SERVICE & REPAIR

A comprehensive repair and service facility is available through your local Kobe agent for all your electric and pneumatic tools.





THE ENVIRONMENT

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

Never allow lubricants to contaminate rivers, water ways or drains.

QUALITY GUARANTEE & WARRANTY

KOBE PRODUCTS carry a one years manufacturers warranty.

KOBE PRODUCTS are designed & produced to the highest standards & specifications

KOBE PRODUCTS 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).
This does not affect your legal rights.

Please retain supplier invoice as proof of purchase.

AVAILABLE FROM YOUR DISTRIBUTOR

KOBE TOOLS Official Agents:
JAPAN: MIKI TOOL TRADING CO. MIKI CITY, JAPAN.
EUROPE, MIDDLE EAST, AMERICA & AFRICA: THE KENNEDY GROUP LTD, WIGSTON, ENGLAND.

Kobe Tools continually strives to improve its products. Specifications may change without prior notice.

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KOBE™
INDUSTRIAL AIR TOOLS

PORTABLE DUST COLLECTION SYSTEM

ORDER CODE KBE-280-0240K

- Used in conjunction with the Kobe Random Orbital Sander FSO150 (KBE-270-2720K).
- 2m long flexible air and dust extraction hose.
- Helps to reduce airborne dust and clean-up time.
- Attaches easily to the air tool.
- Zip allows the dust bag to be emptied easily.
- Washable cloth dust bag.



Kobe Random Orbital Sander sold separately.

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

Please retain this information for future reference.

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.

SAFETY INSTRUCTIONS

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.

ALERTNESS
- Always stay alert, watch what you are doing and use common sense when operating this tool.
- Always make sure you do not get distracted by other people.
- Always avoid accidental starting of the tool. Disconnect the tool before adjusting, replacing accessories or repairing.
- Never operate the tool when tired or under the influence of alcohol or prescription/non-prescription drugs.

SIGHT
- Always wear approved eye protection during operation, repair or maintenance of the tool, or whilst changing accessories. Even small projectiles can injure eyes and cause blindness.

HEARING
- Always take measures to eliminate or reduce risks from exposure to noise. High sound levels can cause permanent hearing loss. Always use approved hearing protection.

RESPIRATORY
Breathing in dust can lead to lung problems. Some dust created by using this tool could contain chemicals which are known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

LEAD which can be found in old paint.
CRYSTALLINE SILICA from bricks and cement and other masonry products.
ARSENIC and **CHROMIUM** from chemically treated timber.

- Always avoid inhaling/ingesting dust or handling debris from the work process which can be harmful to your health.
- Always use dust extractors where available, work in a well ventilated area and wear a face mask which is specially designed to filter out microscopic particles.

HANDS, ARMS AND BODY
Cuts and burns
- Always wear gloves to protect hands from cuts and burns.
- Always wear shoes which are non-skid. In addition, wear shoes with steel toe caps where there is a risk of heavy or sharp objects falling on your feet.
- Always wear a protective apron capable of stopping small wheel or workpiece fragments.
- Never allow sparks to go onto your clothing. Wear wool or flame retardant cotton rather than man made fabrics.
- Never touch parts of the tool or accessories when they are moving. Use gloves when changing accessories after use.

Vibration and repetitive strain
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.

- Always use appropriate safety equipment and take regular breaks.

HAIR, CLOTHING & JEWELLERY
- Always ensure that all long hair and loose clothing, ties, scarves, jewellery, etc., are secured or removed.
- Never wear watches, rings or bracelets whilst using this tool.

CHILDREN AND OTHER PEOPLE
- Always ensure that all others in the area are wearing approved eye, face, respiratory, hearing and body protection.
- Always keep children away from the work area and where tools are stored.
- Never let people who are unfamiliar with the tool use it.

AIR PRESSURE
Air under pressure can cause severe injury.

Continued on page 3

KOBE INDUSTRIAL AIR TOOLS

KOBE AIRLINE ACCESSORIES

RETRACTABLE AIR HOSE BALANCER With adjustable tension return. Retracts when the air tool is released leaving the work place clear of unwanted lengths of air hose. Ideally suited for in-line production. With spring loaded safety clip for overhead fixing.



Max Tool Weight	Bore x Length	Rating	Order Code KBE-280
1.5kg	6.35 x 700mm	100PSI	**-1000K**

WHIP HOSE AND ADAPTOR Used to supply air between the air tool and supply point. Uses standard couplings. Prevents vibration damage to couplings and the tool user. Quick release coupling.



