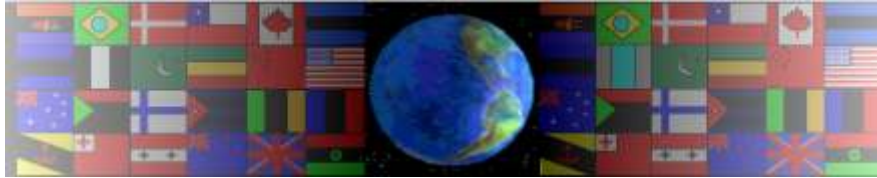


# THE CENTRE LATHE

V.Ryan © 2000 - 2009

On behalf of The World Association of Technology Teachers

## W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website ([www.technologystudent.com](http://www.technologystudent.com)) before attempting the design sheet .

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# HOW TO USE A KNURLING TOOL

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1. What is knurling? Include in your answer a description of a typical practical need for knurling.

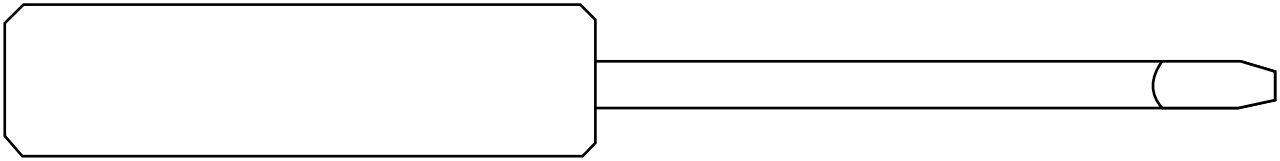
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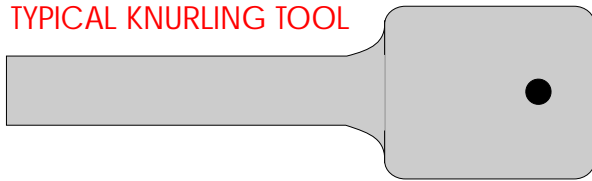
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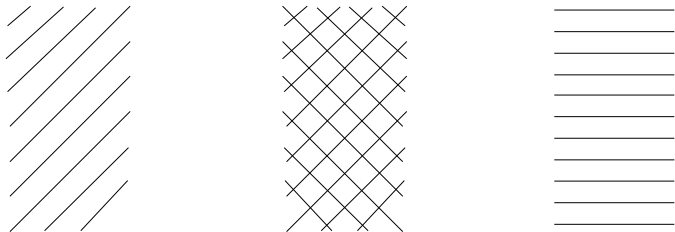
2. A simple screw driver is shown below. Draw on the handle a typical pattern produced when using a knurling tool.



TYPICAL KNURLING TOOL



3. The incomplete drawing of a typical knurling tool is drawn opposite. This type of tool allows different patterns to be applied to the material secured on the lathe. Complete the drawing.



4. Three examples of knurling patterns are seen opposite. Name each pattern.

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5. In the space below, describe how the knurling tool is set up on the lathe and then used to produce a knurled pattern, on round section steel / aluminium. Use a diagram(s) to help complete your answer.

DIAGRAM(S)

NOTES

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