

Routing Tips

Hang On To That Work Piece

It is understandable that most new router users are a bit timid when dealing with a tool that rotates at 20,000 or more revolutions a minute and makes a lot of noise when running. We see so many beginners who don't take a firm hold of the piece they are feeding into the router, possibly because they think that a light touch will make it easier for them to get out of the way if something goes wrong.

The thing to remember is that no one is fast enough to get out of the way of any power tool. The way to deal with the problem is to make sure that you are in charge of the operation. Hold the piece firmly. As long as you follow the safety rules you will never have to worry about getting out of the way.

The rules are simple enough. Hold the material firmly. Use a push stick whenever possible.

The key to having fun with your router is to work safely at all times.

Remember the direction of feed

When you feed the work into the bit properly, the rotation of the bit holds the material tightly against the fence.

Air Pressure

The most important pressure is downward pressure. If the material is not held firmly down it will tend to pop up and down, or at least tend to chatter. Chatter always produces a bad cut and there is always the possibility that chatter will lead to the piece getting away from you.



Use a Guide Pin

The importance of using a guide pin when routing irregular surfaces, cannot be over emphasized. The pin takes the place of a fence, and when used, the rotation of the bit helps hold the piece against the pin.

Changing Grip

If you have to change your grip on the router, first remove the bit from the stock, then regroup and proceed. Never stop the feed or change your grip while the bit is in contact with the stock.

Additional Tips

Never use your thumbs over the back edge of a piece being fed into the bit. Use a push stick.

Don't wear jewelry or have loose clothing where it can be caught in a rotating bit.

Stay alert. Think about what you are doing, not how you will finish the project once you have completed your routing.

Let the router bit reach full speed before starting the cut.

When the tool is fitted to a table, keep the router table clean. Keep tools and supplies elsewhere.

Sometimes a little piece of paste wax will help smooth the table top, and produce a smooth surface rather than a sticky feed.



Heat Resisting Robust **New Product** Grinder 2,200W



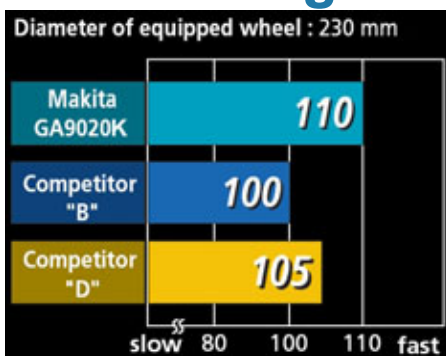
**Makita
GA9020K
230mm
Angle Grinder**

Specifications

- Continuous Rating Input 2,200W Capacity
- Depressed Centre Wheel 230mm
- Wire Cup Brush 110mm
- Cut-Off Wheel 230mm
- No Load Speed 6,600rpm
- Dimensions 473 x 249 x 140mm (L x W x H)
- Net Weight 4.7kg
- Power Supply Cord 2.5m



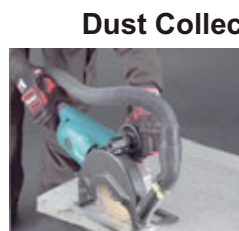
Performance Data: Efficiency of Concrete Cutting



Optional Extras



Anti Vibration AVT Grip



Dust Collecting Wheel Guard



Dust Covers protect motor from metal dust

2

Numbers in the chart above are relative values when setting Competitor "B" capacity as 100. It may differ under some conditions.

Safety Update

The picture on the right shows a Maktec MT952, 115mm angle grinder fitted with a 230mm masonry cutting wheel. This machine was sent in to the Makita Workshop recently, for a "claim repair"! The motor was naturally burnt out and the safety guard was found still in the box which indicates that it had never been used. The incorrect utilization of tools, such as this, results in damage, not only to the equipment, but also to the operator.

As you can see below, this mechanic disregarded the use of a grinder safety guard, did not use a face shield and was using an incorrectly sized cutting wheel with a particular grinder. The result is an accident that could have been avoided had he abided to certain safety hints which you can find to the right of the picture below.



