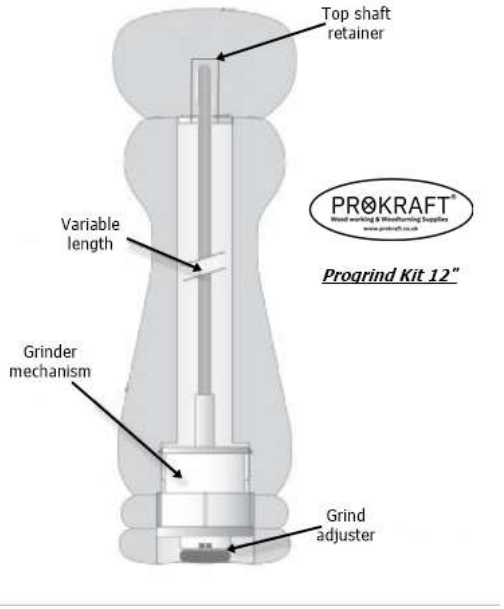
Prokraft®
Woodworking & woodturning supplies
www.prokraft.co.uk




Assembly Guide for Prokraft Progrind Mechanism

The Prokraft progrind mechanism can be trimmed to any length required and can make a completed mill of up to approx 12". The mill parts are pre-assembled and only need to be pushed into place.

We believe many instruction sets for these kits are far more complex than they need to be so we have tried to keep ours as simple as possible. This is partly done to avoid confusion and partly as there is more than one way to complete the kits depending on the equipment you have.

**You do NOT need any special turning tools for creating rebates inside the main cavity.**

The basic dimensions are very simple the key factor is to get the holes drilled level through the blank so the drive shaft holds the grinding burrs level.

We would recommend forstner drill bits of 38mm and 25mm with an option of a 42-45mm bit but this dimension can be done manually with your turning tools. You will also need an 11mm hss bit to insert the top shaft connector.

We recommend watching our product video which shows in detail how these kits can be completed.

When starting with your blank we recommend marking out for your head section and main body and turning a tenon on each – a suitable size for your chuck jaws.

When drilling with forstner bits always start with the largest diameter drill first and work down to the smallest

When making a large grinder it may be necessary to drill from both ends of the blank – ensure each starting point is central and level. The top and bottom drill points are important – where they meet in the middle is not critical.

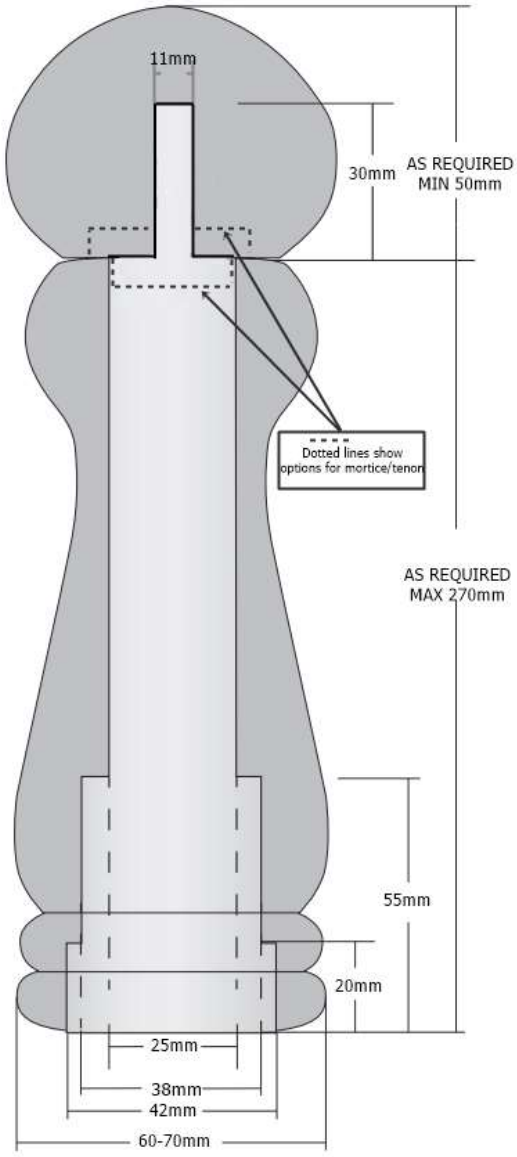
It is necessary to create a mortice and tenon joint between the top knob and the main body, the mortice can be in the top knob or the body, likewise the tenon can be in either as well – this is your choice, there is no right and wrong.

When your blank is completed open the adjuster so there is a gap between the ceramic grinder parts – this is to stop them getting damaged under pressure. press the parts in carefully and slowly on the lathe using a small block of wood/plastic to protect the grinder adjuster wheel, when the blank is cut to the dimensions shown glue should not be needed.

If the fit is too tight the small plastic lugs on the grinder housing can be trimmed with a sharp knife or the central shaft enlarged slightly. If the fit is loose we recommend a 2 part epoxy type glue.

If you need to shorten the shaft - cut to desired length with a hacksaw and smooth the edges with a file or grinder wheel

The drilling dimensions are detailed below:




These are fun kits to make and produce a quality end product, we hope you enjoy making them.