KOBE PROFESSIONAL AIR TOOLS

# THE ENVIRONMENT

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

## DECLARATION OF CONFORMITY

**We hereby certify that KOBE REVERSIBLE ANGLE AIR DRIL**

**(ORDER CODE: KBE-270-1425M)**

**complies with all the relevant provisions of the**

**Machinery Directive 2006/42/EC**

**Standards Applied:**

EN ISO 12100:2010, EN ISO 11148-3:2012 , EN ISO 28927-5:2009, EN ISO 15744:2008

**Signed:**

**Date:** 27th February 2017

**Name:** Keith Read

**Position:** HSQE Manager.

**KOBE TOOLS**

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

CE

## QUALITY GUARANTEE & WARRANTY

**KOBE PROFESSIONAL POWER TOOLS carry a one year manufacturer's warranty.**

**KOBE PROFESSIONAL POWER TOOLS are designed & manufactured to the highest standards & specifications**
Assuring the quality and performance required by all sectors of industry.

**KOBE PROFESSIONAL POWER 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™
PROFESSIONAL AIR TOOLS

# REVERSIBLE ANGLE AIR DRILL

**MODEL:**
**DAR1510**

**ORDER CODE:**
**KBE-270-1425M**



- **Jacobs chuck**
- **Fingertip control of reverse action**
- **Reverse exhaust**
- **Overall head height 94mm (chuck jaws extended)**
- **Ideal for use in confined spaces**

**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 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 PROFESSIONAL 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.

- Always adhere to the processes and safety warnings, which are stated in the instruction manual.

## GENERAL OPERATING HAZARDS

- Never allow routine to lead to mistakes.
- Never operate if any parts are missing or damaged.
- Never allow untrained persons to operate the tool.
- Use support handle or other method to secure and support the workpiece to a stable platform.
- Do not force the tool. Using the correct tool which is specifically designed for a select job will provide better tool performance and make the job easier.
- Always disconnect the air supply before making any adjustments, changing accessories, or storing the tool. Always disconnect the air supply before performing any inspection, maintenance or tool cleaning.
- Only use accessories recommended by the manufacturer.
- Do not leave the tool unattended when it is connected to an air supply.
- Use the dail underneath the lever to select forward (clockwise) or reverse (anti-clockwise) rotation.
- Use compressed air only.

## WORKPLACE HAZARDS

- Always ensure your working area is clean and well lit.
- Do not operate in explosive atmosphere, for instance extreme dust, gases and liquids.
- Keep children and bystanders away while operating the tool. Distractions can cause you to lose control.
- Never run the tool in areas exposed to water or in damp conditions.

## PERSONAL PROTECTION

- Always wear approved eye protection during operation. Use safety glasses or goggles which conform to BSEN136 or CE equivalent that provide protection from the front and side. The operator of the power tool is responsible for following accepted eye, face, respiratory, hearing and body protection.
- Always ensure that all long hair and loose clothing, ties, scarves, jewellery, etc., are secured or removed.
- Always consult a doctor if numbness, tingling, pain or whitening of the skin occurs. Repetitive work motions, awkward positions and exposure to vibration can cause “Repetitive Strain Injuries”.
- Do not overreach. Keep a proper balance and footing at all times.
- Do not use the tool if under the influence of alcohol, drugs or medication.
- High sound levels can cause permanent hearing loss. Always use hearing protection whilst using the tool.

## SPECIFIC SAFETY INSTRUCTIONS

- Disconnect the tool before performing service or when not in use.
- Slips, trips and falls are a major cause of serious injury or death. Be aware of excess hose left on the work floor.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the tool or these instructions to operate the tool. Power tools are dangerous in the hands of untrained users.

