KOBE INDUSTRIAL AIR TOOLS

THE ENVIRONMENT

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

In observance of European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) and its implementation in accordance with national law, electrical goods that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Do not dispose of electrical goods with domestic waste materials as inappropriate disposal may cause potential hazards to the environment and human health.

For further information, please contact your local authority or the retailer from whom you purchased the product.

RoHS

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 3/8" REVERSIBLE PISTOL DRILL

(ORDER CODE: KBE-270-2152K)

complies with all the relevant provisions of the

EMC Electromagnetic Compatibility Directive 2006/42/EC

Standards Applied:

BS EN ISO 11148-9:2011, BS EN ISO 28927-3:2009, 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

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KOBE™

INDUSTRIAL AIR TOOLS

3" COMPOSITE AIR RANDOM ORBITAL SANDER

MODEL
BROS3

ORDER CODE:
KBE-270-6010K



- Compact and lightweight for ease of use in confined areas
- Ergonomic and comfortable hand grip
- Adjustable power regulator to match the speed to the job
- High speed 15000rpm
- Uses 75mm (3") backing pads
- Exhaust directs air away from the workpiece
- Ball bearing construction for a long tool life
- Random orbit provides a smooth, swirl-free finish

CE

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

OPERATOR'S MANUAL

Please retain this information 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

- Use intermittent drill pressure to avoid long swirling chips.
- Excessive pressure and/or insufficient lubricant may cause the drill bit to suddenly bind, making the work piece or tool rotate, causing possible arm and shoulder injuries.
- Always use sharp drill bits.
- Reduce downward pressure at breakthrough.

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.

SPECIFICATIONS

MODEL	BR0S3
ORBIT SIZE	3mm
BACKING PAD SIZE	75mm/3"
FREE SPEED	15,000rpm
AIR INLET	1/4" BSP
AIR HOSE SIZE (ID)	3/8" (10mm)
AIR PRESSURE	90PSI (6.2Bar)

POWER	0.4HP
VIBRATION LEVEL	6.3 m/s^2
AIR CONSUMPTION	3.35CFM/25 scfm*
OVERALL LENGTH	125mm
WEIGHT	720g

*Air consumption without load in 1min is 3.35CFM.

NOTES

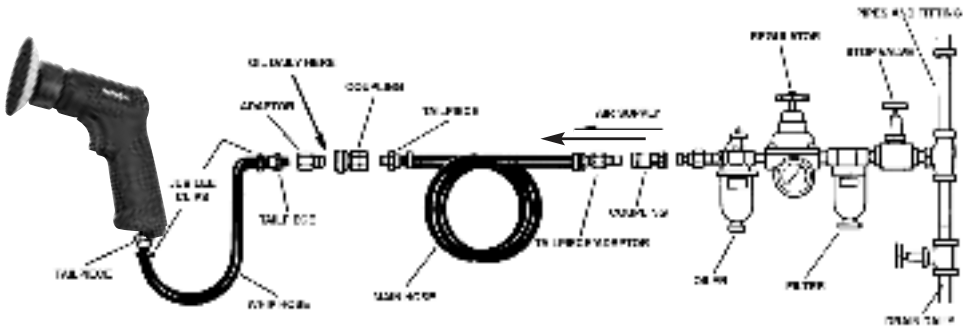
SERVICE & REPAIRS

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





SUGGESTED AIR SUPPLY



Connect tools to the air line using pipe, hose and fitting sizes listed in the specifications.
Supply tools with 90psi/6.2bar of clean, dry air. A higher pressure will reduce the tool life.
Requirements for Quick Acting Couplings connected to Air Tools:
A leader hose of minimum length 500mm between the tool and the coupling is required in order to comply with Health and Safety Executive Guide **HS(G) 39, BS4575:2, ISO 4414 and ISO 6150.**

LUBRICATION

Air tools require lubrication throughout the life of the tool otherwise moisture in the compressed air will rust the air motor. Correct lubrication is vital for the maximum performance of the drill 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 air motor oil to the inlet once a day (See fig 1). ISO Grade VG22 oil is recommended.

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 drill with flammable or volatile liquids such as kerosene, diesel or jet fuel.

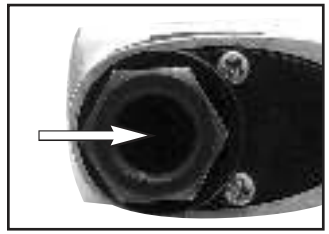


Fig. 1

OPERATION

ASSEMBLY:

1. Always disconnect the sander from the air supply before changing or attaching the backing pad.
2. Screw the backing pad (A) into the sander spindle (B).
3. Using the supplied spanner (E), hold the spindle and continue to screw the backing pad into place, being careful not to over tighten. Remove the spanner from the sander.
4. Apply the hook and loop sanding disc to the backing pad and press firmly to secure.

NOTE: Only use discs with speed ratings equal to or higher than the speed rating of the sander.
DO NOT use cloth backed sanding discs.

