

## Tormek BGM-100 Grinder Mount for Shopsmith Mark V 510/520

### Parts List:

- One 14" x 6 1/2" x 3/4" thick wood or plywood
- Two 3/16" x 2 1/2" J bolts, #10 washers and #10-24 nuts
- Two M10-1.50x40 metric bolts, M10-1.50 nuts, 3/8" x 1 1/4" fender washers
- Four #10-24 brass threaded nut inserts (to mount BGM-100 mount to wood)
- Four #10-24 x 3/4" machine screws, #10 washers

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- I purchased all of my hardware at Lowes.
  - I cut and sanded a 1 1/4" radius on all four corners of the 3/4" plywood piece and rounded the top on my router table.
  - I used 10mm bolts over 3/8" bolts because they fit the original SS saw table holes better.
  - I cut the head off from a long #10-24 machine screw and used two 10-24 nuts as jam nuts on the screw shaft, threaded the #10-24 nut inserts onto the threaded shaft one at a time, inserted this assembly into the drill press chuck and inserted the nut inserts (BY HAND) into the four hole marked by placing the BGM-100 mount onto the wood with the back side of the metal mount lined up with a line drawn 5 5/8" from the front edge of the wood base. DO NOT TURN THE DRILL PRESS POWER ON FOR THIS OPERATION, use hand power only! Those of you using the smaller SS grinder wheel may have to mount your BGM-100 mount at the 6" wheel mark or closer.
  - Use the SS saw table vertical adjustment wheel and the Tormek BGM-100 horizontal rod mount for your adjustments. You may also move the headstock or carriage too.
  - Now you can use the Tormek sharpening jigs with your SS. Note: some Tormek jigs are designed to run with the wheel turning away from the jig, others with the grinding wheel turning toward the wheel. Make sure you don't purchase a Tormek (or clone) jig you cannot use. Power Pro users will have more flexibility because of the reversibility of the Power Pro. \*USE CAUTION\*
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CAUTION\* POWER TOOLS ARE DANGEROUS, YOUR SAFETY IS YOUR RESPONSIBILITY NOT MINE  
SO PLEASE BE CAREFUL\*

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