



INSTRUCTIONS FOR 600W 115mm Angle Grinders

Stock No.68419 Part No.PT6115

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



GENERAL INFORMATION

Read all these instructions before operating this product and save these instructions.

This manual has been compiled by Draper Tools and is an integrated part of the product with which it is enclosed and should be kept with it for future references.

This manual describes the purpose for which the product has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation or, before performing any kind of adjustment to the product and prior to any maintenance tasks. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.



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GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.

Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

A proof of purchase must be provided with the tool.

If upon inspection it is found that a fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. The guarantee period covering parts/labour is 12 months from the date of purchase. The guarantee is extended to 24 months for parts only. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agents.

Note: If the tool is found not to be within the Terms of Warranty, repair and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

Note: This tool is intended for domestic use only.



SPECIFICATION

Stock No	68419
Part No	PT6115
Output.....	600W
Input.....	230V~50Hz
Disc Diam.	115mm
Bore ø	22.2mm
Spindle Thread	M14
Revolutions Per Minute (no load)	11,000
Sound Pressure Level	89.3dB(A)
Sound Power Level	102.3dB(A)
Vibration Level	2.5m/s ²
Weight	1.8kg



POWER SUPPLY

CAUTION: Risk of electric shock. Do not open.

This appliance is supplied with a moulded 3 pin mains plug for your safety. The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, ensure the substitute is of the correct rating, approved to BS1362 and ASTA or BS Kite marked.

ASTA 

BSI 


The fuse cover is removable with a small plain slot screwdriver. Ensure the fuse cover is replaced before attempting to connect the plug to an electrical outlet. If the cover is missing, a replacement must be obtained or the plug replaced with a suitable type.

If a replacement plug is to be fitted this must be carried out by a qualified electrician.

The damaged or incomplete plug, when cut from the cable shall be disabled to prevent connection to a live electrical outlet.

This appliance is Class II[†] and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instruction supplied with the extension lead.

[†]Double insulated  : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

IMPORTANT:

On products exceeding 2000W it is recommended that the power cable and/or extension cable are fully unwound before a connection is made to the power supply. However, ensure the residual cable does not pose a trip hazard

General Power Tool Safety Warnings

⚠ WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools

with your finger on the switch or energising power tools that have the switch on invites accidents.

- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.



ADDITIONAL SAFETY INSTRUCTIONS

Safety Warnings Common for Grinding, Sanding, Wire Brushing or Abrasive Cutting-off operations:

- **This power tool is intended to function as a grinder, sander, wire brush, polisher or cut-off tool. Read all safety warnings, instructions, illustrations and specifications with this power tool.** Failure to follow all instructions listed below may result in electric shock, fire and or serious injury.
- **Operations such as polishing are not recommended to be performed with this power tool.** Operations for which the power tool was not designed may create a hazard and cause personal injury.
- **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** Just because the accessory can be attached to your power tool, it does not assure safe operation.
- **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.
- **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.
- **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.
- **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 excessive wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** Damaged accessories will normally break apart during this test time.
- **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop 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 filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- **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.
- **Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a "live" wire

may make exposed metal parts of the power tool "live" and shock the operator.

- **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.
- **Never lay the power tool down until the accessory has come to a complete stop.** The spinning accessory could snag your clothing, pulling the accessory into your body.
- **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.
- **Regularly clean the power tool's air vents.** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- **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 rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory'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 a result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- **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.
- **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.
- **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 wheel's movement at the point of snagging.
- **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.
- **Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control.



ADDITIONAL SAFETY INSTRUCTIONS

Safety Warnings Specific for Grinding and Abrasive Cutting-Off Operations:

- 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.
- 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.
- 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.
- 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.
- Do not use worn down wheels from larger power tools. A 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:

- 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.
- 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.
- When the 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.
- 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.
- Support panels or any oversized workpiece to minimise 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.

- 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.

Safety Warnings Specific for Sanding Operations:

- 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 Warnings Specific for Wire Brushing Operations:

- 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.
- 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.

