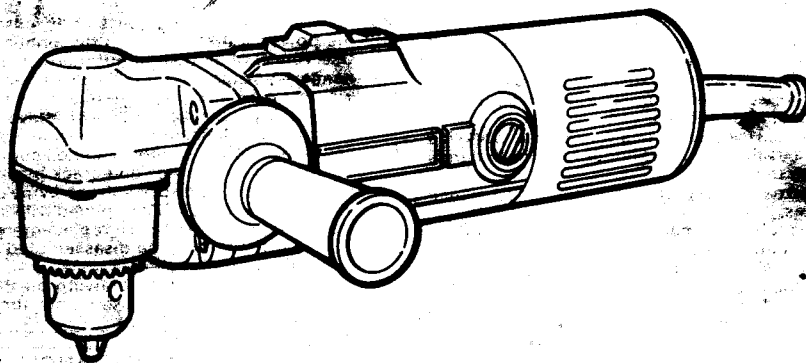


HITACHI

**ANGLE DRILL
WINKELBOHRMASCHINE
PERCEUSE ANGULAIRE
TRAPANO ANGOLARE
HOBKEOORMACHINE
TALADRO EN ÁNGULO**

D 10YA



Read through carefully and understand these instructions before use.
Diese Anleitung vor Benutzung des Werkzeugs sorgfältig durchlesen und verstehen.
Lire soigneusement et bien assimiler ces instructions avant usage.
Prima dell'uso leggere attentamente e comprendere queste istruzioni.
Deze gebruiksaanwijzing s.v.p. voor gebruik zorgvuldig doorlezen.
Leer cuidadosamente y comprender estas instrucciones antes del uso.



Handling instructions
Bedienungsanleitung
Mode d'emploi
Istruzioni per l'uso
Gebruiksaanwijzing
Instrucciones de manejo

STANDARD ACCESSORIES

- (1) Chuck wrench 1
 (2) Side handle 1

Standard accessories are subject to change without notice.

APPLICATIONS

- Drilling holes on various metal, lumber and plastics.

PRIOR TO OPERATION

1. Power source

○ Ensure that the power source to be utilized conforms and conforms to the power requirements specified on the product nameplate.

2. Power switch

Ensure that the power switch is in the OFF position. If the plug is connected to a power receptacle while the power switch is in the ON position, the power tool will start operating immediately, inviting serious accident.

3. Extension cord

When the work area is removed from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.

4. Mounting drill bits

Tighten drill bits with the chuck wrench. There are three holes in which the chuck wrench should be inserted. Tighten them equally in turn at three holes, without tightening them only at one hole. The drill bit can be removed in the opposite method as mentioned above.

5. How to select drill bits

- (1) When drilling holes in metals or plastics:
Use ordinary metalworking drill bits, applicable drill sizes range from min. 1.5 mm to drill chuck capacity.
 (2) When drilling holes in lumber:
Use woodworking drill bits. For small holes of 6.5 mm diam. or below, use metalworking drill bits.

6. Fixing the side handle

○ Screw the side handle into the gear cover.

HOW TO USE

1. Pressing force of drill

You can not get holes quickly even if pressing it by strong force more than necessary. It not only damages the tip of drill bits and decreases the efficiency of operation, but also shortens the life of the drill.

2. When drilling completely through the material

When the drill bit bores completely through the material, careless handling often results in a broken drill bit or damage to the drill body itself due to the sudden movement of the drill. Always be alert and ready to release pushing force and hold the drill body securely with both hands when drilling through the material.

3. Adjusting the drilling speed

D10YA is equipped with electric control circuit

which enables non-step speed control.

To adjust the speed, turn the dial shown in Fig. 1. When the dial is set to "1", the drilling speed is minimum speed (300/min). When the dial is set to "5", the drilling speed is maximum speed (2300/min). Adjust the drilling speed according to the material.

MAINTENANCE AND INSPECTION

1. Inspecting the drill bits

Since use of an abraded drill bits will cause motor malfunctioning and degraded efficiency, replace the drill bits with a new one or resharpening without delay when abrasion is noted.

2. Inspecting the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

3. Maintenance of the motor

The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.

4. Inspecting the carbon brushes (Fig. 2)

The motor employs carbon brushes which are consumable parts. Since an excessively worn carbon brush could result in motor trouble, replace the carbon brush with a new one which has the same carbon brush No. shown in Fig. 2 when it becomes worn to or near the "wear limit". In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.

5. Replacing a carbon brush

Disassemble the brush cap with a minus-head screwdriver. The carbon brush can then be easily removed.

NOTE

Due to HITACHI's continuing program of research and development, the specifications herein are subject to change without prior notice.

- This appliance is produced to conform to the requirements of B.S.800: 1977.
 ○ This requirement is applicable to appliances for UNITED KINGDOM.

GENERAL OPERATIONAL PRECAUTIONS

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. Don't use tool in presence of flammable liquids or gases.
Power tools produce sparks during operation. They also spark when switching ON/OFF. Never use power tools in dangerous sites containing lacquer, paint, benzine, thinner, gasoline, gases, adhesive agents, and other materials which are combustible or explosive.
3. Guard against electric shock. Prevent body contact with grounded surfaces. For example, pipes, radiators, ranges, 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 - for example - don't use circular saw for cutting tree limbs or logs.
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 cutting 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.
14. Disconnect tools. When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.
15. Remove adjusting keys and wrenches. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
16. Avoid unintentional starting. Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
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 or off.
20. Do not use power tools for applications other than those specified in the Handling Instructions.
21. The use of any other accessory or attachment other than recommended in this handling instructions or the HITACHI catalog may present a risk of personal injury.
22. Repairing must be done only by authorized service facility. Manufacturer is not responsible for any damages and injuries due to the repair by the unauthorized persons as well as the mishandling of the tool.
23. To ensure the designed operational integrity of power tools, do not remove installed covers or screws.
24. Do not touch movable parts or accessories unless the power source has been disconnected.
25. Use your tool at lower input than specified on the nameplate; otherwise, the finish may be spoiled and working efficiency reduced due to motor overload.
26. Do not wipe plastic parts with solvent. Solvents such as gasoline, thinner, benzine, carbon tetrachloride, alcohol, ammonia and oil containing chloric annex may damage and crack plastic parts. Do not wipe them with such solvent. Wipe plastic parts with a soft cloth lightly dampened with soapy water.
27. Use only original HITACHI replacement parts.
28. This tool should only be disassembled for replacement of carbon brushes.
29. The exploded assembly drawing on this handling instructions should be used only for authorized service facility.

PRECAUTIONS ON USING ANGLE DRILL

1. Hold the drill and side handle securely with both hands when using.
2. Do not wear gloves made of stuff liable to roll up such as cotton, wool, cloth or string, etc.
3. Prior to drilling into walls, ceilings or floors, ensure there are no electric cables or conduits inside.

SPECIFICATIONS

Voltage (by areas)*	(110V, 115V, 120V, 127V, 220V, 230V, 240V) ~
Input*	400 W
No-load speed	300 ~ 2300/min
Drill chuck capacity	10 mm
Capacity: Steel	10 mm
Wood	15 mm
Weight (without cord)	1.7 kg

* Be sure to check the nameplate on product as it is subject to change by areas.