

# ATS Diamond Tools

## Granite Fitting Kit - Basic Starter Kit For Kitchen Fitters

This kit is designed for a simple granite installation of pre produced granite counter top blanks. The tools are designed to be used dry and with the kitchen fitter in mind so the requirement to invest in new power tools is reduced as much as possible.

With this kit you will be able to produce straight cuts for a simple fit that includes an over mounted sink and hob cut out. Diamond polishing pads are also included to enable you to polish the cut edges as required.

The kit is made up of the following tools:-

### **150mm x 22.23mm/20mm Laser Welded Segmented Blade:-**

This blade will fit a Festool TS55 or equivalent track saw that accepts a 160mm blade with a 20mm centre bore. Use on the fastest speed available.

### **35mm x M14 Holesaw + M14 to Hex Adapter:-**

This is a vacuum brazed diamond holesaw, it doesn't come with a centre arbour so you need a guide to start it off in the right place. Something as simple as a 35mm hole drilled into a piece of MDF then clamped to the granite is enough, no need to buy special guides.

Use this to core the four corners of a hob or sink cut out.

The holesaw is designed to fit straight onto an angle grinder and operate at 10,000 to 12,000 rpm. It's the speed and the diamond that do the cutting, so don't feel the need to lean on the holesaw or apply excess pressure, this will just shorten its lifespan.

An adapter is also supplied with the holesaw to convert it to be fitted into a drill chuck. We'd advise using a mains powered high speed drill with the hammer action switched off. This will work in a battery drill on the highest speed but will take a while to drill the hole, so an angle grinder/corded power drill is always the first choice if available.

### **20mm x M14 Vacuum Brazed Diamond Finger Bit:-**

Think of this tool as a rotating file, like a router bit but for stone. It will screw straight onto the thread of an angle grinder but you may want to use it on a polishing machine as it gives more control at lower speed.

## **Super Premium Dry Diamond Polishing Pads 100mm 9 piece set + Backer:-**

This is what you use to polish the edges after you've cut them, they are used on a FLEX L1503VR polishing machine (or equivalent) at a target speed of around 3000 rpm.

The backer pad has a hook and loop fitting system (similar to Velcro) and an M14 thread, it simply screws directly onto the thread of the polishing machine to accept the loop backed diamond pads.

The diamond pads come in a nine piece set. They start at #50 grit and finish at #3000 grit with a white and black buff pad. The lower the number the more coarse the pad, so you start with a #50 to remove saw marks and smooth out the granite after cutting. Then progress through the pads until you reach a good level polish. The Buff pads are then used to get the final shine, the white buff on light material, the black buff on dark material. As a rule of thumb the following is where each pad should get you:-

#50, #100 – initial smoothing of material, can also be used to cut the bevel on the top and bottom edge of the granite work piece

#200 – This should provide a honed finish, smooth flat, but dull

#400 – the first level of polishing – satin finish

#800 - #3000 – finer degrees of polish - Buff pads – final finish.

### **Optional Items Available Separately**

#### **FLEX L1503VR Variable Speed Polisher:-**

This is a professional quality polishing machine that is speed variable from 1200 to 3700 rpm and is going to be used for controlled grinding and polishing. If you're planning on fabricating granite regularly this will be a worthwhile investment. If your granite work is infrequent or a one off than any polisher in this speed range will probably do as long as it has an M14 thread. The Flex L1503VR is available in 110v or 230v.

#### **75mm Zero Tolerance Drum M14:-**

You'll only need this tool if you're planning on cutting curves or radii on the corners of the granite. It grinds and squares up the cut edge before you start the polishing process. It has an M14 thread and fits in the FLEX polisher discussed above.

## **Help!**

Not quite sure what you need or what you're doing?

Feel free to call us on 0203 130 1720, or email at [info@atsdiamondtools.co.uk](mailto:info@atsdiamondtools.co.uk)