Thread	Overall Length	Order Code KBE-280
1/4” NPT	650mm	**-1360K**

EXHAUST HOSE ASSEMBLY deflects the tool exhaust away from the immediate work area and helps to reduce sound levels. Suitable for Kobe air tools. Thread size 1/4” NPT. Overall length 80cm.



Exhaust Diameter	Suitable for Kobe Air Tool models	Order Code KBE-298
20mm	GES2506L, GDA2206L, FDG090, FDG115, FDG180m & FDG180e.	**-5421S**
25mm	DP2210, DPR1810, DP513, DPR813, DAR1510, DS4510L, SH120, SP1825K, GD2206L, GD22LK, FPD500, FPD375, FCT003 & X-GD16.	**-5420S**

WATER SEPARATOR continuously removes moisture from the air supply helping to prevent corrosion to the internal components of the air tool. The spring valve allows immediate draining of reservoir without any down time.



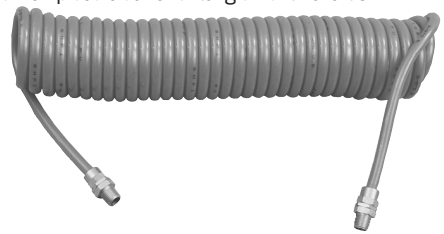
Description	Order Code KBE-280
1/4 BSP Water Separator	**-1900K**

HEAVY DUTY NYLON AIR HOSE recoils to a fraction of its working length when not in use leaving the workplace clear of entanglement hazards. Solid brass couplings with 360° swivel and spring protectors allow use in any direction.



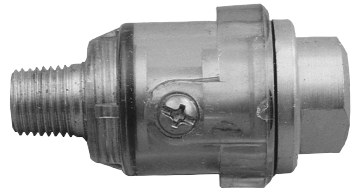
Connector	Outside Diameter	Length	Normal Rating	Order Code KBE-280
1/4 BSPT	6mm	7.5m	250PSI	**-1140K**
3/8 BSPT	9.5mm	7.5m	150PSI	**-1300K**

HI-FLEX POLYURETHANE AIR HOSE with brass 360° swivel couplings, ideal for use in awkward access areas. Recoils to a fraction of its working length leaving the workpiece clear of entanglement hazards.



Connector	Outside Diameter	Length	Normal Rating	Order Code KBE-280
1/4 BSPT	8mm	7.5m	150PSI	**-1160K**
3/8 BSPT	9.5mm	7.5m	150PSI	**-1320K**

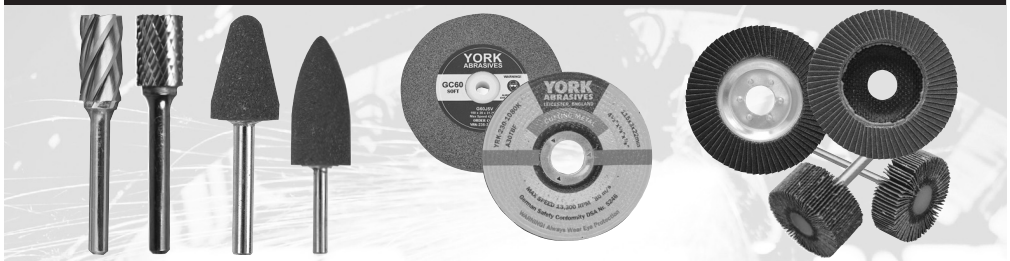
MINI OILER feeds oil directly into the airline ensuring your air tool is well lubricated at all times preventing corrosion. The clear body reservoir allows immediate inspection of the oil level. All brass construction.



Description	Order Code KBE-280
1/4 BSP Mini Oiler	**-1400K**

YORK ABRASIVES

KOBE RECOMMENDS THE USE OF GENUINE YORK ABRASIVES



Carbide burrs and mounted points | **Grinding discs & wheels** | **Sanding discs & flap discs**

GRINDING AND SANDING



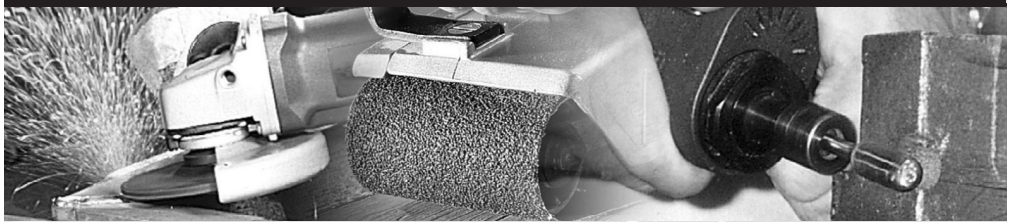
Sanding bands and flap wheels | **Cartridge rolls** | **Screw fitting discs** | **Clean and strip**

