

Pégas Scroll Bandsaw

Overview

The Pégas® Scroll Bandsaw is a precisely engineered and manufactured machine designed to cut accurate curves in wood, metal, or other materials; however, **wood is the only material allowed in our shop**. The precision of Pégas® Scroll Bandsaw blades allows the saw to cut more accurately than a comparable scroll saw, and more cleanly than a hand coping saw or fretsaw. This uniquely creative and innovative machine is **intended for experienced users**, ranging from advanced hobbyists to skilled professionals. The Pégas Scroll Bandsaw is designed and engineered in Switzerland and manufactured in Taiwan to Pégas exacting specifications and quality requirements.

The Pégas® ball-bearing blade guidance system is required when using Pégas® scroll bandsaw blades. The blade will be guided accurately for high-performance, sustainable sawing results.

The top and bottom guides consist of a CNC-machined aluminum block and a special ball-bearing guide, featuring grooves along which the blade is guided above and beneath the table. Such high-precision guidance allows for the sawing of very complex shapes, curves, and radiuses. The scroll bandsaw is particularly useful and performs especially well when cutting tight curves in thicker material.

Special considerations

This scroll bandsaw is a new concept in fine workshop machinery. Though the Pégas is an “industrial” bandsaw, it is quite delicate and must be treated with a healthy respect for the fine quality of the blades, guides, and housing. The Member Shop strongly recommends that you carefully and completely read the [Setup and Operation Manual](#), paying special attention to the installation and fine-tuning of the blade and guides. A careless adjustment of the blade and/or guides will render this new tool totally ineffective and may cause premature wear of essential moving components.

Uses	Keys to Success
<ul style="list-style-type: none">● Cutting tight curves in thick wood● Making small boxes● Making puzzle boxes	<ul style="list-style-type: none">● Thin Sharp blade● Correct tensioning/tracking● Upper support bearings not higher than 1/4" from workpiece● Dust collection

Specifications

1. Motor can be set at 700 or 1050 MPM. (1050 is recommended for best scrolling results.)
2. The weighted sound level while sawing is approximately LWA = 90 dB.
3. WORKPIECE SIZE LIMIT: 15.9" (406mm) x 15.9" (406mm) x 5.9" (152mm)



Pégas Scroll Bandsaw Model SRP14-CE, 3/4 HP

Policies

1. Please purchase your own blade from the Shop Supervisor. Only Pégas blades may be used on this equipment.
2. No steel or other metal throat plates may be used on this saw. Acrylic throat plates are stored in the supply cabinet and are available from the Shop Supervisor.
3. We use **ONLY** #9 blades. This rule eliminates the requirement to change the bearings for other blade sizes (#12).

Safety

WARNING! This machine **DOES NOT** have door interlocks. Machines sold in the U.S. do not have interlocks as stated in the manual.

1. Most injuries in the workshop occur on the bandsaw.

2. The workpiece must be held firmly against the table or safely secured in a jig. **Freehand sawing is prohibited.**
3. Upper support bearings should not be more than 1/4" above the workpiece.

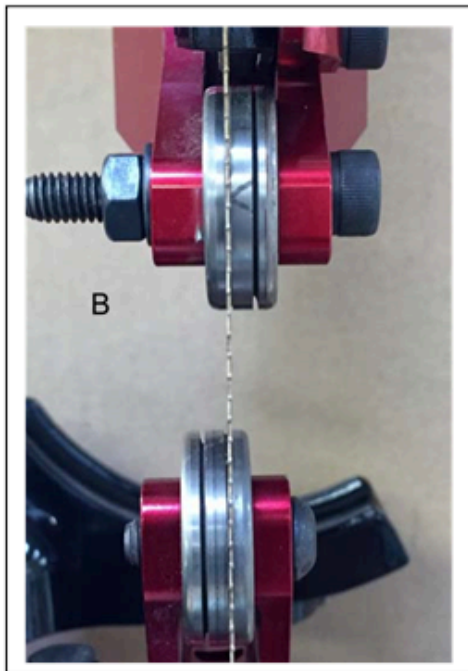
TIP: For best sawing results, the upper ball bearing should be adjusted as closely as possible to the workpiece.