Safety Recommendations for the Correct Use of Abrasive Products:

- General.** Bonded abrasive products are breakable and shall therefore be handled with utmost care. The use of damaged or improperly mounted or used abrasive products is dangerous and can cause serious injuries.
- Delivery, handling and storage.** Abrasive products shall be handled and transported with care. Abrasive products shall be stored in such a manner that they are not subjected to mechanical damaged and harmful environmental influences.
- Selection of the abrasive product.** Information on the label or the abrasive product as well as restrictions of use, safety indications or any other instructions shall be followed. In case of doubt concerning the selection of abrasive products, the user shall request information from the manufacturer or supplier.
- Visual inspection and ring test.** Abrasive products shall be subjected to a visual inspection as received before mounting. In addition, a ring test shall be executed for vitrified wheels with $D > 80\text{mm}$. Damaged abrasive products shall be destroyed.
- Mounting before starting and information for grinding.** The mounting of abrasive products shall be carried out according to the instructions provided by both the wheel and the machine manufacturer. Mounting of abrasive products shall be carried out by a qualified trained person. Each time after mounting, the wheel shall be test run for a reasonable time - the specified maximum operating speed of the wheel shall not be exceeded.

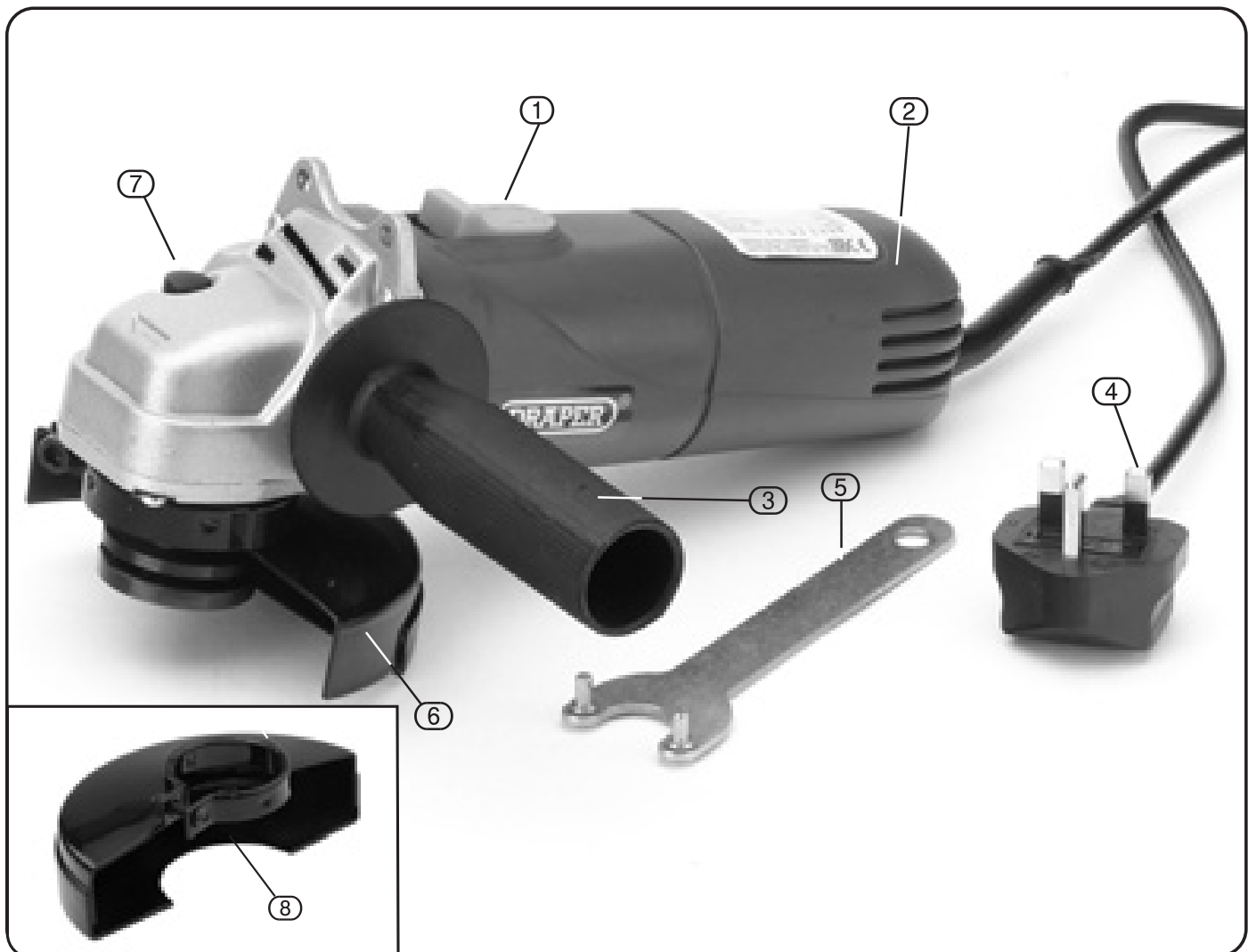


ADDITIONAL SAFETY INSTRUCTIONS

- f. **Further information.** The following instructions shall be observed, supplementary to the information contained in the instruction for use of the grinding machine:
- Observance of the user's information from the grinding machine manufacturer.
 - Safety devices shall be mounting to the machine and shall be secured.
 - No grinding operations without protection by safety devices.
 - Use of personal protective equipment according to the type of machine and type of application, e.g. eye and face protection, ear protection, respiratory protective devices, protective footwear, protective gloves and other protective clothing.
 - Only grinding operations for which the abrasive product is suitable shall be carried out (taking into account restrictions of use, safety indications or other information).
 - Jamming of the hand-held grinding machine shall be prevented. In the case of cutting-off with hand-held grinding machines, the abrasive product shall be placed in the cutting gap in a straight position.
 - Before placing the hand-held grinding machine on the workbench or on the floor it shall be turned off and it shall be ensured that the abrasive product has stopped.
- d. **Visual inspection and ring test.** Superabrasives shall be subjected to a visual inspection as received before mounting. In a addition, a ring test shall be executed for superabrasives with vitrified core and abrasive section and $D > 80\text{mm}$. Damaged superabrasives shall not be used.
