

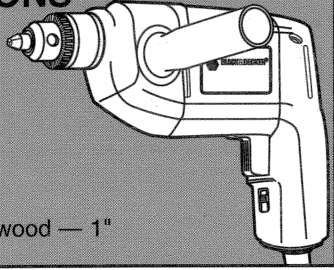
INSTRUCTIONS

DOUBLE INSULATED 1/2" DRILL

#7204

Drilling Capacity:

Steel — 1/2"; Hardwood — 1"



Power supply: 120 volts, 50/60 Hz (normal house current)

WARNING: When using electric tools, basic safety precautions should always be followed to reduce risk of fire, electric shock, and personal injury, including the following:

READ ALL INSTRUCTIONS

Double Insulation

Double insulated tools are constructed throughout with two separate layers of electrical insulation or one double thickness of insulation between you and the tool's electrical system. Tools built with this insulation system are not intended to be grounded. As a result, your tool is equipped with a two prong plug which permits you to use extension cords without concern for maintaining a ground connection.

NOTE: Double insulation does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

CAUTION: WHEN SERVICING USE ONLY IDENTICAL REPLACEMENT PARTS. Repair or replace damaged cords.

Polarized Plugs

Polarized plugs (one blade is wider than the other) are used on equipment to reduce the risk of electric shock. When provided, this plug will fit into a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

Safety Instructions For All Tools

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Do not use tool in presence of flammable liquids or gases.
3. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, and refrigerator enclosures.
4. **KEEP CHILDREN AWAY.** Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
5. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
6. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
7. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
8. **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid

footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.

9. **USE SAFETY GLASSES.** Also use face or dust mask if operation is dusty.
10. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
11. **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.
12. **DON'T OVERREACH.** Keep proper footing and balance at all times.
13. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. **DISCONNECT OR LOCK OFF TOOLS** when not in use, before servicing, and when changing accessories, such as blades, bits, cutters.
14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. **AVOID UNINTENTIONAL STARTING.** Don't carry tool with finger on switch. Be sure switch is off when plugging in.
16. **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Minimum Gage for Cord Sets

Volts	Total Length of Cord in Feet		
	0-25	26-50	51-100
120V			101-150
240V	0-50	51-100	101-200
			201-300

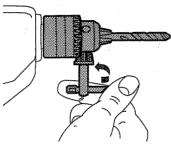
Ampere Rating	AWG				
	More Than	Not more Than			
0	-	6	18	16	14
6	-	10	18	16	14
10	-	12	16	16	14
12	-	16	14	12	Not Recommended

17. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.

CAUTION: When drilling or driving into walls, floors or wherever live electrical wires may be encountered, DO NOT TOUCH ANY METAL PARTS OF THE TOOL! Hold the tool only by insulated grasping surfaces to prevent electric shock if you drill or drive into a live wire.

SAVE THESE INSTRUCTIONS

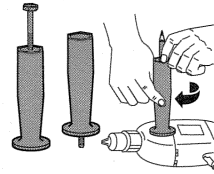
UNPLUG DRILL! Turn collar to open chuck jaws. Insert accessory shank into chuck as far as it will go. Tighten chuck collar first by hand, and then with chuck key using all three holes. To release shank, turn chuck key counterclockwise in just one hole, then loosen chuck by hand.



ATTACHING SIDE HANDLE

Drop the hexagon-head bolt into the handle and shake the handle if necessary until the bolt threads protrude at the bottom. Grasp the threads with two fingers and pulling down, twist the bolt until it will no longer turn (there is a hexagon-shaped recess inside the handle and the bolt head should fit down into it to keep the bolt from turning).

Place the drill on its side as shown, and holding the bolt down with a pencil or screwdriver, turn the handle clockwise to thread it completely and firmly into the threaded hole in the drill.



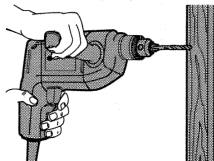
SWITCH

To start drill, depress trigger switch; to stop drill, release trigger. To lock trigger in ON position for continuous operation, depress trigger and push up locking button (located below trigger), then gently release trigger. To release locking mechanism, depress trigger fully, then release it.

