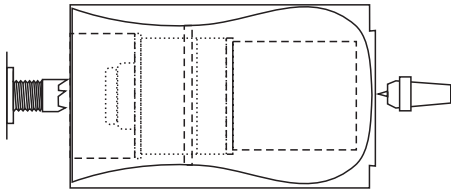




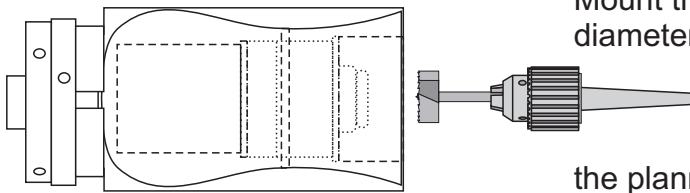
DUMPY PEPPER GRINDER

This design uses the short Crushgrind mechanism. This is not designed for use in a wooden grinder so little modifications, as noted below, are needed.

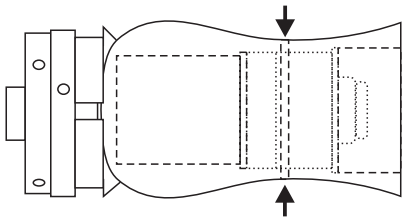
Minimum suggested dimensions for wood for this project are 100mm x 60mm. You may make it taller and wider for aesthetic reasons or so that it will hold more pepper.



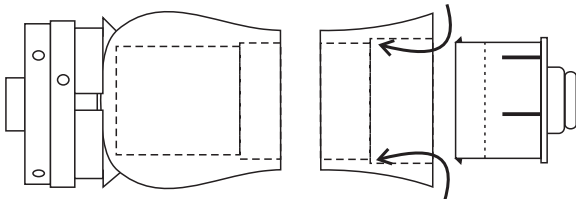
Mount the wood between centres.
Round it off and cut a spigot on the end that will be the top of the grinder.



Mount the wood in a chuck. Drill or cut a 41mm diameter hole to 24mm in from the end. Then drill a 38mm hole for a further 28mm plus the thickness of your parting tool. Then drill a slightly smaller hole to nearly the top of the planned grinder.

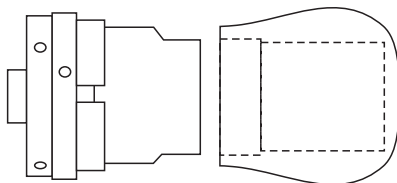
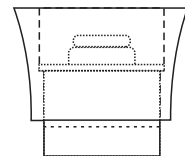


Cut the outside shape and the bottom. Sand and finish these surfaces. Sand the inside of the bottom where it will be visible later. Part off the bottom part of the grinder. Sand the surfaces created by the parting tool.

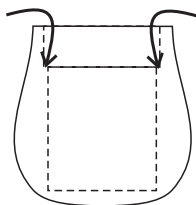


Test fit the grinder mechanism into the wood. You will probably need to cut off the two hooks at the top and reduce the ribs on the lower part. Check that the depth of the wider part of the hole in the top half of the wood is adequate.

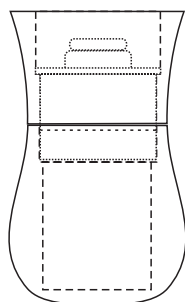
Run a bead of glue around the edge of hole inside the bottom. Thick CA or Araldite is recommended. Fit the grinder mechanism and put it aside to set.



Cut a wooden plug to jam fit the grinder top to a chuck. Finish all of the upper surface.



Run a bead of glue around the edge of the hole inside the top.



Fit the lower half into the upper half and set it aside resting on the top end for the glue to set.

To fill it with pepper unscrew the knurled end of the grinder mechanism and lift out the centre. Pour the pepper in and replace the parts.

