



## Crank-Top Mill (CTM) Assembly Guide - New Version

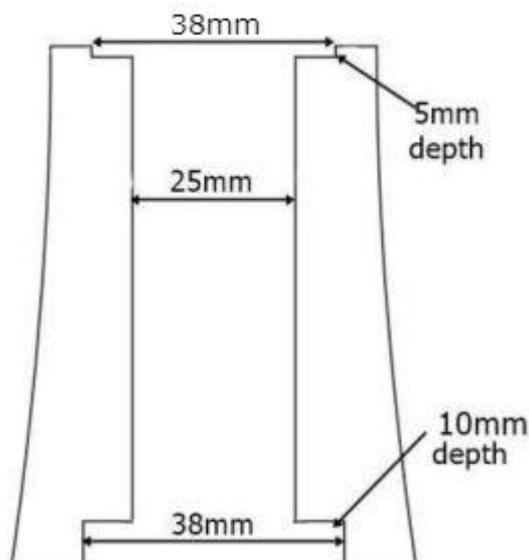
Please read this guide fully before starting your project – and please note that we try to offer guides and kits that use the minimum of equipment – we do not sell bushings or jam chucks for this kit as we consider them unnecessary.

The instructions below are intended for the following kits: **WT\_CTM100-B, WT\_CTM200-B, WT\_CTM127-C and WT\_CTM216-C.**

The WTTech CTM Crank-Top Mill kit is suitable for both flat woodwork and woodturning. Preparation and assembly will vary depending on the equipment to be used.

We recommend the use of 25mm and 38mm Forstner or flat wood drill bits (not supplied) – these are common sized bits and will prove invaluable for many other mill kits. When using Forstner bits always ensure you drill the larger holes first and reduce size as each step will leave a centre mark for the following drill.

The top countersunk hole requires a 38mm aperture, this can be done either with the correct drill or by use of lathe tools



The blank drilling size requirements are detailed below, if you are turning on a lathe you may require a larger blank to enable holding in a chuck:

For the CTM100-B kit use at least an 97mm length blank.

For the CTM200-B kit use at least a 197mm length blank.

For the CTM127-C kit use at least a 124mm length blank.

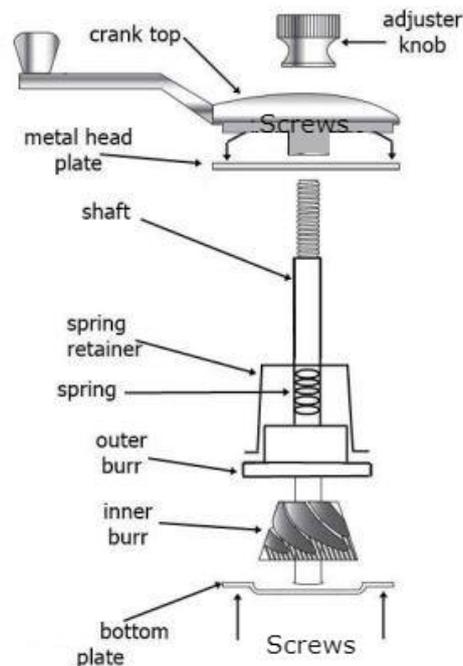
For the CTM216-C kit use at least a 213mm length blank.

**Allow extra for trimming & finishing.**

**Always check sizing by test fitting before finishing the project.**

Make sure that you allow 5mm at the top (metal head plate) and 10mm at the base (bottom plate). The measurement at the top (5mm) should be somewhat accurate as you will be required to fasten the top metal head plate with screws. The 10mm at the foot of the mill may vary in accordance to your creativity. Allow more if you want the mill to be taller.

The mill should be assembled as in the diagram below.



Ensure you drill adequate pilot holes for the screws, failure to do so may cause screws to break, we recommend 1.5mm pilot holes and the use of a PH1 head screwdriver. Do NOT use Pozi drive / PZ screwdrivers

For ease of assembly we recommend fitting the shaft and all the bottom components first which secures most of the kit in place and makes fitting the head plate easier.

DO NOT fully tighten the adjuster knob and force the handle or you may damage the grinder burrs. If you are making a pair for salt & pepper try using different coloured woods or marking your blank to differentiate between the contents.

Finally, we hope you enjoy the kit and as long as handled carefully & correctly if you make an error

it can be dis-assembled and re-used in another blank.