

## Easy Handling and Superior Structure

## New Product Die Grinder GD0600 6mm



**Small-Circumference Housing for Easy Handling**

**Anti-Dust Motor Section**

**Stepped Neck of Solid Aluminum Housing**  
By removing the Insulation cover, Side Handle (optional accessory) can be attached to the neck.



**OPTIONAL Side Handle Set**

**Easy-to-Operate Paddle Type On/Off Switch**  
Allows for one-hand operation.

**Round-Shaped Collet Nut**  
Reduces the possibility of damages/ scratches to workpiece.

Vent slots designed to direct the exhaust air stream away from the user.

**Low Noise Design**  
Noise level under no load;  
Makita GD0600: 73dB(A)  
Competitor D's model: 79dB(A)

**Paddle Switch**  
**Lock Off Button**



**Double Insulation**

**Standard Equipment**  
Collet Cone, Wrench (2pcs.)(Tool does not come with wheel point)

**SPECIFICATIONS**

<b>Continuous rating Input</b>	400W
<b>Capacity</b>	Collet : 6mm
<b>Wheel dia.</b>	38mm
<b>No load speed</b>	25,000rpm
<b>Dimensions (L x W x H)</b>	358mm x 82mm x 82mm
<b>Net weight</b>	1.6kg
<b>Power supply cord</b>	2.5m

# The Basics of Biscuit Joinery

Most woodworking projects require at least some assembly. This is especially true for projects such as tables, cabinets or bookcases where wide panels must first be built up from several narrow boards.

Traditionally, woodworkers have used dowels for these assemblies. As you might expect, dowels add strength to certain types of joints, but they serve an equally important function by keeping the pieces properly aligned during assembly and gluing. The major drawback with doweling, however, is that each hole must be perfectly positioned or the individual pieces simply won't go together. Even a slight error can cause a lot of pounding and frustration.

During the 1950's a new assembly system called biscuit joinery was developed in Europe. This system uses flat wooden wafers or biscuits which are glued into semi-elliptical slots on each side of the joint. Due to the shape of the biscuits, the exact location of the slot is much less critical than a dowel hole. Minor adjustments can even be made during assembly. Therefore projects go much more quickly and yet there is no sacrifice in strength or overall performance. That's why biscuit joinery is rapidly becoming the preferred assembly system for professional furniture and cabinet makers worldwide.

In addition to its advantages for panel assembly, biscuit joinery can often be used to replace more complicated and time consuming techniques including spline, tongue-and-groove, mortise-and-tenon and dado joints.

## Biscuit Sizes and Construction

Most biscuits are produced from select grades of beech. For maximum strength, the grain is oriented at a 45° angle to the long axis of the biscuit. During production, biscuits are exposed to many tons of pressure which compresses the fibers and produces a waffle-like surface for better glue absorption and adhesion.

When glue is applied to the biscuits, the moisture in the glue causes the biscuits to expand by about 15% of their original thickness and the joint becomes tight. As this expansion occurs very quickly, glue should never be applied to the biscuits until you are ready for final assembly. Biscuits should also be protected against water or extremely high humidity. A coffee can with a tight fitting lid makes a good storage container.

Biscuits are available in three different sizes to meet a variety of applications.

**#0** biscuits are best for joining smaller workpieces and for edge-to-edge assemblies where high stress is not anticipated. They are also useful for joining narrow pieces such as cabinet frames end-to-edge.

**#10** biscuits are recommended for general purpose joinery on all types of projects.

**#20** biscuits are recommended for use on larger projects or joints-such as a table skirt and leg-which will be subject to high stress or twisting forces. They also provide greater penetration and a larger gluing surface, so they are well suited for plywood or particle board applications.

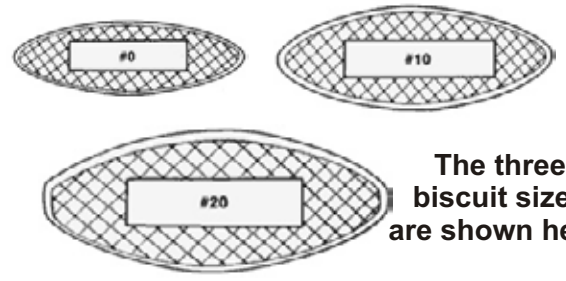


**Makita Model 3901**

### SPECIFICATIONS

<b>Blade diameter</b>	100mm
<b>Max. Cutting depth</b>	20mm
<b>Continuous rating input</b>	590W
<b>No load speed</b>	11,000r/min
<b>Overall length</b>	307mm
<b>Net weight</b>	2.8kg
<b>Power supply cord</b>	2.5m

Double Insulation, Dust Collecting, Carrying Case  
**SEE PAGE 4 FOR A VALUPAC DEAL ON THIS MODEL**



**The three biscuit sizes are shown here.**

## Some of the important features and capacities of the biscuit joiner are:

- Spring-loaded workpiece guide and safety guard which help to improve operator confidence and safety.
- Engraved centerline on the guide permits easy alignment of workpiece.
- Adjustable depth stops and guide rod grooves permit easy use of three different biscuit sizes (#0, #10 and #20) for a variety of applications.
- The rubber facing provides more positive control and reduces kick-backs.
- Carbide-tipped blade will provide years of normal service without sharpening.
- Built-in dust chute for easy attachment of standard dust collection hoses.

