



## Original Instructions



Read instructions before operating Angle Grinder



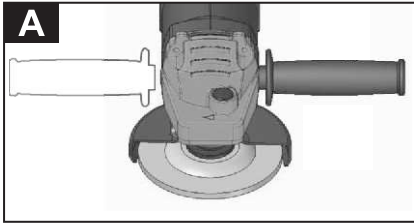
**EIBENSTOCK**  
**P O S I T R O N**

*... the company's most successful product range*

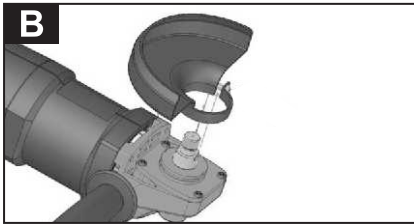


**EBS 125 I**

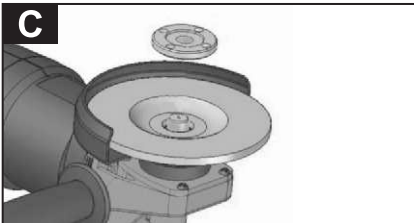
## ACCESSORY FITTING TIPS



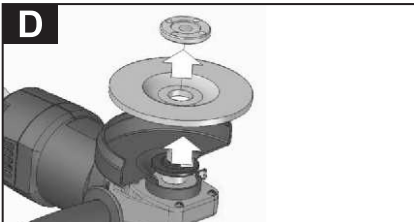
SIDE HANDLE ASSEMBLY



WHEEL GUARD ASSEMBLY

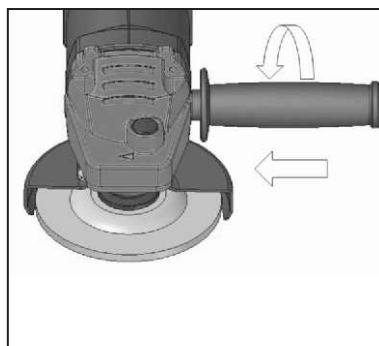
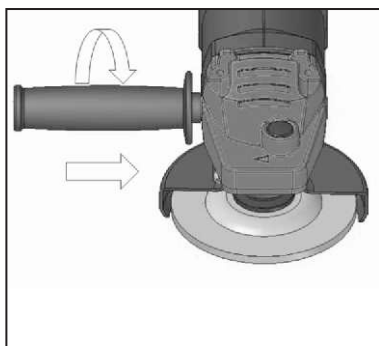
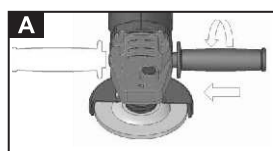


GRINDING WHEEL ASSEMBLY

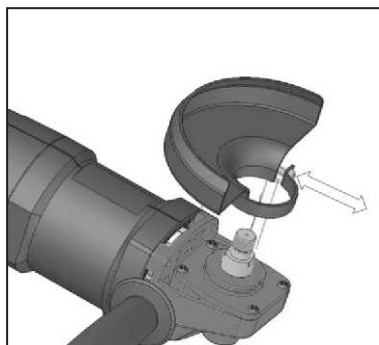
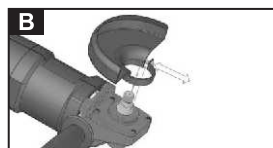


