



说明书材质要求：105g 有光铜版纸	说明书成品尺寸：105*143mm
Black（单色印刷）	
折叠方式：风琴折	备注：
特别注意：此页内容不印刷	

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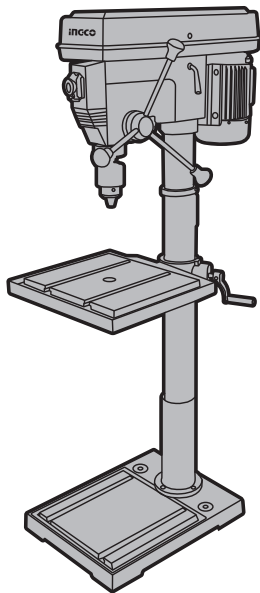
更改记录	1. 说明书内容取用DP207505		1. 加-5p货号			
			Base size: 545mm×430mm改为625mm×372mm			
						
	0324.V01	2024.03.21	YJJ	0424.V02	2024.4.16	xi
	版本号	日期	设计师	版本号	日期	设计师

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**PRODUCT
MANUAL**

DRILL PRESS



DP3211005 DP3211005xy UDP3211005 UDP3211005xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)



SCAN FOR VIDEO

GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way.** **Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or remove the battery**

pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.**
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

THE SYMBOLS IN INSTRUCTION MANUAL

	Double insulated for additional protection
	Read the instruction manual before using.
	CE conformity.
	Safety alert. Please only use the accessories supported by the manufacturer.
	Wear safety glasses, hearing protection and dust mask.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

ADDITIONAL SAFETY WARNING

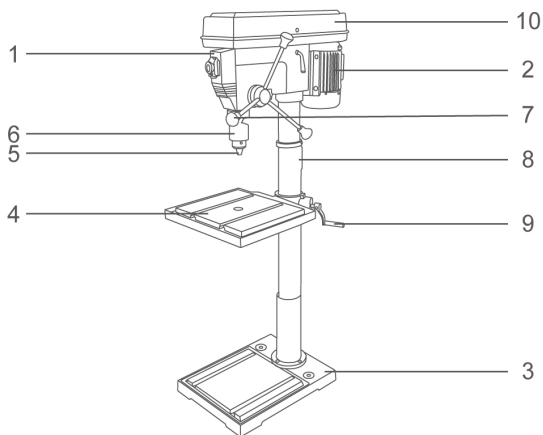
Specific safety rules for bench drills

1. Read the instruction manual before operating the bench drill.
2. Safety Glasses should be worn.
3. Do not wear loose clothing.
4. Keep work area clean.
5. Do not operate the bench drill until it is completely assembled and installed according to the instructions.
6. Before turning on, ensure belt guard is down and the chuck is installed correctly.
7. Remove adjusting keys and wrenches before turning on power.
8. Ensure the chuck key is removed from the chuck before turning on the power.
9. Ensure the drill bit is securely locked in the chuck using the key supplied.
10. Use recommended speed for drill bit size and workpiece material.
11. Keep belt guard in place while machine is in operation.
12. Use only recommended accessories.
13. Disconnect tool before changing drill bit and ensure switch is in the off position before plugging in.
14. Do not use bench drill in damp or wet conditions.
15. Do not overload tool.
16. Keep tool well maintained.
17. Never leave tool running unattended.
18. Adjust the table or depth stop to avoid drilling into the table.

INTENDED USE

The drill press is a machining tool composed of a spindle, a chuck, a table and a rotating mechanism, The drill press is a machining tool composed of a spindle, a chuck, a table and a rotating mechanism, that can be used to drill through metal, wood and non-metal materials.

