

## Assembling the Mill

First you need to screw the base plate to the already turned bottom part of the body. The plate must sit flush on it, you might need to rework the countersinks. Also, the screw heads must not protrude above the plate, if necessary rework also these countersinks.

Now you can insert the drive pole with the spring from the bottom of the body. The trident will be roughly level with the base plate. Now screw the crank onto the drive pole and secure it with the cap nut. Press the nutmeg against the trident, put the grinder plate on it and turn it counter clockwise to fix it.

## Tooling

You can obtain the necessary tools from your specialized turning tool supplier. He will also be pleased to inform you about other products of our range, such as diamond sharpening tools, sets for pepper- and salt mills.

Have fun with this project and enjoy an interesting condiment!

Holzer Hartstofftechnik KG, A-8114 Kleinstuebing 179

## Notes

## Your supplier for turning tools and accessories

# Nutmeg Mills...

**a wonderful project,  
which gives you a lot of freedom  
to create interesting designs**



## Nutmegs

originate from Indonesia, were secretly brought to Africa and the Caribbean, planted there as this luxury fetched extremely high prices. Immense fortunes were made with it.

Use it in the kitchen for potatoes, especially mash, soups, minced meats, roast pork and vegetables such as cauliflower, sprouts, spinach...

Something else? Well, there were a lot of rumours in the past about this valuable condiment, but, who believes rumours?

## About timber and shape

As always when creating something that is used with foodstuff or condiments, select a timber that has no strong odors and is not poisonous.

As regards the shape you have a lot of freedom to create pretty and interesting designs. You are only limited by the total height of the body and the diameter of the base plate.

## How to make the Mill

The height (length) of the body is determined by the mechanical parts, it is 95mm (3¾"). Select the timber that you prefer, but don't use one that exudes strong odors or is poisonous as this might be passed on to the condiment. Local timbers are fine, and so are laminations.

Make a roll with a length of approx. 150–160mm (6") that you can clamp in a chuck. Turn the free end so that it is perpendicular. Now we produce a pedestal that fits the base plate as regards diameter and height. Hold the base plate against the pedestal to mark the position of the screw holes. Pre-drill the screw holes and countersink them.

Now we drill the hole to accept the nutmeg. It will be best to use a spur bit since this will be best to take care of the hard center wood.

Drill diameter 25mm (1"), depth 40mm (1½")



Pedestal to receive the base plate, 25 mm (1") bore for the nutmeg

To accept the drive pole with spring we need a bore of 9.5mm (¾"). For the pole only use 6.5mm (¼") or 7mm. The depth must be 40mm (1½")

You must now produce a 25mm (1") pin using a chuck. On this pin you place the mill body. Make sure that the fit is close and that the mill body runs true.



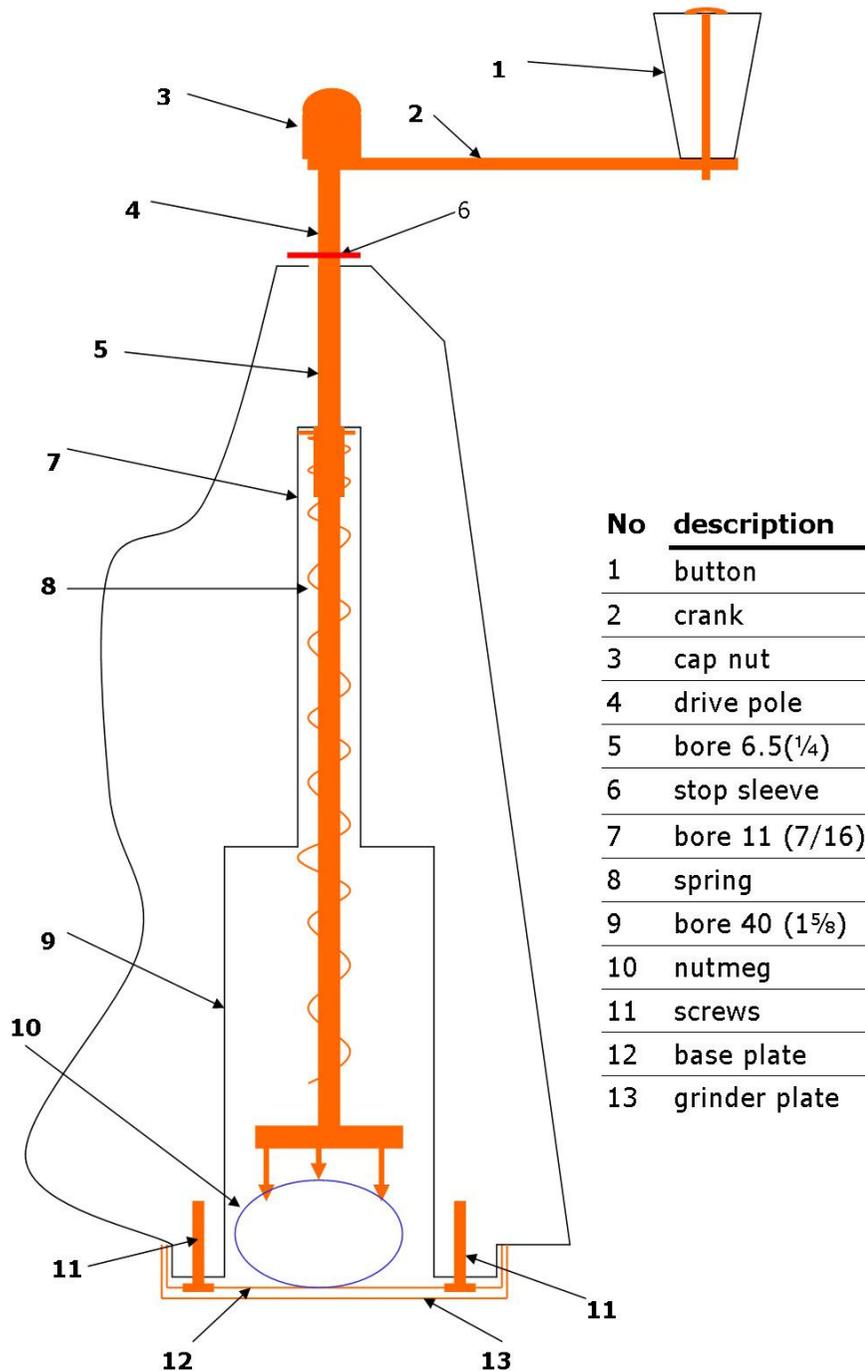
Pin to hold the mill body

Now turn a perpendicular face for the free end of the body and drill the 6.5mm (¼") hole for the drive pole. Now, for safety reasons use the center of the tailstock and turn the desired form of the body. Make sure the length of the finished form is 95mm (3¾"). When the body is finished we sand it and treat the surface as desired.



one of many shapes

You are also free to choose the shape of the crank button. Its length must be 16mm and it has a 3mm (⅛") bore. Sand and do the surface treatment. Push the rivet through it and with the open end through the hole in the crank. Use a center punch to fix the rivet firmly to the crank, the button must still be loose enough to rotate. Now only fix the crank to the drive pole and secure it with the cap nut.



No	<u>description</u>
1	button
2	crank
3	cap nut
4	drive pole
5	bore 6.5(¼)
6	stop sleeve
7	bore 11 (7/16)
8	spring
9	bore 40 (1⅝)
10	nutmeg
11	screws
12	base plate
13	grinder plate