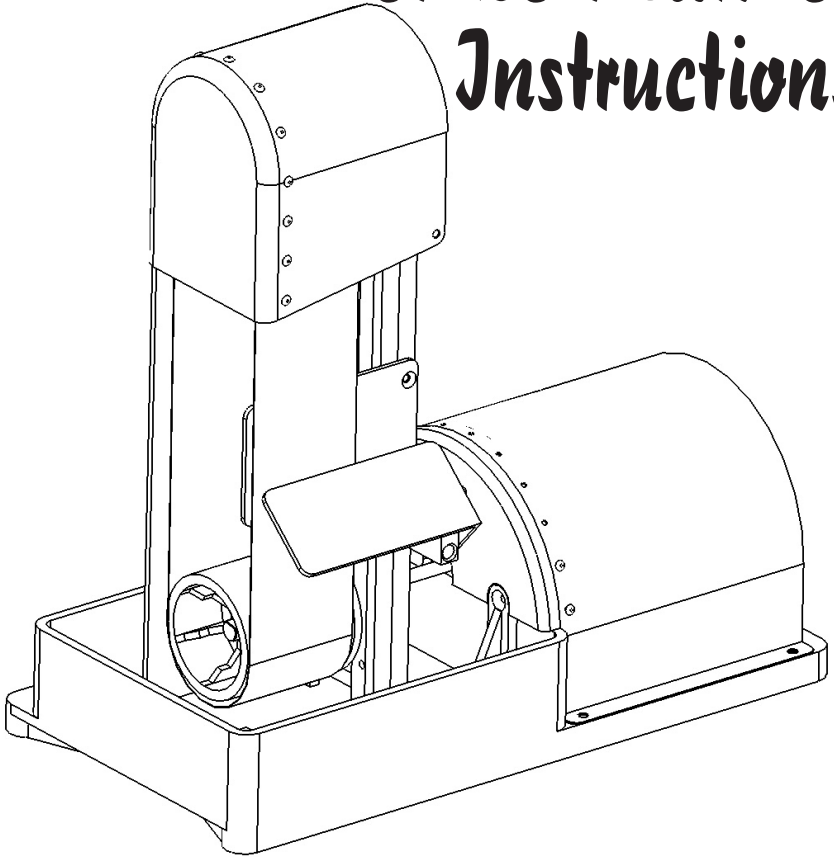


# Gryphon Wet-Belt Sander Instructions



## Important Precautions

- Wear eye protection and protective clothing
- Keep fingers away from belt and other moving parts when using the sander
- Use only belts designed for this tool
- Always use water in the base when grinding hard materials (glass, stone, etc.) Refresh water as required. Only sand without water when sanding soft material such as wood.

## Setup

Your new belt sander comes assembled and ready for use. When choosing a location to use the sander, remember that there will be a small amount of water splash during use. Also, it is advisable to choose a location with good lighting and good ventilation.

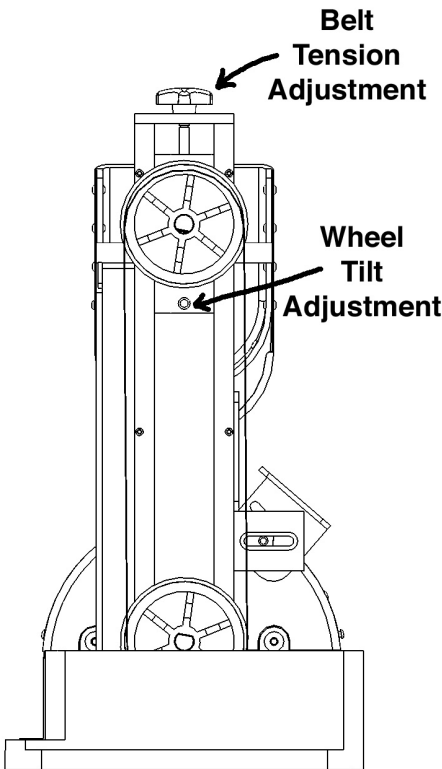
If you are planning a big project that will require a lot of sanding, you may want to consider buying a footswitch. The footswitch will provide a convenient way to turn the sander on and off. Your dealer should be able to provide a suitable footswitch.

## Belt Installation

To install a new sanding belt, raise the top cover by rotating it about the pivot. Lower the upper wheel by turning the large Belt Tension Adjustment thumbscrew located on the upright support.

Remove the old belt, if one is installed, by sliding it off the upper and lower wheels.

