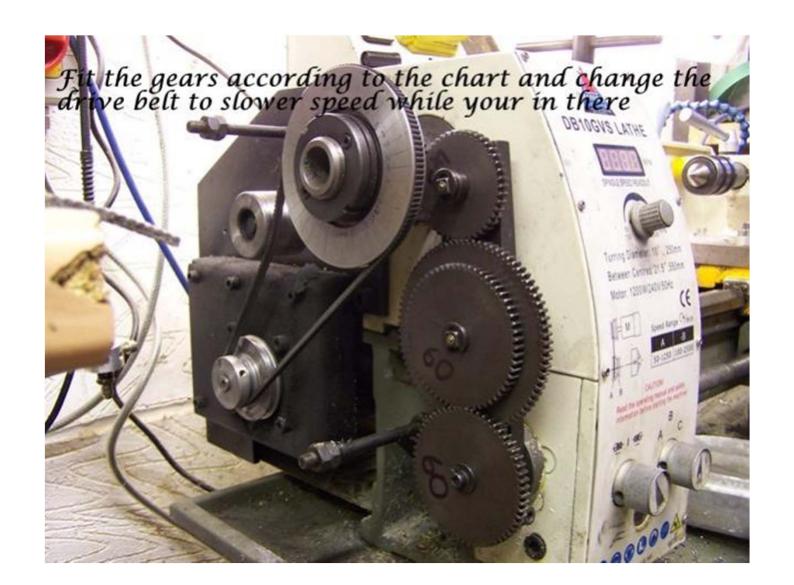




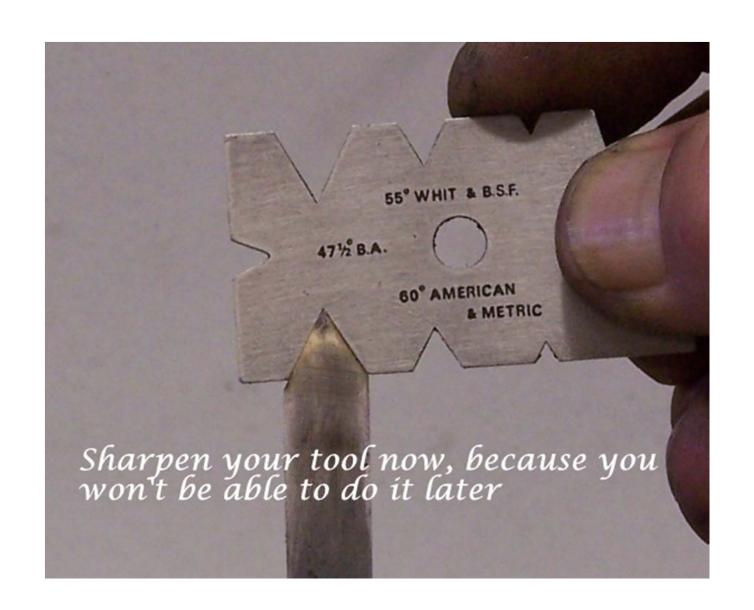


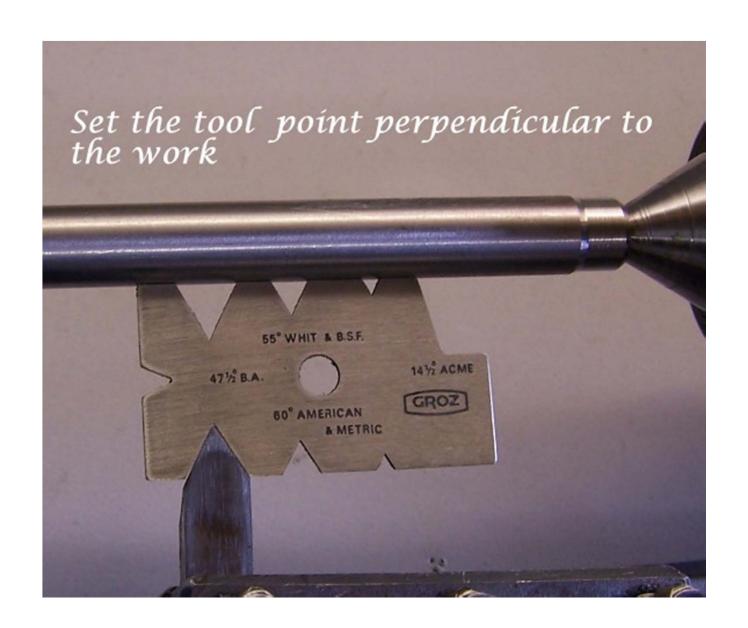


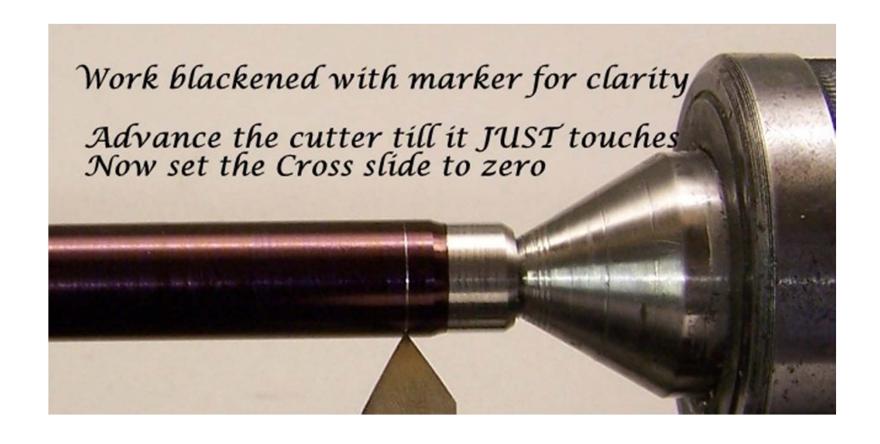










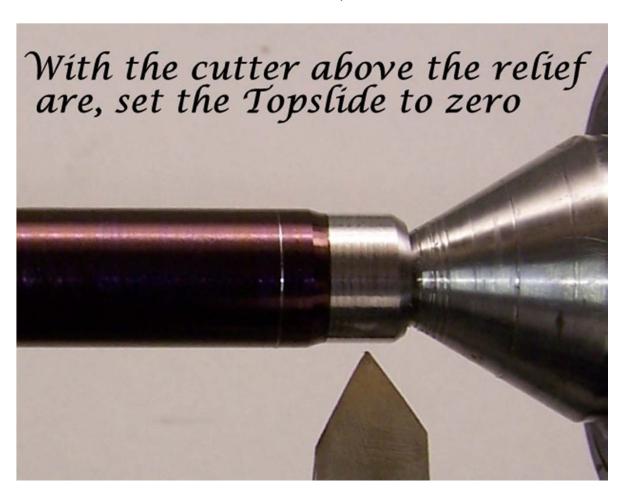




When you have done the first 'scratch' cut, back off the cross slide, then reverse the carriage till the cutter is back above the relief area near the tailstock. Now set the Top Slide to zero. Now put the Cross slide back to the zero that you have already set.

I did each thread with two passes, first at 0.5mm then at 1.0mm. Remember to back off the Cross slide before reversing the machine back to the beginning.

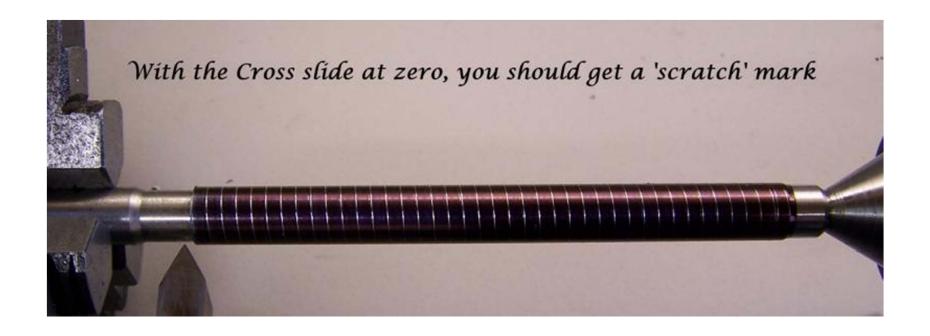
Also remember to switch the machine from reverse to forward!!! Or you will crash and burn!!!













When the first thread is complete, and you have reversed the machine back to the beginning, simply advance the Top Slide by 1mm. To make the second thread just repeat the steps you did for the first thread.

When the second thread is complete, and you have reversed the machine back to the beginning, advance again the Top Slide by 1mm. To make the third thread just repeat the steps you did for the first and second threads.

When the third thread is complete, and you have reversed the machine back to the beginning......You're Done!

Things to remember are:

- •Don't forget to back off the cross slide before reversing.
- •Don't forget to switch back to forward before cutting.
- •Don't lose your zero points.
- •NEVER disengage the Half -Nuts till the job is complete.

These instructions are for a manual change gearbox and a metric lathe doing metric cuts but the principle should work on any lathe.

My next little pictorial will show how to use this threaded rod to make pen parts and to make a tap for the cap threads.

