

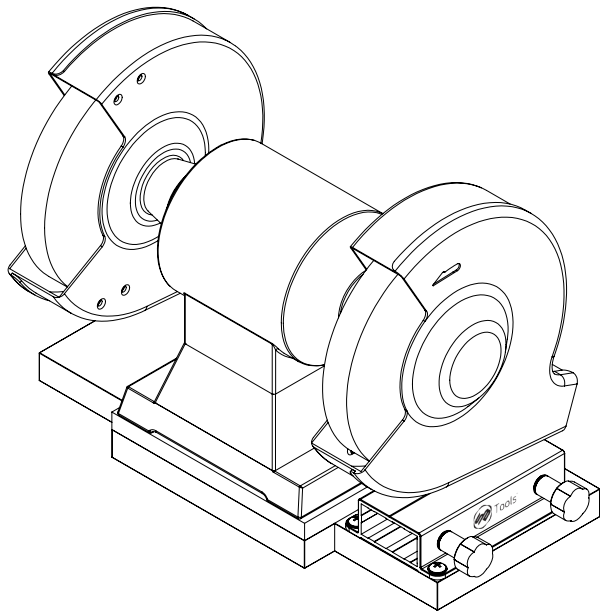
UGS Mounting Base

Instruction Manual

For the UGS Mounting Base

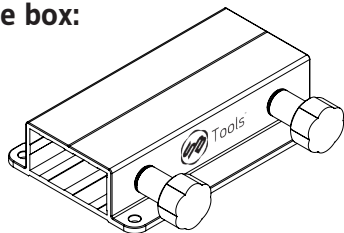


MADE IN THE USA

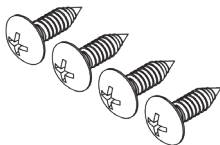


Tools™
woodturning.org

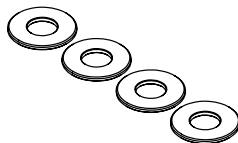
In the box:



UGS Mounting Base

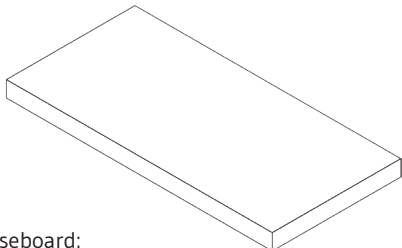


Four #10 Phillips-head
wood screws

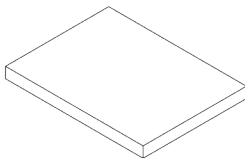


Four #10 washers

You will need:

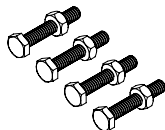


Baseboard:
(min. size 8" x 18") Plywood, stair tread, or
High Density Polyethylene (HDPE)
3/4" - 1" thickness recommended.



