



Hegner Scrollsaw FAQ's



Introduction

At TSL, we love to talk technical. Our expert team of technicians have years of experience of working with Hegner machines, we've combined some of this knowledge into some handy FAQ's.

Can't find the answer you're looking for?

Contact the team today: sales@hegner.co.uk 01743 453293

1. Can I convert my single speed machine into a variable speed machine?

The short answer to this is, yes you can. The main problem with the conversion of a single speed to a variable speed is the need to change the whole motor on your machine. The single-speed motor is not capable of being run at anything lower than its top speed for very long and will quickly burn out if it is attempted. A new variable speed motor comes with all of the parts needed for this conversion.

2. My saw will not start unless pushed.

If your saw ever fails to start when switched on, the first thing to try doing is releasing the tension on the blade. If your saw will work when this tension is released then the capacitor on your machine has become faulty.

You will need to identify the value of the capacitor from the motor plate. You will be looking for a value in the region of 2 to 8 (other common values are 5, 6 and 8) there will be a 'mu'F or uF to show the unit of capacitance – microfarads.



The example shown above is from a very old Multicut 2 – the capacitor required is 3uF.





We only supply the capacitor with trailing leads or the 6.3uF for single speed machines with the capacitor inside the switch box.

Once you are aware of the microfarad reading for this capacitor, you will be able to order a replacement at www.hegner.co.uk if you are unsure about the microfarad reading of your machine please <u>contact</u> our technical team.

Please, be aware of precautions with electrical appliances – switch off the power on the machine and at the wall and allow several minutes for any residual charge in the capacitor to dissipate and disconnect the socket.

If the capacitor is inside the black square switch cover, the plastic stud on the end of the replacement capacitor needs to be removed (using a hacksaw) to fit the replacement capacitor inside.

If the capacitor is at the back of the motor, route the flying leads over the motor similar to the existing method and fix with cable ties.



3. I would like to fit a guard to my machine.

All of the guarding for the Hegner saw's fit onto the hold-down arm which is attached to the top arm of the saw (please see below picture)



This hold-down arm comes with a hold-down foot which has a U shaped wire guard (red line). This wire guard is designed to sit in front of the blade during operation so that you cannot hurt yourself if your hand were to slip. If this guard is missing it can only be replaced with a completely new hold-down foot, item code HM2101.

The other popular type of guard is a plastic enclosure which is attached to the hold-down foot and surrounds the front section of the top arm (please see below picture) this is item code HM1210



All of these items are very easy to fit to your saw.



4. What blade is best for cutting my material?

This question is very dependent on the material that you are trying to cut as well as the intricacy of your intended cut. If you are trying to cut metal you will always want to use a blade designed for metal with as many teeth per inch (TPI) as possible. Cutting acrylic will need a similar profile blade (please note, a variable speed machine is best used for these materials). To prevent splintering on the upstroke you would need to use a "speed reverse" blade, a spiral blade is used to cut around the whole blade. The main thing to think about when selecting a blade grade is how intricate is your design, for smaller more delicate cuts you would use a finer blade grade. The downside to the finer blades is their fragility, whilst the coarser more heavy-duty blades are not as good for the accuracy of their cuts.

5. I need a replacement part for my machine.

If you require any replacement parts for your saws, and you are not sure what the item code is, you can visit the Hegner Saw Spare Parts Finder on the Hegner website, please see the below link.

hegner.co.uk/spare-part-finder

There is also a section on this page to help identify the model of your saw if you are not certain.



6. My tensioning keeps coming loose.

If the tensioning of your saw blade keeps coming loose there are one of three reasons for this.

- 1. There may be some dirt or grease on the threading of your tension rod arm on the back of your machine.
- 2. The V blocks on the tension rod or the v block positions on the arms may have some dirt or corrosion which is not allowing the V blocks to sit correctly, this can be cleaned with a file
- 3. The threading on your tension rod may have become worn to the point that the tension slips, the only resolution at that time is to replace the rod assembly.



7. What is the difference between the different blade clamps?

There are three different versions of the same blade clamp:

HM2023C	Hegner Blade Clamp 0.7mm
HM2023C/1	Hegner Blade Clamp 1mm
HM2023C/5	Hegner Blade Clamp 0.5mm





These sizes relate to the gap between the "teeth" of the clamp. The 0.5mm clamp is capable of holding the finer blades that are used for more delicate cutting but cannot hold the wider coarser blades for more heavy-duty cutting. The 1mm blade clamp is the opposite of that, it can hold the coarser heavy-duty blades but cannot clamp down on the finer blades. The 0.7mm blade clamp is a good middle ground between the two, capable of gripping onto both some of the finer blades and some of the coarser blades.

There is one other type of blade clamp that will fit on Hegner saws known as a "Quick-Clamp for Piercework" (item code HM0450). This item is designed to be fitted to the top arm of your scrollsaw in place of the blade clamp there. This is to enable you to insert and remove a blade from an internal cut much quicker and easier than having to remove the whole blade and clamp assembly.



8. I would like to fit some quick tensioning parts to my machine.

There are three different versions of the same blade clamp:

HM2023C	Hegner Blade Clamp 0.7mm
HM2023C/1	Hegner Blade Clamp 1mm
HM2023C/5	Hegner Blade Clamp 0.5mm





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