SURFACE CONDITIONING AND FINISHING



Aluminium oxide sheets and rolls | **Wet or dry cloth** | **Flexible abrasives**

ABRASIVE SHEETS PADS AND COILS



SAFETY INSTRUCTIONS Continued

- Always check for damaged or loose hoses and fittings. Whipping hoses can cause serious injury.
- Never direct air at yourself or anyone else.

LUBRICANTS

Mineral oils (Hydraulic fluid) used as lubricants are not considered hazardous to health under normal conditions. First aid measures however should be taken if:

Ingested - Wash out

Contact with eyes - Thoroughly flush eyes with clean water for 5 to 10 minutes and seek medical advice.

Contact with skin - Wash area with soap and water. Remove effected clothing and wash. If irritation persists, seek medical advice.

Other - Seek medical advice immediately

- Always wear gloves and goggles when dealing with lubricants.
- Always extinguish using a foam or dry powder fire extinguisher. Never use water.
- Never allow lubricants to contaminate rivers, water ways or drains.

ELECTROCUTION, FIRE OR EXPLOSION

- Always be aware of hidden cables and pipes.
- Never work near flammable materials or in a combustible atmosphere.
- Never allow sparks to fall on cleaning rags.
- Never make contact with electric power sources as this tool is not insulated.

GENERAL OPERATING HAZARDS

- Always ensure that all accessories are rated to the “Free” speed of the tool and intact before fitting or using.
- Always ensure all users are physically able and competent to handle the size, weight and power of the tools and have received appropriate training to perform the task.
- Always be aware of the tool rundown time. Control the tool as if it were under power.
- Always ensure the tool is kept in a good working condition. Do not use the tool if any parts are missing or damaged.
- Always make sure that the labels on the air tool are kept legible, indicating the model number, serial number, rpm and any warnings. If not, reorder and replace.
- Never modify the tool or accessories and only use it for the task for which it has been designed.
- Never force or apply excessive pressure, let the tool do the work for you.

SPECIFIC OPERATING HAZARDS

- Always wear a protective dust mask in addition to using a dust extraction hose.
- Always check that the sanding sheet is totally attached on to the backing pad.
- Always remove foreign objects such as nails and screws from the work before commencing sanding.
- Always ensure the spanner has been completely removed before starting the Orbital Sander.
- Never use the dust bag when sanding metal.
- Never continue to use worn, torn or heavily clogged sanding sheets.
- Never fit an abrasive to the tool that is not designed to be used with it. This may cause serious injury or death.

WORKPLACE HAZARDS

- Always comply with Health & Safety regulations.
- Always be aware of excess hose around the work place. Slip/Trip/Fall is a major cause of serious injury or death.
- Always maintain a balanced body position and secure footing.
- Always use a vice or clamping device to hold the work piece firmly in place.
- Never carry the tool with your fingers on the throttle lever.

AIR SUPPLY AND CONNECTION HAZARDS

- 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.
- Always install lock pins when universal twist couplings are used.
- Never use quick disconnect couplings at tool. See instructions for suggested air supply.
- Never exceed the maximum air pressure of 6.2bar (90psi).
- Never carry the tool by the air hose.

SPECIFICATIONS

The specifications below, are for the air hose only.

END CONNECTIONS	¼" NPT
WORKING PRESSURE	13.7bar (200psi)
MAXIMUM PRESSURE	20.6bar (300psi)

UNPACKING & BAG CONTENTS

It is recommended that the packaging materials (plastic bags, polystyrene, cable ties etc.) are saved for future transportation of the tool in the event of it requiring service or repair. If you decide not to keep them, they must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.

Make sure the tool is in perfect condition and that there are no visible damaged parts. If in doubt, do not use the tool and contact your local Kobe agent from whom it was purchased.

Rubber bung. Dust bag attaches on at this end.