SPECIFICATIONS



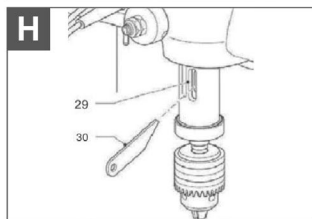
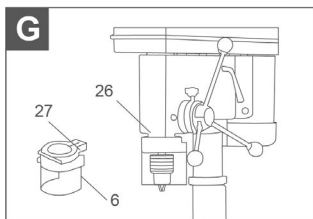
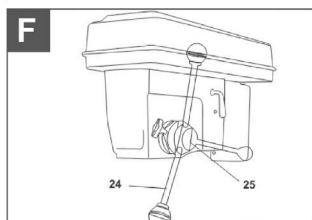
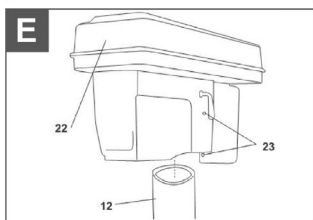
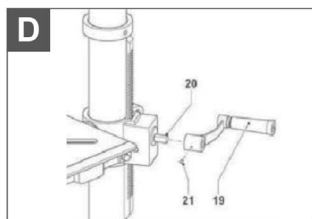
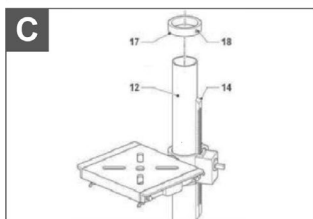
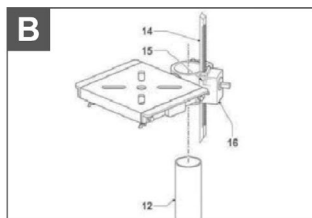
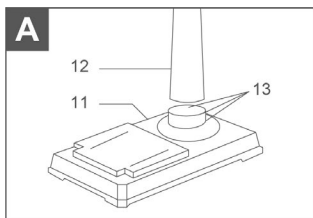
- 1. On/off switch
- 2. Motor housing
- 3. Stand
- 4. Table
- 5. Chuck
- 6. Safety guard

- 7. Handles
- 8. Column
- 9. Table height adjustment
clamping lever
- 10. Pulley cover

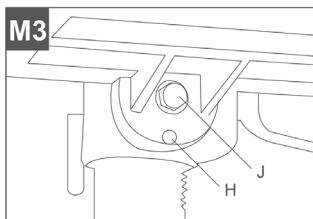
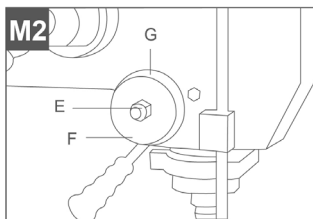
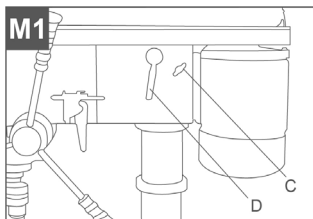
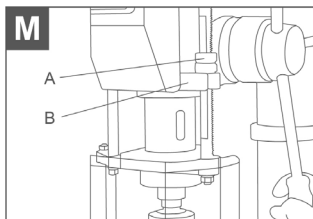
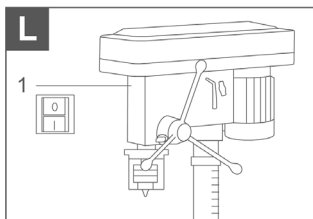
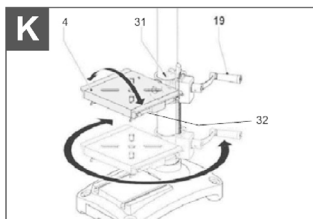
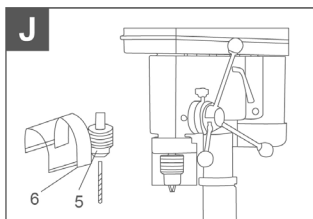
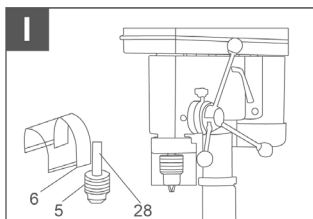
Technical specifications

Model No.	DP3211005 DP3211005xy	UDP3211005 UDP3211005xy	DP3211005-5 DP3211005-5P
Rated input power	1500W	1500W	1500W
Rated voltage	220-240V~50Hz	110-120V~60Hz	220-240V~60Hz
Spindle speed	150-2020/min	260-2600/min	260-2600/min
Max drilling capacity	32mm	1-1/4"	32mm
Column diameter	92mm	3-40/64"	92mm
Spindle taper	MT4	MT4	MT4
Spindle travel	120mm	4-3/4"	120mm
Max distance from spindle axis to surface of column	226mm	8-57/64"	226mm
Max distance from spindle end to surface of table	590mm	23-15/64"	590mm
Max distance from spindle axis to surface of base	1177mm	46-9/100"	1177mm
Main table size	425×475mm	16-47/64"×18-45/64"	425×475mm
Base size	625mm×372mm	24-39/64"×14-41/64"	625mm×372mm
Machine height	1715mm	67-7/50"	1715mm
Weight	117kg	117kg	117kg

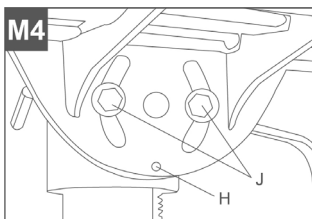
OPERATION PICTURE



OPERATION PICTURE



OPERATION PICTURE



OPERATION

Mount the stand.