- e. **Mounting, before starting and information for grinding.** The mounting of superabrasive shall be carried out according to the instructions provided by both, the superabrasive and the machine manufacturer. Special attention shall be drawn to the fact that mounting of superabrasives is to be carried out by a qualified trained person. Each time after mounting, the superabrasive shall be test run for a reasonable time - the specified maximum operating speed of the superabrasive shall not be exceeded.
- f. **Further information.** The following instructions shall be observed, supplementary to the information of the grinding machine:
- Observance of the user's information of grinding machine manufacturer.
 - Before starting, safety devices shall be mounted to the machine.
 - No grinding operations without protection by safety devices.
 - Use of personal protective equipment according to the type of machine and type of application, e.g. eye and face protection, ear protection, respiratory protection devices, protective footwear, protective gloves and other protective clothing.
 - Only grinding operations for which the superabrasive is suitable shall be carried out (taking into account restrictions of use, safety indications or other information).
 - In the case of cutting-off with hand-held grinding machines, the superabrasive shall be placed in the cutting gap in a straight position. Jamming of the hand-held grinding machine shall be prevented.
 - Before placing the hand-held grinding machine on the workbench or on the floor it shall be turned off and it shall be ensured that the abrasive product has then stopped.

Safety Recommendations for the Correct Use of Superabrasives:

- a. **General.** Superabrasives are breakable and shall therefore be handled with utmost care! The use of damaged or improperly mounted or used superabrasives is dangerous and can cause serious injuries.
- b. **Delivery, handling and storage.** Superabrasives shall be handled and transported with care. Superabrasives shall be stored in such a manner that they are not subjected to mechanical damages and harmful environmental influences.
- c. **Selection of superabrasives.** Information on the label or the superabrasive as well as restrictions of use, safety indications or any other instruction shall be followed. In case of doubt concerning the selection of superabrasives, the user shall request information from the manufacturer or supplier.



- | | |
|----------------------------|---|
| ① On/Off Locking Switch. | ⑤ Pin Spanner. |
| ② Rear Hand Grip. | ⑥ Guard. |
| ③ Auxiliary Handle. | ⑦ Spindle Lock Button. |
| ④ BS Moulded Plug & Cable. | ⑧ Guard for cutting applications*.
(Sold seperately) |

- **UNPACKING:** After removing the packing material, make sure the product is in perfect condition and that there are no visible damaged parts. If in doubt, do not use the product and contact the dealer from whom it was purchased.

The packaging materials (plastic bags, polystyrene, etc.), 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.