## ValuePac 10 SPECIAL

Offer valid until 24 November 2006 while stocks last.  
All prices include V.A.T at 14%



Angle Grinder 230mm  
Model GA9020K  
including Makita Carry Case

**R1225**

**NEW**  
2200W  
Motor

Plunge Type Routers  
Model 3612 and 3612C  
including Makita 1 Litre Flask



**R2795**  
3612



Rotary Hammer SDS Plus  
Model HR3000C  
including Makita Screwdriver Set

**R4295**

**R3695**  
3612C



**R1495**

Cordless Driver Drill 12V  
Model 6270DWALE  
including Makita ML120(12V) Torch

with two  
2.0 Ah  
Batteries



Cordless Percussion Driver Drill 18V  
Model 8444DWAE  
including Makita Carry Case

**R2695**



Impact Drill 20mm  
Model HP2050  
including Makita Screwdriver Set

**R1195**



**R775**

Impact Drill 13mm  
Model HP1620  
including Makita Pliers Set

Portable Steel  
Cut-Off Machine  
355mm  
Model 2414NB  
including Makita Large Tool Bag



**R1895**



Random Orbital Sander 125mm  
Model BO5010  
including Makita Sanding Discs

**R825**

**Safety Warning**  
This extension cord has been designed for use with double insulated power tools ONLY with a maximum power rating of 16Amp.



**R1995**

Orbital Sander 115mm  
Model 9046  
including Makita Small Tool Bag



Belt Sander 100mm  
Model 9403  
including Makita Small Tool Bag

**R2425**



Angle Grinder 230mm  
Model 9059  
including Makita 10m Extension Cord

**R1695**

Circular Saw 235mm  
Model 5903RK  
including Makita Carry Case

**R2895**



Drywall Screwdrivers  
Model 6823, 6824 and 6825  
including Makita Pliers Set



**R1295** each

Standard Blower / Vacuums  
Model UB1100 and UB1101  
including Makita 5m Extension Cord

**Safety Warning**  
This extension cord has been designed for use with double insulated power tools ONLY with a maximum power rating of 16Amp.



**R725** UB1101      UB1100 **R625**

**NOW**  
with Laser  
Marker

Slide Compound Mitre  
Saw 255mm  
Model LS1013L  
including Makita  
Stand

**R7795**



## Makita SAFE



Power Planer 82mm  
Model 1902K  
including Makita  
Carry Case **R1395**



Biscuit Joiner  
Model 3901  
including Makita  
Small Tool Bag **R2495**

Jig Saw 400W  
Model 4324K  
including Makita Pliers Set

**R795**



Jig Saw 720W  
Model 4340FCT and 4341FCT  
including Makita Pliers Set

**R1795** each



Sander Polisher 180mm  
Model 9227CB  
including Makita  
Small Tool Bag

**R1995**



Rotary Hammer 24mm  
SDS Plus  
Model HR2440 & HR2450  
including Makita  
Screwdriver Set

**R1795**  
HR2440

**4**



Angle Grinder 115mm  
Model 9557NB  
including  
Makita  
5m Extension  
Cord

**R795**

**Safety Warning**  
This extension cord has been designed for use with double insulated power tools ONLY with a maximum power rating of 16Amp.



Angle Grinder 125mm Model 9015B  
including Makita Large Tool Bag

**R1395**

HR2450  
**R1895**

## Makita Sponsored V8's Joburg

Makita has moved into sponsoring an exciting new V8 Motorsport Series, which was launched on the 17th of May 2006 at the Wesbank Raceway in Johannesburg.



To the left is the V8 powered racing vehicle, driven by Peter Lindenberg

### Remaining races in the V8 Series

5	30 September (Sat)	Zwartkops	Road Circuit
6	28 October (Sat)	WesBank Raceway	400 metre oval
7	4/5 Nov. (Sat&Sun)	WesBank Raceway	Road Circuit
8	16 December (Sat)	WesBank Raceway	1 km Oval

The new series will test the drivers across short 400m ovals, large ovals and road circuits around the country. Formerly known as "SASCARS", the V8's race "NASCAR" style cars that are all identical, so racing is won on ability and not budget, and all the cars, which are robust and safe, are constructed in South Africa. What is unique about the V8 Series is that it makes it possible for four development drivers to participate at the highest level of South African motorsport. Five prospective development drivers have been selected, of which four will race, and all will be trained by motor racing legend Peter Lindenberg who wishes to support motorsport development before he retires from racing in two years. The cars will be prepared by Lindenberg Racing, which is based at WesBank Raceway, facilitating their training as it has both a large and short oval, and two road circuits. The 2006 season will see 8 races in the series, two of which have already taken place on short ovals (WesBank Raceway and Richards Bay) and two on the larger oval, which leaves, for the remainder of the season, one short oval race at Wesbank Raceway, one large oval race at the same venue and two on road circuits - one at Zwartkops and one at WesBank Raceway. The V8 Series, which has been growing by a new entrant at each round, has seen three different winners in the four rounds held to-date, and only five points separates championship leader Peter Lindenberg and Ross Lazarus who won the first and second rounds respectively. However all eyes will be on young Seef Fourie who made his debut at round 2 when he come second; was the winner at the series first away race in Richards Bay and the winner of the last round at the large oval at Wesbank Raceway in August where he was invincible. Makita will also be sponsoring more cars in different racing events, under the Lindenburg Racing setup, in the future.

## Editors Notes

In this edition we focus on the new Makita Die Grinder, model GD0600, which has outstanding features including an ergonomically designed slim body for grinding in tight spots, internal labyrinth construction which seals motor and bearings from contamination, aluminium housing and a paddle type on/off switch.

Also, in this edition, we show you our ValuePac items, which are valid until the 24th of November 2006 while stocks last.

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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