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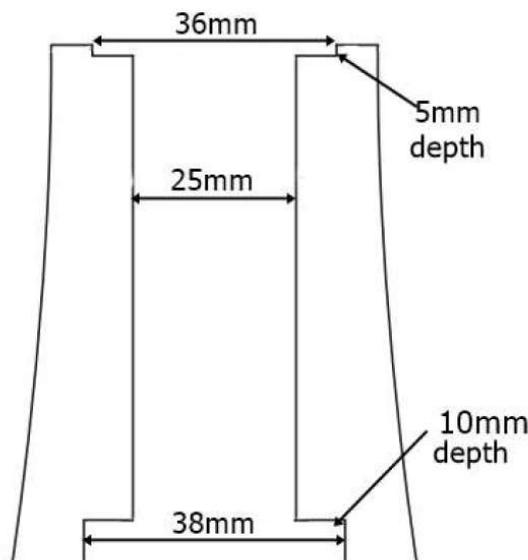## Crank-top Mill/Grinder Fitting / Assembly Guide CTM 4" 6" & 8"

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 Prokraft 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 36mm aperture, this can be done either with the correct drill or by use of lathe tools
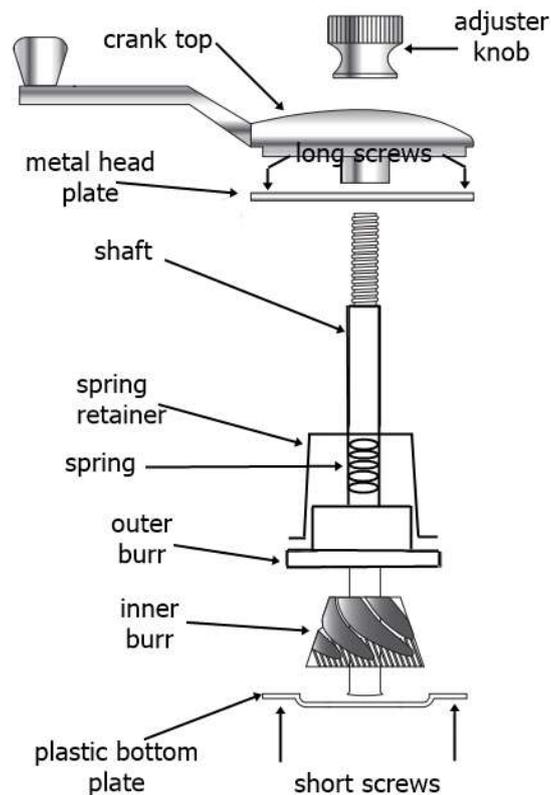
The blank drilling size requirements are detailed below, if you are turning on a lathe you may require a larger blank to enable holding in a chuck. For the 4" kit use an 95mm length blank, for the 6" kit use a 145mm length blank and for the 8" kit use a 200mm blank. Allow extra for trimming & finshing & check sizing by test fitting before finishing the project.

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.