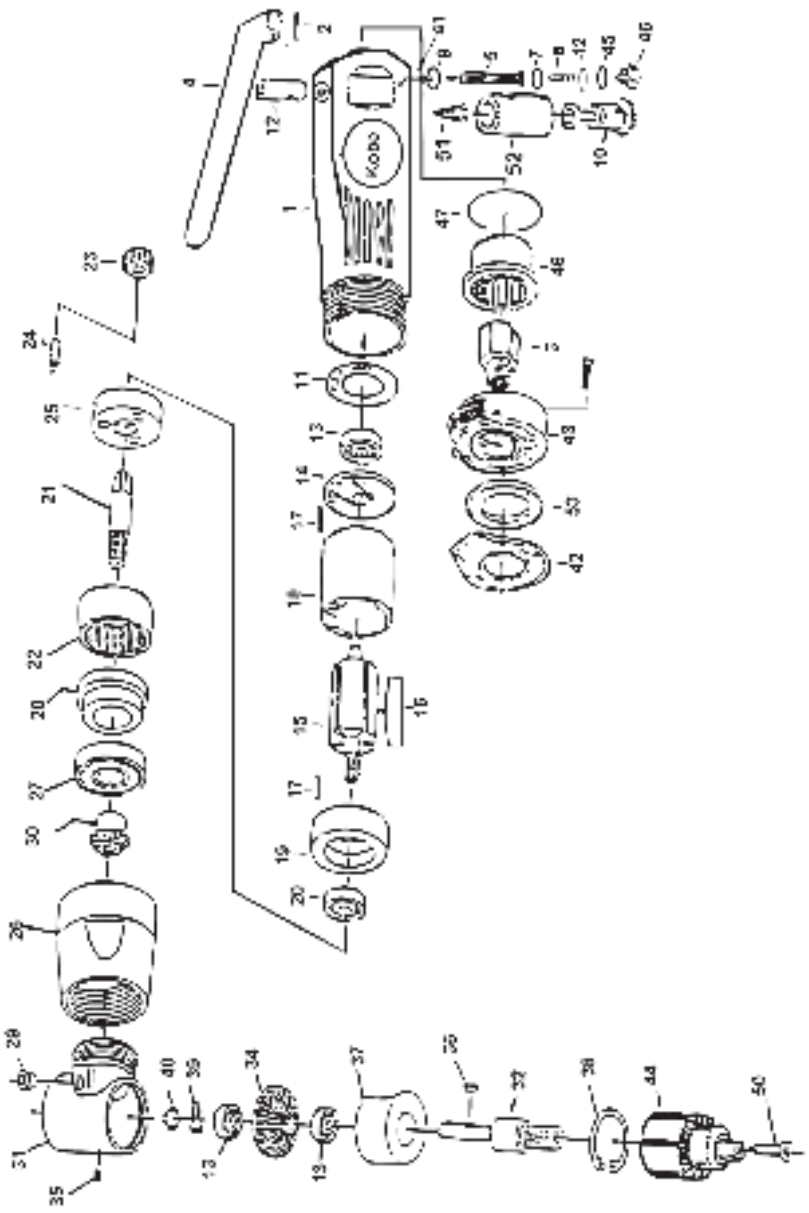


# PARTS BREAKDOWN

| Index No. | Order Code | Description | QTY |
|---|---|---|---|
| 1 | KBE-298-0947S | Motor Housing | 1 |
| 2 | KBE-298-0004S | Pin | 1 |
| 3 | KBE-298-0950S | Air Inlet | 1 |
| 4 | KBE-298-0953S | Throttle Lever | 1 |
| 5 | KBE-298-0956S | Valve Stem | 1 |
| 6 | KBE-298-0959S | Valve | 1 |
| 7 | KBE-298-0962S | O-Ring | 1 |
| 8 | KBE-298-0965S | Spring | 1 |
| 9 | KBE-298-0968S | O-Ring | 1 |
| 10 | KBE-298-0971S | Reverse Dail | 1 |
| 11 | KBE-298-0974S | Motor Gasket | 1 |
| 12 | KBE-298-0977S | Reverse Retainer | 1 |
| 13 | CES-298-0627B | Ball Bearing | 1 |
| 14 | KBE-298-2252S | End Plate | 1 |
| 15 | KBE-298-0980S | Rotor | 1 |
| 16 | KBE-298-0572S | Rotor Blades | 1 |
| 17 | KBE-298-0983S | Pin | 1 |
| 18 | KBE-298-0986S | Cylinder | 1 |
| 19 | KBE-298-0989S | Front End Plate | 1 |
| 20 | CES-298-0609B | Ball Bearing | 1 |
| 21 | KBE-298-0992S | Shaft | 1 |
| 22 | KBE-298-0995S | Internal Gear | 1 |
| 23 | KBE-298-0998S | Planet Gear | 1 |
| 24 | KBE-298-0064S | Pin | 1 |
| 25 | KBE-298-1001S | Cage | 1 |
| 26 | KBE-298-1004S | Lock Ring | 1 |

