



## Premium Razor Brush ( WT\_RZBSH-\* )

### Instruction guidelines

The WT\_RZBSH Premium Razor Brushes are high quality, sturdy, resistant and weighty project kits that are both simple and fun to make. These are truly a „Premium product“. They require no specialty tools, bushings or mandrels to finish and can be turned between centres. You will require a pilot drill (2-3mm will suffice), a 6.5mm drill and, optionally, a 20mm drill. If available, it is possible to use a slightly thinner drill for the threaded bolt, down to 6.2mm in order to ensure a snugger fit but, because the kit is very forgiving, the extra 0.3mm are no hindrance.

Essentially, the project kit creates compression from drawing the threaded bolt into the base of the shaving brush, through the handle. This means that even a little imprecision will be tolerable. Because this is not a „tube kit“, the thickness of the wood being used will be larger, which may in turn prevent cracks from developing.

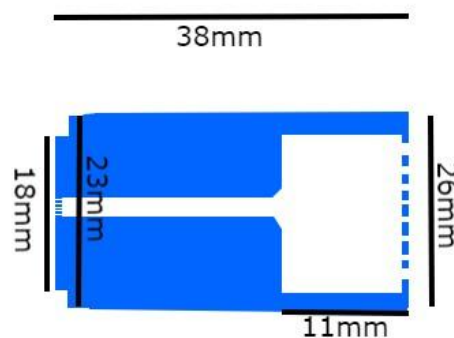
As always with WT Tech instructions, these are only guidelines. This is in no way intended to be the only way of making this kit. If you have another method that works for you, feel free to let us know. Above all, enjoy the turning!

### Instructions:

- Preparing the piece for work on the lathe is crucial. Cut a piece of wood, acrylic, metal or other material to about 38mm.
- Drill all the way through with your pilot drill. This will create a reference point for the 6.5 and the 20 mm drills.
- Select which side of the material you will use as the top and drill a 20mm hole about 11mm deep into it.

- Turn the piece around on the drill bench and, from the other side, drill all the way down the pilot hole with your 6.5mm drill.
- You may, if you wish, countersink on the brush (top) side, inside the 20mm hole to make a little more room for the top of the screw.
- Remove the piece from the drill bench and mount it on your lathe, whilst making sure to not put too much pressure to prevent cracks.
- Turn the handle down to your chosen form.
- (Optional) Create a tenon on the base of the brush handle. This should be about 18mm. The tenon is not 100% necessary, but provides for better stability of the handle in the base. If you do not cut a tenon, you may have to remeasure the necessary lengths of the handle.
- The connecting extremities of the handle should be about 23mm on the base. The top of the brush is entirely up to you, but we recommend at least 26mm in order to give the wood around the brush a little thickness.

Here is a diagram to explain these measurements:



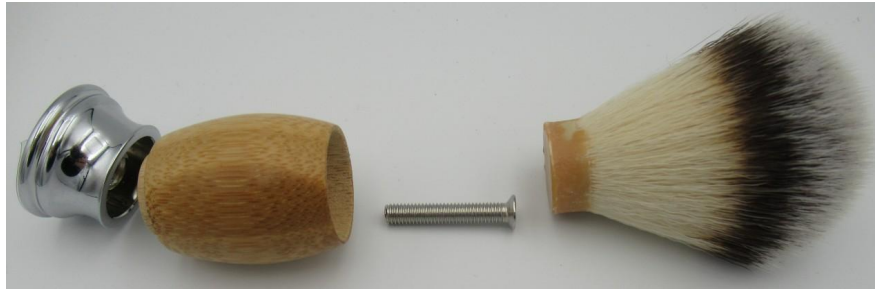
- Turn, sand, polish and remove from the lathe.
- Do consider using a water resistant finish or treatment, as the brush will stand in a humid bathroom for most of its life. This is particular true for sensitive, non-stabilised woods.

#### **Alternatively:**

- Cut a slightly longer piece and drill a pilot hole through the entire piece.
- Fasten the soon-to-be handle in a chuck and work on it from here. Drilling can then be done from brush-side of the handle.
- Drill the 6.5mm hole and follow with the 20mm drill, 11mm deep.
- You can manually countersink with a cutting tool or use a drill countersink.
- Cut the tenon as described above.
- Turn, sand, treat, polish, etc.

**Assembly:**

- Now assemble the brush handle, but before doing this, do a loose fit to ensure that all is well.
- The threaded bolt goes into the countersunk 6.5mm hole, which then screws into the base plate. Tighten this. Because the brush will be glued into the handle, ensure that it is properly tightened as it will be inaccessible in the future. This step is permanent.



- Using the adhesive of your choice, glue the brush into the top of the handle. Make sure you use a water resistant adhesive as this is the part of a razor kit which will often be moist.



**Your premium shaving brush is now complete. Enjoy!**