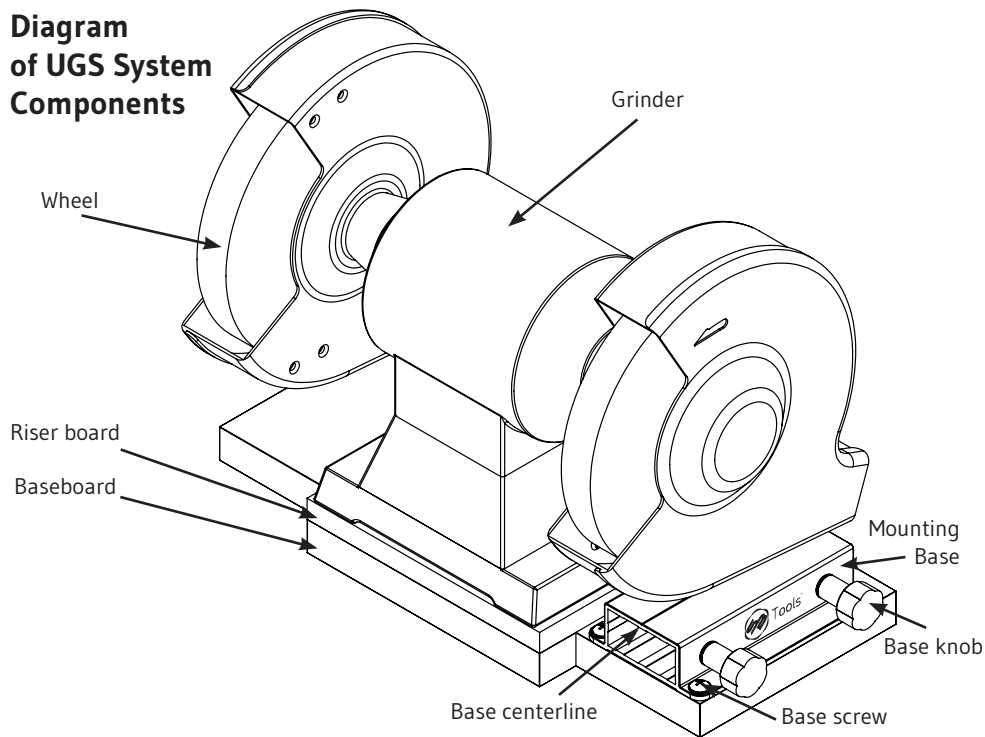
Riser Board:
Cut to size of grinder base.
1/2" - 3/4" thickness
recommended

OPTIONAL:



Four 1/4" Hex bolts
and nuts. (Recommended if
using HDPE baseboard.)

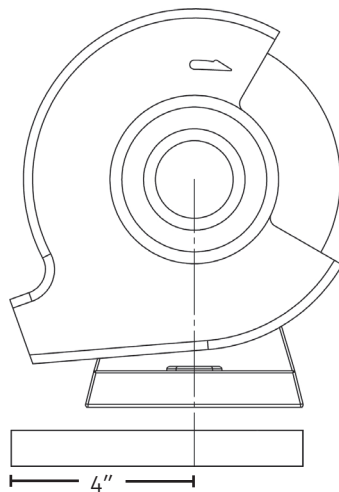
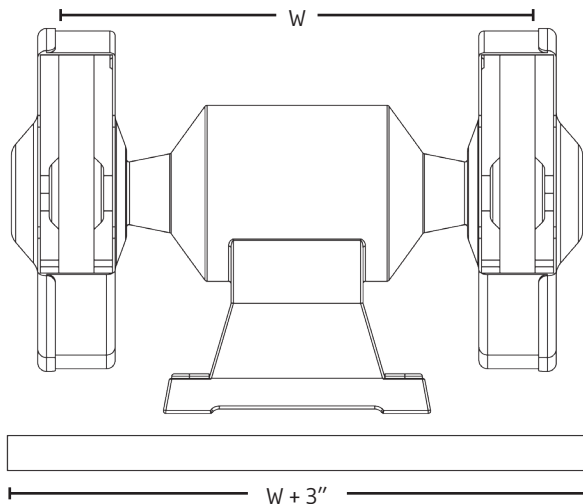
Diagram of UGS System Components



Step 1: Cut Baseboard for Pedestal Grinding Configuration

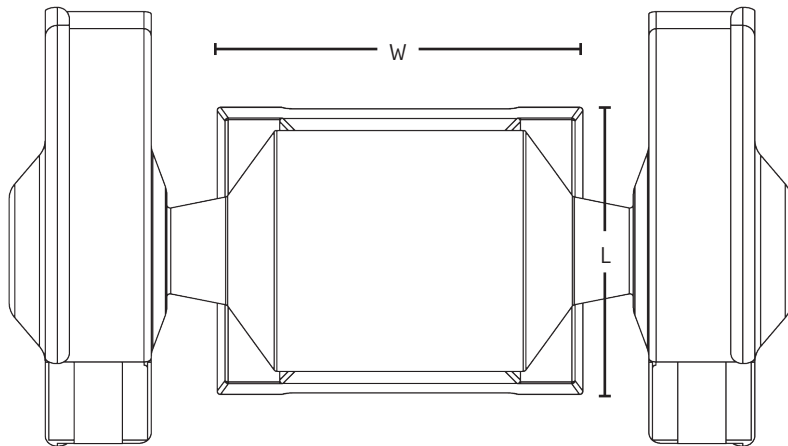
If the grinder will be mounted to a table or workbench, skip to Step 2.