GRINDING WHEEL DISASSEMBLY

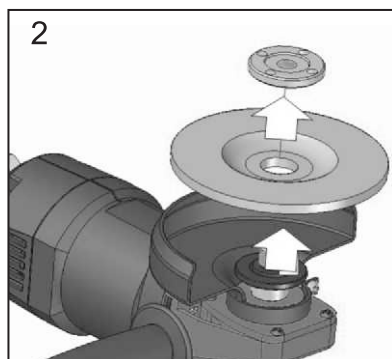
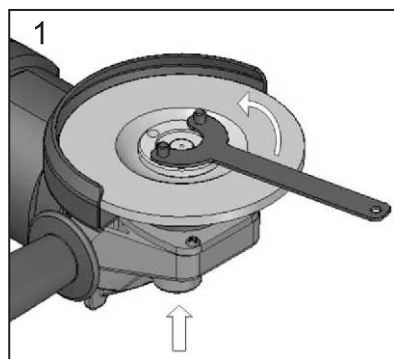
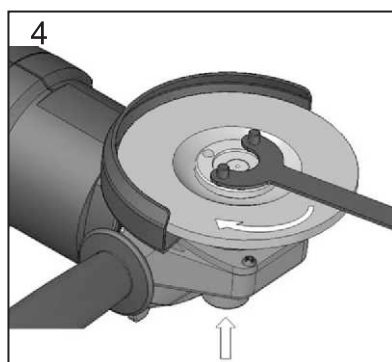
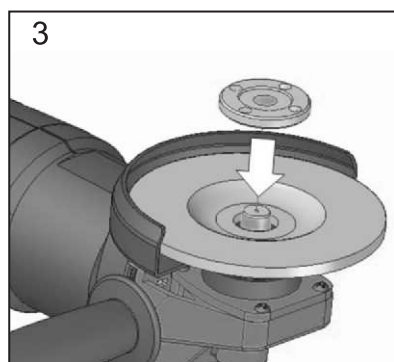
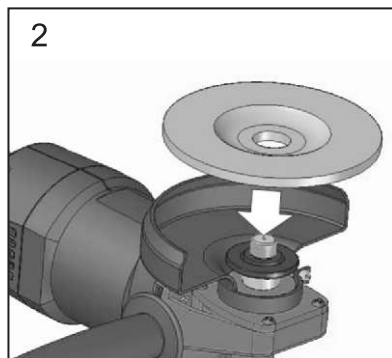
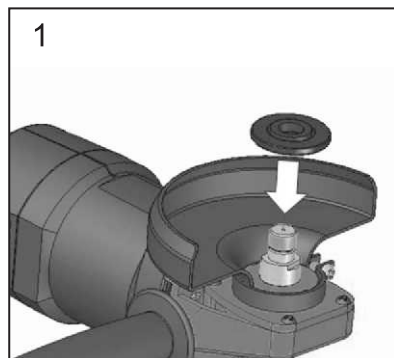
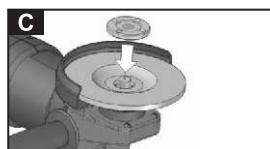
### SIDE HANDLE ASSEMBLY



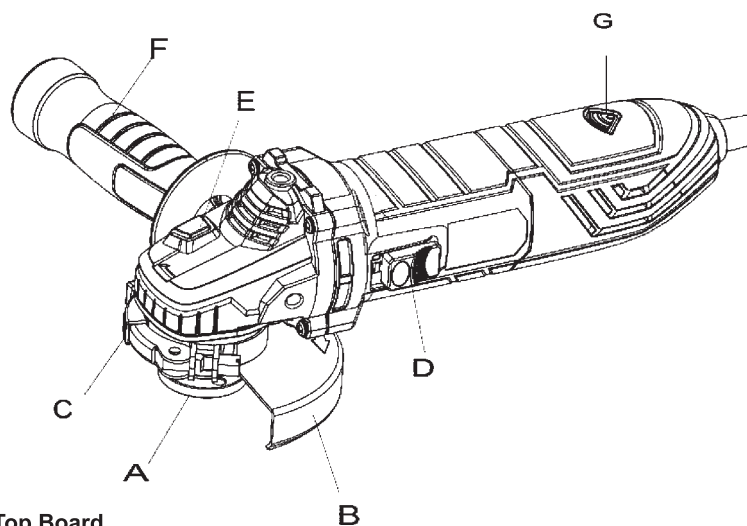
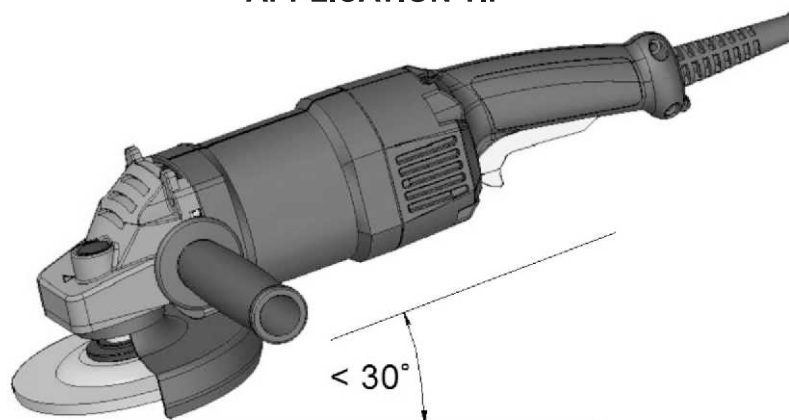
### WHEEL GUARD ASSEMBLY