* Stock Number 34223 refers

- NOTE:

Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

- AUXILIARY HANDLE: (FIG.1)

For reasons of safety, when working with this type of electric power tool, the operator must always use the auxiliary handle.

Screw the handle clockwise, into one of the two threaded apertures best suited to the application and user comfort.

FIG.1



- WARNING:

This machine must never be operated (cutting off/grinding processes) without the guard in place correctly and operating fully.

ADJUSTING/REMOVING THE GUARD: (FIG.2 & 3)

Loosen bolt (A) using a 5mm hex. key (not supplied).

Rotate the guard to position it between the cutting off/grinding wheel and the user. Tighten bolt (A) to lock the guard in position. Finally check the guard does not slip round.

WARNING: Never attempt to operate (cutting off/grinding processes) this machine without the guard securely fitted and correctly positioned*.

*With the exception of wire cup brushes etc. which negate the guards effectiveness.

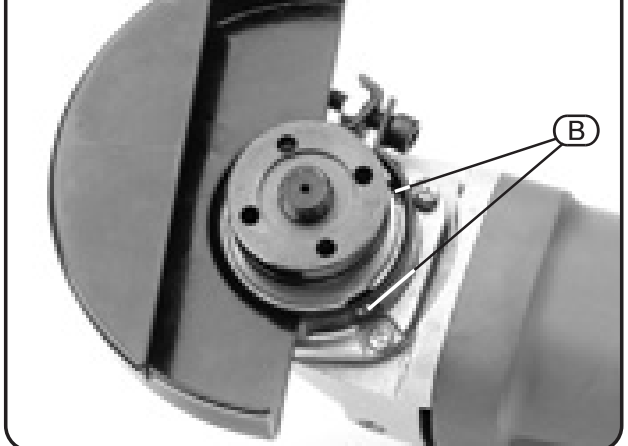
To remove the guard, loosen bolt (A), rotate the guard clockwise. Ensure that pins (B) locate into the channels on the collar and lift off the guard.

Ensure the handle is tight and the guard adjusted to suit the new set-up.