Cut the baseboard to be 3" wider than the width of the outside of the grinder wheels. The baseboard should extend back at least 4" from the center of the wheel and align flush with the front of the grinder.



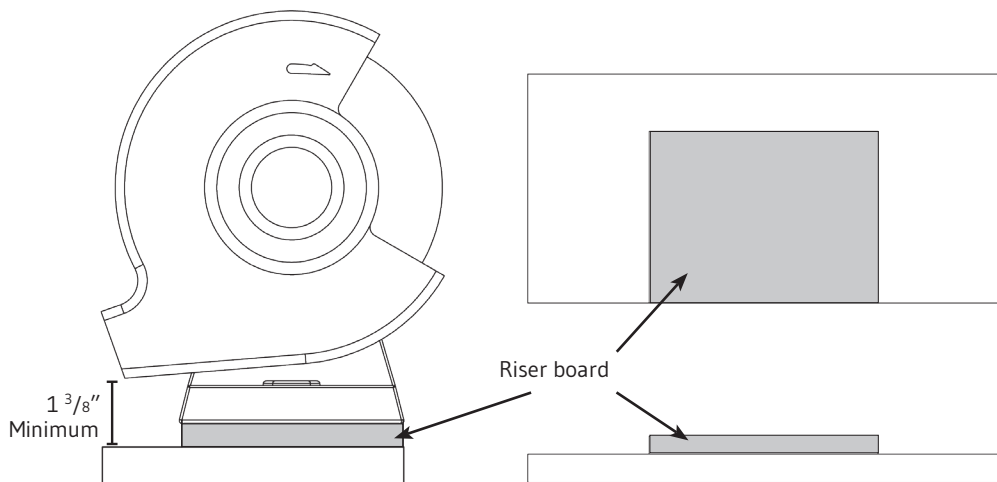
Step 2: Cut Riser Board

Cut the riser board to the size of the base of the grinder. The grinder should be flush with the edges of the riser. We recommend using a 1/2" to 3/4" thick board, depending on the height of the grinder wheels.



Step 3: Secure the Boards

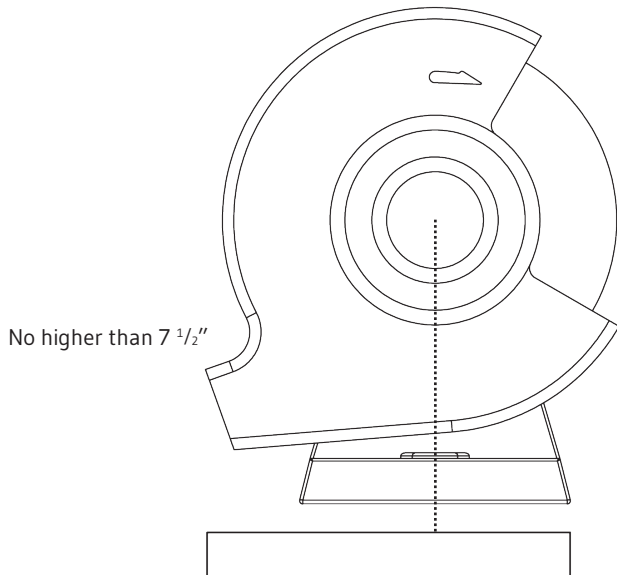
Create enough risers so the grinder sits at least $1\frac{3}{8}"$ above the baseboard when measured from the lowest point on the wheel casing. Then glue or screw the riser board(s) to the center of the baseboard as shown below.



