User Manual

1.5HP 8” Professional Bench Grinder

811513 – ATBG1100/8

Protect yourself and others by observing all safety information, warnings and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property.

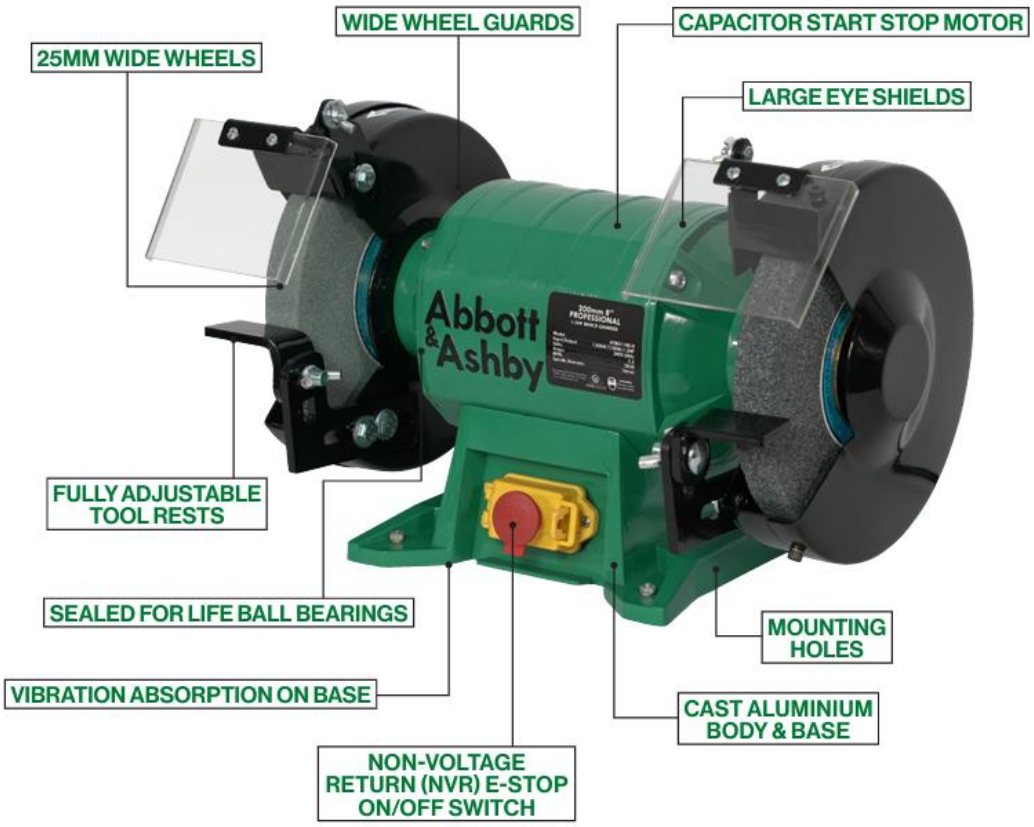
Please retain instructions for future reference!

1. Introduction

Dear Customer,

Thank you for purchasing this Abbott & Ashby product, which has passed through our extensive quality assurance process. Every care has been taken to ensure that it reaches you in perfect condition.

2. Key Features



TRUE 1.5HP MOTOR

Delivers 41% more torque for effortless material removal and superior performance.

RUNS COOLER

Improved sealed cooling system keeps operating temperatures up to 9% cooler than competitors, reducing wear and tear.

ENHANCED DURABILITY

High-tensile cast aluminum base and body provide superior strength while maintaining a lighter weight.

NVR & E-STOP SWITCH

Ensures safety by cutting power entirely during outages and preventing accidental restarts.

MORE POWER FOR BIG JOBS, LESS WEAR FOR EVERYDAY USE

Ideal for professional and industrial applications.

3. Contents

1. Introduction 2
2. Key Features 3
3. Contents 4
4. Technical Specifications 5
5. ISO 7010 Symbols used in this manual 5
6. Warnings 6
7. Standards and Approvals 8
8. Cautions 9
9. Product Pieces 10
10. Operating Instructions 11
11. Warranties – Terms and Conditions 12

4. Technical Specifications

Abbott & Ashby ATBG1100/8	
Part No	ATBG1100/8
Item Code	811513
Input/Output	1300W/1100W - 1.5HP
Amps	5.3
Volts	240V - 50Hz
RPM	2850
Wheel Size	200mm / 8”
Spindle Diameter	16mm
Length	255mm
Width	435mm
Height	280mm
Weight	21kg
Barcode	9312198865912

5. ISO 7010 Symbols used in this manual

	Warning - Electrical safety
	Warning – Potential consequences of use outside of intended application(s). Includes environmental condition warnings.
	Mandatory warning
	Warning to disconnect power
	Read carefully

6. Warnings

	Read the manual carefully before starting and retain for future reference. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains-operated (corded) power tool.
	Prior to starting installation or maintenance the product must be disconnected from the power supply.
	Always wear eye protection.
	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.
	WORK AREA a. Keep work area clean and well lit. Cluttered and 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 d. For maximum safety, always secure the machine to a stable, level workbench before use. Proper mounting ensures optimal control of the workpiece and helps minimise movement and noise during operation.
	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 safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. c. Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in 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.
	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 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 tools 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.

