

CRUSHGRIND MILLS

If following these instructions material required 65mm x 345mm

Steps

- 1 Turn timber blank to cylinder with 15mm x 50mm dia spigot on each end.
- 2 Mount blank in scroll chuck.
- 3 Drill 45mm hole to a depth of 35mm.
- 4 Drill 38mm hole to a depth of 68mm.
- 5 Drill 20 or 25mm hole to a depth of 215mm.
- 6 Turn timber around and hold in chuck. Support other end with your live centre to ensure blank runs true. Mark with skew chisel 15mm from chuck end. This will be the bottom of your mill.
- 7 Turn you blank to desired shape using these dimensions as a guide. You can use your own design if you have one.
- 8 Sand and finish as required.
- 9 Part of the capstan.
- 10 Drill 35mm hole in top of main body to a depth of 15mm.
- 11 Bore through with original size bit used.
- 12 Sand and finish top of body as required.
- 13 Part of main body at the 15mm mark near chuck. Carefully undercut so the mill stands on the outside edge. Sand and finish by hand.
- 14 Mount capstan in chuck with the pre turned spigot.
- 15 Drill 22mm hole to a depth of 40mm.
- 16 Turn capstan around and turn of spigot. Sand and finish as required.
- 17 Trim plastic webbing from the crushgrind mechanism to fit into predrilled holes.
- 18 Glue mechanism into body being carefull not to get any glue on moving parts.
- 19 If you are making a shorter mechanism trim shaft to length as required.

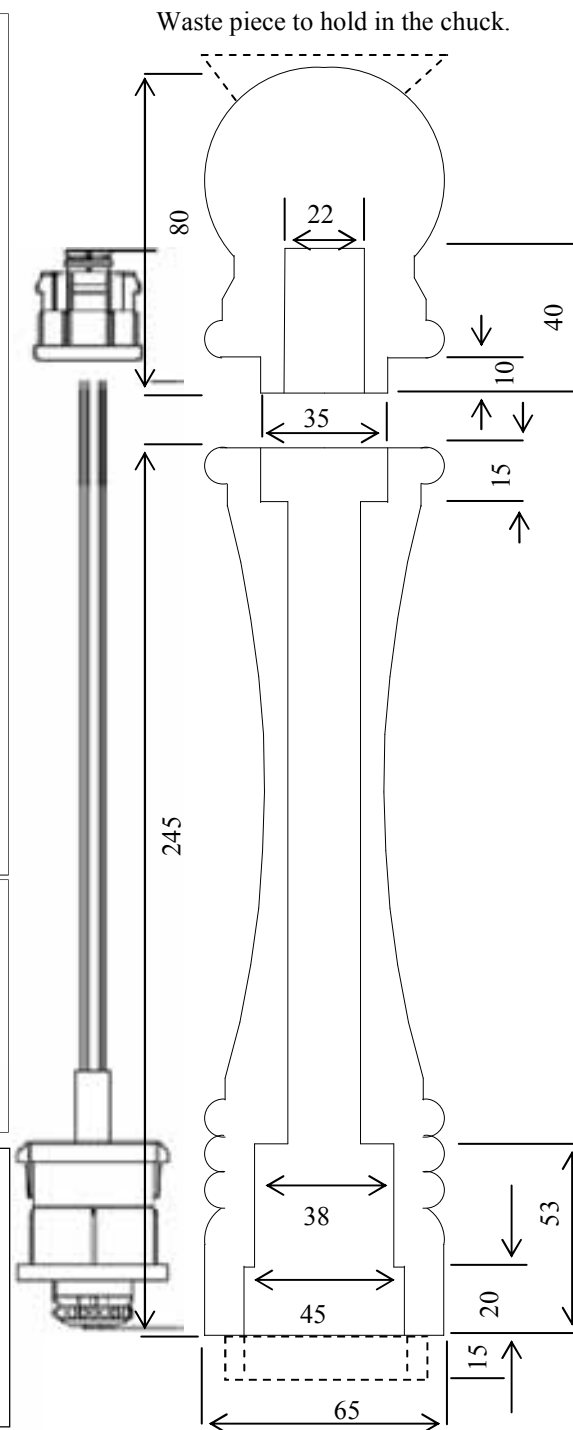
The dimensions and shape are to be used as a guide only. The mill can be from 120mm—300mm in length or longer depending on your design. .

Drill bits required

20 or 25mm Auger bit, 38mm - 1 1/2" Forstner bit, 45mm - 1 3/4" Forstner bit, 22mm - 7/8" Forstner bit
35mm - 1 3/8" Forstner bit

Tools Required

Roughing Gouge, Parting Tool, Spindle Gouge, Skew Chisel, Calipers



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