Step 4: OPTION ONE

For ease of use with larger grinding wheels

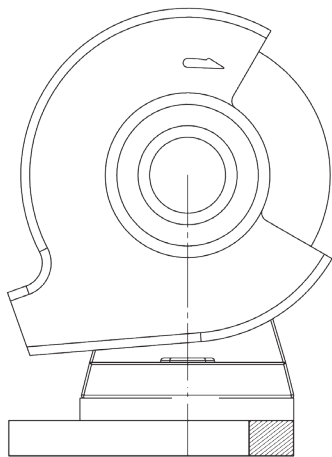
Raise the grinder higher by adding more riser boards so that SB Tools UGS accessories can clear the baseboard. The maximum height of the center of the grinder wheel should not exceed 7 1/2" above the top of the baseboard.



Step 4: OPTION TWO

For greater range of movement to allow for smaller diameter wheels

Create cutouts to allow for reduced size wheels as the wheel grinds down. Measure from the center of the wheel as shown below: 2" for 6"-8" diameter wheels and 3" for larger wheels.

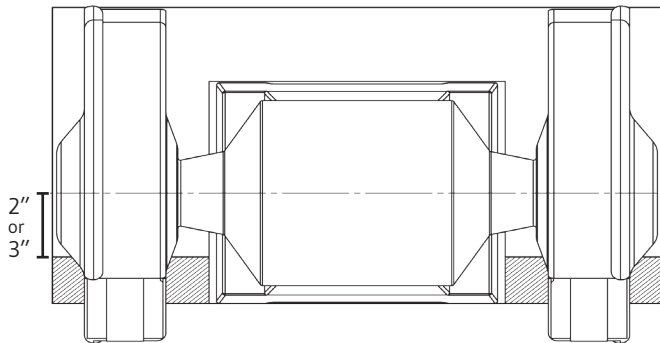


2"

For 6" to 8" diameter wheels.

3"

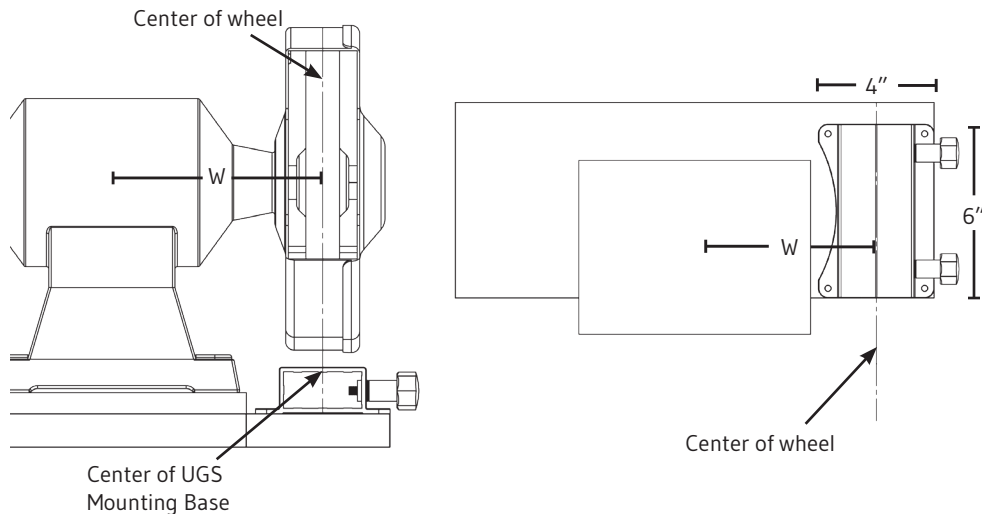
For 10" diameter wheels.



Cutouts allow UGS accessories to easily fit any grinder.

