

## Turning Cubes on the Lathe - Colin Wise

by Webmaster - Saturday, February 28, 2015

<http://www.sawg.org.nz/turning-cubes-on-the-lathe-colin-wise/>



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Report by Pat Clay

Start off by turning a cylinder. Ensure that the sides are parallel. For this exercise the cylinder was turned to 92mm diameter. Using Pythagoras, the side of the edge of the cube can be calculated, in this case 65mm.



Make the end of the cube dead square.

Using the parting tool, mark the length of the cube (65mm) from the flat edge.

Using the index mark 4 lines down the length of the cylinder. Care must be taken to compensate for the backlash in the index. These lines will be the centre of each face. Mark the middle of each line.



Cut off the cylinder and mount between centres on two of the index lines. The sides nearest the tail-stock and chuck can then be faced, again ensuring that they remain straight. Mount the work between centres on the remaining two index lines and face the remaining edges.



More complex is cutting equal holes in each side of the cube. This is known as a turners cube.