| Index No. | Order Code | Description | QTY |
|---|---|---|---|
| 27 | CES-298-6003D | Ball Bearing | 1 |
| 28 | KBE-298-1007S | Spacer | 1 |
| 29 | KBE-298-1010S | Oil Cap | 1 |
| 30 | KBE-298-1013S | Pinion | 1 |
| 31 | KBE-298-1016S | Angle Housing | 1 |
| 32 | KBE-298-1019S | Spindle | 1 |
| 34 | KBE-298-1022S | Gear | 1 |
| 35 | KBE-298-1964S | Set Screw | 1 |
| 36 | KBE-298-1025S | Key | 1 |
| 38 | KBE-298-1031S | Retainer Ring | 1 |
| 39 | KBE-298-1034S | Wave Washer | 1 |
| 40 | KBE-298-1037S | Retainer Ring | 1 |
| 41 | KBE-298-1040S | Spring Pin | 1 |
| 42 | KBE-298-1043S | Gasket | 1 |
| 43 | KBE-298-1046S | Rear Cover | 1 |
| 44 | KBE-280-0119A | 10mm Chuck | 1 |
| 45 | KBE-298-0022S | O-Ring | 1 |
| 46 | KBE-298-1049S | Throttle Valve Plug | 1 |
| 47 | KBE-298-1052S | Retainer Ring | 1 |
| 48 | KBE-298-1055S | Exhaust Deflector | 1 |
| 49 | KBE-298-1058S | Screw | 1 |
| 50 | KBE-298-2126S | Chuck Screw | 1 |
| 51 | KBE-298-1061S | Spring | 1 |
| 52 | KBE-298-1064S | Reverse Bushing | 1 |
| 53 | KBE-298-1067S | Muffler | 1 |
| | KBE-280-0122A | Chuck Key (Not shown) | 1 |

# PARTS BREAKDOWN



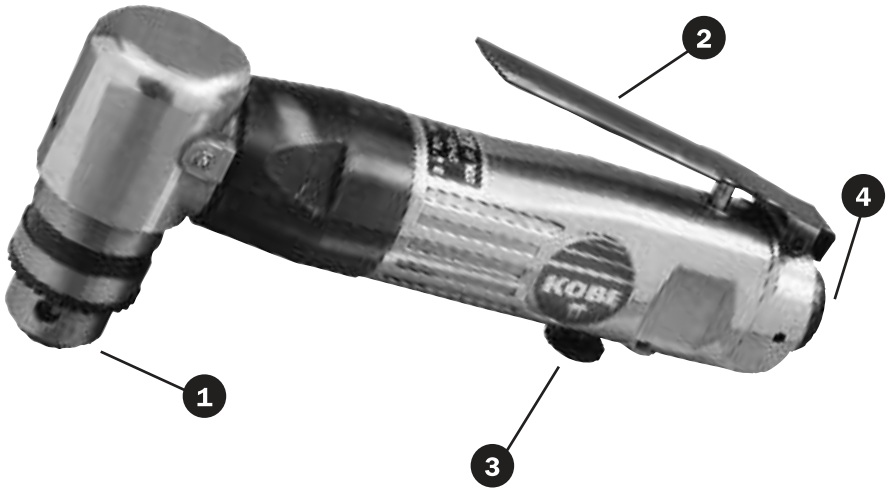


# SPECIFICATIONS

| | |
|---|---|
| ORDER CODE: | KBE-270-1425M |
| MODEL: | DAR1510 |
| FREE SPEED | 1800rpm |
| CHUCK SIZE | 10mm |
| SPINDLE | (3/8")24m |
| AIR INLET THREAD | (1/4")NPT |
| AIR HOSE SIZE (ID) | 10mm |
| AIR PRESSURE | 90PSI |
| AIR CONSUMPTION | 4 CFM* |
| OVERALL LENGTH | 205MM |
| WEIGHT | 1.1KG |