FIG.2



FIG.3

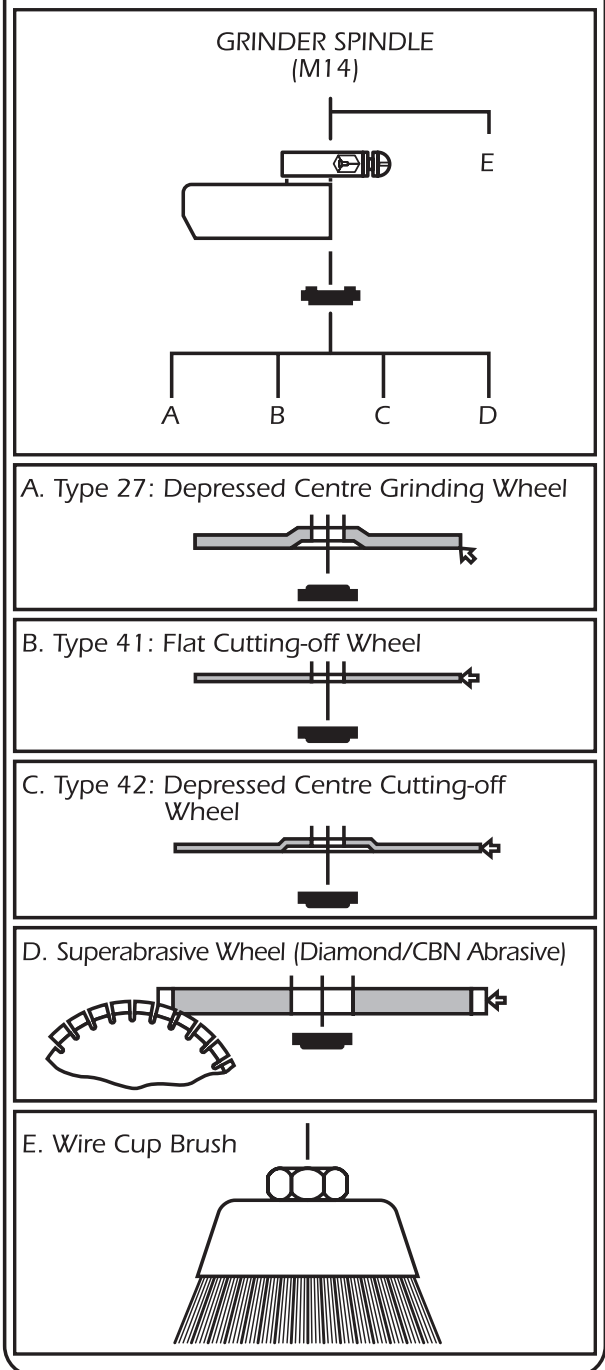


- **FITTING/REPLACING ACCESSORIES: (FIG.4) (NOT SUPPLIED)**
- **NOTE:** Remove the plug from the socket before carrying out adjustment, servicing or maintenance.
- **WARNING:**
Prior to mounting an abrasive wheel ensure the expiry date has not exceeded rendering it potentially hazardous.
- **WARNING:**
Selection of the correct accessory, suitable for the intended application is vital. Seek guidance if uncertain of selection.
- **WARNING:**
The ratio (no load) revolutions per minute of the tool must not exceed the speed capacity of the accessory. Please refer to the accessory manufacturers instructions for information.
- **VISUAL INSPECTION:**
Prior to fitting, abrasive/superabrasive wheels shall be subject to a visual inspection.
- **INSPECTION:**
Each time after mounting, the abrasive/superabrasive wheel shall be test run for a reasonable time.
The specified maximum operating speed of the wheel shall not be exceeded.
Damage abrasives shall be destroyed.
Always wear approved safety goggles.



- **B, C, D (FIG.4):**
For cutting applications, and to comply to current legislation, it is necessary to replace the "grinding" guard fitted to this machine with a "cutting" guard. Cutting guards are available from Draper tools. Quote stock number 34223.

FIG.4



- Press and hold the spindle lock button (C). Loosen the locking flange (D) anti-clockwise using the pin spanner supplied. The spindle (E) may rotate slightly before the spindle lock fully engages. Remove the locking flange only. Clean the flanges and spindle prior to fitting any accessory. If the rear flange (F) is removed for cleaning, ensure it locates correctly on the spindle flats when refitting and does not spin freely. When fitting the appropriate accessory please refer to (Fig.4) for specific details on the locking flange correct orientation as applicable.

Securely tighten the locking flange clockwise using the pin spanner while holding down the spindle lock (C).

- **NOTE:**

When using wire cup brushes the locking flange is not required due to the design of the brushes. When fitted check the accessory is correct and, importantly fully secure on the spindle.

- **WARNING:**

Never press the spindle lock button (C) while the spindle is in motion.

- **ON/OFF SWITCH: (FIG.6)**

Push switch (G) forward to start the grinder. To stop the grinder, release switch (G). For prolonged use, push switch (G) completely forward until it locks in the 'ON' position. Push the back half of switch (G) down to release the lock.

To prevent accidental starting, ensure the switch lock is disengaged prior to connection to the power supply.

- **WARNING:**

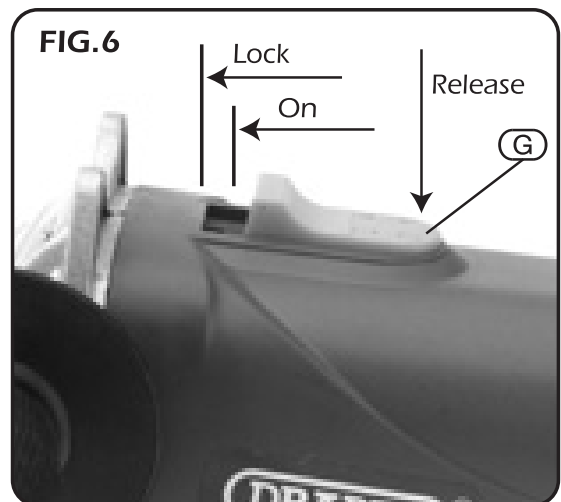
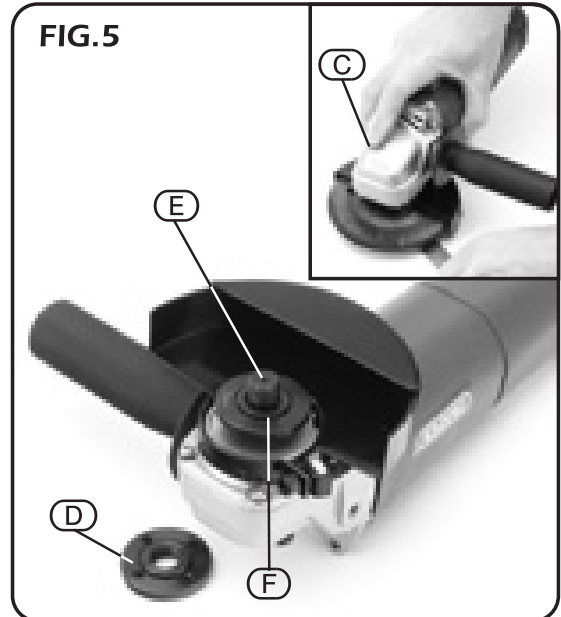
Do not set the machine down until the spindle has completely stopped.