Mount the table.

Mount the head.

Mount the safety guard.

Mount the chuck.

Remove the anti-corrosive oil on the uncovered metal parts using a cloth and a little paraffin oil. Proceed with greasing the parts with machine lubricating oil.

Mounting the stand (see Figure A)

Install the foot (11) on a level and solid surface.

Slide the foot over the pillar (12) in the orientation as shown. Mount the pillar using the fasteners (13).

Mounting the table (see Figure B, C, D)

Place the toothed rack (14) against the toothed wheel (15) on the inside of the support bracket (16) as shown.

Slide the support bracket over the pillar (12) while holding the toothed rack in position.

Push the toothed rack fully downward.

Slide the spherical ring (17) over the pillar (12) with the wider opening facing downward to make sure that the top end of the toothed rack (14) is locked. Tighten the lock screw (18).

Place the height adjustment handle (19) onto the spindle (20) and tighten the screw (21).

Mounting the head (see Figure E, F)

Place the head (22) on the top of the pillar (12).

Firmly tighten the Allen screws (23) to keep the head in place.

Place the height adjustment handle (24) onto the shaft (25) and tighten it.

Mounting the safety guard (see Figure G)

Mount the safety guard (6) onto the collar (26).

Secure the guard by tightening the clamp screw (27).

Mounting the chuck (see Figure H, I)

Open the safety guard (6).

Slide the chuck spindle (28) into the drivespindle.

The chuck (5) must be removed when working with cone drills. In order to remove the chuck, proceed as follows:

Open the safety guard (6).

Lower the chuck until the hole in the drive spindle (29) becomes visible. Hold the chuck in this position.

Raise the table until it is approximately 2 cm below the chuck.

Turn the chuck by hand to align the hole in the drive spindle with the holes in the feed spindle.

Release the chuck by driving the wedge (30) into the hole in the drive spindle.

Inserting and removing a drill (see Figure J)

Open the safety guard (6).

Open the chuck (5).

Insert the drill into the chuck.

Fasten the chuck by hand.

Fasten the chuck firmly by inserting the chuck key in one of the holes in the side of the chuck and turning it clockwise.

Shut the safety guard.

In order to remove a drill, proceed in reverse order.

⚠ WARNING

Before inserting or removing a drill, always pull the plug from the wall socket.

Adjusting the table (see Figure K)

The table can be height-adjusted, turned and toppled.

Height adjustments:

Slacken the locking handle (31).

Turn the handle (19) to adjust the table (4) to the required height.

Tighten the locking handle.

Turning:

Slacken the locking handle (31). Turn the table (4) to the required position. Tighten the locking handle.

Toppling:

Slacken the locking screw (32). Topple the table (4) to the required position. Tighten the locking screw.

- Use waste material to practice your skills and to learn operating the machine first.
- When drilling through, adjust the table to make sure that the drill is aligned with the opening in the center of the table. If required, mark the position on the front side of pillar and table in case the table should be set in the same position at a later time. Securely tighten the workpiece. Toppling, turning or sliding not only results in a rough drilling hole, it also increases the risk of the drill breaking off.
- Use a piece of waste wood as a backup to reduce the risk of the workpiece splintering and to protect the drill tip.
- Place flat workpieces on a wooden underground and clamp securely to the table to prevent them from turning. Support workpieces that are irregular of shape and cannot be put flat onto the table.
- Use the lift handles to bring the drill lift downwards. Slowly feed the drill into the workpiece.
- Drill slowly when the drill is about to break through the workpiece to prevent splintering.

Switching on and off (see Figure L)

To switch the machine on, set the on/off switch (1) to 'I'.

To switch the machine off, set the on/off switch (1) to 'O'.

The machine does not require any special maintenance.

- Regularly clean the ventilation slots.
- Turn the drill shaft to the maximum drilling depth once per 3 months and grease it slightly with oil.

Thoroughly clean the whole machine and its accessories.

Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.