GRINDING WHEEL ASSEMBLY



## APPLICATION TIP



- A. Top Board
- B. Wheel Guard
- C. Trigger
- D. Switch Push Button
- E. Lock Knob
- F. Handle
- G. Indicator

**TECHNICAL SPECIFICATIONS**

<b>MODEL</b>	<b>EBS 125 I</b>
Rated Voltage (V)	220-240
Power Input (W)	1400
Speed (RPM)	11,000
Grinding Disk Diameter (mm)	125
Thread of Work Spindle	M 14
Over Load Protection	No
Weight (Kg.)	3.1

**THANK YOU FOR BUYING A EIBENSTOCK ANGLE GRINDER**

We have built for you a reliable and lasting Angle Grinder and Polisher. Working effectively and without endangering your health is only possible if this instruction for use is read carefully before first using the tool.

**IMPORTANT SAFETY INSTRUCTIONS**

1. Only plug-in when tool is switched off.
2. Connect only to a single-phase current supply with 220/240V.
3. Prior to use, be sure to check grinding wheel, in a such details as crack, broken part, bent part & the like. Don't use the grinding /polishing wheel if any of the above defect found on the wheel. Also confirm that no abnormality exists by actual test running.
4. Use suitable wheel as per application requirement.
5. Keep the motor interior free of water
6. Always work with concentration. Always work in a carefully considered way and do not use the tool if you are lacking consideration.
7. Regularly inspects grinding / polishing wheels since use of dull grinding / polishing wheel will cause motor malfunctioning and degraded efficiently, replace with a new one without delay when abrasion is noted.
8. Regularly inspects all mounting screws and ensure that they are properly tightened. if any of screws found loose, retighten them immediately. Failure to do so could result in serious hazard.
9. Modifications of the tool strictly prohibited.

## WARNING!

Read all safety warnings and all instructions, including those given in the accompanying broucher. Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury.

### **Safety Warning Common for Grinding, Sanding, Wire Brushing or Abrasive Cutting - Off operations :**

**a) This power tool is intended to function as a grinder, sander, wire brush, or cut-off tool. 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.**

**b) Operations such as a polishing are not recommended to be performed with this power tool. Operations for which the power tools was not designed may create a hazard and cause personal injury.**

**c) Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to you power tool, it does not assure safe operation.**

**d) The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.**

**e) The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.**

**f) The arbour size of wheels, flanges, backing pads or any other accessory must properly fit the spindle of the power tool. Accessories with arbour holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.**

**g) Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspecting for damage or install an undamaged accessory. After inspectign and installing an accfessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum noload speed for one minute. Damaged accessories will normally break apart during this test time.**

**h) Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by you operation. Prolonged exposure to high intensity noise may cause hearing loss.**

**i) Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.**

**j) Hold the power tool by insulated gripping surface only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting live wire may make exposed metal parts of the power tool live and could give the operator an electric shock.**

**k) Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.**

**l) Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface an pull the power tool out of you control.**

**m) Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.**

**n) Regularly clean the power tools air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.**

**o) Do not operate the power tool near flammable materials. Sparks could ignite these materials.**



p) **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

#### **Kickback and related warnings**

Kickback is a sudden reaction to a pinched or snagged rotation wheel. Pinching or snagging causes rapid stalling of the rotating wheel which in turn causes the uncontrolled power tool to be forced in the direction opposite of the wheel's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of saw misuse and / or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a) **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** The operator can control torque reactions or kickback forces, if proper precautions are taken.

b) **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.

c) **Do not position your body in the area where power tool will move if kickback occurs.** Kickback will propel the tool in direction opposite to the wheels movement at the point of snagging.

d) **Use special care when working corners, sharp edges, etc. Avoid bouncing and snagging accessory.** Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

e) **Do not attach a saw chain, woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control.