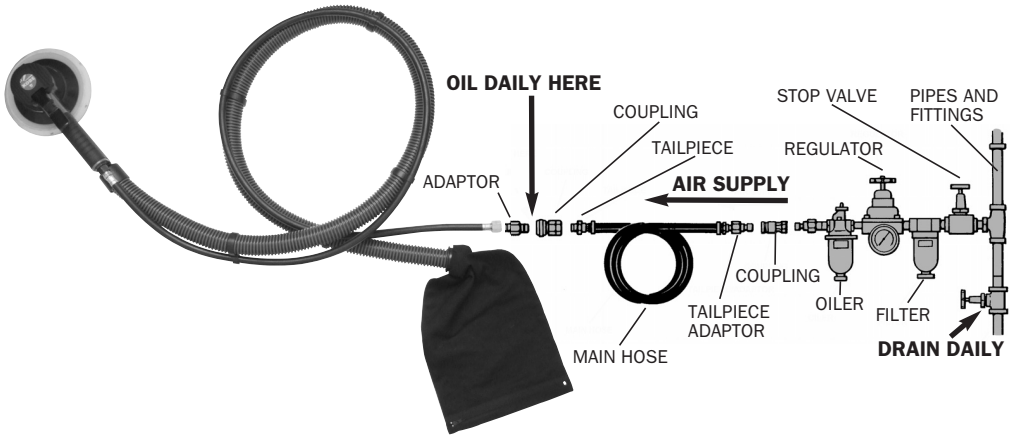


I x Flexible reinforced dust extraction hose with air hose attached.



I x Fabric dust bag.

SUGGESTED AIR SUPPLY



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.

ASSEMBLY

Do not use the dust bag when sanding metal. The hot metal particles could cause residual wood dust or the dust bag itself to catch fire.

Always keep the dust bag lower than the Orbital Sander to prevent dust dropping back into the Orbital Sander.

Ensure that all dust is contained when emptying the dust bag. Always wear a face mask during this process.

For optimum dust extraction, empty the dust bag when it is no more than half full.



Fig. 1

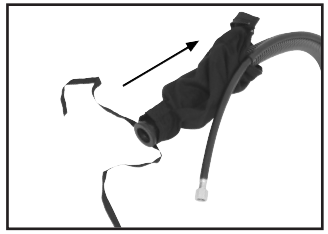


Fig. 2



Fig. 3

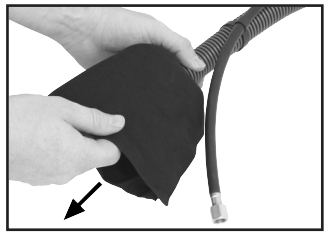


Fig. 4

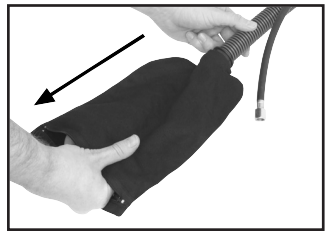


Fig. 5

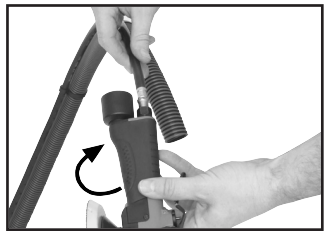


Fig. 6

1. Unzip the dust bag and turn it inside out (See fig. 1) so that its laces are on the outside.
2. Place the dust bag (zip end first) over the flexible hose at the end with rubber bung (See fig. 2).
3. Use the two laces to tie the end of the dust bag to the rubber bung (See fig. 3). The laces are sewn on to the bag so be careful not to pull them too tight.
4. Pull the dust bag back over itself (See fig. 4 & 5) and do the zip up.
5. Attach the air hose to the Orbital Sander first by holding the hose still and rotating the Orbital Sander (See fig. 6). Due to the rotating air inlet feature on the Orbital Sander and on the end of the air hose, a 17mm spanner will be required to hold the air inlet in place.
6. Finally attach the flexible dust extraction hose by firstly bringing the hose up to the swivel exhaust on the Orbital Sander. Then turn the swivel exhaust and guide the flexible hose in to it until it will not go in any further (See fig. 7).
7. Connect the Orbital Sander to the air supply having read and fully understood the operator's manual for the air tool.

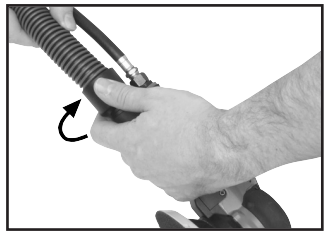


Fig. 7

MAINTENANCE

Wash the fabric dust bag periodically. Remove the dust bag from the dust extraction hose, keeping it turned inside out. Wash it in warm soapy water. Make sure the dust bag is completely dry before replacing it.