

Basics Microplane Rasp Grater

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Needed:

3/8" threaded mandrel 16tpi (BSMAND-38-16)

11/32" drill bit

3/8" x 16tpi tap

Live Centre

Please note: you will need a Jacobs chuck or drill chuck for your lathe to make this kit.

Preparing and turning the blank

1. Select a turning blank at 1-1/2" square x 6" long. Square the end of the drill end of the blank.
2. Mark a centre mark on the end of the blank and using a 11/32" drill, drill a hole 1-1/4" deep.
3. Using a 3/8"x 16tpi drill tap, slowly and carefully tap the hole in the blank.
4. Screw the threaded end of the mandrel into this hole until the blank shoulders against the round stop collar.
5. Mount the shaft of the mandrel onto your lathe using a Jacobs chuck or drill chuck. Support the other end of the blank with your live tailstock centre.

6. Turn the blank to the desired shape, leaving 1/2" of waste material on the tailstock end. Sand and finish the handle blank.
7. Trim off the 1/2" waste piece on the lathe. Sand and finish the end.

Assembling the parts

1. Unscrew the mandrel from the turned blank and set aside.
2. Unscrew the threaded insert from the grater. Glue the threaded insert into the handle by placing a small amount of glue into the hole and threading the long end of the insert into the handle.
3. Once the glue has cured, thread the grater onto the handle.