#### **Safety Warnings Specific for Grinding and Abrasive Cutting Off Operations :**

a) **Use only wheel types that are recommended for your power tool and the specific guard designed for the selected**

**wheel.** Wheels for which the power tool was not designed cannot be adequately guarded and are unsafe.

b) **The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator.** The guard helps to protect the operator from broken wheel fragments and accidental contact with wheel and sparks that ignite clothing.

c) **Wheels must be used only for recommended applications. For example : do not grind with the side of cut-off wheel.** Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.

d) **Always use undamaged wheel flanges that are of correct size and shape for your selected wheel.** Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage. Flanges for cut-off wheels may be different from grinding wheel flanges.

e) **Do not use worn down wheels from larger power tools.** Wheel intended for larger power tool is not suitable for the higher speed of smaller tool and burst.

#### **Additional Safety Warnings Specific for Abrasive Cutting-Off Operations :**

a) **Do not "jam" the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut.** Over stressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.

b) **Do not position your body in line with and behind the rotating wheel.** When the wheel, at the point of operation, is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.

c) **When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur.** Investigate and take corrective action to eliminate the cause of wheel binding.

d) **Do not restart the cutting operation in the workpiece. Let the wheel reach full speed**

and carefully re-enter the cut. The wheel may blind, walk up or kickback if the power tool is restarted in the workpiece.

**e) Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback.** Large work pieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.

**f) Use extra caution when making a "pocket" into existing walls or other blind areas.** The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.

#### **Safety Warnings Specific for Sanding Operations :**

**a) Do not use excessively oversized sanding disc paper. Follow manufacturers recommendations, when selecting sanding paper.** Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.

#### **Safety Warning Specific for Wire Brushing Operations :**

**a) Be aware that wire bristles are thrown by the brush even during ordinary operation. Do not overstress the wires by applying excessive load to the brush.** The wire bristles can easily penetrate light clothing and / or skin.

**b) If the use of a guard is recommended for wire brushing, do not allow any interference of the wire wheel or brush with the guard.** Wire wheel or brush may expand in diameter due to work load and centrifugal forces.

Appliances used at may different locations including open air should be connected via a residual current device (FI, RCD, PRCD) of 30mA or less.

Sawdust and splinters must not be removed while the machine is running.

Only plug-in when machine is switched off.

Never reach into the danger area of the plan when it is running.

Always use the auxiliary handle.

Always use the protecting cap when roughing-down and separating.

Immediately switch off the machine in case of considerable vibrations or if other malfunctions occur. Check the machine in order to find out the case.

Always use and store the grinding disks according to the manufacturer's instructions.

When grinding metal, flying sparks are produced. Take care that no persons are endangered. Because of the danger of fire, no combustible materials should be located in the vicinity (spark flight zone) Do not use dust extraction.

Due care should be taken that no sparks or sanding dust flying from the workpiece come into contact with you.

When separating stone the guide shoe must used!

The adjusting nut must be tightened before starting work with the machine.

The workpiece must be fixed if it is not heavy enough to be safety.

Never lead the workpiece to the grinding disk with your hand.

Under extreme conditions (e.g. smooth-grinding with the arbour and vulcanized fibre grinding wheel) significant contamination can build up on the inside of the angle grinder. For safety reasons, in such conditions the inside should be deaned thoroughly of metal deposits and a residual current device (FI, RCD, PRCD) must be connected in series. If the residual current device responds, the machine must be sent for repair.

For accessories intended to be fitted with threaded hole wheel, ensure that the thread in the wheel is long enough to accept the spindle length.

When cutting - off material, use the closed safety guard from the accessories range.