*Based on 15 second cycle per minute average use.

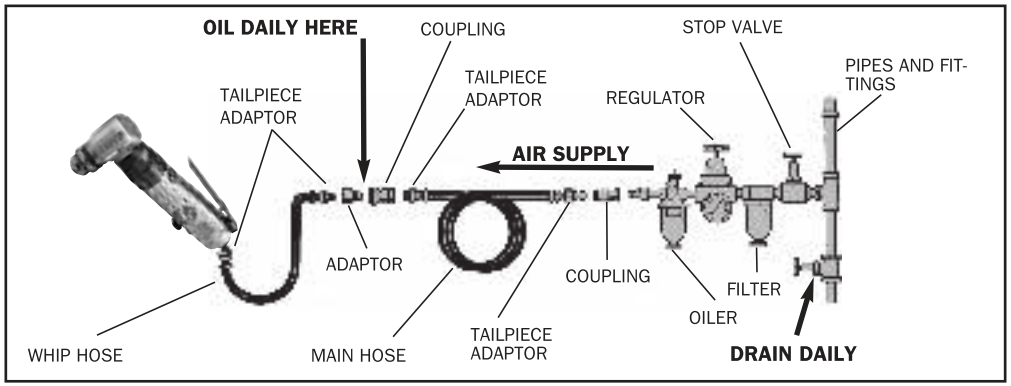
# IDENTIFICATION




1. Nose
2. Lever
3. Dail
4. Air Inlet

# SUGGESTED AIR SUPPLY

**WARNING! BEFORE ATTEMPTING TO ASSEMBLE THIS PRODUCT, MAKE SURE YOU ARE FAMILIAR WITH ALL SAFETY INSTRUCTIONS.**




1. For optimal results you should incorporate a regulator, oiler and an inline filter.
2. If you are not using an automatic lubricating system, before operating the tool, add a few drops of pneumatic tool oil to the air-line connection. Add more after each hour of constant using.
3. Do not exceed maximum air pressure of 90 PSI/ 6.2 bar.

***PLEASE NOTE: Use compressed air only.***

# OPERATION

**WARNING! BEFORE ATTEMPTING TO USE THIS PRODUCT, MAKE SURE YOU ARE FAMILIAR WITH ALL OPERATING AND SAFETY INSTRUCTIONS.**

1. ONLY use accessories recommended by the manufacturer.
2. Always shut off air supply, relieve hoe of air pressure and disconnect tool from air supply when changing accessories.
3. Hold the tool correctly: be ready to counteract sudden movements, particularly at drill bit breakthrough. The drill bit can suddenly bind and cause the workpiece or tool to rotate, causing arm or shoulder injuries.
4. Side handles are commended for straight drills with a chuck capacity larger than 6.5mm (1/4 inch), or if the torque reaction may exceed 4Nm (3 lbf.ft). Side handles are commended for pistol-grip drills with a chuck capacity larger than 10mm (3/8 inch), or if the torque reaction may exceed 10Nm (7.5 lbf.ft).



# MAINTENANCE

- Lubricate the tool daily with a high grade of air tool oil. If no air line oiler is used, run a teaspoon of oil through the tool. The oil can be squirted into the tool air inlet, or into the hose at the nearest connection to the air supply, prior to operating the tool. The rust inhibitive oil is acceptable for air tools.
- Store tool away in a dry, clean and secure place out of reach of children.

# SERVICE & REPAIRS

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