Safety Hints

- Don't use damaged discs.
- Don't use discs that are water damaged.
- Don't use chipped or cracked discs.
- Don't use incorrect disc diameters.
- Use safety flanges for cutting applications.
- Ensure correct bore size.
- Use correct disc composition for best performance
e.g. Hard disc for thin materials.
Soft disc for hard and thick materials.
Inox blade for stainless steel.

8 Point Procedure

(Remember to always have the power disconnected when not operating the tool.)

- 1) Always read the safety and instruction manuals before operating the tool. (The manual will also show you several "how to's" for working with this tool.)
- 2) Inspect the tool. Make sure all parts are attached and are tightened.
- 3) Secure the work piece. (A wide variety of clamps, vises, etc. are available to assist you in securing the piece of work.)
- 4) Make necessary markings on the work piece.
- 5) Make necessary adjustments to the tool.
- 6) Put on safety glasses.
- 7) If you need to raise your voice to be heard while using the tool, wear ear protection.
- 8) Ensure that you are in an appropriate position to operate tool.

The Makita Operation Manual that accompanies each tool also provides safety recommendations specific to each tool.

Additional Safety for Sanders, Polishers & Grinders

- Always use the proper guard with grinding wheel.
- Use only properly rated abrasives, diamond wheels and cup brushes - run them at the recommended speed.
- Hold the tool by the insulated gripping surfaces.
 - Keep hands away from rotating parts.
- Don't use under rated extension cords and always unwind the full length from the drum.

Makita SAFE

Bonus Club

Catalogue 2006

New Items

NEW!



MAKITA
TAPE MEASURE
10 Points
Cash Value : R5.00
Stock Code : 180452

NEW!



MAKITA
NAVY CAP
20 Points each
Cash Value : R10.00
Stock Code : 180309

NEW!



MAKITA
BRAAI APRON
120 Points
Cash Value : R60.00
Stock Code : 180481

NEW!



MAKITA
RED T -SHIRTS
30 Points each
Cash Value : R15.00
Stock Codes:
"L" 180210
"XL" 180211
"XXL" 180212

NEW!



MAKITA
RAIN UMBRELLA
BLACK
70 Points
Cash Value : R35.00
Stock Code : 280222

NEW!



MAKITA
RAIN UMBRELLA
RED
70 Points each
Cash Value : R35.00
Stock Code : 280223

NEW!



MAKITA
SAFETY KIT
80 Points
Cash Value : R40.00
Stock Code : 180700

Hobby X Exhibition

Cape Town

The picture on the right shows the Rutherford Makita stand at the recent Hobby X Exhibition, which took place at the Cape Town International Conference Centre. Rutherford had a range of Makita models on display, concentrating on the new models such as the bench grinders. Also on display and demonstration was the new Makita models which included the LF1000 flip over saw, a mitre saw and circular saw bench in one and the Model LS1214L which is a compound pull action mitre saw with laser light for increased accuracy and ease of operation. The stand was situated next to Hardware Centre and amongst a few other woodworking related stands which created a woodworkers area that attracted positive attention. The show was held over four days, during which time the products gained a lot of exposure and good branding with good follow through sales.



Knysna Equipment Hire Demo

On the 21st of June 2006 Makita held a demonstration day at Knysna Equipment Hire. Every year they arrange a "Makita Day" on their premises. Customers are invited to visit and see demonstrations of new tools and meet with the Makita Team. Luckily the weather was satisfactory and Makita products attracted a good deal of interest. Makita now has a new, smaller demonstration trailer, based with Eddie van Wyk, our area representative in the Southern Cape.



This was the first time Makita was able to test this new trailer, which worked well for the team. They will now be able to do more local "customer day" demonstrations in the future. Contact that is made with the end user and Makita products is always welcome, where both learn more about the product and its uses.



Editors Notes

Congratulations to **Theo Baumann** from Bolt & Engineering Distributors in Mpumalanga who won the BO3700 Orbital Sander on offer in the May Competition after he correctly answered that the BO5010 Random Orbital Sander is the sander, best suited, for the purpose of high yield performance of stock removal. Look out for more competitions in future MaktimesSA Editions.

We hope you enjoyed reading this month's MaktimesSA and we encourage readers to send photographs and details of the events that you feel would make interesting reading to marketing@rutherford.co.za.

Best Regards
Makita SA Marketing Department

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