#### **SPECIFIED CONDITIONS OF USE**

The angle grinder may be used for cutting, grinding, sanding and wire brushing wide range of materials, such as metal or stone. If you have any doubts, please refer to the instructions supplied by the accessory manufacturer.

Do not use this product in any other way as stated for normal use.

#### **MAINS CONNECTION**

Connect only to single-phase AC current and only to the system voltage indicated on the rating plate. It is possible to connect to sockets without an earthing contact as the design conforms to safety class II.

#### WORKING HINTS FOR YOUR ANGLE GRINDER

1. Your angle grinder is useful for both cutting through metals, i.e. for removing screw heads, and also for cleaning /preparing surfaces, i.e. before and after welding operations.
  2. Different types of wheel/cutter will allow the grinder to meet various needs. Typically, grinding wheels and cutting discs are available for mild steel, stainless steel, stone and brick. Diamond impregnated discs are available for very hard materials.
  3. If the grinder is used on soft metals such as aluminum the wheel will soon clog and will have to be changed.
  4. At all times, let the grinder do the work, do not force it or apply excessive pressure to the wheel/disc.
  5. If cutting a slot ensure that the cutter is kept aligned with the slot, twisting the cutter may cause the disc to shatter. If cutting through thin sheet, only allow the cutter to just project through the material, excessive penetration can increase the chance of causing damage.
  6. If cutting stone or brick, it is advisable to use a dust extractor.
- For best tool control, material removal and minimum overloading, maintain an angle between the disc and work surface of approximately 15°-30° when grinding. Use caution when working into corners as contact with the intersecting surface may cause the grinder to jump or twist.

**d) Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory.** Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

**e) Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control

#### ADDITIONAL SAFETY INSTRUCTIONS FOR GRINDING AND CUTTING-OFF OPERATION

Safety Warnings Specific for Grinding and Abrasive Cutting-Off Operations

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**b) The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator.** The guard helps to protect operator from broken wheel fragments and accidental contact with wheel.

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**e) Do not use worn down wheels from larger power tools.** Wheel intended for larger power tool is not suitable for the higher speed of a smaller tool and may burst. Additional Safety Warnings Specific for Abrasive Cutting-Off Operations.

#### ADDITIONAL SAFETY INSTRUCTIONS FOR CUTTING-OFF OPERATION

**a) Do not "jam" the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut.**

Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage

**b) Do not position your body in line with and behind the rotating wheel. When the wheel, at the point of operation, is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.**

**c) When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur. Investigate and take corrective action to eliminate the cause of wheel binding**

**d) Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut. The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece**

**e) Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback.** Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel

**f) Use extra caution when making a "pocket cut" into existing walls or other blind areas.** The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.

## SYMBOLS



Please read the instruction carefully before starting the machine.



Always disconnect the plug from the socket before carrying out any work on the machine.



CAUTION! WARNING! DANGER!



Class II construction, tool in which protection against electric shock does not rely on basic insulation only, but in which additional safety precautions, such as double insulation or reinforced insulation, are provided.



Always wear goggles when using the machine.

## CARE AND MAINTENANCE

Tool service must be performed only by qualified personnel. When servicing a tool, use only original spares parts. Use of unauthorized parts will void the warranty. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

Pull out the plug prior to cleaning. Use dry compressed air to clean the motor (from the external).

In case of electrical or mechanical malfunction, immediately switch off the tool and disconnect the plug. Excessive sparking generally indicates the presence of dirt in the motor or worn out carbon brushes. Periodically check brushes for wear and replace when they reach to wear limit line.

After replacing the carbon brushes do not forget to tighten the brush caps.

### Ordering replacement parts:

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required For our latest prices and information please go to our website <http://www.ep-india.in>

### Disposal and recycling

The unit is supplied in packaging to prevent its being damaged in transit. This packaging is raw material and can therefore be reused or can be returned to the raw material system. The unit and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

### NOTE

- As our engineering is striving for the constant research and development to improve the quality, shape or specification of our product can be changed without prior notice.
- Grinding wheel are not a part of standard accessory.