	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.

	This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
	Do not use bench grinders in areas where there is a risk of explosion or fire from combustible materials, flammable liquids, paint, varnish, petrol etc. flammable gases and dust of an explosive nature. As a precaution it is recommended that you consult an expert on a suitable fire extinguisher and its use. The metal particles (sparks) which are produced during grinding are hot and could ignite any combustible material in the vicinity of the operation.

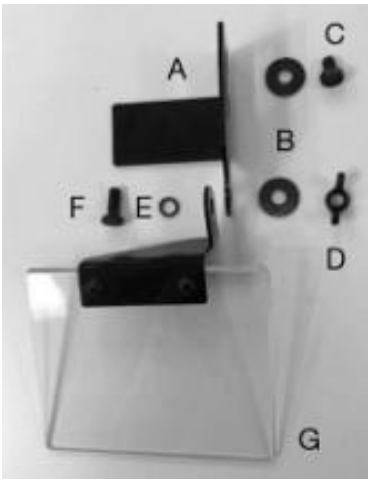
7. Standards and Approvals

	CTick – ACN002 123 337
Patent Pending	2020902087

8. Cautions

- Ensure that power tools are disconnected from the mains supply when not in use, before servicing, lubricating or making adjustments and when changing accessories such as grinding wheels.
- Always use the correct type of grinding wheel for the type of operation to be carried out and the material being machined. Do not use a grinding wheel as a cutting disc.
- Only use grinding wheels that are in good condition. This will improve grinding and reduce the load on the machine ensuring a longer life of the grinding wheel and the machine.
- Never use damaged grinding wheels. Grinding wheels that are cracked, chipped or worn could shatter causing injury to the operator and bystanders and damage to the machine.
- Do not use grinding wheels that are larger than specified, only use grinding wheels that are rated for the machine. The rotational speed shown on the grinding wheel should always be HIGHER than the rotational speed of the machine.
- Always fit the blotter or paper washers on either side of the grinding wheel if not already fitted to the grinding wheel.
- When fitting a new wheel ensure blotters are in place, fit concave side of ashers to face the wheel and tighten the lock nut firmly.
- Do not over tighten (over tightening can crack a grinding wheel).
- Do not attempt to modify the machine or its accessories in any way.
- Do not use excessive force on the grinding wheel. Only use gradual pressure as this will reduce the wear on the bench grinder and grinding wheels and increase its efficiency and operating life.
- Use approved safety glasses or goggles, face mask and if being used for an extended period wear ear defenders.
- Do not start the machine with the work piece in contact with the grinding wheel or before checking the position of the tool rest.
- Never apply the work piece to the side of the grinding wheel, this could cause the grinding wheel to shatter.
- Keep guards in place and in good working order. With the machine disconnected from the mains supply check that the guards are secure and fitted correctly.
- Always keep the tool rest as close to the grinding wheel as possible. The gap between the tool rest and the grinding wheel should be no more than 2mm.
- Do not attempt to grind objects that are too small to hold safely.
- Do not use the work piece to slow down the grinding wheel once the machine has been switched off.

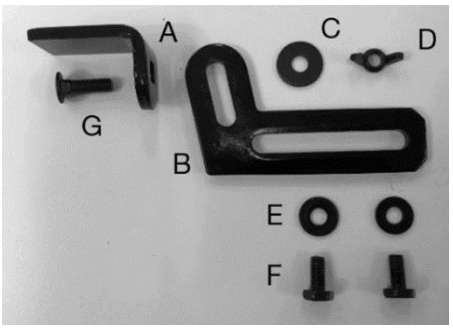
9. Product Pieces



EYESHIELD

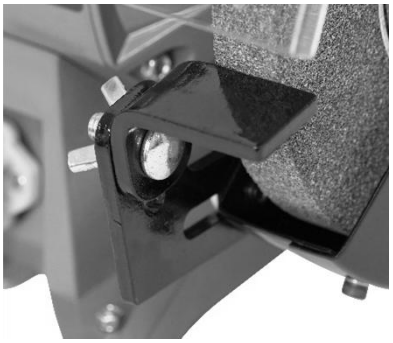
(A) Bracket
(B) 2 x Washers
(C) Short fastener
(D) Wing nut
(E) Spring washer
(F) Long fastener
(G) Eye Shield

Position the eye shield so it does not come into contact with the grinding wheel. Using the wing nut (D) and 1 x washer (B), secure the eyeshield to the bench grinder allowing no more than a 2mm gap between the grinding wheel and bracket (A).



