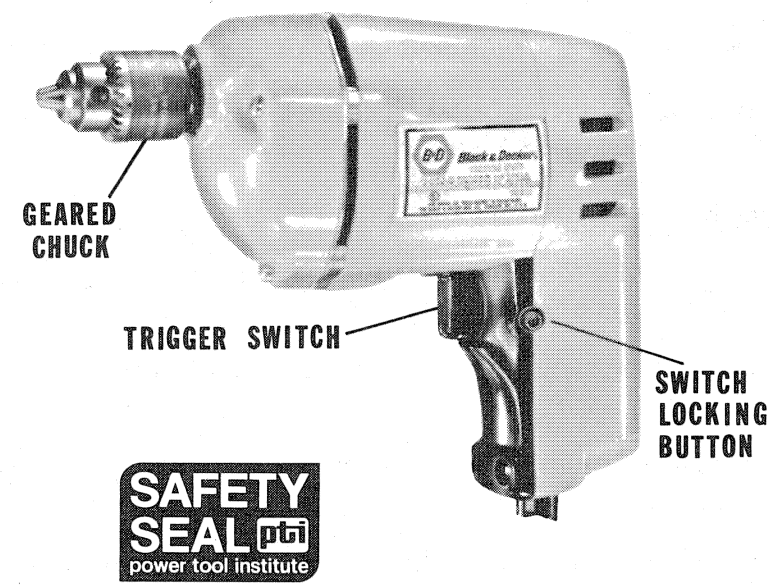


OWNER'S MANUAL



1/4" DRILL # 7000

Capacity: 1/4" holes in steel; 1/2" in hard-wood. 115 Volts A.C. 1.9 Amps. 1/7 H.P. 2250 R.P.M.

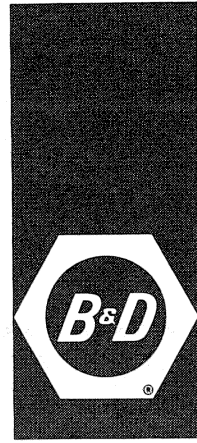
3/8" DRILL # 7100

Capacity: 3/8" holes in steel; 3/4" in hard-wood. 115 Volts A.C. 2.0 Amps. 1/7 H.P. 1000 R.P.M.



SAFETY RULES FOR POWER TOOLS

- 1) **KNOW YOUR POWER TOOL** — Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.
- 2) **GROUND ALL TOOLS — UNLESS DOUBLE-INSULATED.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If adapter is used to accommodate two-prong receptacle, the adapter wire must be attached to a **known ground.** **Never** remove third prong.
- 3) **KEEP GUARDS IN PLACE** and in working order.
- 4) **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- 5) **AVOID DANGEROUS ENVIRONMENT.** Don't use power tool in damp or wet locations. And keep work area well lit.
- 6) **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
- 7) **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place — out of reach of children.
- 8) **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
- 9) **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool.
- 10) **WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
- 11) **USE SAFETY GLASSES** with most tools. Also face or dust mask if cutting operation is dusty.
- 12) **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
- 13) **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- 14) **DON'T OVERREACH.** Keep proper footing and balance at all times.
- 15) **MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 16) **DISCONNECT TOOLS.** When not in use, before servicing; when changing accessories such as blades, bits, cutters, etc.
- 17) **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 18) **AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tool with finger on switch.



Black & Decker.
POWER TOOLS

THE BLACK & DECKER MFG. CO., TOWSON, MD. 21204, U.S.A.
Form No. 97711 AL

Printed in U.S.A.

GROUNDING

EVERY ELECTRIC TOOL SHOULD BE GROUNDED while in use to protect the operator against shock. This unit is equipped with approved 3-conductor cord and 3-blade grounding type attachment plug to be used with the proper grounding type receptacle. The green colored conductor in the cord is the grounding wire. Never connect the green wire to a "live" terminal.

If your unit requires less than 150 volts, it has a plug that looks like fig. "A". A special grounding adapter (Fig. "B") is available from your dealer to permit using 2-wire receptacle until the correct receptacle is properly installed. The green grounding wire extending from the side of the adapter must be connected to a PERMANENT GROUND such as a properly grounded outlet box.