Should your appliance need replacement after extended use, do not discard it

with the household rubbish but dispose of it in an environmentally safe way. Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

Adjustments

Depth stop adjustment

To drill multiple holes at the same preset depth, use the depth stop:

1. Make a pencil mark on edge of workpiece to indicate depth of hole.
2. With drill bit in chuck, lower down feed handle to advance bit to your mark.
3. With your other hand, advance lock nuts (A, Figure M) on the depth stop rod until they are snug to the seat (B).
4. The drill bit will now advance to this point.
5. To release, advance nuts counterclockwise to top of depth stop.

Changing spindle speeds

A spindle speed and pulley/belt arrangement chart is affixed inside pulley cover, and also shown in sect. 12.0 of this manual.

To change spindle speeds:

1. Unplug machine from power source.
2. Loosen two thumb screws (C, Figure M-1) found on each side of head assembly.
3. Rotate tension handle (D) clockwise to bring motor base as close to head as possible.
4. For desired speed, change location of belts per pulley/belt arrangement chart.
5. Rotate tension handle (D) counterclockwise to tension belts.
6. Tighten both thumb screws (C). Belts are properly tensioned when finger and thumb pressure midway between the two pulleys causes approximately 1/2-inch deflection.

Return spring adjustment

The return spring is adjusted by the manufacturer and should not require attention. If adjustment is deemed necessary, follow the steps below while referring to Figure M-2:

1. Unplug machine from power source.
2. Loosen lock nut (E). Do not remove.

3. Firmly hold coil spring cover (F).
4. Pull out cover and rotate until pin (G) on housing engages the next notch in coil spring cover. Turn cover clockwise to decrease tension and counterclockwise to increase tension.
5. Tighten lock nut (E). Do not over-tighten or force nut too strongly against spring cover.

Table tilt adjustment

Table tilt adjustments are made on table bracket beneath table.

Refer to Figures M-3 and M-4.

Operation

1. Insert drill bit into chuck jaws about 1-inch (25.4mm) deep. When using a small bit, do not insert it so far that the jaws touch the flutes of the bit. Make sure bit is centered in chuck before tightening chuck with key.
2. For a small workpiece that cannot be clamped to the table, use a drill press vise. The vise must be clamped or bolted to the table. Always use a back-up piece of scrap wood to cover the table. This protects both table and drill bit.

⚠ WARNING

Workpiece must be clamped to table or secured in a drill press vise that is securely fastened to table. Failure to comply may cause serious injury.

3. Feed the bit into the material with only enough force to allow the drill bit to work. Feeding too slowly may cause burning of the workpiece. Feeding too quickly may cause the motor to stop and/or the drill bit to break.
4. Generally speaking, the smaller the drill bit, the greater the RPM required. Soft materials require higher speeds; hard metals slower speeds.

MAINTENANCE&MALFUNCTIONS

Possible malfunctions and methods of their eliminations

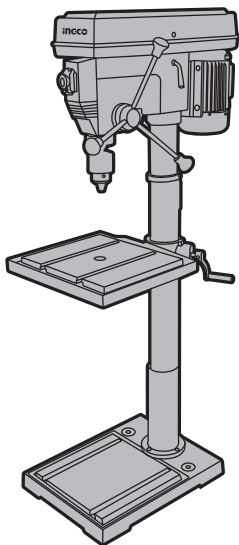
Malfunction	Probable causes	Actions
When the machine is turned on, the electric motor does not work.	● Switch failure ● The power cord or wiring is broken, power cord plug malfunction; ● No brush contact with the collector; ● Wear/damage of brushes	Disconnect the machine from the mains and contact a qualified specialist.
Formation of a circular fire on the collector	● Brush wear/damage of the brush holder; ● Malfunction in the armature coil	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
When working, smoke or the smell of burning insulation appears from the ventilation openings.	● Malfunction in the electric motor coil; ● Malfunction of the electrical part of the tool.	
Increased noise in the gearbox	● Wear/breakage of gears or bearings	
When the machine is turned on, the spindle does not rotate	● Gearbox failure.	

Critical state criteria

Critical state criteria	Probable causes	Actions
Cracks on the surfaces of bearing and housing parts	Fatigue deformation of metal	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
The power cord or plug is damaged	Overload or breakage	
Excessive wear or damage to the motor or reductor mechanism, or a combination of signs	Fatigue deformation of metal	

Critical state criteria

List of critical failures	Actions
Electric motor sparking	It is necessary to contact a qualified specialist
The appearance of extraneous noise	It is necessary to contact a qualified specialist
If the above malfunctions are detected, it is necessary to disconnect the machine from the mains and contact a qualified specialist	



MADE IN CHINA 0424.V02

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