THE ENVIRONMENT

Always dispose of unwanted tools, accessories and packaging materials in an environmentally friendly manner.

This product does not contain any restricted substances in concentrations and applications which are banned by the European RoHS2 Directive.

DECLARATION OF CONFORMITY

We hereby certify that KOBE 10mm COMPOSITE STRAIGHT DRILL

(ORDER CODE: KBE-270-6050K)

complies with all the relevant provisions of the

Machinery Directive 2006/42/EC

Standards Applied:

BS EN ISO 11148-3:2012, BS EN ISO 28927-5:2009-12, BS EN ISO 15744 :2008

RoHS2 Restriction of Hazardous Substances Directive 2011/65/EU

Standards Applied:

EN 50581-1:2012

Signed:

Date: 1st May 2017

Name: Keith Read

Position: HSQE Manager.

KOBE TOOLS

THE KENNEDY GROUP LTD, WIGSTON, ENGLAND, LE18 2FS.

CE

QUALITY GUARANTEE & WARRANTY

KOBE INDUSTRIAL AIR TOOLS carry a one year manufacturer's warranty.

KOBE INDUSTRIAL AIR TOOLS are designed & manufactured to the highest standards & specifications

Assuring the quality and performance required by all sectors of industry.

KOBE INDUSTRIAL AIR TOOLS are fully guaranteed against faulty materials & workmanship.

Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).

Please retain supplier invoice as proof of purchase.

KOBE TOOLS OFFICIAL AGENT: THE KENNEDY GROUP, WIGSTON. LEICESTER, ENGLAND. LE18 2FS

© The Kennedy Group Ltd. 05/17

KOBE™

INDUSTRIAL AIR TOOLS

10mm COMPOSITE STRAIGHT DRILL

ORDER CODE
KBE-270-6050K

MODEL
BCSD10



- Exhaust outlet adjusts 360˚ keeping air flow away from operator
- Compact and lightweight for ease of use in confined spaces
- Fast drill bit change with keyless chuck
- Ergonomic and comfortable hand grip
- Safety lever throttle
- Adjustable power regulator to match the speed of the job
- High speed 2,500rpm

CE

WARNING: THE SAFETY INFORMATION GIVEN INSIDE MUST BE READ AND UNDERSTOOD BY ANY PERSON USING, INSTALLING, REPAIRING OR MAINTAINING THIS PRODUCT.

ALWAYS WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

OPERATOR'S MANUAL

Read all of this manual before using your straight drill and retain for future reference

SAFETY INSTRUCTIONS

You have purchased a quality industrial product that is designed for high performance and long service life. If correct use, safety and maintenance procedures are observed this machine will last for many years.

KOBE INDUSTRIAL AIR TOOLS have been specifically designed to help you work **SAFELY** and **EFFICIENTLY**. Your care and good judgement are the best protection against injury, but always ensure that the appropriate safety equipment is worn. All possible hazards cannot be covered here, but the most important ones have been highlighted.

GENERAL OPERATING HAZARDS

- Keep clear from all rotating spindles and moving parts
- Ensure that all long hair and loose clothing, ties, scarves, jewellry, etc., are secured or removed
- Always wear approved eye protection during operation, repair or maintenance of the tool, or whilst changing accessories. The operator of the tool is responsible for following accepted eye, face, respiratory, hearing and body protection.
- Ensure that all others in the area are wearing approved eye, face, respiratory, hearing and body protection. Even small projectiles can injure eyes and cause blindness.
- Wear gloves to protect hands from cuts and burns.
- Do not touch accessories during or after use.
- Never disable the safety lever throttle.
- Do not modify tools or accessories and only use for the task for which they have been designed.
- Ensure that all accessories are rated to the “Free” speed of the tool and intact before fitting or using.
- All users must be physically able and competent to handle the size, weight and power of the tools and have received appropriate training to perform the task.
- Note the tool rundown time. Control the tool as if it were under power.

SPECIFIC OPERATING HAZARDS

- Keep hands away from rotating chuck and drill bit.
- Keep drill bits clean and sharp to ensure safe and highest performance.
- Always ensure the chuck is securely fastened to the spindle and the drill bit is secure in the chuck.
- Beware of high-reaction torque when breaking through the material being drilled.

WORKPLACE HAZARDS

- Slip/Trip/Fall is a major cause of serious injury or death. Be aware of excess hose around the work place.
- Maintain a balanced body position and secure footing.
- High sound levels can cause permanent hearing loss. Use approved hearing protection.
- Repetitive work motions, awkward positions and exposure to vibration can cause “Repetitive Strain Injuries”. If numbness, tingling, pain or whitening of the skin occurs consult a doctor.
- Avoid inhaling dust or handling debris from work process which can be harmful to your health.
- This tool is not intended for use in a flammable or combustible atmosphere and is not insulated for contact with electric power sources.
- Use a vice or clamping device to hold the work piece firmly in place.