If you use an extension cord, be sure that it is a 3-conductor, grounding-type cord. Grounding must be continuous from the tool plug to a grounded receptacle.

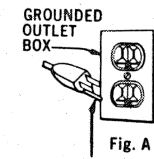


Fig. A

GROUNDING BLADE IS THE LONGEST OF THE 3 BLADES

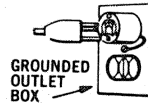
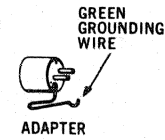


Fig. B

EXTENSION CORD

When using the tool at a considerable distance from power source, a 3-conductor, grounding-type extension cord of adequate size must be used for safety, and to prevent loss of power and over-heating. Use the table at right for 115 volt tools. For 220-volt tools, see same chart but use a wire size corresponding to an extension cord length shown which is $\frac{1}{2}$ the length of extension to be used. P.T.I. Safety Rule #12 applies to Extension Cords as well as the Tool Power Cord. Before using cords, inspect them for loose or exposed wires and damaged insulation. Make any needed repairs or replacement before using your power tool.

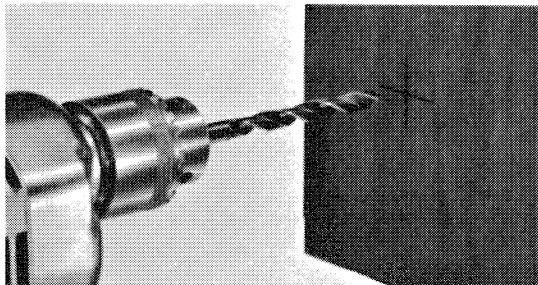
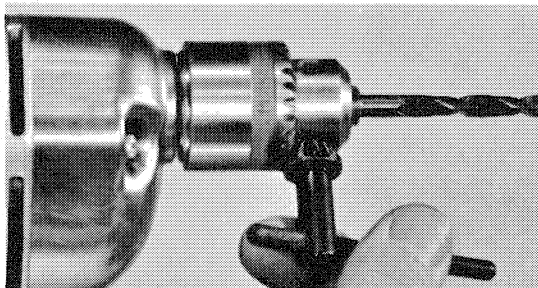
Ext. cable length
in feet.....25 50 75 100 150 200

Required wire size
(A.W.G.) in cable..18 18 18 18 16 16

SWITCH

To start drill, depress trigger switch; to stop drill, release trigger. To lock trigger in "ON" position for continuous operation, depress trigger and push in locking button (located next to trigger). To release locking mechanism, depress trigger and release.

DRILLING



INSERTING DRILL BIT IN CHUCK

Turn collar to open chuck jaws. Place bit in chuck so that end rests on chuck bottom. Tighten chuck collar by hand. Place chuck key in each of the three holes, and tighten in clockwise direction. It's important to tighten chuck with all three holes. This is a safety feature that prevents bit slippage and motor damage. To release bit, turn chuck key counter-clockwise in just one hole, then loosen chuck by hand.

STARTING THE HOLE

A drill bit will slip around on a smooth surface. To overcome this, center punch an indentation at the point to be drilled. Place chucked drill bit in the indentation and turn drill 'ON'.

CARE IN DRILLING

Twist drills are brittle and will break if enough bending stress is applied. To avoid stress on the drill bit, try extending your index finger along the side of the drill-housing with your middle finger on the trigger. Remember—guide, the tool, don't force it! Should the tool become overheated, run it with no load. Because of the drill's construction, it will cool faster running than by stopping it.

TO REMOVE CHUCK for using a threaded shank accessory, first insert key into chuck key hole. Then strike the key sharply with a piece of wood in the direction the chuck rotates when the Drill is turned "ON." This will loosen the chuck shank threads and the chuck may be unscrewed from the Drill.

DRILLING IN METAL

Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry. The cutting lubricants that work best are sulphurized cutting oil or lard oil; bacon grease will also serve the purpose. Aluminum is best drilled with turpentine or kerosene.

DRILLING IN WOOD

Holes in wood can be made with the same twist drills used for metal. These bits may overheat unless pulled out frequently to clear chips from the flutes. For larger holes, use Power Drill Wood Bits with a shank size that will fit your drill's chuck. Work that is apt to splinter should be backed up with a block of wood. Let up on the pressure just before the tip cuts through, this will give a good clean hole. Always leave the drill running when pulling it back out of a drilled hole, this prevents jamming.