4. Disconnect power when changing blades or adjusting the table or guides.

Operation

Blade setup

1. Install your blade:
 - a. The blade must run in the middle of the tire. + or – a little.
 - b. The blade must track in the inner (left) slot on the top guide and the outer (right) track on the bottom. (See picture below.)
 - c. Run the blade around at least one rotation by hand before applying power.

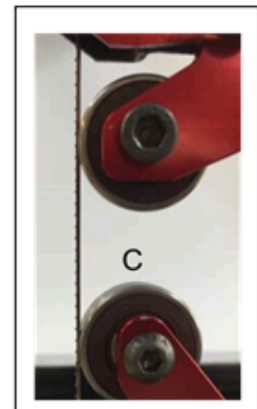


WARNING

Notice that the blade is into the left groove at the upper ball bearing and the right groove at the lower ball bearing.

IT'S NORMAL AND NECESSARY. (image B)

- The back of the blade should touch the bottom of the grooves and just entails **slightly** the rotation of the ball bearings. (image C)
- In order to check the right adjustment of the guides, made in factory, unblock both Allen screws fixing upper and lower ball bearings. (image D)



2. Set the tension:

- a. When the blade is under tension and the upper guide is in its highest position, push the blade at mid height with your finger.
 - b. If the tension is correct, you should be able to deflect the blade about 3 - 4 mm.
3. Ensure that the blade is square with the table by using an Engineer's square.
4. Set the top blade guide 1/4" above the surface of your workpiece.

WARNING! Installing a new saw blade on the bandsaw and adjusting the saw to "track" in the guides properly should only be attempted by the Shift Supervisor or an authorized technician.

Saw Operation

1. Verify that the brush keeps the lower wheel surface clean at all times.
 - a. If pitch and sawdust build up on the lower tire, adjust or change the brush. It is expected that the brush will degrade over time with use and normal wear.
 - b. Eventually the stiff brush hairs will soften and may no longer clear the wheel surface. Lower the brush slightly or change the brush.
2. Keep the upper and lower doors closed and all guards in place at all times.
3. With the machine at a full stop, adjust the guard to about 1/4" above the stock. **NEVER** adjust the saw while it is running.
4. A 3" minimum margin of safety should be maintained between the blade and your fingers. If needed, a new #2 pencil works well as a push stick.
5. Allow the saw to reach full speed before starting to feed the work.
6. Make all cuts under power—**NEVER** while the machine is coasting.
7. Cutting cylindrical or irregular stock on the bandsaw must be done using a holding jig; such as a V-block.
8. If it is necessary to back the saw out of long cuts, **turn the power off first** and allow the machine to come to a dead stop. Then back the material away from the saw blade.
9. Keep the floor area surrounding the saw clear of scraps and sawdust to avoid slip/trip hazards.
10. If the stock binds or pinches the blade, do not attempt to back the stock out until power has been secured and the machine stops.
11. Wait for the blade to come to a complete stop before leaving the machine.

Note: You will know that blade rotation has stopped when you can see the blade's teeth.

CAUTION! Twisting, binding, or pulling the saw blade off the wheels while backing out of a cut is the most frequent cause of a broken saw blade. If the blade breaks, stand clear, shut off power, if possible, and keep others clear until the machine stops completely. Notify the Shift Supervisor immediately.

Resawing

Re-sawing **should not be done** on the scroll bandsaw.

After the Cut

1. When removing scrap material from the saw table, always be aware of the blade. Use a piece of scrap stock to push away and remove scrap pieces. **DO NOT** use your hands.
2. If you hear a clicking noise, turn off the machine at once. This indicates a crack in the blade, as it passes through the guides. **Notify the Shop Supervisor.**
3. Leave the machine **ONLY** after power is turned off, the blade has come to a complete stop, and the blade has been covered by a locking guard.

Resources

The Shop Manual for the Pegas Scroll Bandsaw is available in the library.

- [Pégas Manual](#)

Links to additional information

- [Intro to the Pégas](#)
- [Jeff Vollmer making a doodle](#)
- [Setting up your bandsaw with Jeff Vollmer](#)
- [Bandsaw Safety | WoodWorkers Guild of America](#)