AIR SUPPLY AND CONNECTION HAZARDS

- Air under pressure can cause severe injury.
- Always shut off air supply, drain hose of air pressure and disconnect tools from air supply when not in use, before changing accessories or when making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause serious injury. Always check for damaged or loose hoses and fittings.
- Do not use quick disconnect couplings at tool. See instructions for suggested air supply.
- Whenever universal twist couplings are used, lock pins must be installed.
- Do not exceed maximum air pressure of 90psi/6.2bar.
- Do not carry the tool by the air hose.

NOTES

TROUBLESHOOTING

Other factors outside the tool may cause loss of power or erratic action. Reduced compressor output, excessive drain on the airline, moisture or restrictions in air pipes or the use of hose connections of improper size or poor conditions may reduce air supply. If outside conditions are in order and the tool still runs erratically, disconnect the tool from the air hose and take it to your local Kobe agent.

MAINTENANCE

A competent person must disassemble and inspect higher wear parts periodically if the tool is used every day or if there is a noticeable drop in the tool performance. Any damaged or worn parts must be replaced. Your 12 month warranty could become void if the tool is unnecessarily dismantled and damage is caused. If you are unsure about dismantling the tool, please return it to your local Kobe agent.

Replace as necessary all "O" rings, bearings and rotor blades (See Spare Parts Breakdown). It is recommended that adequate stocks of standard service parts are held for servicing requirements.

The use of other than genuine Kobe replacement parts may result in safety hazards, decreased tool performance, increased maintenance and voiding of warranty.

Mineral spirits are recommended when cleaning the tool and its parts. Do not clean with any solvents or oils containing acids, esters, ketones, chlorinated hydrocarbons or nitro carbons. Do not use chemicals that have a low flash point.

For spare parts or servicing please contact your local Kobe agent. Remember to quote tool model number and spare part number when ordering spares.

When disposing of components, lubricants, etc. ensure that relevant environmental procedures are carried out.

SERVICE & REPAIR

A comprehensive repair and service facility is available through your local Kobe agent.

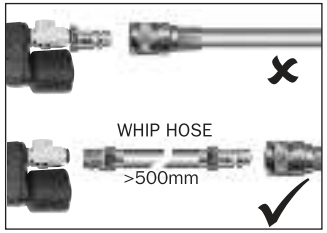


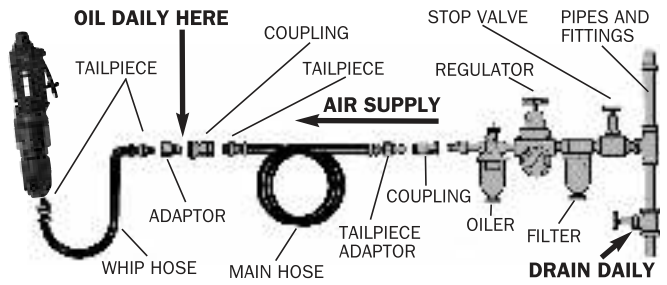


SPECIFICATIONS

Order Code	KBE-270-6050K	Model No.	BCSD10
Chuck Size	10mm	Power	0.45HP
Free Speed	2500rpm	Vibration Level	0.49m/s²
Air Inlet	¼"BSP	Air Consumption	4cfm
Operating Pressure	90psi/6.2bar	Air Hose Size	10mm
Sound Pressure Level	92d.BA	Overall Length	215mm
Sound Power Level	110dB.A	Gross Weight	1.04kg

SUGGESTED AIR SUPPLY





Before connecting, ensure the dust cap is removed.
Connect tools to the air line using pipe, hose and fitting sizes listed in the specifications.

Supply tools with 6.2bar (90psi) of clean, dry air. A higher pressure and unclean air will shorten the tool life because of faster wear and may create a hazardous condition.

Requirements for Quick Acting Couplings connected to Air Tools:

A whip hose of minimum length 500mm between the tool and the coupling is required in order to comply with Health and Safety Executive Guide **HSG 39, BS ISO 4414 and ISO 6150.** This will also reduce the strain applied by the weight of the air hose on the end of the air tool.

LUBRICATION

Air tools require lubrication throughout the life of the tool otherwise moisture in the compressed air will corrode the air motor. Correct lubrication is vital for the maximum performance of the air tool and an airline lubricator should be fitted into the system down stream of the filter. Failure to lubricate the tool at the air inlet will void your warranty.

Either use an air line lubricator with air tool oil adjusted to two drops per minute, or if an air line lubricator cannot be used, add a teaspoon of air motor oil to the inlet or into the hose at the nearest connection to the air supply once a day and then run the tool (See Fig.1). ISO Grade VG22 oil is recommended. A rust inhibitive oil is acceptable for air tools.