DRILL ACCESSORIES

(Available from your Dealer)

DRILL STAND

Gives you the accuracy of a drill press, yet the drill can be removed in a few moments for free-hand work.

HORIZONTAL STAND

This stand converts your drill into a bench machine and frees your hands for buffing, grinding and polishing.

HOLE SAWS

Cut clean, round holes in wood and compositions up to $\frac{3}{4}$ " thick. Increases the drilling capacity of $\frac{1}{4}$ " Drills to $1\frac{1}{8}$ " holes; $\frac{3}{8}$ " Drills to $2\frac{1}{2}$ " holes. Can be used also on "light metals."

TWIST DRILL BITS

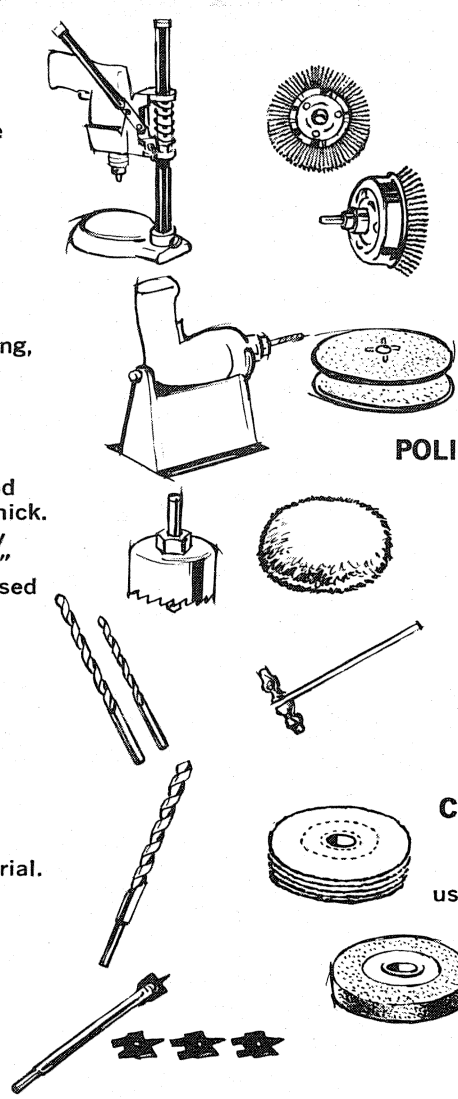
Made of High Speed Steel and will drill wood, steel and plastics.

CARBIDE-TIPPED BITS

For drilling in brick, cement, cinder block and similar material.

WOOD BIT SET

For boring $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ " or 1" holes in wood, plywood, masonite, etc.



WIRE WHEEL BRUSHES

These brushes are real labor savers when you have to remove rust, old paint or caked dirt from metal or wood.

SANDING DISCS

Circular discs for your drill come in grades ranging from very coarse, for fast stock removal, to extra fine for smooth finishing.

POLISHING PADS & BONNETS

With the proper compound, you can polish brass, chrome, the car, rub paint and varnish to a beautiful luster.

PAINT MIXER

Mixes paint more thoroughly than hand stirring

COTTON BUFFING WHEELS

Mounted on a wheel arbor, cotton buffing wheels are useful for polishing metal fittings, silverware and plastic.

GRINDING WHEELS

Grinding wheels can be used for sharpening axe heads, tools and many other household supplies.

GUARANTEE

Black & Decker guarantees, for one year from date of purchase, to correct by repair or parts replacement without charge any defect due to faulty material or workmanship. Simply return the complete unit, transportation prepaid, to any Black & Decker Service Center or Authorized Service Station. Naturally, we assume no responsibility for damage caused by misuse, careless handling or where repairs have been made or attempted by others. No other guarantee, written or verbal, is authorized by us.

IF THE TOOL WON'T RUN

First, check the outlet by plugging in another tool or lamp. If these don't work, check the service panel for blown fuses. If current is present, check plugs and sockets for tight fits. If there is something wrong with the tool, don't attempt any major repair on your own. Take it or send it to the nearest Service location shown below for repair. A free parts diagram of your B&D tool is available by writing the Black & Decker Factory Service Center nearest you.

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