TOOL REST

(A) Tool rest
(B) Bracket
(C) 3 x Washers
(D) Wing nut
(E) 2 x Short fasteners
(F) Long fastener



Attach the tool rest (A) to the bracket (B) using the long fastener (G) and the large washer (C) and wing nut (D). Then, attach this to the bench grinder using the 2 x small washers (E) and 2 x short fasteners (F), allowing no more than a 2mm gap between the grinding wheel and tool rest (A).

10. Operating Instructions

CAUTION Always ensure that the bench grinder is switched off and plug is removed from the power point before making any adjustments.

BENCH MOUNTING

The machine should always be securely fastened to a workbench or pedestal stand before use. Proper mounting improves stability, enhances control of the workpiece, and helps reduce movement, noise, and vibration during operation. To mount, locate the mounting holes in the base. The length of the bolts or screws will depend on the thickness of the work surface. Where a steel bench is used, it is best to mount the machine onto a board first, then attach the board to the bench. This will further assist in reducing vibration. The machine is designed for fixed-position use in a workshop environment and must not be exposed to the elements.

SWITCHING ON AND OFF

Before connecting to the power supply, rotate the wheel by hand to ensure that it is running free from obstruction. Connect to the mains supply and press in the clasp on the underside of the switch cover to release. Press the ON button (I) to start the machine.

This machine features an No Volt Release (NVR) Emergency stop (E-Stop) switch. To stop the machine, simply close the switch cover, or press the OFF button (O). The NVR switch ensures that the machine will not start again until the ON button is pressed.

REPLACING GRINDING WHEEL

Remove guard by loosening 3 x 6 x 10mm cap screws. Remove 16mm nut and replace wheel. Choose the correct grit to suit your application. Hand spin the wheel to ensure it spins freely and true. Reinstall guards.

GENERAL INSPECTION

Regularly check that all the fixing screws are tight. They may vibrate loose over time.

11. Warranties – Terms and Conditions

Abbott & Ashby 1.5HP 8" Professional Grinder ATBG1100/8 has a 3 Year Limited Product Warranty on motor, electrical switch, device body and guards but not including motor start / run capacitor and provided grinding wheels and abrasives.

This warranty is given in addition to the consumer guarantees found within the Australian Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 NZ for goods purchased in New Zealand:

This warranty will not apply:

i. Where this product has been subjected to misuse, abuse, accident or want of care;
ii. Where this product has been used for a purpose for which it was not designed or is not suited;
iii. Where the service of this product has been undertaken by a non-authorised person or company or if non-approved parts have been used;
iv. Where this product has been used for industrial purposes.

WARRANTY EXCLUSIONS

Wear parts or service-related parts required when performing normal and regular maintenance of this product are not covered by warranty unless it is found to be defective by an Authorised Service Centre. These include, but are not limited to: Wheels, Belts and Disc, Contact Wheel, Motor Start / Run Capacitor.

1) White International Pty Ltd / White International NZ Ltd (White International) warrant that all products distributed are free from defects in workmanship and materials, for their provided warranty period as indicated on the top or opposite side of this document. Subject to the conditions of the warranty, White International will repair any defective products free of charge at the premises of our authorised service agents throughout Australia and New Zealand if a defect in the product appears during the warranty period. If you believe that you have purchased a defective product and wish to make a claim under this warranty, contact us on our Sales Hotline on 1300 783 601, or send your claim to our postal address or fax line below and we will advise you as to how next to proceed. You will be required to supply a copy of your proof of purchase to make a claim under this warranty.

2) This warranty excludes transportation costs to and from White International or its appointed service agents and excludes defects due to non-compliance with installation instructions, neglect or misuse, inadequate protection against the elements, low voltage or use or operation for purposes other than those for which they were designed. For further information regarding the suitability of your intended application contact us on our Sales Hotline on 1300 783 601. If you make an invalid claim under this warranty, the original product will be sent back to you unrepaired.

3) This warranty refers only to products sold after the 1st January 2012, and is not transferable to another product type and only applies to the original owner, purchaser or end user, and is in addition to the consumer guarantees found within the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.

4) Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

5) To the fullest extent permitted by law, White International excludes its liability for all other conditions or warranties which would or might otherwise be implied at law. To the fullest extent permitted by law, White International's liability under this warranty and any other conditions, guarantees or warranties at law that cannot be excluded, including those in the Competition and Consumer Act 2010 (Cth), is expressly limited to: (a) in the case of products, the replacement of the product or the supply of equivalent product, the payment of the cost of replacing the product or of acquiring an equivalent product or the repair of the product or payment of the cost of having the product repaired, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand; and

6) To the fullest extent permitted by law, this warranty supersedes all other warranties attached to the product or its packaging.

7) In the case of services, supplying the services again or the payment of the cost of having the services supplied again, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.

8) Our warranty commences from the date of purchase of the above-mentioned tool. Proof of purchase is required before consideration under warranty is given.

Record your date of purchase in the space below and retain this copy for your records.

Date of Purchase .....**Model Purchased** .....

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