Any excess oil in the motor is expelled immediately from the exhaust port. Always direct the exhaust port away from people or objects.

Do not lubricate the tool with flammable or volatile liquids such as paraffin (kerosene), diesel or jet fuel.

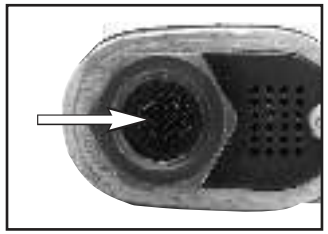


Fig. 1

IDENTIFICATION

A. Keyless Chuck
B. Air Regulator
C. Safety Lock
D. Throttle Lever
E. Air Inlet



OPERATION

ASSEMBLY:

1. Turn the front of the chuck head (A) anti-clockwise to open fully.
2. Insert the drill bit and turn the chuck head (A) clockwise, hold the bottom part of the chuck head to lock the drill bit securely into place.
3. Connect the drill to the air hose (See Page 3).

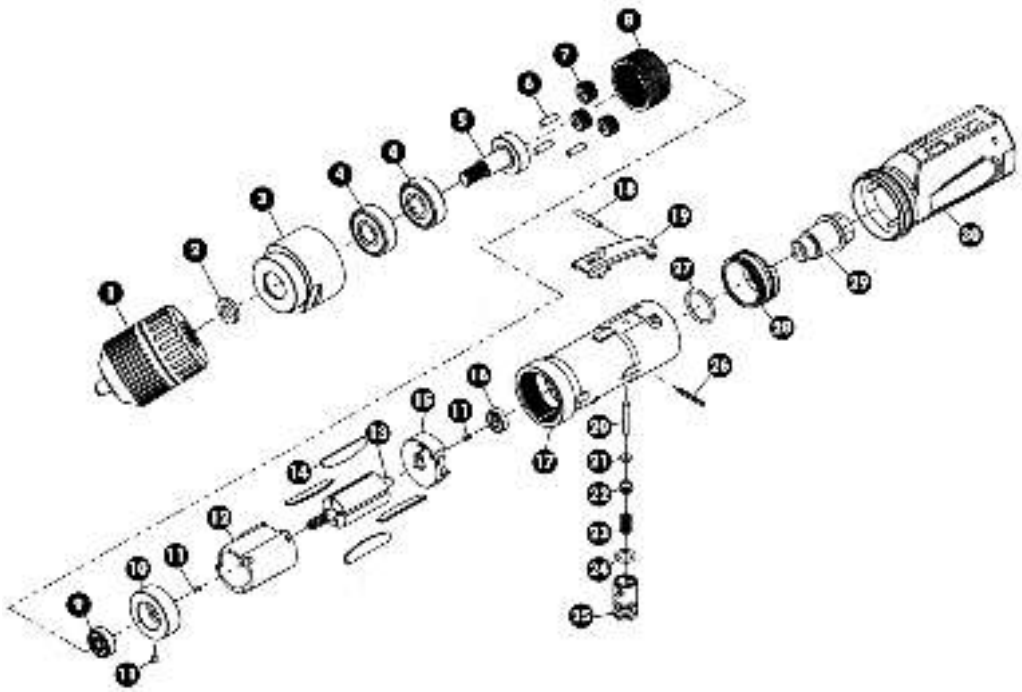
HOW TO USE:

1. Once your drill is assembled with the drill bit, and securely connected to the air supply the drill is ready to use.
2. Push the safety lock (C) forward, and press the throttle lever (D) to operate the drill accordingly.
3. Release the throttle to turn off the drill. The safety lock will automatically come into action when the throttle is released.
5. The flow of air may be regulated by turning the large headed screw (B) on the drill body, on the underside of the trigger (See Fig.2).



Fig. 2

PARTS BREAKDOWN



No.	Description	Qty	No.	Description	Qty
1	Keyless Chuck	1	17	Motor Housing	1
2	Chuck Spacer	1	18	Spring Pin(ø3)	22
3	Bearing Housing	1	19	Safety Lever Assembly	1
4	Ball Bearing	1	20	Valve Shaft	1
5	Planet Carrier	1	21	O-Ring	1
6	Needle Spindle	1	22	Throttle Valve	1
7	Planet Gear	1	23	Valve Spring	1
8	Internal Gear	1	24	O-Ring	1
9	Ball Bearing	1	25	Valve Screw	1
10	Front Plate	1	26	Spring Pin(ø2.5)	20
11	Spring Pin(ø2.5)	5	27	O-Ring	1
12	Cylinder	1	28	Exhaust Sleeve	1
13	Rotor	1	29	Inlet Bushing	1
14	Rotor Blade	1	30	Housing Cover	1
15	Rear End Plate	1			
16	Ball Bearing	1			