Install a new belt by sliding it onto the upper and lower wheels. When the belt is centered on both wheels, raise the top wheel by turning the large Belt Tension Adjustment thumbscrew. Raising the wheel will tighten the belt. The belt should be tightened to the point that it runs smoothly and does not flap. Do not overtighten the belt, as that will cause premature failure.

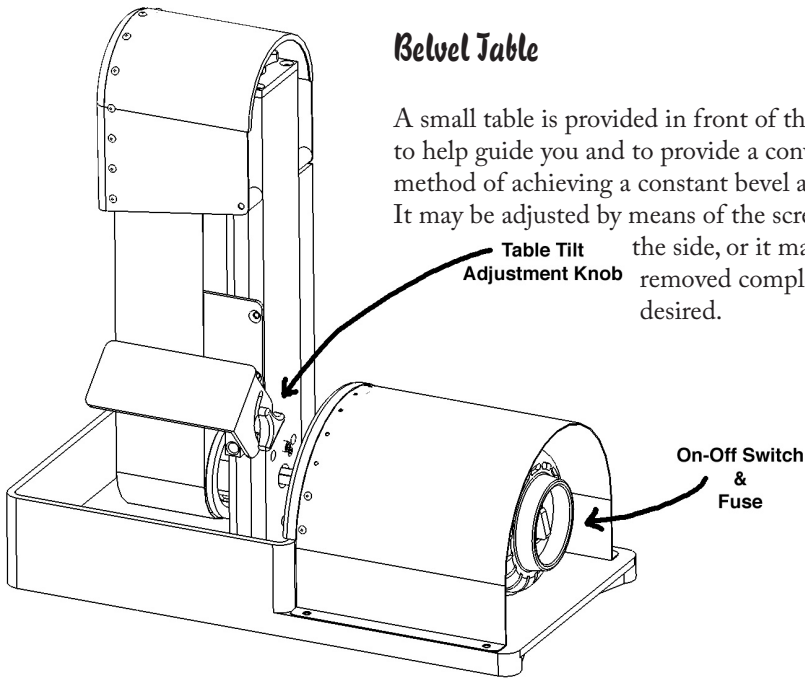


## Belvel Table

A small table is provided in front of the belt to help guide you and to provide a convenient method of achieving a constant bevel angle. It may be adjusted by means of the screw on

the side, or it may be removed completely if desired.

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## Cooling system

Grinding glass and rock will generate a tremendous amount of heat in the belt, and requires some method of cooling the belt. In the Gryphon Wet Belt Sander, the cooling is provided by a wet sponge that contacts the bottom of the belt. The sponge remains wet because it sits in a water reservoir. It is imperative that the water reservoir be kept full enough to keep the sponge wet at all times. The water level should be slightly below the top of the sponge, otherwise there will be a great deal of water splash. In addition to keeping the belt abrasive cool, the water will capture some of the glass dust and minimize transmission of the glass dust through the air. The only time that it is safe to use the sander without water is when you are sanding soft material, such as wood.

The sponge fits in the water tray and is held in place by shoulders that are molded into the water tray. The sander is designed to use a common kitchen sponge, which is typically 3" by 5" by about 3/4" thick. Replacement sponges are readily available from your grocer.

## About the belts

Sanding/grinding belts are available in various finishes. The belts with the largest and coarsest particles bonded to the surface will remove material fastest, but will leave a relatively rough surface on your work. The belts with the finest particles will remove material much more slowly, but leave a much smoother finish. The fineness or coarseness of a belt is identified by its “grit”. Grit is a measure of the size of the particles, and a larger number indicates a finer grit. By way of example, an 80 grit belt would be very aggressive, while a 400 grit belt would be very fine.

## Adjustments

Normally, the only adjustment that will be required is the tension adjustment for the belt. That adjustment is described in the blade installation section.

If the belt fails to run in the center of the wheel, even after the tension has been properly adjusted, then it may be necessary to adjust the tilt of the top wheel. Refer to the illustration on the second page. In this illustration you can see a small set screw below the wheel that is used to adjust the tilt of the wheel shaft. Turn the screw slowly until the desired angle is obtained. The lower wheel should never require adjustment.

## Cleaning

It is advisable to clean the water reservoir periodically to prevent excessive built up of glass dust/sludge in the base of the sander. The sludge can be removed by wiping the water tray with a paper towel, and then disposing of the paper towel in the trash. You should not wash the sludge down your drain, as it will eventually clog your plumbing.



If you have any questions regarding the setup or use of your Wet Belt Sander, please call:

**Gryphon Corporation**

[www.gryphoncorp.com](http://www.gryphoncorp.com)

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