- **NOTE:**

During use, keep clothing out of the line of any sparks formed. Sparks from metal grinding can set fire to many types of clothing after a short delay. The risk is less if your outer clothing is made of wool, or flame retardant treated cotton.

- **DUST:**

A correctly fitted dust mask, suitable for the activity and in accordance to the relevant standard, must be worn.



- **GRINDING: (FIG.7)**

When performing grinding operations maintain an angle of approximately 30° between the work surface and the disc face.

Only use abrasives specifically designed for this task.

FIG.7



- **CUTTING: (FIG.8)**



Cutting operations should only be attempted with the “cutting” guard fitted to this grinder.

This guard must be fitted for your safety.

When performing cutting-off operations do not incline the machine as this can lead to the abrasive wheel becoming jammed, damaged or excessively and abnormally worn.

Only use abrasives specifically designed for this task.

FIG.8



- **WARNING:**

As the cutting-off/grinding wheel wears during use, its diameter reduces. This reduces the peripheral speed and the cutting efficiency. This results in increased load on the grinding machine which if continued will damage the motor. Ensure that the diameter of the wheel is within 25% of its original size.

- **IMPORTANT:**

Excessive pressure on the machine does not result in a higher abrasive efficiency. Excessive pressure increases wear and tear on the accessory and will damage the grinder which is not covered under the guarantee.



OPTIONAL ACCESSORIES

Stock No.	Part No.	Description
34223	YPT6115-CUT	Cutting guard for 64219/PT6115



MAINTENANCE & PARTS REPLACEMENT

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your tool in good working condition. The tool bearings and gears are life-long lubricated. The motor must be correctly ventilated during tool operation. For this reason avoid blocking the air inlets with hands. After use disconnect the tool from the power supply and clean carefully, vacuum ventilation slots.

If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.



DISPOSAL OF POWER TOOLS

- At the end of the machine's working life, or when it can no longer be prepared, ensure that it is disposed of according to UK regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not abandon in the environment.





TROUBLE SHOOTING

WARNING: FOR YOUR OWN SAFETY ALWAYS TURN THE MAIN SWITCH ON THE MACHINE "OFF" AND REMOVE THE PLUG FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY MAINTENANCE OR TROUBLE SHOOTING.

PROBLEMS	POSSIBLE CAUSES	REMEDY
Motor does not start.	<ol style="list-style-type: none">1. Fuse.2. Brushes worn.3. Other.	<ol style="list-style-type: none">1. 13 amp time delay fuse or circuit breaker.2. Have brushes replaced.3. Authorized service agent.
Machine vibrates.	<ol style="list-style-type: none">1. Wheel damaged or out of balance.2. Wheel loose.	<ol style="list-style-type: none">1. Replace wheel.2. Stop machine immediately, when stopped refit accessory.
Wheel will not cut/grind.	<ol style="list-style-type: none">1. Incorrect wheel fitted.	<ol style="list-style-type: none">1. Fit correct disc for material/application.



EXPLANATION OF SYMBOLS/PICTOGRAMS



Class II construction
(Double insulated).



Read the instructions.



Wear safety glasses.



Do not dispose of WEEE*
as unsorted municipal waste.



* Waste Electrical & Electronic Equipment.



NOTES



NOTES



NOTES



NOTES



CONTACTS

- **DRAPER TOOLS LIMITED,**
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Chandler's Ford,
Eastleigh,
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