Do not lock the switch ON when drilling by hand so that you can instantly release the trigger switch if the bit binds in the hole. Be sure to release the switch locking button before disconnecting the plug from the power supply. Failure to do so will cause the tool to start immediately the next time it is plugged in. Damage or injury could result.

DRILLING

1. Unplug the drill when attaching or changing bits or accessories.
2. Use sharp drill bits only. For WOOD, use twist drill bits, spade bits, power auger bits, or hole saws. For METAL, use high speed steel twist drill bits or hole saws. For MASONRY, such as brick, cement, cinder block, etc., use carbide-tipped bits.
3. Be sure the material to be drilled is anchored or clamped firmly. If drilling thin material, use a wood "back-up" block to prevent damage to material.
4. Center-punch an indentation at the point to be drilled. This will overcome tendency of bit to slip around on a smooth surface. Place the tip of bit in indentation and turn motor ON.
5. Always apply pressure in a straight line with the bit. Use enough pressure to keep drill biting, but do not push hard enough to stall motor or deflect bit. To minimize stalling on breaking through the material, reduce pressure on drill and ease the bit through last part of hole.
6. Hold drill firmly with both hands, using the side handle to help control the twisting action of the drill.
7. THE DRILL STALLS if it is being overloaded or improperly used. RELEASE TRIGGER IMMEDIATELY, remove drill bit from work, and determine cause of stalling. DO NOT CLICK TRIGGER OFF AND ON IN ATTEMPT TO START A STALLED DRILL.
8. Keep motor running when pulling bit back out of a drilled hole. This will help prevent jamming.
9. Use a cutting lubricant when drilling metals. The exceptions are cast iron and brass which should be drilled dry. The cutting lubricant that works best is sulphurized cutting oil.



Cleaning & Lubrication

Use only mild soap and damp cloth to clean the tool. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Self-lubricating bearings are used in the tool and periodic relubrication is not required. In the unlikely event that service is ever needed, service center addresses are packed with your tool.

Important

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by authorized service centers or other qualified service organizations, always using identical replacement parts.

Accessories

Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center. A complete listing of service centers is located at the end of this manual. If you need assistance in locating any accessory for your tool, please contact:

Black & Decker (U.S.) Inc.
Consumer Service Department
626 Hanover Pike, P.O. Box 618
Hampstead, MD. 21074-0618

CAUTION: The use of any other accessory not recommended for use with this tool could be hazardous.

Recommended accessories for use with your drill are listed below (CAUTION: The use of any other accessories or attachments might be hazardous). For safety in use, the following accessories should be used only in the sizes specified below:

BITS, METAL DRILLING—Up to 1/2"
BITS, MASONRY DRILLING—Up to 1/2" diameter
BITS, WOOD DRILLING—Up to 1" diameter
HOLE SAWS—Up to 2" diameter
WIRE BRUSHES—Up to 3" diameter
GRINDING WHEELS—Type 1 only up to 2" diameter, up to 1/2" thick
BUFFING WHEELS—Up to 4" diameter
BACKING PADS—4-5/8" diameter
SANDING DISC & POLISHING BONNETS—Up to 5" diameter.

Use any Black & Decker consumer drill accessories whose recommended speed is 3200 RPM or higher.

Full Two-Year Home Use Warranty

Black & Decker (U.S.) Inc. warrants this product for two years against any defects that are due to faulty material or workmanship. Please return the complete unit, transportation prepaid, to the seller (if a participating retailer) for free replacement (proof of purchase may be required). This unit may also be returned to a Black & Decker service center or authorized service station, listed under "Tools-Electric" in the yellow pages for free replacement or repair at our option. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact your nearest Black & Decker service center manager.

Every Black & Decker tool is of the highest quality. If you wish to contact us regarding this product, please call toll free between 8:00 a.m. and 8:00 p.m. ET, seven days a week.

1-800-762-6672

Black & Decker (U.S.) INC., U.S. Power Tools Group 701 E. Joppa Road, Towson, MD 21286