
26 Lyerly St. Houston, TX 77022 713-691-2935 800-356-5189 Fax: 713-691-3250



This is what you can do with a standard bolt-down hand grinder. Compact, powerful (1/2 HP) and heavy (over 50 lbs). It can grind at the rate of five (5) pounds a minute, hour after hour, and, because of the ball-bearing speed brake, it is very quiet and vibration free. The speed brake reduces the motor speed of 1,725 rpm to a grinder speed of about 75 rpm. The base is wood, and there is a lengthwise 2" x 4" oak spine running left to right under the middle of the base, so that the platform will not "flex" during operation, thus preventing belt slippage. The V-belts are tensioned not *too* tight, however, so that they *will* slip if you hit a chunk of bone, instead of breaking a grinder part — the motor mount is slotted, and the main base beneath the grinder mounts is slotted, allowing them to slide for proper V-belt tensioning. See next page for exact motor, pulley and belt specifications.

A motorized grinder is a potentially dangerous machine. There are safety hoppers, stompers and receiving pans available to reduce the risk of injury. **PLEASE READ AND SEE THE SAFETY SECTION ON LAST PAGE.**

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WE CATER TO THE "DO IT YOURSELF PERSON"
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THIS REAR VIEW SHOWS THE RELATIONSHIP OF FLYWHEEL, SPEED BRAKE AND MOTOR.

Motor, Pulley and Belt Specifications:

- **Motor:** Capacitor Start AC Motor, 1/2 HP, 1725 RPM, 115/230VAC, 60 Hz

- **Pulleys:**
 - Motor shaft = 1.5"
 - Small speed brake pulley = 1.5"
 - Large speed brake pulley = 4"; grinder flywheel = 13"

- **Belts:** Motor to speed brake: 19"; speed brake to grinder = 45"

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SHOWN ABOVE IS DETAIL OF THE BALL-BEARING SPEED BRAKE.

THIS SETUP REDUCES THE 1725-RPM OF THE MOTOR TO ABOUT 75 RPM AT THE GRINDER.

NOTE THE GREASE FITTINGS FOR THE BEARINGS.

For best results the feed screw RPM should be between 75 & 150 RPM. To determine the RPM use the following formula - Divide the motor pulley diameter by the feedscrew pulley diameter then multiply by the motor RPM. This will give you the RPM of the grinder feedscrew. The closer to 75 RPM the quieter the unit will be and less vibration you will get.

It may be necessary to add a speed brake between the motor and the grinder. This can be achieved by adding a 2:1 or 3:1 idler shaft assembly as shown above.

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Unit in action, churning out grind

PLEASE DO NOT FEED MEAT DIRECTLY INTO THE OPENING OF THE CHOPPER AS THIS OPERATOR IS DOING

SEE SAFETY DATA ON LAST PAGE

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MODIFICATIONS MADE TO HAND GRINDERS INCLUDING THE INSTALLATIONS OF AN ELECTRIC MOTOR CAN RESULT IN SERIOUS INJURY AND / OR AMPUTATION.

**WHEN OPERATING A MOTORIZED GRINDER
WE HIGHLY RECOMMEND THE USE OF**

A STOMPER

AS WELL AS INSTALLATION OF A SAFETY PAN

AND SAFETY COVER

**DO NOT FEED MEAT DIRECTLY INTO THE
OPENING OF THE CHOPPER.**



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