HOW TO USE:

1. Once your air sander is assembled with the backing pad and sanding disc, connect the air supply (See Page 3) and press the trigger (C) to use. To avoid unwanted swirl marks, place the air sander on the material and then switch it on.
2. The sander will provide a combined 'rotary' and 'random orbit' action.
3. The speed of the air sander can be adjusted by moving the thumb control on top of the sander (D). Move the control right to increase the speed and left to reduce the speed.
4. To get an even finish, move the air sander up and down and then change the direction from left to right (See Fig. 2).
5. When finished sanding, remove the air sander from the work piece and then switch it off by releasing the trigger. Be aware that the tool may continue to spin as it turns off.

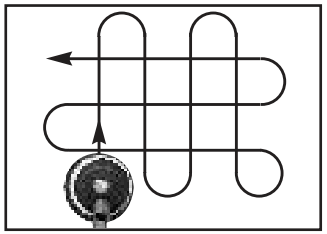


Fig. 2

MAINTENANCE

Disassemble and inspect higher wear parts every three months if the tool is used every day and replace damaged or worn parts.

Replace as necessary all "O" rings, bearings and rotor blades, see parts break down.
It is recommended that adequate stocks of standard service parts are held for servicing requirements.

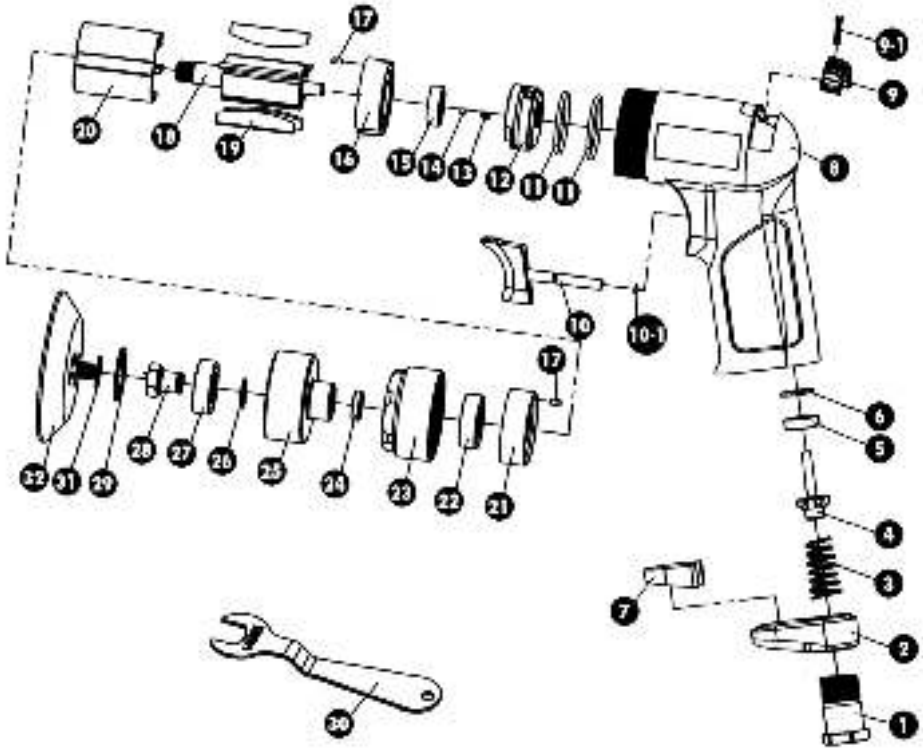
The use of other than genuine Kobe replacement parts may result in safety hazards, decreased tool performance and increased maintenance.

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 nearest 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.

SPARE PARTS BREAKDOWN



No.	Order Code	Description
1	KBE-298-6670S	Inlet Bushing
2	KBE-298-6671S	Deflecter
3	KBE-298-6672S	Valve Spring
4	KBE-298-6673S	Valve
5	KBE-298-6674S	Valve Seat
6	KBE-298-6675S	Spacer
7	KBE-298-6676S	Silencer
8	KBE-298-6677S	Composite Housing
9	KBE-298-6678S	Reverse Valver Lever
9-1	KBE-298-6679S	Taping Screw (ø2.3x12L)
10	KBE-298-6680S	Trigger
10-1	KBE-298-6681S	O-Ring (3x1)
11	KBE-298-6682S	O-Ring (27x3) 2pcs
12	KBE-298-6683S	Valve Body
13	KBE-298-6684S	Spring Pin
14	KBE-298-6685S	Detent Ball
15	KBE-298-6686S	Ball Bearing

No.	Order Code	Description
16	KBE-298-6687S	Rear Plate
17	KBE-298-6688S	Spring Pin
18	KBE-298-6689S	Rotor
19	KBE-298-6690S	Rotor Blade 5pcs
20	KBE-298-6691S	Cylinder
21	KBE-298-6692S	Front Plate
22	KBE-298-6693S	Ball Bearing
23	KBE-298-6694S	Front Housing
24	KBE-298-6695S	Anvil Bushing
25	CES-298-6696S	Eccentric Hub
26	KBE-298-6697S	Retainer
27	CES-298-6698S	Ball Bearing
28	KBE-298-6699S	Spindle
29	KBE-298-6700S	Retainer
30	KBE-298-6701S	Wrench (14mm)
31	KBE-298-6702S	Washer
32	KBE-280-0210A	Pad