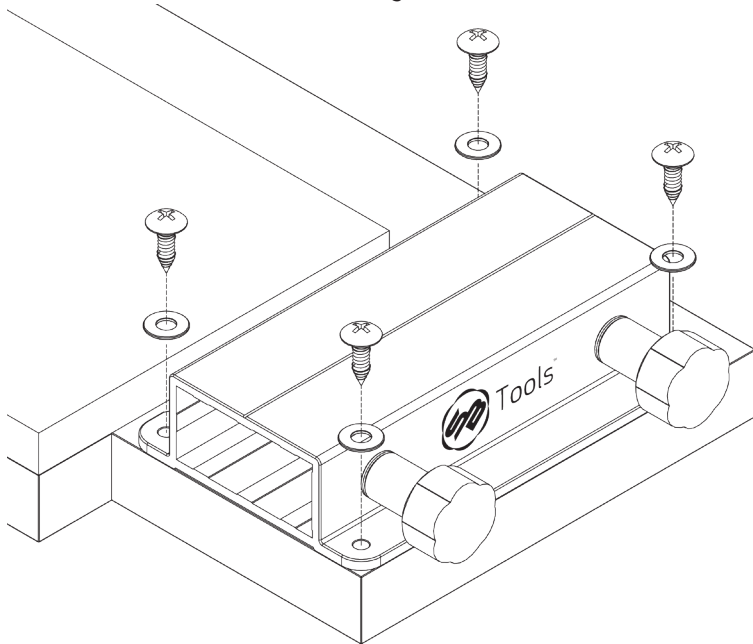
Step 6: Position the Mounting Base

Measure the distance from the center of the grinder to the middle of the grinding wheel. Position the Mounting Base so that the centerline on the top of the base is directly under the center of the grinding wheel. The front and side of the Mounting Base should be flush with the edges of the baseboard for easy access to base knobs. The Mounting Base is 4" wide and 6" long.



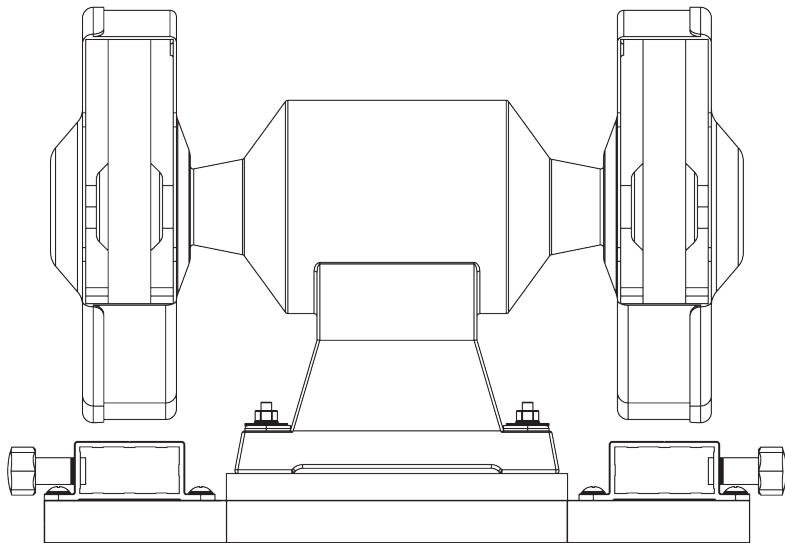
Step 7: Secure Base to Baseboard

Screw the Mounting Base to the baseboard using the supplied #10 base screws. If using a HDPE board, we recommend using 1/4" bolts.



Step 8: Secure Grinder

Once the UGS base is secure, bolt the grinder into place on the riser(s).



We recommend mounting two UGS Bases under your grinder, so you can easily use SB Tools UGS accessories at both grinding wheels.

*More information about
SB Tools, how-to videos and
downloadable information
available
at woodturning.org.*



ToolsTM
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